



Open Source Used In AppDynamics_ReactNative_Agent 23.7.0

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1.334 ast-types 0.14.2

1.334.1 Available under license

1.335 babel-plugin-syntax-top-level-await 7.14.5

1.335.1 Available under license

1.336 errorhandler 1.5.1

1.336.1 Available under license

1.337 acorn-jsx 5.3.2

1.337.1 Available under license

1.338 @babel/plugin-syntax-class-static-block 7.14.5

1.338.1 Available under license

1.339 execa 5.1.1

1.339.1 Available under license

1.340 memoize-one 5.2.1

1.340.1 Available under license

1.341 @babel/plugin-syntax-private-property-in-object 7.14.5

1.341.1 Available under license

1.342 type-fest 0.20.2

1.342.1 Available under license

1.343 prettier-linter-helpers 1.0.0

1.343.1 Available under license

1.344 eslint-visitor-keys 2.1.0

1.344.1 Available under license

1.345 arg 4.1.3

1.345.1 Available under license

1.346 json-stream 1.3.5

1.346.1 Available under license

1.347 istanbuljs-load-nyc-config 1.1.0

1.347.1 Available under license

1.348 istanbuljs-schema 0.1.3

1.348.1 Available under license

1.349 open 6.4.0

1.349.1 Available under license

1.350 serialize-error 2.1.0

1.350.1 Available under license

1.351 buffer-from 1.1.2

1.351.1 Available under license

1.352 binutils 3.21.0

1.352.1 Available under license

1.353 @types/normalize-package-data 2.4.1

1.353.1 Available under license

1.354 types-babel-template 7.4.1

1.354.1 Available under license

1.355 connect 3.7.0

1.355.1 Available under license

1.356 smart-buffer 4.2.0

1.356.1 Available under license

1.357 normalize-package-data 3.0.3

1.357.1 Available under license

1.358 hapi-topo 5.1.0

1.358.1 Available under license

1.359 deep-is 0.1.4

1.359.1 Available under license

1.360 tmpl 1.0.5

1.360.1 Available under license

1.361 colorette 1.4.0

1.361.1 Available under license

1.362 retry 0.13.1

1.362.1 Available under license

1.363 available-typed-arrays 1.0.5

1.363.1 Available under license

1.364 async-retry 1.3.3

1.364.1 Available under license

1.365 create-require 1.1.1

1.365.1 Available under license

1.366 @types/minimist 1.2.2

1.366.1 Available under license

1.367 unicode-canonical-property-names-ecmascript 2.0.0

1.367.1 Available under license

1.368 unicode-match-property-ecmascript 2.0.0

1.368.1 Available under license

1.369 ast-types 0.13.4

1.369.1 Available under license

1.370 netmask 2.0.2

1.370.1 Available under license

1.371 is-installed-globally 0.4.0

1.371.1 Available under license

1.372 whatwg-url 5.0.0

1.372.1 Available under license

1.373 ansi-regex 6.0.1

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1.374 ansi-align 3.0.1

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1.375 spf13-pflag 1.0.5

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1.376 is-glob 4.0.3

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1.377 prompts 2.4.2

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1.378 makenowjust-heredoc 1.0.0

1.378.1 Available under license

1.379 hcl 1.0.0

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1.380 eslint-import-resolver-node 0.2.3

1.380.1 Available under license

1.381 fs-extra 1.0.0

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1.382 uniseg 0.2.0

1.382.1 Available under license

1.383 picocolors 1.0.0

1.383.1 Available under license

1.384 go-colorful 1.2.0

1.384.1 Available under license

1.385 estraverse 5.3.0

1.385.1 Available under license

1.386 readline 1.3.0

1.386.1 Available under license

1.387 types-stack-utils 2.0.1

1.387.1 Available under license

1.388 command-exists 1.2.9

1.388.1 Available under license

1.389 mime 2.6.0

1.389.1 Available under license

1.390 glob-parent 6.0.2

1.390.1 Available under license

1.391 map-obj 4.3.0

1.391.1 Available under license

1.392 makeerror 1.0.12

1.392.1 Available under license

1.393 walker 1.0.8

1.393.1 Available under license

1.394 babel-plugin-istanbul 6.1.1

1.394.1 Available under license

1.395 toidentifier 1.0.1

1.395.1 Available under license

1.396 @humanwhocodes/object-schema 1.2.1

1.396.1 Available under license

1.397 function.prototype.name 1.1.5

1.397.1 Available under license

1.398 iterate-iterator 1.0.2

1.398.1 Available under license

1.399 big-integer 1.6.51

1.399.1 Available under license

1.400 source-map-support 0.5.21

1.400.1 Available under license

1.401 lines-and-columns 1.2.4

1.401.1 Available under license

1.402 acorn-walk 8.2.0

1.402.1 Available under license

1.403 tapable 2.2.1

1.403.1 Available under license

1.404 libcxx 9.0.9svn

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1.405.1 Available under license

1.406 hermes-profile-transformer 0.0.6

1.406.1 Available under license

1.407 sudo-prompt 9.2.1

1.407.1 Available under license

1.408 helloworld 0.0.1

1.408.1 Available under license

1.409 anser 1.4.10

1.409.1 Available under license

1.410 hermes-inspector-msggen 1.0.0

1.410.1 Available under license

1.411 jsc-android 250230.2.1

1.411.1 Available under license

1.412 ansi-fragments 0.2.1

1.412.1 Available under license

1.413 babel-preset-fbjs 3.4.0

1.413.1 Available under license

1.414 vlq 1.0.1

1.414.1 Available under license

1.415 temp 0.8.3

1.415.1 Available under license

1.416 @react-native/polyfills 2.0.0

1.416.1 Available under license

1.417 logkitty 0.7.1

1.417.1 Available under license

1.418 node-stream-zip 1.15.0

1.418.1 Available under license

1.419 denodeify 1.2.1

1.419.1 Available under license

1.420 absolute-path 0.0.0

1.420.1 Available under license

1.421 @react-native/assets 1.0.0

1.421.1 Available under license

1.422 babel-plugin-syntax-trailing-function-commas 7.0.0-beta.0

1.422.1 Available under license

1.423 recast 0.20.5

1.423.1 Available under license

1.424 nullthrows 1.1.1

1.424.1 Available under license

1.425 image-size 0.6.3

1.425.1 Available under license

1.426 snapdragon 0.8.2

1.426.1 Available under license

1.427 p-finally 1.0.0

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1.428 to-regex-range 2.1.1

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1.429 rc 1.2.8

1.429.1 Available under license

1.430 strip-json-comments 2.0.1

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1.431 shebang-regex 1.0.0

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1.432 path-key 3.1.1

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1.433 to-object-path 0.3.0

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1.434 snapdragon-node 2.1.1

1.434.1 Available under license

1.435 has-value 1.0.0

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1.436 is-accessor-descriptor 1.0.0

1.436.1 Available under license

1.437 repeat-element 1.1.4

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1.438 union-value 1.0.1

1.438.1 Available under license

1.439 source-map-resolve 0.5.3

1.439.1 Available under license

1.440 has-value 0.3.1

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1.441 split-string 3.1.0

1.441.1 Available under license

1.442 has-values 0.1.4

1.442.1 Available under license

1.443 json-stable-stringify-without-jsonify 1.0.1

1.443.1 Available under license

1.444 kind-of 5.1.0

1.444.1 Available under license

1.445 npm-run-path 2.0.2

1.445.1 Available under license

1.446 pascalcase 0.1.1

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1.447 has-values 1.0.0

1.447.1 Available under license

1.448 path-key 2.0.1

1.448.1 Available under license

1.449 object-copy 0.1.0

1.449.1 Available under license

1.450 y18n 5.0.8

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1.451 is-extendable 0.1.1

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1.452 map-cache 0.2.2

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1.453 is-descriptor 0.1.6

1.453.1 Available under license

1.454 mixin-deep 1.3.2

1.454.1 Available under license

1.455 wrap-ansi 7.0.0

1.455.1 Available under license

1.456 is-descriptor 1.0.2

1.456.1 Available under license

1.457 require-directory 2.1.1

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1.458 posix-character-classes 0.1.1

1.458.1 Available under license

1.459 static-extend 0.1.2

1.459.1 Available under license

1.460 kind-of 6.0.3

1.460.1 Available under license

1.461 object.pick 1.3.0

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1.462 is-buffer 1.1.6

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1.463 require-main-filename 2.0.0
1.463.1 Available under license
1.464 strip-eof 1.0.0
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1.465 js-yaml 3.14.1
1.465.1 Available under license
1.466 kind-of 4.0.0
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1.467 make-error 1.3.6
1.467.1 Available under license
1.468 is-windows 1.0.2
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1.469 nanomatch 1.2.13
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1.470 use 3.1.1
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1.471 is-stream 1.1.0
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1.472 unset-value 1.0.0
1.472.1 Available under license
1.473 is-data-descriptor 0.1.4
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1.474 isobject 3.0.1
1.474.1 Available under license
1.475 ret 0.1.15
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1.476 is-number 3.0.0
1.476.1 Available under license
1.477 repeat-string 1.6.1
1.477.1 Available under license
1.478 to-regexp 3.0.2
1.478.1 Available under license
1.479 micromatch 3.1.10
1.479.1 Available under license
1.480 is-data-descriptor 1.0.0
1.480.1 Available under license
1.481 type-detect 4.0.8
1.481.1 Available under license

1.482 mime 1.6.0

1.482.1 Available under license

1.483 is-extendable 1.0.1

1.483.1 Available under license

1.484 import-fresh 3.3.0

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1.485 is-accessor-descriptor 0.1.6

1.485.1 Available under license

1.486 natural-compare 1.4.0

1.486.1 Available under license

1.487 strip-json-comments 3.1.1

1.487.1 Available under license

1.488 object-visit 1.0.1

1.488.1 Available under license

1.489 regex-not 1.0.2

1.489.1 Available under license

1.490 isobject 2.1.0

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1.491 shebang-command 2.0.0

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1.492 shebang-command 1.2.0

1.492.1 Available under license

1.493 map-visit 1.0.0

1.493.1 Available under license

1.494 set-value 2.0.1

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1.495 resolve-url 0.2.1

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1.496 safe-regex 1.1.0

1.496.1 Available under license

1.497 ini 1.3.8

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1.498 shebang-regex 3.0.0

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1.499 source-map-url 0.4.1

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1.500 snapdragon-util 3.0.1

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1.501 kind-of 3.2.2

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1.502 urix 0.1.0

1.502.1 Available under license

1.503 is-plain-object 2.0.4

1.503.1 Available under license

1.504 yargs-parser 20.2.9

1.504.1 Available under license

1.505 pify 2.3.0

1.505.1 Available under license

1.506 pkg-dir 3.0.0

1.506.1 Available under license

1.507 path-exists 3.0.0

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1.508 setprototypeof 1.2.0

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1.509 pify 4.0.1

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1.510 make-dir 2.1.0

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1.511 p-locate 3.0.0

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1.512 locate-path 3.0.0

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1.513 p-locate 2.0.0

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1.514 is-relative 1.0.0

1.514.1 Available under license

1.515 invariant 2.2.4

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1.516 strip-bom 3.0.0

1.516.1 Available under license

1.517 compression 1.7.4

1.517.1 Available under license

1.518 loose-envify 1.4.0

1.518.1 Available under license

1.519 rechoir 0.6.2

1.519.1 Available under license

1.520 is-plain-obj 1.1.0

1.520.1 Available under license

1.521 write-file-atomic 2.4.3

1.521.1 Available under license

1.522 is-unc-path 1.0.0

1.522.1 Available under license

1.523 p-limit 1.3.0

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1.524 p-try 1.0.0

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1.525 locate-path 2.0.0

1.525.1 Available under license

1.526 q 1.5.1

1.526.1 Available under license

1.527 is-absolute 1.0.0

1.527.1 Available under license

1.528 pify 3.0.0

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1.529 unc-path-regex 0.1.2

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1.530 async-limiter 1.0.1

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1.531 find-cache-dir 2.1.0

1.531.1 Available under license

1.532 is-stream 2.0.1

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1.533 jsonfile 6.1.0

1.533.1 Available under license

1.534 nodelib-fs-walk 1.2.8

1.534.1 Available under license

1.535 split2 3.2.2

1.535.1 Available under license

1.536 neo-async 2.6.2

1.536.1 Available under license

1.537 universalify 2.0.0

1.537.1 Available under license

1.538 queue-microtask 1.2.3

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1.539 dot-prop 5.3.0

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1.540 run-parallel 1.2.0

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1.541 is-obj 2.0.0

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1.542 nodelib-fs-stat 2.0.5

1.542.1 Available under license

1.543 nodelib-fs-scandir 2.1.5

1.543.1 Available under license

1.544 read-pkg 3.0.0

1.544.1 Available under license

1.545 es-array-method-boxes-properly 1.0.0

1.545.1 Available under license

1.546 interpret 1.4.0

1.546.1 Available under license

1.547 compressible 2.0.18

1.547.1 Available under license

1.548 pluralize 8.0.0

1.548.1 Available under license

1.549 slice-ansi 2.1.0

1.549.1 Available under license

1.550 @babel/plugin-syntax-dynamic-import 7.8.3

1.550.1 Available under license

1.551 path-type 3.0.0

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1.552 @babel/plugin-syntax-export-namespace-from 7.8.3

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1.553 load-json-file 4.0.0

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1.554 parse-json 4.0.0

1.554.1 Available under license

1.555 resolve-from 3.0.0

1.555.1 Available under license

1.556 is-path-cwd 2.2.0

1.556.1 Available under license

1.557 proto-list 1.2.4

1.557.1 Available under license

1.558 is-arguments 1.1.1

1.558.1 Available under license

1.559 has-flag 4.0.0

1.559.1 Available under license

1.560 supports-color 7.2.0

1.560.1 Available under license

1.561 path-parse 1.0.7

1.561.1 Available under license

1.562 supports-color 5.5.0

1.562.1 Available under license

1.563 balanced-match 1.0.2

1.563.1 Available under license

1.564 process-nextick-args 2.0.1

1.564.1 Available under license

1.565 yallist 4.0.0

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1.566 lru-cache 6.0.0

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1.567 ansi-styles 4.3.0

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1.568 is-fullwidth-code-point 3.0.0

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1.569 color-convert 1.9.3

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1.570 color-name 1.1.4

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1.571 chalk 2.4.2

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1.572 color-convert 2.0.1

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1.573 sprintf-js 1.0.3

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1.574 nice-try 1.0.5

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1.576 cross-spawn 6.0.5

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1.577 ansi-regex 5.0.1

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1.578 yallist 3.1.1

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1.579 find-up 4.1.0

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1.581 wrap-ansi 6.2.0
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1.582 external-editor 3.1.0
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1.583 normalize-path 3.0.0
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1.584 p-locate 4.1.0
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1.586 cli-cursor 3.1.0
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1.587 json-buffer 3.0.1
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1.588 rimraf 2.6.3
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1.589 tmp 0.0.33
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1.590 es-to-primitive 1.2.1
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1.591 xtend 4.0.2
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1.592 path-exists 4.0.0
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1.593 locate-path 5.0.0
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1.594 mimic-fn 2.1.0
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1.595 decompress-response 6.0.0
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1.596 restore-cursor 3.1.0
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1.597 object-keys 1.1.1
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1.598 end-of-stream 1.4.4
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1.599 cliui 6.0.0

1.599.1 Available under license

1.600 argparse 1.0.10

1.600.1 Available under license

1.601 hosted-git-info 2.8.9

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1.602 mimic-response 3.1.0

1.602.1 Available under license

1.603 bl 4.1.0

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1.604 chalk 4.1.2

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1.605 string-width 4.2.3

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1.606 statuses 2.0.1

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1.607 type-fest 0.21.3

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1.608 ansi-escapes 4.3.2

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1.609 ora 5.4.1

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1.610 onetime 5.1.2

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1.611 yargs-parser 18.1.3

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1.612 is-interactive 1.0.0

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1.613 strip-ansi 6.0.1

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1.614 get-stream 5.2.0

1.614.1 Available under license

1.615 ieee754 1.2.1

1.615.1 Available under license

1.616 base64-js 1.5.1

1.616.1 Available under license

1.617 buffer 5.7.1

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1.618 which-boxed-primitive 1.0.2

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1.620 is-date-object 1.0.5
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1.621 is-string 1.0.7
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1.622 has-tostringtag 1.0.0
1.622.1 Available under license
1.623 is-regex 1.1.4
1.623.1 Available under license
1.624 core-util-is 1.0.3
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1.625.1 Available under license
1.626 for-each 0.3.3
1.626.1 Available under license
1.627 is-boolean-object 1.1.2
1.627.1 Available under license
1.628 is-bigint 1.0.4
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1.630 iterate-value 1.0.2
1.630.1 Available under license
1.631 is-map 2.0.2
1.631.1 Available under license
1.632 is-set 2.0.2
1.632.1 Available under license
1.633 isarray 2.0.5
1.633.1 Available under license
1.634 is-plain-object 5.0.0
1.634.1 Available under license
1.635 @sideway/pinpoint 2.0.0
1.635.1 Available under license
1.636 resolve-alpn 1.2.1
1.636.1 Available under license
1.637 quick-lru 5.1.1
1.637.1 Available under license

1.638 defer-to-connect 2.0.1

1.638.1 Available under license

1.639 @types/http-cache-semantics 4.0.1

1.639.1 Available under license

1.640 is-negative-zero 2.0.2

1.640.1 Available under license

1.641 is-weakref 1.0.2

1.641.1 Available under license

1.642 string-natural-compare 3.0.1

1.642.1 Available under license

1.643 types-istanbul-lib-coverage 2.0.4

1.643.1 Available under license

1.644 picomatch 2.3.1

1.644.1 Available under license

1.645 camelcase 6.3.0

1.645.1 Available under license

1.646 supports-preserve-symlinks-flag 1.0.0

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1.647 shelljs 0.8.5

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1.648 http-errors 2.0.0

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1.649 hosted-git-info 4.1.0

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1.650 prop-types 15.8.1

1.650.1 Available under license

1.651 import-local 3.1.0

1.651.1 Available under license

1.652 globby 11.1.0

1.652.1 Available under license

1.653 types-babel-generator 7.6.4

1.653.1 Available under license

1.654 array-ify 1.0.0

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1.655 clean-regexp 1.0.0

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1.656 is-text-path 1.0.1

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1.657 safe-regex 2.1.1

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1.658 modify-values 1.0.1

1.658.1 Available under license

1.659 deprecation 2.3.1

1.659.1 Available under license

1.660 type-fest 1.4.0

1.660.1 Available under license

1.661 signal-exit 3.0.7

1.661.1 Available under license

1.662 negotiator 0.6.3

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1.663 accepts 1.3.8

1.663.1 Available under license

1.664 slash 4.0.0

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1.665 string-length 5.0.1

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1.666 muesli-reflow 0.3.0

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1.667 charcodes 0.2.0

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1.668 jest-types 27.5.1

1.668.1 Available under license

1.669 babel-plugin-proposal-decorators 7.17.2

1.669.1 Available under license

1.670 jest-regex-util 27.5.1

1.670.1 Available under license

1.671 conventional-recommended-bump 6.1.0

1.671.1 Available under license

1.672 conventional-changelog-preset-loader 2.3.4

1.672.1 Available under license

1.673 gitconfiglocal 1.0.0

1.673.1 Available under license

1.674 conventional-changelog-core 4.2.4

1.674.1 Available under license

1.675 conventional-changelog-atom 2.0.8

1.675.1 Available under license

1.676 jest-serializer 27.5.1

1.676.1 Available under license

1.677 git-raw-commits 2.0.11

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1.678 git-semver-tags 4.1.1

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1.679 conventional-changelog-writer 5.0.1

1.679.1 Available under license

1.680 meow 8.1.2

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1.681 conventional-changelog-angular 5.0.13

1.681.1 Available under license

1.682 conventional-changelog-codemirror 2.0.8

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1.683 conventional-changelog-ember 2.0.9

1.683.1 Available under license

1.684 conventional-commits-filter 2.0.7

1.684.1 Available under license

1.685 conventional-changelog-eslint 3.0.9

1.685.1 Available under license

1.686 jest-worker 27.5.1

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1.687 minimatch 3.1.2

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1.688 jest-util 27.5.1

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1.689 through2 4.0.2

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1.690 conventional-changelog-jshint 2.0.9

1.690.1 Available under license

1.691 conventional-changelog-jquery 3.0.11

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1.692 dargs 7.0.0

1.692.1 Available under license

1.693 conventional-commits-parser 3.2.4

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1.694 get-pkg-repo 4.2.1

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1.695 git-remote-origin-url 2.0.0

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1.696 compare-func 2.0.0

1.696.1 Available under license

1.697 add-stream 1.0.0

1.697.1 Available under license

1.698 text-extensions 1.9.0

1.698.1 Available under license

1.699 @hudson/parse-repository-url 3.0.2

1.699.1 Available under license

1.700 conventional-changelog-express 2.0.6

1.700.1 Available under license

1.701 universal-user-agent 6.0.0

1.701.1 Available under license

1.702 lowercase-keys 3.0.0

1.702.1 Available under license

1.703 p-cancelable 3.0.0

1.703.1 Available under license

1.704 szmarczak-http-timer 5.0.1

1.704.1 Available under license

1.705 formdata-polyfill 4.0.10

1.705.1 Available under license

1.706 has-symbols 1.0.3

1.706.1 Available under license

1.707 types-yargs-parser 21.0.0

1.707.1 Available under license

1.708 brace-expansion 2.0.1

1.708.1 Available under license

1.709 is-ci 3.0.1

1.709.1 Available under license

1.710 mime-db 1.52.0

1.710.1 Available under license

1.711 @jest/create-cache-key-function 27.5.1

1.711.1 Available under license

1.712 @react-native/normalize-color 2.0.0

1.712.1 Available under license

1.713 ansi-regex 4.1.1

1.713.1 Available under license

1.714 mime-types 2.1.35

1.714.1 Available under license

1.715 debug 4.3.4

1.715.1 Available under license

1.716 destroy 1.2.0

1.716.1 Available under license

1.717 mkdirp 0.5.6

1.717.1 Available under license

1.718 micromatch 4.0.5

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1.719 @sideway/address 4.1.4

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1.720 eastasianwidth 0.2.0

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1.721 cli-boxes 3.0.0

1.721.1 Available under license

1.722 widest-line 4.0.1

1.722.1 Available under license

1.723 string-width 5.1.2

1.723.1 Available under license

1.724 @types/react 17.0.21

1.724.1 Available under license

1.725 on-finished 2.4.1

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1.726 graceful-fs 4.2.10

1.726.1 Available under license

1.727 node-domexception 1.0.0

1.727.1 Available under license

1.728 is-shared-array-buffer 1.0.2

1.728.1 Available under license

1.729 is-number-object 1.0.7

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1.730 web-streams-polyfill 3.2.1

1.730.1 Available under license

1.731 es-shim-unscopables 1.0.0

1.731.1 Available under license

1.732 @types/prop-types 15.7.5

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1.733 creack 1.1.18

1.733.1 Available under license

1.734 has-property-descriptors 1.0.0

1.734.1 Available under license

1.735 fs-extra 10.1.0

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1.736 resolve-global 1.0.0
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1.737 eslint-plugin-react-native-globals 0.1.2
1.737.1 Available under license
1.738 @octokit/plugin-request-log 1.0.4
1.738.1 Available under license
1.739 has-bigints 1.0.2
1.739.1 Available under license
1.740 functions-have-names 1.2.3
1.740.1 Available under license
1.741 @jridgewell/trace-mapping 0.3.9
1.741.1 Available under license
1.742 unbox-primitive 1.0.2
1.742.1 Available under license
1.743 @sinonjs/fake-timers 9.1.2
1.743.1 Available under license
1.744 v8-compile-cache-lib 3.0.1
1.744.1 Available under license
1.745 send 0.18.0
1.745.1 Available under license
1.746 serve-static 1.15.0
1.746.1 Available under license
1.747 jest-regex-util 28.0.2
1.747.1 Available under license
1.748 emittery 0.10.2
1.748.1 Available under license
1.749 jest-get-type 28.0.2
1.749.1 Available under license
1.750 hapi-hoek 9.3.0
1.750.1 Available under license
1.751 ip 1.1.8
1.751.1 Available under license
1.752 jwalterweatherman 1.1.0
1.752.1 Available under license
1.753 glob 0.2.3
1.753.1 Available under license
1.754 glob 7.2.3
1.754.1 Available under license

1.755 globalthis 1.0.3

1.755.1 Available under license

1.756 conventional-changelog 3.1.25

1.756.1 Available under license

1.757 conventional-changelog-conventionalcommits 4.6.3

1.757.1 Available under license

1.758 mitchellh-mapstructure 1.5.0

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1.759 gopkg.in-yaml 3.0.1

1.759.1 Available under license

1.760 async 3.2.4

1.760.1 Available under license

1.761 source-map 0.7.4

1.761.1 Available under license

1.762 use-sync-external-store 1.2.0

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1.763 chardet 0.7.0

1.763.1 Available under license

1.764 @tsconfig/node12 1.0.11

1.764.1 Available under license

1.765 @cspotcode/source-map-support 0.8.1

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1.766 resolve 2.0.0-next.4

1.766.1 Available under license

1.767 @tsconfig/node14 1.0.3

1.767.1 Available under license

1.768 @tsconfig/node10 1.0.9

1.768.1 Available under license

1.769 @babel/plugin-proposal-unicode-property-regex 7.18.6

1.769.1 Available under license

1.770 @babel/plugin-proposal-optional-catch-binding 7.18.6

1.770.1 Available under license

1.771 @jridgewell/sourcemap-codec 1.4.14

1.771.1 Available under license

1.772 @babel/plugin-proposal-class-properties 7.18.6

1.772.1 Available under license

1.773 babel-plugin-proposal-nullish-coalescing-operator 7.18.6

1.773.1 Available under license

1.774 @jridgewell/set-array 1.1.2

1.774.1 Available under license

1.775 @iarna/toml 2.2.5

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1.776 protocols 2.0.1

1.776.1 Available under license

1.777 is-ssh 1.4.0

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1.778 builtin-modules 3.3.0

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1.779 kleur 4.1.5

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1.780 @jridgewell/resolve-uri 3.1.0

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1.781 ws 7.5.9

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1.782 dot-prop 6.0.1

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1.783 ts-node 10.9.1

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1.784 fetch-blob 3.2.0

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1.785 ip 2.0.0

1.785.1 Available under license

1.786 @jest/expect-utils 28.1.3

1.786.1 Available under license

1.787 jest-console 28.1.3

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1.788 jest-haste-map 28.1.3

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1.789 jest-config 28.1.3

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1.790 jest-resolve 28.1.3

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1.791 jest-snapshot 28.1.3

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1.792 jest-test-sequencer 28.1.3

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1.793 jest-resolve-dependencies 28.1.3

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1.794 jest-validate 28.1.3

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1.795 jest-runner 28.1.3

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1.796 jest-environment-node 28.1.3

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1.797 jest-each 28.1.3

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1.798 jest-environment 28.1.3

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1.799 jest-test-result 28.1.3

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1.800 jest-transform 28.1.3

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1.801 jest-diff 28.1.3

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1.802 jest-matcher-utils 28.1.3

1.802.1 Available under license

1.803 jest-circus 28.1.3

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1.804 jest-util 28.1.3

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1.805 @jest/schemas 28.1.3

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1.806 pretty-format 28.1.3

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1.807 jest-leak-detector 28.1.3

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1.808 jest-message-util 28.1.3

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1.809 expect 28.1.3

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1.810 jest-source-map 28.1.2

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1.811 jest-changed-files 28.1.3

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1.812 @jest/globals 28.1.3

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1.813 jest-worker 28.1.3

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1.814 jest-runtime 28.1.3

1.814.1 Available under license

1.815 jest-watcher 28.1.3

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1.816 diff-sequences 28.1.1

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1.817 char-regex 2.0.1

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1.818 jest-types 28.1.3

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1.819 jest-fake-timers 28.1.3

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1.820 @jest/expect 28.1.3

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1.821 jest-mock 28.1.3

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1.822 babel-preset-jest 28.1.3

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1.823 jest-docblock 28.1.1

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1.824 babel-plugin-jest-hoist 28.1.3

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1.825 babel-jest 28.1.3

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1.826 wildcard-match 5.1.2

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1.827 object.assign 4.1.4

1.827.1 Available under license

1.828 go-colorable 0.1.13

1.828.1 Available under license

1.829 clean-stack 4.2.0

1.829.1 Available under license

1.830 p-map 5.5.0

1.830.1 Available under license

1.831 decamelize 5.0.1

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1.832 read-pkg 6.0.0

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1.833 escape-string-regexp 5.0.0

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1.834 redent 4.0.0

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1.835 camelcase-keys 7.0.2

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1.836 read-pkg-up 8.0.0

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1.837 strip-indent 4.0.0

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1.838 aggregate-error 4.0.1

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1.839 indent-string 5.0.0

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1.840 flatted 3.2.7

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1.841 write-file-atomic 4.0.2

1.841.1 Available under license

1.842 gopkg.in-ini 1.67.0

1.842.1 Available under license

1.843 @humanwhocodes/module-importer 1.0.1

1.843.1 Available under license

1.844 yargs-parser 21.1.1

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1.845 types-jest 28.1.8

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1.846 responselike 3.0.0

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1.847 jscodeshift 0.13.1

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1.848 regjsparser 0.9.1

1.848.1 Available under license

1.849 regenerate-unicode-properties 10.1.0

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1.850 unicode-property-aliases-ecmascript 2.1.0

1.850.1 Available under license

1.851 yargs 16.2.0

1.851.1 Available under license

1.852 emoji-regex 8.0.0

1.852.1 Available under license

1.853 socks 2.7.1

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1.854 yaml 1.10.2

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1.855 yargs 15.4.1

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1.856 emoji-regex 9.2.2

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1.857 istanbul-lib-source-maps 4.0.1

1.857.1 Available under license

1.858 istanbul-lib-coverage 3.2.0

1.858.1 Available under license

1.859 fb-watchman 2.0.2

1.859.1 Available under license

1.860 supports-hyperlinks 2.3.0

1.860.1 Available under license

1.861 @nicolo-ribaudo/eslint-scope-5-internals 5.1.1-v1

1.861.1 Available under license

1.862 handlebarsjs 4.7.7

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1.863 atob 2.1.2

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1.864 del 6.1.1

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1.865 istanbul-lib-instrument 5.2.1

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1.866 mimic-response 4.0.0

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1.867 convert-source-map 1.9.0

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1.868 cacheable-lookup 7.0.0

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1.869 go-runewidth 0.0.14

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1.870 base 0.11.2

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1.871 defaults 1.0.4

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1.872 charmbracelet-lipgloss 0.6.0

1.872.1 Available under license

1.873 promise 8.3.0

1.873.1 Available under license

1.874 cliui 8.0.1

1.874.1 Available under license

1.875 type-fest 2.19.0

1.875.1 Available under license

1.876 eslint-plugin-react-hooks 4.6.0

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1.877 bl 5.1.0

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1.878 fsnotify 1.6.0

1.878.1 Available under license

1.879 decamelize-keys 1.1.1

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1.880 emittery 0.13.1

1.880.1 Available under license

1.881 natural-compare-lite 1.4.0

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1.882 metro-react-native-babel-transformer 0.72.3

1.882.1 Available under license

1.883 metro-react-native-babel-preset 0.72.3

1.883.1 Available under license

1.884 appdirsjs 1.2.7

1.884.1 Available under license

1.885 @react-native-community/cli-types 9.1.0

1.885.1 Available under license

1.886 visual-studio-runtime 14.32.31332.0

1.886.1 Available under license

1.887 hermes-parser 0.8.0

1.887.1 Available under license

1.888 @sinclair/typebox 0.24.51

1.888.1 Available under license

1.889 hermes-estree 0.8.0

1.889.1 Available under license

1.890 @react-native-community/cli-server-api 9.2.1

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1.891 @react-native-community/cli-tools 9.2.1

1.891.1 Available under license

1.892 uglify-js 3.17.4

1.892.1 Available under license

1.893 @react-native-community/cli-config 9.2.1

1.893.1 Available under license

1.894 @react-native-community/cli-debugger-ui 9.0.0

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1.895 flow-parser 0.121.0

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1.896 react-native-gradle-plugin 0.70.3

1.896.1 Available under license

1.897 react-devtools-core 4.24.0

1.897.1 Available under license

1.898 react-native-codegen 0.70.6

1.898.1 Available under license

1.899 metro-runtime 0.72.3

1.899.1 Available under license

1.900 @react-native-community/cli-clean 9.2.1

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1.901 ob1 0.72.3

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1.902 react 18.1.0

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1.903 metro-symbolicate 0.72.3

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1.904 error-stack-parser 2.1.4

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1.905 nocache 3.0.4

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1.906 metro-babel-transformer 0.72.3

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1.907 metro-source-map 0.72.3

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1.909 gopd 1.0.1

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1.910 object.fromentries 2.0.6

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1.911 object.hasown 1.1.2

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1.912 array.prototype.flat 1.3.1

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1.913 object.entries 1.1.6

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1.914 array.prototype.flatmap 1.3.1

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1.915 object.values 1.1.6

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1.916 regenerator-runtime 0.13.11

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1.917 string.prototype.trim 1.2.7

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1.918 stack-utils 2.0.6

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1.919 string.prototype.trimend 1.0.6

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1.920 string.prototype.trimstart 1.0.6

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1.922 cosmiconfig 7.1.0

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1.923 string.prototype.matchall 4.0.8

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1.924 array.prototype.toSorted 1.1.1

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1.925 safe-regex-test 1.0.0

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1.926 eslint-plugin-prettier 4.2.1

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1.927 is-callable 1.2.7

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1.928 jest-pnp-resolver 1.2.3

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1.929 path-key 4.0.0

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1.931 ansi-styles 6.2.1

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1.932 onetime 6.0.0

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1.933 npm-run-path 5.1.0

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1.934 is-stream 3.0.0

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1.935 strip-final-newline 3.0.0

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1.936 anymatch 3.1.3

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1.937 http2-wrapper 2.2.0

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1.938 normalize-url 8.0.0

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1.939 unicode-match-property-value-ecmascript 2.1.0

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1.940 regenerator-transform 0.15.1

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1.941 @sinonjs/commons 1.8.6

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1.942 form-data-encoder 2.1.4

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1.943 decode-uri-component 0.2.2

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1.944 jsonc-parser 3.2.0

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1.945 before-after-hook 2.2.3

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1.946 global-dirs 3.0.1

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1.947 lodash.upperfirst 4.3.1

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1.949 git-url-parse 13.1.0

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1.957 object-inspect 1.12.3

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1.958 resolve.exports 1.1.1

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1.959 @types/graceful-fs 4.1.6

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1.960 @babel/plugin-proposal-object-rest-spread 7.20.7

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1.961 prelude-ls 1.1.2

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1.962 regenerate 1.4.2

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1.963 typedarray-to-buffer 3.1.5

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1.964 react-is 17.0.2

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1.968 react-shallow-renderer 16.15.0

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1.970 commander 9.5.0

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1.972 minimatch 5.1.6

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1.973 es-set-tostringtag 2.0.1

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1.976 stackframe 1.3.4

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1.977 scheduler 0.23.0

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1.978 @sideway/formula 3.0.1

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1.979 glob 8.1.0

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1.980 punycode 2.3.0

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1.981 stop-iteration-iterator 1.0.0

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1.983 properties 1.8.7

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1.984 gotenv 1.4.2

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1.985 eslint-import-resolver-node 0.3.7

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1.986 react-refresh 0.4.3

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1.987 http-cache-semantics 4.1.1

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1.988 cli-cursor 4.0.0

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1.989 log-symbols 5.1.0

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1.990 figures 5.0.0

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1.991 cli-width 4.0.0

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1.992 is-unicode-supported 1.3.0

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1.993 restore-cursor 4.0.0

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1.994 is-interactive 2.0.0

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1.1002 internal-slot 1.0.5

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1.1011 x-term 0.5.0

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1.1021 readable-stream 3.6.2

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1.1117 execa 7.1.1

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1.1161 @babel/helper-environment-visitor 7.22.5
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1.1273 @eslint/js 8.44.0
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1.1274 acorn 8.10.0
1.1274.1 Available under license
1.1275 @babel/parser 7.22.7
1.1275.1 Available under license
1.1276 @babel/traverse 7.22.8
1.1276.1 Available under license
1.1277 pflag 1.0.5
1.1277.1 Available under license
1.1278 semver 7.5.4
1.1278.1 Available under license
1.1279 node-releases 2.0.13
1.1279.1 Available under license
1.1280 chalk 5.3.0
1.1280.1 Available under license

1.1281 @jest/schemas 29.6.0

1.1281.1 Available under license

1.1282 jsx-ast-utils 3.3.4

1.1282.1 Available under license

1.1283 eslint-plugin-testing-library 5.11.0

1.1283.1 Available under license

1.1284 typescript 5.1.6

1.1284.1 Available under license

1.1285 @sinclair/typebox 0.27.8

1.1285.1 Available under license

1.1286 collect-v8-coverage 1.0.2

1.1286.1 Available under license

1.1287 dayjs 1.11.9

1.1287.1 Available under license

1.1288 @babel/plugin-transform-async-generator-functions 7.22.7

1.1288.1 Available under license

1.1289 semver 5.7.2

1.1289.1 Available under license

1.1290 @types/mdast 3.0.12

1.1290.1 Available under license

1.1291 semver 6.3.1

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1.1292 eslint-import-resolver-typescript 3.5.5

1.1292.1 Available under license

1.1293 golang 1.19.11

1.1293.1 Available under license

1.1294 jest-types 29.6.1

1.1294.1 Available under license

1.1295 @typescript-eslint/scope-manager 5.62.0

1.1295.1 Available under license

1.1296 @babel/helper-remap-async-to-generator 7.22.9

1.1296.1 Available under license

1.1297 @typescript-eslint/types 5.62.0

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1.1298 @typescript-eslint/utils 5.62.0

1.1298.1 Available under license

1.1299 @babel/generator 7.22.9

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1.1300 babel-plugin-transform-typescript 7.22.9

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1.1301 @babel/preset-env 7.22.9
1.1301.1 Available under license
1.1302 @typescript-eslint/visitor-keys 5.62.0
1.1302.1 Available under license
1.1303 @babel/eslint-parser 7.22.9
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1.1304 @babel/core 7.22.9
1.1304.1 Available under license
1.1305 typed-array-byte-offset 1.0.0
1.1305.1 Available under license
1.1306 @babel/helper-module-transforms 7.22.9
1.1306.1 Available under license
1.1307 typescript-eslint-parser 5.62.0
1.1307.1 Available under license
1.1308 babel-helper-create-class-features-plugin 7.22.9
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1.1309 @babel/helper-replace-supers 7.22.9
1.1309.1 Available under license
1.1310 @typescript-eslint/type-utils 5.62.0
1.1310.1 Available under license
1.1311 @babel/helper-wrap-function 7.22.9
1.1311.1 Available under license
1.1312 typescript-eslint-typescript-estree 5.62.0
1.1312.1 Available under license
1.1313 @babel/compat-data 7.22.9
1.1313.1 Available under license
1.1314 babel-helper-compilation-targets 7.22.9
1.1314.1 Available under license
1.1315 vscode-nls 5.2.0
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1.1316 vscode-json-languageservice 4.2.1
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1.1317 vscode-languageserver-types 3.17.3
1.1317.1 Available under license
1.1318 eslint-plugin-json 3.1.0
1.1318.1 Available under license
1.1319 vscode-languageserver-textdocument 1.0.8
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1.1320 vscode-uri 3.0.7

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1.1321 make-dir 4.0.0

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1.1322 eslint-scope 7.2.1

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1.1323 globby 13.2.2

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1.1324 is-typed-array 1.1.12

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1.1325 which-typed-array 1.1.11

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1.1326 es-abstract 1.22.1

1.1326.1 Available under license

1.1327 arraybuffer.prototype.slice 1.0.1

1.1327.1 Available under license

1.1328 eslint 8.45.0

1.1328.1 Available under license

1.1329 espree 9.6.1

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1.1330 typed-array-byte-length 1.0.0

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1.1331 typed-array-buffer 1.0.0

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1.1332 caniuse-lite 1.0.30001517

1.1332.1 Available under license

1.1333 babel-plugin-polyfill-regenerator 0.5.2

1.1333.1 Available under license

1.1334 eslint-plugin-react 7.33.0

1.1334.1 Available under license

1.1335 babel-plugin-polyfill-corejs3 0.8.3

1.1335.1 Available under license

1.1336 @babel/helper-define-polyfill-provider 0.4.2

1.1336.1 Available under license

1.1337 @babel/preset-modules 0.1.6

1.1337.1 Available under license

1.1338 babel-plugin-polyfill-corejs2 0.4.5

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1.1339 fast-glob 3.3.1

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1.1340 tslib 2.6.1

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1.1341 go-toml 2.0.9

1.1341.1 Available under license

1.1342 comment-parser 1.3.1

1.1342.1 Available under license

1.1343 @es-joy/jsdoccomment 0.36.1

1.1343.1 Available under license

1.1344 jsdoc-type-pratt-parser 3.1.0

1.1344.1 Available under license

1.1345 whatwg-fetch 3.6.17

1.1345.1 Available under license

1.1346 @types/node 20.4.5

1.1346.1 Available under license

1.1347 word-wrap 1.2.5

1.1347.1 Available under license

1.1348 @evilmartians/lefthook 1.4.7

1.1348.1 Available under license

1.1349 minimatch 7.4.6

1.1349.1 Available under license

1.1350 metro 0.72.4

1.1350.1 Available under license

1.1351 jest-extended 3.2.4

1.1351.1 Available under license

1.1352 @testing-library/react-native 11.5.4

1.1352.1 Available under license

1.1353 @commitlint/resolve-extends 17.6.7

1.1353.1 Available under license

1.1354 metro-resolver 0.72.4

1.1354.1 Available under license

1.1355 @octokit/types 9.3.2

1.1355.1 Available under license

1.1356 @octokit/core 4.2.4

1.1356.1 Available under license

1.1357 metro-react-native-babel-transformer 0.72.4

1.1357.1 Available under license

1.1358 metro-transform-plugins 0.72.4

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1.1359 commitlint 17.6.7

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1.1360 package-json 8.1.1

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1.1361 eslint-plugin-jsdoc 39.9.1

1.1361.1 Available under license

1.1362 metro-cache 0.72.4

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1.1363 jest-watch-typeahead 2.2.2

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1.1364 metro-babel-transformer 0.72.4

1.1364.1 Available under license

1.1365 jest-message-util 29.6.2

1.1365.1 Available under license

1.1366 @eslint-community/regexpp 4.6.2

1.1366.1 Available under license

1.1367 @octokit/request 6.2.8

1.1367.1 Available under license

1.1368 type-fest 3.13.1

1.1368.1 Available under license

1.1369 pac-proxy-agent 6.0.4

1.1369.1 Available under license

1.1370 ansi-escapes 6.2.0

1.1370.1 Available under license

1.1371 macos-release 3.2.0

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1.1372 @octokit/auth-token 3.0.4

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1.1373 https-proxy-agent 7.0.1

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1.1375 @commitlint/lint 17.6.7

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1.1376 electron-to-chromium 1.4.475

1.1376.1 Available under license

1.1377 @octokit/rest 19.0.11

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1.1378 istanbul-reports 3.1.6

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1.1379 release-it 15.11.0
1.1379.1 Available under license
1.1380 @appdynamics/react-native-agent 22.12.0
1.1380.1 Available under license
1.1381 @testing-library/jest-native 5.4.2
1.1381.1 Available under license
1.1382 @commitlint/rules 17.6.7
1.1382.1 Available under license
1.1383 metro-hermes-compiler 0.72.4
1.1383.1 Available under license
1.1384 vscode-textmate 8.0.0
1.1384.1 Available under license
1.1385 @commitlint/config-conventional 17.6.7
1.1385.1 Available under license
1.1386 eslint-plugin-import 2.28.0
1.1386.1 Available under license
1.1387 metro-config 0.72.4
1.1387.1 Available under license
1.1388 react-native 0.70.6
1.1388.1 Available under license
1.1389 execa 7.2.0
1.1389.1 Available under license
1.1390 @react-native-community/cli-hermes 9.3.4
1.1390.1 Available under license
1.1391 @commitlint/ensure 17.6.7
1.1391.1 Available under license
1.1392 metro-runtime 0.72.4
1.1392.1 Available under license
1.1393 boxen 7.1.1
1.1393.1 Available under license
1.1394 @commitlint/load 17.6.7
1.1394.1 Available under license
1.1395 jest-watcher 29.6.2
1.1395.1 Available under license
1.1396 @commitlint/parse 17.6.7
1.1396.1 Available under license
1.1397 jest-test-result 29.6.2
1.1397.1 Available under license

1.1398 @commitlint/config-validator 17.6.7
1.1398.1 Available under license

1.1399 array.prototype.findlastindex 1.2.2
1.1399.1 Available under license

1.1400 @commitlint/cli 17.6.7
1.1400.1 Available under license

1.1401 get-tsconfig 4.6.2
1.1401.1 Available under license

1.1402 inquirer 9.2.6
1.1402.1 Available under license

1.1403 jest-console 29.6.2
1.1403.1 Available under license

1.1404 metro-source-map 0.72.4
1.1404.1 Available under license

1.1405 @octokit/plugin-rest-endpoint-methods 7.2.3
1.1405.1 Available under license

1.1406 pac-resolver 6.0.2
1.1406.1 Available under license

1.1407 metro-symbolicate 0.72.4
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1.1408 metro-inspector-proxy 0.72.4
1.1408.1 Available under license

1.1409 ora 6.3.1
1.1409.1 Available under license

1.1410 eslint-import-resolver-react-native 0.2.0
1.1410.1 Available under license

1.1411 @octokit/types 10.0.0
1.1411.1 Available under license

1.1412 @octokit/tsconfig 1.0.2
1.1412.1 Available under license

1.1413 metro-cache-key 0.72.4
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1.1414 core-js-compat 3.32.0
1.1414.1 Available under license

1.1415 metro-file-map 0.72.4
1.1415.1 Available under license

1.1416 @octokit/plugin-paginate-rest 6.1.2
1.1416.1 Available under license

1.1417 metro-react-native-babel-preset 0.72.4

1.1417.1 Available under license
1.1418 @octokit/endpoint 7.0.6
1.1418.1 Available under license
1.1419 typedoc 0.23.28
1.1419.1 Available under license
1.1420 @pnpm/npm-conf 2.2.2
1.1420.1 Available under license
1.1421 eslint-config-prettier 8.9.0
1.1421.1 Available under license
1.1422 windows-release 5.1.1
1.1422.1 Available under license
1.1423 jest-matcher-utils 29.6.2
1.1423.1 Available under license
1.1424 degenerator 4.0.4
1.1424.1 Available under license
1.1425 metro-transform-worker 0.72.4
1.1425.1 Available under license
1.1426 object.groupby 1.0.0
1.1426.1 Available under license
1.1427 jest-diff 29.6.2
1.1427.1 Available under license
1.1428 jest-util 29.6.2
1.1428.1 Available under license
1.1429 metro-core 0.72.4
1.1429.1 Available under license
1.1430 eslint-plugin-jest-extended 2.0.0
1.1430.1 Available under license
1.1431 pretty-format 29.6.2
1.1431.1 Available under license
1.1432 shiki 0.14.3
1.1432.1 Available under license
1.1433 eslint-plugin-no-secrets 0.8.9
1.1433.1 Available under license
1.1434 istanbul-lib-report 3.0.1
1.1434.1 Available under license
1.1435 @commitlint/is-ignored 17.6.7
1.1435.1 Available under license
1.1436 eslint-plugin-markdown 3.0.0
1.1436.1 Available under license

1.1437 metro-minify-uglify 0.72.4

1.1437.1 Available under license

1.1438 @react-native-community/cli 9.3.2

1.1438.1 Available under license

1.1439 @react-native-community/cli-platform-android 9.3.4

1.1439.1 Available under license

1.1440 @react-native-community/cli-plugin-metro 9.3.3

1.1440.1 Available under license

1.1441 eslint-plugin-unicorn 45.0.2

1.1441.1 Available under license

1.1442 ob1 0.72.4

1.1442.1 Available under license

1.1443 vscode-oniguruma 1.7.0

1.1443.1 Available under license

1.1444 cosmiconfig-typescript-loader 4.4.0

1.1444.1 Available under license

1.1445 run-async 3.0.0

1.1445.1 Available under license

1.1446 evilmartians-lefthook 1.2.8

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1.1447 argparse 2.0.1

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1.1 annotations 13.0

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 */
```

Found in path(s):

- * /annotations-13-0-sources-jar/org/jetbrains/annotations/Nls.java
- * /annotations-13-0-sources-jar/org/jetbrains/annotations/Nullable.java
- * /annotations-13-0-sources-jar/org/jetbrains/annotations/NonNls.java
- * /annotations-13-0-sources-jar/org/jetbrains/annotations/PropertyKey.java

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*/

Found in path(s):

- * /annotations-13-0-sources-jar/org/jetbrains/annotations/TestOnly.java
- * /annotations-13-0-sources-jar/org/intellij/lang/annotations/JdkConstants.java
- * /annotations-13-0-sources-jar/org/jetbrains/annotations/NotNull.java
- * /annotations-13-0-sources-jar/org/intellij/lang/annotations/MagicConstant.java

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Found in path(s):

* /annotations-13-0-sources-jar/org/jetbrains/annotations/Contract.java

* /annotations-13-0-sources-jar/org/intellij/lang/annotations/Flow.java

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Found in path(s):

* /annotations-13-0-sources-jar/org/intellij/lang/annotations/Identifier.java

* /annotations-13-0-sources-jar/org/intellij/lang/annotations/Pattern.java

* /annotations-13-0-sources-jar/org/intellij/lang/annotations/Language.java

* /annotations-13-0-sources-jar/org/intellij/lang/annotations/PrintFormat.java

*

/annotations-13-0-sources-jar/org/intellij/lang/annotations/RegExp.java

* /annotations-13-0-sources-jar/org/intellij/lang/annotations/Subst.java

1.2 asm-commons 6.0

1.2.1 Available under license :

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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *      a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 *      the path to the annotated type argument, wildcard bound, array
 *      element type, or static inner type within 'typeRef'. May be
 *      null if the annotation targets 'typeRef' as a whole.
 * @param start
 *      the first instructions corresponding to the continuous ranges
 *      that make the scope of this local variable (inclusive).
 * @param end
 *      the last instructions corresponding to the continuous ranges
 *      that make the scope of this local variable (exclusive). This
 *      array must have the same size as the 'start' array.
 * @param index
 *      the local variable's index in each range. This array must have
 *      the same size as the 'start' array.
 * @param desc
 *      the class descriptor of
the annotation class.
*/

```

Found in path(s):

```
* /asm-6-0-sources-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
```


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* /asm-6-0-sources-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/Processor.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
*
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXModuleAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXFieldAdapter.java

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- * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
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- * THE POSSIBILITY OF SUCH DAMAGE.
- */
- /**
- * Creates a new {@link GeneratorAdapter}. <i>Subclasses must not use this
- * constructor</i>. Instead, they must use the
- * {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
- * version.
- *
- * @param mv
- * the

method visitor to which this adapter delegates calls.

- * @param access
- * the method's access flags (see {@link Opcodes}).
- * @param name
- * the method's name.
- * @param desc
- * the method's descriptor (see {@link Type Type}).
- * @throws IllegalStateException
- * If a subclass calls this constructor.
- */

Found in path(s):

- * /asm-6-0-sources-jar/org/objectweb/asm/commons/GeneratorAdapter.java

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* ASM XML Adapter

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* /asm-6-0-sources-jar/org/objectweb/asm/TypeReference.java

* /asm-6-0-sources-jar/org/objectweb/asm/TypePath.java

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*/

/**

* Constructs a new {@link ClassNode}. <i>Subclasses must not use this

* constructor</i>. Instead, they must use the {@link #ClassNode(int)}

* version.

*

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

Found in path(s):

* /asm-6-0-sources-jar/org/objectweb/asm/tree/ClassNode.java

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* /asm-6-0-sources-jar/org/objectweb/asm/package.html

* /asm-6-0-sources-jar/org/objectweb/asm/tree/package.html

* /asm-6-0-sources-jar/org/objectweb/asm/commons/package.html

* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/package.html

*

/asm-6-0-sources-jar/org/objectweb/asm/util/package.html

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- * /asm-6-0-sources-jar/org/objectweb/asm/util/ASMifiable.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/Textifiable.java

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*/
/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 *
 * the owner's class name.
 * @param access
 * the method's access flags (see {@link Opcodes}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {@link Type Type}).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

```

Found in path(s):

* /asm-6-0-sources-jar/org/objectweb/asm/commons/AnalyzerAdapter.java

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Found in path(s):

- * /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Type.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceClassVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/ModuleHashesAttribute.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/util/CheckMethodAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/FieldRemapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/LabelNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tools/Retrofitter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/ClassRemapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/ModuleRemapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceMethodVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/SignatureRemapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/ClassVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/ClassReader.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/tree/FrameNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/SimpleRemapper.java

- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Frame.java
- * /asm-6-0-sources-jar/org/objectweb/asm/AnnotationWriter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/CheckModuleAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/InstructionAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/InsnList.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/MethodInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/VarInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/FieldWriter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/IntInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/Printer.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/MethodWriter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/FieldNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/ModuleResolutionAttribute.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/TypeInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/Remapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Edge.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Value.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/Handler.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceModuleVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/CheckClassAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/BasicValue.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/LdcInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Item.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/AbstractInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Subroutine.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/JumpInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/AdviceAdapter.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/FieldVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Frame.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/StaticInitMerger.java

- * /asm-6-0-sources-jar/org/objectweb/asm/ModuleWriter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleProvideNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/SmallSet.java
- * /asm-6-0-sources-jar/org/objectweb/asm/MethodVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/FieldInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Analyzer.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/CheckFieldAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/AnnotationNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Context.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Handle.java
- * /asm-6-0-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/AnnotationVisitor.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/tree/LineNumberNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Opcodes.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Label.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleExportNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/ParameterNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/MethodRemapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Interpreter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/ClassWriter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Attribute.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/ModuleTargetAttribute.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/InnerClassNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/tree/LocalVariableNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/signature/SignatureReader.java
- * /asm-6-0-sources-jar/org/objectweb/asm/CurrentFrame.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tools/ModuleInfoBndPlugin.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/InsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/ModuleVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/ASMifier.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/IincInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleRequireNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceFieldVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleOpenNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/AnnotationRemapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/Method.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/ByteVector.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/MethodNode.java

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*/

/**

* Constructs a new {@link Textifier}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the {@link #Textifier(int)}
* version.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):

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- */
- /**
- * Creates a new JSRInliner. <i>Subclasses must not use this
- * constructor</i>. Instead, they must use the
- * {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
- * version.
- *
- * @param mv
- *
- the <code>MethodVisitor</code> to send the resulting inlined
- * method code to (use <code>null</code> for none).
- * @param access
- * the method's access flags (see {@link Opcodes}). This
- * parameter also indicates if the method is synthetic and/or
- * deprecated.
- * @param name
- * the method's name.
- * @param desc
- * the method's descriptor (see {@link Type}).
- * @param signature
- * the method's signature. May be <tt>null</tt>.
- * @param exceptions

```

*      the internal names of the method's exception classes (see
*      {@link Type#getInternalName() getInternalName}). May be
*      <tt>null</tt>.
* @throws IllegalStateException
*      If a subclass calls this constructor.
*/

```

Found in path(s):

* /asm-6-0-sources-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

1.3 asm-tree 6.0

1.3.1 Available under license :

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```

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*/
/****
* Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must

```

```

* not use this constructor</i>. Instead, they must use the
* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
* version.
*
* @param typeRef
*     a reference to the annotated type. See {@link TypeReference}.
* @param typePath
*     the path to the annotated type argument, wildcard bound, array
*     element type, or static inner type within 'typeRef'. May be
*     <tt>null</tt> if the annotation targets 'typeRef' as a whole.
* @param start
*     the first instructions corresponding to the continuous ranges
*     that make the scope of this local variable (inclusive).
* @param end
*     the last instructions corresponding to the continuous ranges
*     that make the scope of this local variable (exclusive). This
*     array must have the same size as the 'start' array.
* @param index
*     the local variable's index in each range. This array must have
*     the same size as the 'start' array.
* @param desc
*     the class descriptor of
the annotation class.
*/

```

Found in path(s):

* /asm-6-0-sources-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/Processor.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXModuleAdapter.java
*
/asm-6-0-sources-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/xml/SAXAdapter.java

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*/

/**

* Creates a new {@link GeneratorAdapter}. *<i>*Subclasses must not use this
 * constructor*</i>*. Instead, they must use the
 * {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.

*

* @param mv

* the

method visitor to which this adapter delegates calls.

* @param access

* the method's access flags (see {@link Opcodes}).

* @param name

* the method's name.

* @param desc

* the method's descriptor (see {@link Type Type}).

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

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* /asm-6-0-sources-jar/org/objectweb/asm/commons/GeneratorAdapter.java

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* /asm-6-0-sources-jar/org/objectweb/asm/signature/package.html
* /asm-6-0-sources-jar/org/objectweb/asm/commons/package.html
* /asm-6-0-sources-jar/org/objectweb/asm/package.html
* /asm-6-0-sources-jar/org/objectweb/asm/util/package.html
* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/package.html
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* /asm-6-0-sources-jar/org/objectweb/asm/tree/package.html

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- * /asm-6-0-sources-jar/org/objectweb/asm/TypePath.java

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*/

/**

* Constructs a new {@link ClassNode}. *<i>Subclasses must not use this*
* constructor*</i>.* Instead, they must use the {@link #ClassNode(int)}
* version.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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* /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingClassAdapter.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/JumpInsnNode.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/FieldInsnNode.java

*

/asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/MethodRemapper.java

* /asm-6-0-sources-jar/org/objectweb/asm/MethodWriter.java

* /asm-6-0-sources-jar/org/objectweb/asm/Opcodes.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java

* /asm-6-0-sources-jar/org/objectweb/asm/Attribute.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Value.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/SimpleRemapper.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/InsnNode.java

* /asm-6-0-sources-jar/org/objectweb/asm/Frame.java

* /asm-6-0-sources-jar/org/objectweb/asm/util/CheckFieldAdapter.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/Remapper.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Frame.java

*

/asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Subroutine.java

* /asm-6-0-sources-jar/org/objectweb/asm/util/CheckModuleAdapter.java

* /asm-6-0-sources-jar/org/objectweb/asm/util/TraceModuleVisitor.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java

* /asm-6-0-sources-jar/org/objectweb/asm/Handler.java

* /asm-6-0-sources-jar/org/objectweb/asm/signature/SignatureReader.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleProvideNode.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/StaticInitMerger.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/InstructionAdapter.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/LabelNode.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/ClassRemapper.java

* /asm-6-0-sources-jar/org/objectweb/asm/commons/TableSwitchGenerator.java

* /asm-6-0-sources-jar/org/objectweb/asm/FieldWriter.java

* /asm-6-0-sources-jar/org/objectweb/asm/tree/LdcInsnNode.java

* /asm-6-0-sources-jar/org/objectweb/asm/Edge.java

*

/asm-6-0-sources-jar/org/objectweb/asm/tree/MethodNode.java

* /asm-6-0-sources-jar/org/objectweb/asm/util/Printer.java

- * /asm-6-0-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Handle.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/MethodInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/ASMifier.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/VarInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
- * /asm-6-0-sources-jar/org/objectweb/asm/ModuleWriter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tools/Retrofitter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/ModuleHashesAttribute.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/tree/TypeInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/FieldNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/AnnotationNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleOpenNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/LineNumberNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/ByteVector.java
- * /asm-6-0-sources-jar/org/objectweb/asm/AnnotationVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/SmallSet.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/LocalVariableNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Context.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/ParameterNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/ClassVisitor.java
- *
- /asm-6-0-sources-jar/org/objectweb/asm/Item.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/AnnotationRemapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Interpreter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/Label.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceFieldVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/Method.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
- * /asm-6-0-sources-jar/org/objectweb/asm/ClassReader.java
- * /asm-6-0-sources-jar/org/objectweb/asm/MethodVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceClassVisitor.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/CheckClassAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/CurrentFrame.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
- * /asm-6-0-sources-jar/org/objectweb/asm/commons/SignatureRemapper.java
- * /asm-6-0-sources-jar/org/objectweb/asm/util/TraceMethodVisitor.java
- *

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/asm-6-0-sources-jar/org/objectweb/asm/tree/FrameNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleRequireNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/FieldVisitor.java
* /asm-6-0-sources-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/commons/ModuleTargetAttribute.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleExportNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /asm-6-0-sources-jar/org/objectweb/asm/ClassWriter.java
* /asm-6-0-sources-jar/org/objectweb/asm/AnnotationWriter.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /asm-6-0-sources-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/ModuleNode.java
*
/asm-6-0-sources-jar/org/objectweb/asm/tree/IntInsnNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/Type.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/InsnList.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /asm-6-0-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/IncInsnNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /asm-6-0-sources-jar/org/objectweb/asm/commons/FieldRemapper.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/InnerClassNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/commons/ModuleRemapper.java
* /asm-6-0-sources-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /asm-6-0-sources-jar/org/objectweb/asm/tools/ModuleInfoBndPlugin.java
*
/asm-6-0-sources-jar/org/objectweb/asm/ModuleVisitor.java
* /asm-6-0-sources-jar/org/objectweb/asm/util/CheckMethodAdapter.java
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```

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- * /asm-6-0-sources-jar/org/objectweb/asm/util/Textifiable.java

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*/

/**

* Creates a new {@link AnalyzerAdapter}. *Subclasses must not use this*
* constructor*.* Instead, they must use the
* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.
*
* @param owner
*
* the owner's class name.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type Type}).
* @param mv
* the method visitor to which this adapter delegates calls. May
* be `null`.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):

* /asm-6-0-sources-jar/org/objectweb/asm/commons/AnalyzerAdapter.java

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*/

/**

* Constructs a new {@link Textifier}. *Subclasses must not use this*
* constructor*.* Instead, they must use the {@link #Textifier(int)}
* version.

*

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

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/**

- * Creates a new JSRInliner. <i>Subclasses must not use this
- * constructor</i>. Instead, they must use the
- * {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
- *
 * @param mv
 *
 the `MethodVisitor` to send the resulting inlined
 * method code to (use `null` for none).
- * @param access
 * the method's access flags (see {@link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
- * @param name
 * the method's name.
- * @param desc
 * the method's descriptor (see {@link Type}).
- * @param signature
 * the method's signature. May be `null`.
- * @param exceptions
 * the internal names of the method's exception classes (see
 * {@link Type#getInternalName() getInternalName}). May be
 * `null`.
- * @throws IllegalStateException
 * If a subclass calls this constructor.

*/

Found in path(s):

- * /asm-6-0-sources-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

1.4 icu 64

1.4.1 Available under license :

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
```

```

<title>ICU License - moved to LICENSE</title>
</head>

<body BGCOLOR="#ffffff">
<p>
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</p>
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</body>
</html>

## *-makefile-*
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## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

```

```

## Compilation
rules
%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%. $(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s/\($*\)\.o[ :]*/\1.o $@ : /g"' > $@; \
[ -s $@ ] || rm -f $@

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s/\($*\)\.o[ :]*/\1.o $@ : /g"' > $@; \
[ -s $@ ] || rm -f $@

## Versioned libraries rules

%. $(SO).$(SO_TARGET_VERSION_MAJOR): %. $(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%. $(SO): %. $(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}. $(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# Ldflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

```

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1.8 types-istanbul-lib-report 3.0.0

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1.9 babel-plugin-syntax-nullish-coalescing-operator 7.8.3

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1.11 @babel/plugin-syntax-optional-catch-binding 7.8.3

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1.13 @babel/plugin-syntax-json-strings 7.8.3

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1.14 @babel/plugin-syntax-object-rest-spread

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1.16 babel-core 7.0.0-bridge.0

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
PSF	yes			

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes

1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
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1.53 extglob 2.0.4

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1.56 etag 1.8.1

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1.60 type-check 0.3.2

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name: 'type-check'

version: '0.3.2'

author: 'George Zahariev <z@georgezahariev.com>'

description: 'type-check allows you to check the types of JavaScript values at runtime with a Haskell like type syntax.'

homepage: 'https://github.com/gkz/type-check'

keywords:

'type'

'check'

'checking'

'library'

files:

'lib'

'README.md'

'LICENSE'

main: './lib/'

bugs: 'https://github.com/gkz/type-check/issues'

license: 'MIT'

engines:

node: '>= 0.8.0'

repository:

type: 'git'

url: 'git://github.com/gkz/type-check.git'

scripts:

test: "make test"

dependencies:

'prelude-ls': '~1.1.2'

dev-dependencies:

livescript: '~1.4.0'

mocha: '~2.3.4'

istanbul: '~0.4.1'

browserify: '~12.0.1'

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1.65 string_decoder 1.1.1

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1.67 typedarray 0.0.6

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*/

// Original can be found at:

// <https://bitbucket.org/lindenlab/llsd>

```
// Modifications by Joshua Bell inexorable@tash@gmail.com
// https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
```

1.68 has-flag 3.0.0

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1.71 object-assign 4.1.1

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1.72 function-bind 1.1.1

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1.73 statuses 1.5.0

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1.75 resolve-from 4.0.0

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1.77 parseurl 1.3.3

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1.78 validate-npm-package-license 3.0.4

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validate-npm-package-license

=====

Give me a string and I'll tell you if it's a valid npm package license string.

```
```javascript
var valid = require('validate-npm-package-license');
```
```

SPDX license identifiers are valid license strings:

```
```javascript

var assert = require('assert');
var validSPDXExpression = {
 validForNewPackages: true,
 validForOldPackages: true,
 spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```

```javascript
assert.deepEqual(
 valid('Apache 2.0'),
 {
 validForOldPackages: false,
 validForNewPackages: false,
 warnings: [
 'license should be ' +
 'a valid SPDX license expression (without "LicenseRef")', ' +
 "'UNLICENSED', or ' +
 "'SEE LICENSE IN <filename>",
 'license is similar to the valid expression "Apache-2.0"'
]
 }
);
```

```

SPDX expressions are valid, too ...

```

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
 valid('(GPL-3.0-only OR BSD-2-Clause)'),
 validSPDXExpression
);
```

```

... except if they contain `LicenseRef`:

```

```javascript
var warningAboutLicenseRef = {
 validForOldPackages: false,
 validForNewPackages: false,
 spdx: true,
 warnings: [
 'license should be ' +
 'a valid SPDX license expression (without "LicenseRef")', ' +
 "'UNLICENSED', or ' +
 "'SEE LICENSE IN <filename>",
]
};

assert.deepEqual(
 valid('LicenseRef-Made-Up'),
 warningAboutLicenseRef
);
```

```

```

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
```

```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```

```javascript
assert.deepEqual(
  valid('SEE
  LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```

```

If there aren't any licensing terms, use `UNLICENSED`:

```

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENSED'), unlicensed);
```

```

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## 1.93 monorepo-symlink-test 0.0.0

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# 1.115 json-stringify-safe 5.0.1

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# 1.116 error-ex 1.3.2

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# 1.118 finalhandler 1.1.2

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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation

=====

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## 1.134 ansi-styles 3.2.1

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## 1.135 levn 0.3.0

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name: 'levn'

version: '0.3.0'

author: 'George Zahariev <z@georgezahariev.com>'

description: 'Light ECMAScript (JavaScript) Value Notation - human written, concise, typed, flexible'

homepage: 'https://github.com/gkz/levn'

keywords:

'levn'

'light'

'ecmascript'

'value'

'notation'

'json'

'typed'

'human'

'concise'

'typed'

'flexible'

files:

'lib'

'README.md'

'LICENSE'

main: './lib/'

bugs: 'https://github.com/gkz/levn/issues'

license: 'MIT'

engines:

node: '>= 0.8.0'

repository:

type: 'git'

url: 'git://github.com/gkz/levn.git'

scripts:

test: "make test"

dependencies:

'prelude-ls': '~1.1.2'

'type-check': '~0.3.2'

dev-dependencies:

livescript: '~1.4.0'

mocha: '~2.3.4'

## 1.136 asap 2.0.6

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## 1.137 caller-path 2.0.0

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name: 'optionator'  
version: '0.8.3'

author: 'George Zahariev <z@georgezahariev.com>'  
description: 'option parsing and help generation'  
homepage: 'https://github.com/gkz/optionator'  
keywords:  
 'options'  
 'flags'  
 'option parsing'  
 'cli'  
files:  
 'lib'  
 'README.md'  
 'LICENSE'  
main: './lib/'

bugs: 'https://github.com/gkz/optionator/issues'  
license: 'MIT'  
engines:  
 node: '>= 0.8.0'  
repository:  
 type: 'git'  
 url: 'git://github.com/gkz/optionator.git'  
scripts:  
 test: "make test"

dependencies:  
 'prelude-ls': '~1.1.2'  
 'deep-is': '~0.1.3'  
 'word-wrap': '~1.2.3'  
 'type-check': '~0.3.2'  
 levn: '~0.3.0'  
 'fast-levenshtein': '~2.0.6'

dev-dependencies:  
 livescript: '~1.6.0'  
 mocha: '~6.2.2'  
 istanbul: '~0.4.5'

# 1.194 uri-js 4.4.1

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```
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* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/NamespaceContainer.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMNavigator.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/DTDParser.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/package-info.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/StAXStreamBuilder.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/StAXStreamOutputter.java
*
/jdom2-2-0-6-sources-1-jar/org/jdom2/AttributeType.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/AttributeFilter.java
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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/doc-files/TestIds.java

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\*/

Found in path(s):

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/NamespaceAware.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/JDOMConstants.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/Filters.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/ClassFilter.java

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Found in path(s):

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPath.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractSAXOutputProcessor.java

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Found in path(s):

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestFilterList.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestDocType.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestVerifier.java  
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- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JDOMImplementation.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathExpression.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JaxenCompiled.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNamespaceAware.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMCoreNavigator.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JElement.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/util/IteratorIterable.java
- \*
- /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JAttribute.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/NamespacePointer.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathDiagnostic.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JParent.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNodeList.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNamespace.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JProcessingInstruction.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/util/AbstractXPathCompiled.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/JDOM2DTM.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathFactory.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JContent.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JSimpleCharacterContent.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/Wrapper.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JaxenXPathFactory.java
- \*
- /jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/xpath/AbstractTestXPathCompiled.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathBuilder.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/internal/SystemProperty.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOM2Navigator.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/CloneBase.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JCDATA.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderJAXPFactory.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/DOM.java

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* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JEntityRef.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/SlimJDOMFactory.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JText.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/util/XPathDiagnosticImpl.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNode.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JDocType.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JDOMConfiguration.java
*
/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JDocument.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JSimpleContent.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JComment.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/package-info.java
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- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/DOMAdapter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalDataException.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/Namespace.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalTargetException.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/JAXPDOMAdapter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/Verifier.java
- \*
- /jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/AbstractDOMAdapter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/UncheckedJDOMFactory.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/Filter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/StAXStreamProcessor.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalNameException.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/JDOMException.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalAddException.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/verifier/VerifierBuilder.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/JDOMLocator.java

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- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/SAXBuilder.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/EntityRef.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/AndFilter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/Format.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/CDATA.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/ContentFilter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/Text.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/DefaultJDOMFactory.java
- \*
- /jdom2-2-0-6-sources-1-jar/org/jdom2/AttributeList.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/SAXOutputter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/OrFilter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/ProcessingInstruction.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMXPath.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/Element.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/DOMBuilder.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/Document.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/Parent.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/AbstractFilter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/ElementFilter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/Comment.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/DescendantIterator.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/FilterIterator.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/JDOMParseException.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/NegateFilter.java
- \*
- /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXHandler.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/helpers/JDOMHelper.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/TextBuffer.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/XMLOutputter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/Attribute.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathHelper.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/DocType.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/JDOMFactory.java

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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/BuilderErrorHandler.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/DOMOutputter.java

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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/transform/JDOMSource.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/transform/JDOMResult.java

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- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/XalanXPathExpression.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/PerfVerifier.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/android/TranslateTests.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/DevNull.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/PerfTest.java
- \*
- /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/PerfDoc.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/XalanXPathFactory.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/java/JavaXPathExpression.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/java/JavaXPathFactory.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dtdaware/AttFilter.java

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```
*/
/*
* =====
* Support methods for Text-content formatting. Should all be protected. The
* following are used when printing Text-based data. Because of complicated
* multi-sequential text sometimes the requirements are odd. All Text
* content will be output using these methods, which is why there is the None
* version.
* =====
```

```
*/
```

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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractXMLOutputProcessor.java

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```
/*--
```

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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/internal/ReflectionConstructor.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/util/NamespaceStack.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/internal/ArrayCopy.java  
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```
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/ElementListener.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/XPathMatcher.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdAttribute.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdDocument.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdElement.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/JakartaRegExpXPathMatcher.java
*
/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdFactory.java
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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/schema/Schema.java

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- \* [/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestComment.java](#)
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Found in path(s):

- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/ResultSetBuilder.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/TestBean.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/JDOMBean.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/TestIndexed.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/ElementScanner.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/DateUtils.java
- \*
- /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/helpers/XPathHelper.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/output/JTreeOutputter.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/BeanMapperException.java
- \* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/StringConverter.java

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/\*

\* =====

\* Support methods for Text-content formatting. Should all be protected. The

\* following are used when printing Text-based data. Because of complicated

\* multi-sequential text sometimes the requirements are odd. All Text

\* content will be output using these methods, which is why there is the None

\* version.

\* =====

\*/

Found in path(s):

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractOutputProcessor.java

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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/SAXTarget.java

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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/DefaultSAXHandlerFactory.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/LineSeparator.java

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Found in path(s):

\* [/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestAttribute.java](#)

\* [/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestElement.java](#)

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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerPRESERVE.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedDocType.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedProcessingInstruction.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/Walker.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerTRIM\_FULL\_WHITE.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedCDATA.java  
\*  
/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerTRIM.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/Located.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedJDOMFactory.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerNORMALIZE.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dtdaware/AttAwareXMLOutputProcessor.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dtdaware/AttFilteredXMLOutputProcessor.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedComment.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedEntityRef.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedElement.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedText.java  
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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/TextOnlyFilter.java  
\* /jdom2-2-0-6-sources-1-jar/org/jdom2/filter/PassThroughFilter.java  
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\* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/LineNumberSAXHandler.java

\* /jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/LineNumberElement.java

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* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXBuilderEngine.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderJDOMFactory.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderSAX2Factory.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/StAXFilter.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/StringBin.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/AbstractReaderXSDFactory.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXEngine.java
*
/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderSchemaFactory.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaders.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderXSDFactory.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXHandlerFactory.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/DefaultStAXFilter.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/AbstractReaderSchemaFactory.java
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```
* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/DOMOutputProcessor.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractStAXStreamProcessor.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/StAXEventProcessor.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/FormatStack.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/SAXOutputProcessor.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractDOMOutputProcessor.java
*
/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractStAXEventProcessor.java
* /jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/XMLOutputProcessor.java
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## 1.201 spdx-exceptions 2.3.0

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## 1.202 spdx-expression-parse 3.0.1

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\*/

/\*\*

\* Creates a new {@link GeneratorAdapter}. *Subclasses must not use this*

\* constructor*.* Instead, they must use the

```

* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.
*
* @param mv
* the
method visitor to which this adapter delegates calls.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type Type}).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

```

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\*/

/\*\*

\* Constructs a new {@link ClassNode}. <i>Subclasses must not use this

\* constructor</i>. Instead, they must use the {@link #ClassNode(int)}

\* version.

\*

\* @throws IllegalStateException

\* If a subclass calls this constructor.

\*/

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/\*\*

\* Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this

\* constructor</i>. Instead, they must use the

```

* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.
*
* @param owner
*
* the owner's class name.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type Type}).
* @param mv
* the method visitor to which this adapter delegates calls. May
* be <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

```

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\* /asm-6-0-sources-1-jar/org/objectweb/asm/TypeReference.java  
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\* /asm-6-0-sources-1-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java  
\* /asm-6-0-sources-1-jar/org/objectweb/asm/xml/SAXFieldAdapter.java  
\* /asm-6-0-sources-1-jar/org/objectweb/asm/xml/ASMContentHandler.java  
\* /asm-6-0-sources-1-jar/org/objectweb/asm/xml/SAXAdapter.java



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*
/asm-6-0-sources-1-jar/org/objectweb/asm/xml/Processor.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
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*/

/**
* Creates a new JSRInliner. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.
*
* @param mv
*
the <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>null</code> for none).
* @param access
* the method's access flags (see {@link Opcodes}). This

```

- \* parameter also indicates if the method is synthetic and/or
- \* deprecated.
- \* @param name
- \* the method's name.
- \* @param desc
- \* the method's descriptor (see {@link Type}).
- \* @param signature
- \* the method's signature. May be <tt>null</tt>.
- \* @param exceptions
- \* the internal names of the method's exception classes (see
- \* {@link Type#getName() getName}). May be
- \* <tt>null</tt>.
- \* @throws IllegalStateException
- \* If a subclass calls this constructor.
- \*/

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\* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the first instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 * @param desc
 * the class descriptor of
the annotation class.
*/

```

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\* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/CurrentFrame.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/FrameNode.java
- \*
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/InsnNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/ModuleOpenNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/ParameterNode.java

- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/util/TraceModuleVisitor.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/Analyzer.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/util/CheckModuleAdapter.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/Frame.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/FieldWriter.java
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- /asm-6-0-sources-1-jar/org/objectweb/asm/tree/IntInsnNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/FieldNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/SmallSet.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/AbstractInsnNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/ModuleExportNode.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/FieldRemapper.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/LincInsnNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/LabelNode.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/util/CheckMethodAdapter.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
- \*
- /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/ModuleResolutionAttribute.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/InstructionAdapter.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/util/CheckFieldAdapter.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/util/TraceFieldVisitor.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/Method.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tools/Retrofitter.java
- \*
- /asm-6-0-sources-1-jar/org/objectweb/asm/tree/VarInsnNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/Edge.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/AnnotationRemapper.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/InsnList.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/util/CheckClassAdapter.java
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- /asm-6-0-sources-1-jar/org/objectweb/asm/commons/AdviceAdapter.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/Type.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/ModuleTargetAttribute.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/Opcodes.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/Context.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/ModuleNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/LineNumberNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/AnnotationNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/Value.java
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- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/SourceValue.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/Handler.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/ClassVisitor.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/LdcInsnNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/util/Printer.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/Subroutine.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/MethodNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/signature/SignatureWriter.java
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- /asm-6-0-sources-1-jar/org/objectweb/asm/tree/FieldInsnNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/Interpreter.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tools/ModuleInfoBndPlugin.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/SignatureRemapper.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/LocalVariableNode.java
- \* /asm-6-0-sources-1-jar/org/objectweb/asm/Item.java

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* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/ModuleHashesAttribute.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/Handle.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/Attribute.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
*
* /asm-6-0-sources-1-jar/org/objectweb/asm/ModuleVisitor.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /asm-6-0-sources-1-jar/org/objectweb/asm/ClassWriter.java
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*/
/**
* Constructs a new {@link Textifier}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the {@link #Textifier(int)}

```



```
* version.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/
```

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\* /asm-6-0-sources-1-jar/org/objectweb/asm/package.html  
\* /asm-6-0-sources-1-jar/org/objectweb/asm/tree/package.html  
\* /asm-6-0-sources-1-jar/org/objectweb/asm/signature/package.html  
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/\*\*

\* Creates a new {@link AnalyzerAdapter}. *Subclasses must not use this*  
\* constructor*.* Instead, they must use the  
\* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}  
\* version.  
\*  
\* @param owner  
\*  
\* the owner's class name.  
\* @param access  
\* the method's access flags (see {@link Opcodes}).  
\* @param name  
\* the method's name.  
\* @param desc  
\* the method's descriptor (see {@link Type Type}).  
\* @param mv  
\* the method visitor to which this adapter delegates calls. May  
\* be `null`.  
\* @throws IllegalStateException  
\* If a subclass calls this constructor.  
\*/

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\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/AnalyzerAdapter.java

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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * null if the annotation targets 'typeRef' as a whole.
 * @param start
 * the first instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 * @param desc
 * the class descriptor of
the annotation class.
*/

```

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```
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
```

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/\*\*

\* Creates a new {@link GeneratorAdapter}. *Subclasses must not use this*

\* constructor*.* Instead, they must use the

\* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}

\* version.

\*

\* @param mv

\* the

method visitor to which this adapter delegates calls.

\* @param access

\* the method's access flags (see {@link Opcodes}).

\* @param name

\* the method's name.

\* @param desc

\* the method's descriptor (see {@link Type Type}).

\* @throws IllegalStateException

\* If a subclass calls this constructor.

\*/

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/\*\*

\* Constructs a new {@link ClassNode}. <i>Subclasses must not use this

\* constructor</i>. Instead, they must use the {@link #ClassNode(int)}

\* version.

\*

\* @throws IllegalStateException

\* If a subclass calls this constructor.

\*/

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\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/ClassNode.java

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\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/xml/SAXClassAdapter.java

\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/xml/SAXAdapter.java

\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java

\*

/asm-util-6-0-sources-3-jar/org/objectweb/asm/xml/SAXFieldAdapter.java

\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/xml/Processor.java

\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/xml/SAXCodeAdapter.java

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\* Creates a new JSRInliner. *<i>Subclasses must not use this*  
\* constructor*</i>.* Instead, they must use the  
\* {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}  
\* version.  
\*  
\* @param mv  
\*  
the `MethodVisitor` to send the resulting inlined  
\* method code to (use `null` for none).  
\* @param access  
\* the method's access flags (see {@link Opcodes}). This  
\* parameter also indicates if the method is synthetic and/or  
\* deprecated.  
\* @param name  
\* the method's name.  
\* @param desc  
\* the method's descriptor (see {@link Type}).  
\* @param signature  
\* the method's signature. May be `null`.  
\* @param exceptions  
\* the internal names of the method's exception classes (see  
\* {@link Type#getInternalName() getInternalName}). May be  
\* `null`.  
\* @throws IllegalStateException  
\* If a subclass calls this constructor.  
\*/

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 \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/package.html  
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\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/Opcodes.java

\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java

\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java

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*
/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/IntInsnNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/ModuleProvideNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/SimpleRemapper.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/ModuleOpenNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/VarInsnNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/ModuleRequireNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/AnnotationNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/AnnotationWriter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/signature/SignatureWriter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/Handle.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
*
/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/Remapper.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/Value.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/InnerClassNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/FieldWriter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/Context.java
*
/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ModuleRemapper.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ModuleResolutionAttribute.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/signature/SignatureReader.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/InstructionAdapter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/ClassReader.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ModuleHashesAttribute.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/FieldInsnNode.java
*
/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/TypeInsnNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/ModuleWriter.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/FieldNode.java
* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/LabelNode.java

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- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/SignatureRemapper.java
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- \*
- /asm-util-6-0-sources-3-jar/org/objectweb/asm/Edge.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/SmallSet.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/ParameterNode.java
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- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/AbstractInsnNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/Attribute.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/BasicValue.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/MethodWriter.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ModuleTargetAttribute.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/LocalVariableNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/ClassWriter.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/InsnList.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/FrameNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/Frame.java
- \*
- /asm-util-6-0-sources-3-jar/org/objectweb/asm/AnnotationVisitor.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/ClassVisitor.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/ByteVector.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
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- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/SourceValue.java
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- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/ModuleVisitor.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/LineNumberNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tools/ModuleInfoBndPlugin.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/Analyzer.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/CheckModuleAdapter.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/Frame.java
- \*
- /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
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- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/Type.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/CheckClassAdapter.java

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- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/MethodVisitor.java
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- /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/InsnNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ClassRemapper.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/TraceMethodVisitor.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/Method.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/MethodRemapper.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/util/ASMifier.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/AdviceAdapter.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/IncInsnNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/ModuleNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/LdcInsnNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tools/Retrofitter.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
- \* /asm-util-6-0-sources-3-jar/org/objectweb/asm/FieldVisitor.java

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/\*\*

\* Constructs a new {@link Textifier}. <i>Subclasses must not use this  
\* constructor</i>. Instead, they must use the {@link #Textifier(int)}  
\* version.  
\*  
\* @throws IllegalStateException  
\* If a subclass calls this constructor.  
\*/

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\* /asm-util-6-0-sources-3-jar/org/objectweb/asm/TypeReference.java

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## 1.287 escape-string-regexp 2.0.0

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## 1.288 babel-preset-current-node-syntax 1.0.1

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## 1.289 @bcoe/v8-coverage 0.2.3

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## 1.290 glob-parent 5.1.2

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## 1.292 execa 4.1.0

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## 1.293 detect-newline 3.1.0

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## 1.294 @babel/plugin-syntax-class-properties

### 7.12.13

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# 1.295 is-alphanumeric 1.0.4

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# 1.296 eslint-scope 5.1.1

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## 1.299 character-entities-legacy 1.1.4

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# 1.301 unist-util-stringify-position 2.0.3

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## 1.302 merge2 1.4.1

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## 1.303 escodegen 1.14.3

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## 1.304 type-check 0.4.0

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name: 'type-check'

version: '0.4.0'

author: 'George Zahariev <z@georgezahariev.com>'

description: 'type-check allows you to check the types of JavaScript values at runtime with a Haskell like type syntax.'

homepage: 'https://github.com/gkz/type-check'

keywords:

'type'

'check'

'checking'

'library'

files:

'lib'

'README.md'

'LICENSE'

main: './lib/'

bugs: 'https://github.com/gkz/type-check/issues'

license: 'MIT'

engines:

node: '>= 0.8.0'

repository:

type: 'git'

url: 'git://github.com/gkz/type-check.git'

scripts:  
test: "make test"

dependencies:  
'prelude-ls': '^1.2.1'

dev-dependencies:  
livescript: '^1.6.0'  
mocha: '^7.1.1'  
browserify: '^16.5.1'

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# 1.305 p-locate 5.0.0

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## 1.306 locate-path 6.0.0

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## 1.307 levn 0.4.1

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name: 'levn'

version: '0.4.1'

author: 'George Zahariev <z@georgezahariev.com>'

description: 'Light ECMAScript (JavaScript) Value Notation - human written, concise, typed, flexible'

homepage: 'https://github.com/gkz/levn'

keywords:

```
'levn'
'light'
'ecmascript'
'value'
'notation'
'json'
'typed'
'human'
'concise'
'typed'
'flexible'
files:
'lib'
'README.md'
'LICENSE'
main: './lib/'
```

```
bugs: 'https://github.com/gkz/levn/issues'
license: 'MIT'
engines:
 node: '>= 0.8.0'
repository:
 type: 'git'
 url: 'git://github.com/gkz/levn.git'
scripts:
 test: 'make test'
```

```
dependencies:
'prelude-ls': '^1.2.1'
'type-check': '~0.4.0'
```

```
dev-dependencies:
livescript: '^1.6.0'
mocha: '^7.1.1'
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## 1.308 find-up 5.0.0

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## 1.338 @babel/plugin-syntax-class-static-block 7.14.5

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# 1.354 types-babel-template 7.4.1

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Thu Aug 26 08:15:06 CDT 2010

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NEVER

Runtime

Not for development

win32/x86;linux/ppc64;linux/x86;mac/x86;mac/x64;mac/ppc;linux/x64;win32/x64;linux/ppc  
b8w6vxsrc9hgb4m4e5gx5521clxzuz8j54xsgcu2g8kyo6065cf4dkw5359w4c6lrteyanrbqqkm5ca6  
9971oq2lbv82ldi6fztbiic406o2qj572h6aq6cpivv93myjor98bgeory3fu8hyv0x2azdxjy1ybosk

Version: 3.x

Product: JNIWrapper

Product: JxBrowser

Version: 2.x

Licensed to:

License type: Runtime

License info: Not for development

Expiration date: NEVER

Generation date: 26-08-2010

Platforms: win32/x86;linux/x86;mac/x86;mac/x64;mac/ppc;linux/x64;win32/x64

Company: evaware software ab

SigB: 10adh72idjhnahax9wro9p4dmcrw48ryuib185hji9o4dv00tramvzxtvwyh722an4kqqbllo3ficy77

SigA: y5xzgq75bd5uqagrq0zygnzbfeh8758jhnd5e1ekppaar2m2879mmlk1nzzaoste7j8bifqkahlzmsdv

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win32/x86;win32/x64

qsnu8p4scx5jlpve90det7j8koqdlta080yqf2ve2wvev2ycpij05o79htz53h2rlb78hp8qyhfvolx3  
5ugn50g047tv0c855yl5xhv75d41wgvki2h74tmjro33dqiv1buw8k7097bpd3jnwnaqea9mb8vhnokk

Version:

2.x

Product: JExplorer

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Runtime

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win32/x86;win32/x64

cjvzsd9upa7gakblwm3gfwxm0yi33qrxquape7sijv2vag6ps7nvcf60calz8s0rz316x0ujrbouudyi  
rvmnudkr7bfraif2niqt05mj52b3mz1y68rps3l3ex7zk9uvwnq0tsyd588l02n0ycv3qaoxvikns8mk

Version: 2.x

Product: ComfyJ

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File: src/main/java/org/apache/commons/ssl/ASN1Util.java

Changes:  
Removing Bouncy Castle classes and linking to the JAR instead.

File: src/main/java/org/apache/commons/ssl/KeyStoreBuilder.java

Changes: Modifying the order in which keystore types are tested to more gracefully comply with the changes in JEP 229 present in Java 9+.  
Replacing direct System.out calls with Logger calls.  
Removing Bouncy Castle classes and linking to the JAR instead.

File: src/main/java/org/apache/commons/ssl/PKCS8Key.java

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File: src/main/java/org/apache/commons/ssl/TrustMaterial.java

Changes: Replacing direct printStackTrace calls with Logger calls.

Files: src/main/java/org/apache/commons/ssl/org/bouncycastle/\*

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ExceptionConverter:

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(2)

SimpleXMLParser:

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(3)

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com/lowagie/text/pdf/codec/BmpImage.java

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com/lowagie/text/pdf/codec/TIFFDirectory.java (first appearance in iText: 2003-04-09)

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In a mail sent to Bruno Lowagie on January 23, 2008, Brian Burkhalter (@sun.com) writes: "This code is under a BSD license and supersedes the older codec packages on which your code is based. It also includes numerous fixes among them being the ability to handle a lot of 'broken' TIFFs."

Note that numerous fixes were applied to the code used in iText by Paulo Soares, but apart from the fixes there were no essential changes between the code that was originally adapted and the code that is now available under the following license:

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FYI: Brian also added: "A bit of history might be in order. The codec classes that you used originally were based on some classes included with JAI but not strictly part of JAI. As of Java SE 1.4 an official Image I/O framework was added in javax.imageio.... This frameork supports these formats:

Java 1.4: GIF (read only), JPEG, PNG

Java 1.5: Added support for BMP and WBMP

Java 1.6: Added support for writing GIF

The JAI Image I/O Tools packages (jai-imageio-core) were created to support formats handled by JAI but not included in Java SE as well as some new things like JPEG2000."

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## 1.366 @types/minimist 1.2.2

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## 1.367 unicode-canonical-property-names-ecmascript 2.0.0

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## 1.408 helloworld 0.0.1

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```
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#

#####
##
Gradle start up script for UN*X
##
#####

Attempt to set APP_HOME
Resolve links: $0 may be a link
PRG="$0"
Need this for relative symlinks.
while
```

```

[-h "$PRG"] ; do
 ls=`ls -ld "$PRG"`
 link=`expr "$ls" : '.*-> \(.*)$'`
 if expr "$link" : '/.*' > /dev/null; then
 PRG="$link"
 else
 PRG=`dirname "$PRG"`"/$link"
 fi
done
SAVED="`pwd`"
cd "`dirname \"$PRG\"`/" >/dev/null
APP_HOME="`pwd -P`"
cd "$SAVED" >/dev/null

APP_NAME="Gradle"
APP_BASE_NAME=`basename "$0"`

Add default JVM options here. You can also use JAVA_OPTS and GRADLE_OPTS to pass JVM options to this
script.
DEFAULT_JVM_OPTS="-Xmx64m" "-Xms64m"

Use the maximum available, or set MAX_FD != -1 to use that value.
MAX_FD="maximum"

warn () {
 echo "$*"
}

die () {
 echo
 echo "$*"
 echo
 exit 1
}

OS specific support (must be 'true' or 'false').
cygwin=false
msys=false
darwin=false
nonstop=false
case "`uname`" in
 CYGWIN*)
 cygwin=true
 ;;
 Darwin*)
 darwin=true
 ;;
 MINGW*)

```

```

msys=true
;;
NONSTOP*)
 nonstop=true
 ;;
esac

```

```

CLASSPATH=$APP_HOME/gradle/wrapper/gradle-wrapper.jar

```

```

Determine
the Java command to use to start the JVM.
if [-n "$JAVA_HOME"] ; then
 if [-x "$JAVA_HOME/jre/sh/java"] ; then
 # IBM's JDK on AIX uses strange locations for the executables
 JAVACMD="$JAVA_HOME/jre/sh/java"
 else
 JAVACMD="$JAVA_HOME/bin/java"
 fi
 if [! -x "$JAVACMD"] ; then
 die "ERROR: JAVA_HOME is set to an invalid directory: $JAVA_HOME

```

Please set the JAVA\_HOME variable in your environment to match the location of your Java installation."

```

 fi
else
 JAVACMD="java"
 which java >/dev/null 2>&1 || die "ERROR: JAVA_HOME is not set and no 'java' command could be found in
your PATH.

```

Please set the JAVA\_HOME variable in your environment to match the location of your Java installation."

```

fi

Increase the maximum file descriptors if we can.
if ["$cygwin" = "false" -a "$darwin" = "false" -a "$nonstop" = "false"] ; then
 MAX_FD_LIMIT=`ulimit -H -n`
 if [$? -eq 0] ; then
 if ["$MAX_FD" = "maximum" -o "$MAX_FD" = "max"
] ; then
 MAX_FD="$MAX_FD_LIMIT"
 fi
 ulimit -n $MAX_FD
 if [$? -ne 0] ; then
 warn "Could not set maximum file descriptor limit: $MAX_FD"
 fi
else
 warn "Could not query maximum file descriptor limit: $MAX_FD_LIMIT"
fi

```

fi

```
For Darwin, add options to specify how the application appears in the dock
if $darwin; then
```

```
 GRADLE_OPTS="$GRADLE_OPTS \"-Xdock:name=$APP_NAME\\""
 Xdock:icon=$APP_HOME/media/gradle.icns\\""
fi
```

```
For Cygwin or MSYS, switch paths to Windows format before running java
if ["$cygwin" = "true" -o "$msys" = "true"]; then
```

```
 APP_HOME=`cygpath --path --mixed "$APP_HOME"`
 CLASSPATH=`cygpath --path --mixed "$CLASSPATH"`
 JAVACMD=`cygpath --unix "$JAVACMD"`
```

```
We build the pattern for arguments to be converted via cygpath
```

```
ROOTDIRSRAW=`find -L / -maxdepth 1 -mindepth 1 -type d 2>/dev/null`
SEP=""
```

```
for dir in $ROOTDIRSRAW ; do
 ROOTDIRS="$ROOTDIRS$SEP$dir"
 SEP="|"
done
```

```
OURCYGPATTERN="(^($ROOTDIRS))"
Add a user-defined pattern to the cygpath arguments
```

```
if ["$GRADLE_CYGPATTERN" != ""]; then
 OURCYGPATTERN="$OURCYGPATTERN|($GRADLE_CYGPATTERN)"
fi
```

```
Now convert the arguments - kludge to limit ourselves to /bin/sh
i=0
```

```
for arg in "$@" ; do
 CHECK=`echo "$arg"|egrep -c "$OURCYGPATTERN" -`
 CHECK2=`echo "$arg"|egrep -c "^-"` ### Determine if an option
```

```
if [$CHECK -ne 0] && [$CHECK2 -eq 0] ; then ### Added a condition
```

```
 eval `echo args$i`=`cygpath --path --ignore --mixed "$arg"`
else
```

```
 eval `echo args$i`="\"$arg\""
```

```
fi
i=`expr $i + 1`
```

```
done
```

```
case $i in
```

```
0) set -- ;;
1) set -- "$args0" ;;
2) set -- "$args0" "$args1" ;;
3) set -- "$args0" "$args1" "$args2" ;;
4) set -- "$args0" "$args1" "$args2" "$args3" ;;
5) set -- "$args0" "$args1" "$args2" "$args3"
```

```
"$args4" ;;
 6) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" ;;
 7) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" ;;
 8) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" "$args7" ;;
 9) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" "$args7" "$args8" ;;
esac
fi
```

# Escape application args

```
save () {
 for i do printf %s\n "$i" | sed "s/'/\\'/g;1s/^/';\\$s\\$/' \\\" ; done
 echo " "
}
APP_ARGS=`save "$@"`
```

```
Collect all arguments for the java command, following the shell quoting and substitution rules
eval set -- $DEFAULT_JVM_OPTS $JAVA_OPTS $GRADLE_OPTS "\-
Dorg.gradle.appname=$APP_BASE_NAME\" -classpath \"$CLASSPATH\"
org.gradle.wrapper.GradleWrapperMain \"$APP_ARGS"
```

```
exec "$JAVACMD" "$@"
```

Found in path(s):

\* /template-66-zip/template/android/gradlew

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```

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```

```
*
```

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```

```
*/
```

Found in path(s):

\* /template-66-zip/template/android/app/src/debug/java/com/helloworld/ReactNativeFlipper.java

# 1.409 anser 1.4.10

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# 1.469 nanomatch 1.2.13

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## 1.545 es-array-method-boxes-properly 1.0.0

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## 1.550 @babel/plugin-syntax-dynamic-import

### 7.8.3

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# 1.552 @babel/plugin-syntax-export-namespace-from 7.8.3

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## 1.765 @cspotcode/source-map-support 0.8.1

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## 1.769 @babel/plugin-proposal-unicode-property-regex 7.18.6

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## 1.770 @babel/plugin-proposal-optional-catch-binding 7.18.6



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## 1.773 babel-plugin-proposal-nullish-coalescing-operator 7.18.6

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# 1.786 @jest/expect-utils 28.1.3

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## 1.842 gopkg.in-ini 1.67.0

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## 1.890 @react-native-community/cli-server-api

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# 1.891 @react-native-community/cli-tools 9.2.1

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# 1.892 uglify-js 3.17.4

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# 1.897 react-devtools-core 4.24.0

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sFromTransportDecimalBitmask","laneBitmaskString","laneBitmask","lanes","powersOfTwo","profilerVersion","markWorkStarted","currentProfilerData","measureStack","depth","getDepth","lane","laneToReactMeasureMap","markWorkCompleted","processTimelineEvent","cat","ph","profilerData","snapshot","image","imageSource","resolveFn","asyncProcessingPromises","fetch","response","blob","createImageBitmap","bitmap","snapshots","processScreenshots","stackTrace","includes","dur","nativeEventStack","prevNativeEvent","nativeEvent","warning","nativeEvents","processEventDispatch","requestId","networkMeasure","requestIdToNetworkMeasureMap","finishTimestamp","firstReceivedDataTimestamp","lastReceivedDataTimestamp","processResourceFinish","processResourceReceivedData","receiveResponseTimestamp","processResourceReceiveResponse","availableDepths","fill","requestMethod","priority","sendRequestTimestamp","networkMeasures","processResourceSendRequest","reactVersion","substr","versionString","laneLabelTuplesString","laneToLabelMap","laneLabelTuples","laneIndex","updateLaneToLabelMap","componentName","assertNoOverlappingComponentMeasure","currentReactComponentMeasure","assertCurrentComponentMeasureType","componentMeasure","componentMeasures","processReactComponentMeasure","schedulingEvents","forceUpdateEvent","potentialLongNestedUpdate","stateUpdateEvent","phase","thrownErrors","promiseName","unresolvedSuspenseEvents","suspenseEvent","resolution","potentialSuspenseEventsOutsideOfTransition","suspenseEvents","nextRenderShouldGenerateNewBatchID","uidCounter","potentialLongNestedUpdates","lastIndex","throwIfIncomplete","getLastType","potentialLongEvents","stackFrameStart","internalModuleStackStringSet","parsedStackFrameStart","parseStackFrame","internalModuleCurrentStackFrame","stackFrameStop","parsedStackFrameStop","range","ranges","internalModuleSourceToRanges","otherUserTimingMarks","JSON","stringify","stackFrame","ErrorStackParser","preprocessData","timeline","flamechart","rawData","parsedData","errorToRethrow","SpeedscopeFlamechart","layer","scriptUrl","locationLine","locationColumn","preprocessFlamechart","snapshotHeight","indexOfProfileEvent","findIndex","schedulingEvent","some","all","importFile","readFile","endsWith","fileReader","FileReader","onload","onerror","readAsText","readInputData","status","processedData"],"mappings":"aACE,IAAIA,EAAMb,GAGvB,SAASC,EAABc,GAG5B,GAAGF,EAABiE,GACnB,OAAOF,EAABiE,GAAUC,QAGnC,IAAIC,EAASJ,EAABiE,GAAY,CACzCG,EAAGH,EACHI,GAAG,EACHH,QAAS,IAUV,OANAI,EAACL,GAAUM,KAAKJ,EAABD,QAASC,EAACA,EAABD,QAASF,GAG/DG,EAABE,GAAL,EAGJF,EAABD,QAKfF,EAABQ,EAABF,EAGxBN,EAABsB,EAABV,EAGxBC,EAABuB,EAAL,SAASR,EAASS,EAAMC,GAC3CZ,EAABa,EAAX,EAASS,IACICG,OAAOC,eAAeb,EAASS,EAAM,CAAEK,YAAY,EAAMC,IAAKL,KAKhEZ,EAABkB,EAAL,SAAShB,GACX,oBAAXiB,QAA0BA,OAAOC,aAC1CN,OAAOC,eAAeb,EAASiB,OAAOC,YAAa,CAAEK,MAAO,WAE7DP,OAAOC,eAAeb,EAAS,aAAc,CAAEb,OAAO,KAQvDrB,EAABsB,EAAL,SAASD,EAABE,GAEvC,GADU,EAAPA,IAAUf,EAABqB,IAc/B,EAABE,EAABU,OAAOF,EACpB,GAAW,EAABE,GAAB8,iBAAVF,GAAsBA,GAASA,EAAMG,WAAY,OAAOH,EACHf,IAAII,EAABKX,OAAOY,OAAO,MAGvB,GAFA1B,EAABkB,EAABEO,GACtBX,OAAOC,eAAeU,EAAL,UAAW,CAAEt,YAAY,EAAMK,MAAOA,IACtD,EAABE,GAAB4,iBAATF,EAAMb,IAAL,IAAIM,KAAON,EAABrB,EAABuB,EAABe,EAABE,EAABK,SAASA,GAABO,OAAON,EAAMM,IAAQC,KAAK,KAAmD,IAC9I,OAAOF,GAIRzB,EAAB6B,EAAL,SAAS1B,GACbC,IAAIS,EAASf,GAABU,EAABQb,WAC7B,WAAwB,OAAOrB,EAABgB,SAC/C,WAA8B,OAAOA,GAEtC,OADAH,EAABuB,EAABE,EAABQ,IAAKA,GAC5BA,GAIRZ,EAABa,EAAL,SAASiB,EAABQ,GAAY,OAAOjB,OAAOkB,UAAUC,eAAe1B,KAAKuB,EAABQ,IAGzG/B,EAABkB,EAAL,GAJbIC,EAABa,EAABmC,EAAL,I,+BCjFrDrB,OAAOC,eAAeb,EAAS,aAAc,CAAEb,OAAO,IACtDnB,EAABkC,aAAeI,EAABmC,WAAanC,EAABQoC,mBAABpB,EAABQc,yBAAB2BrC,EAABQsC,2BAAB6BtC,EAABQuC,KAAOvC,EAABQwC,aAAexC,EAABQyC,SAAWzC,EAABQ0C,MAAQ1C,EAABQ2C,cAAgB3C,EAABQ4C,QAAU5C,EAABQ6C,SAAW7C,EAABQ8C,UAAAY9C,EAABQ+C,MAAQ/C,EAABQgD,SAAWhD,EAABQiD,WAAajD,EAABQkD,UAAAYID,EAABQmD,YAAcnD,EAABQoD,OAASpD,EAABQqD,YAAS,EAL/arD,EAABQqD,OAHR,SAAGBC,GACZ,OAAOA,EAAGA,EAAGC,OAAS,IAAM,MAWhCvD,EAABQoD,OARR,SAAGBE,EAAB7B,GAMhB6B,EAAGE,MALH,SAAoBC,EAAGC,GACnB,MAAMC,EAABOIC,EAABIGC,GACXG,EAABOnC,EAABiC,GACjB,OAAOC,EAABOC,GAAQ,EAABID,EAABOC,EAABO,EAAI,MAUpD5D,EAABQmD,YALR,SAAqBU,EAABK,EAAGC,GAGzB,OAFKF,EAABIG,IAABF,IACtD,EAABII,IAAIH,EAAGC,EAASD,IACjBD,EAAB9C,IAAI+C,IAQnB9D,EAABQkD,UALR,SAAmBW,EAABK,EAAGC,GACvB,OAABK,EAABIG,IAABF,GAEND,EAAB9C,IAAI+C,GADJC,EAASD,IAUxB9D,EAABQiD,WANR,SAAoBY,EAABK,GACrB,IAABK,EAABIG,IAABF,GACT,MAAM,IAABII,MAAO,gBAABeJ,GAEPc,OAAOD,EAAB9C,IAAI+C,I

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,wBACR3IB,SAGK,CACL2IB,OAAQ,mBACR3IB,W","file":"importFile.worker.worker.js","sourcesContent":["
\t// The module cache\n\tvar installedModules = {};\n\n\t// The require function\n\tfunction
__webpack_require__(moduleId) {\n\n\t\t// Check if module is in cache\n\t\tif(installedModules[moduleId]) {\n
\t\t\treturn installedModules[moduleId].exports;\n\t\t}\n\t\t// Create a new module (and put it into the cache)\n
\t\tvar module = installedModules[moduleId] = {\n\t\t\tid: moduleId,\n\t\t\tloaded: false,\n\t\t\texports: {};\n\t\t};\n\n\t\t// Execute the module function\n\t\tmodules[moduleId].call(module.exports, module, module.exports,
__webpack_require__);\n\n\t\t// Flag the module as loaded\n\t\tmodule.l = true;\n\n\t\t// Return the exports of the
module\n\t\treturn module.exports;\n\t}\n\n\t// expose
the modules object (__webpack_modules__)\n\t__webpack_require__.m = modules;\n\n\t// expose the module
cache\n\t__webpack_require__.c = installedModules;\n\n\t// define getter function for harmony exports\n
\t__webpack_require__.d = function(exports, name, getter) {\n\t\tif(!__webpack_require__.o(exports, name)) {\n
\t\t\tObject.defineProperty(exports, name, { enumerable: true, get: getter });\n\t\t}\n\t}\n\n\t// define __esModule
on exports\n\t__webpack_require__.r = function(exports) {\n\t\tif(typeof Symbol !== 'undefined' &
Symbol.toStringTag) {\n\t\t\tObject.defineProperty(exports, Symbol.toStringTag, { value: 'Module' });\n\t\t}\n
\t\tObject.defineProperty(exports, '__esModule', { value: true });\n\t}\n\n\t// create a fake namespace object\n\t//
mode & 1: value is a module id, require it\n\t// mode & 2: merge all properties of value into the ns\n\t// mode & 4:
return value when already ns object\n\t// mode & 8|1: behave like require\n\t__webpack_require__.t
= function(value, mode) {\n\t\tif(mode & 1) value = __webpack_require__(value);\n\t\tif(mode & 8) return
value;\n\t\tif((mode & 4) && typeof value === 'object' && value && value.__esModule) return value;\n\t\tvar ns
= Object.create(null);\n\t\t__webpack_require__.r(ns);\n\t\tObject.defineProperty(ns, 'default', { enumerable: true,
value: value });\n\t\tif(mode & 2 && typeof value !== 'string') for(var key in value) __webpack_require__.d(ns, key,
function(key) { return value[key]; }.bind(null, key));\n\t\treturn ns;\n\t}\n\n\t// getDefaultExport function for
compatibility with non-harmony modules\n\t__webpack_require__.n = function(module) {\n\t\tvar getter = module
&& module.__esModule ?\n\t\t\tfunction getDefault() { return module['default']; } :\n\t\t\tfunction
getModuleExports() { return module; }\n\t\t__webpack_require__.d(getter, 'a', getter);\n\t\treturn getter;\n\t}\n\n
\t// Object.prototype.hasOwnProperty.call\n\t__webpack_require__.o = function(object, property)
{\n\t\treturn Object.prototype.hasOwnProperty.call(object, property);\n\t}\n\n\t// __webpack_public_path__\n
\t__webpack_require__.p = \"\";\n\n\t// Load entry module and return exports\n\treturn
__webpack_require__(__webpack_require__.s = 13);"};","use strict";\nObject.defineProperty(exports,
```





already, so\n// until we run into problems with this, let's just use this.\n// See: [https://developer.mozilla.org/en-US/docs/Web/API/WindowBase64/Base64\\_encoding\\_and\\_decoding#The\\_Unicode\\_Problem#The\\_Unicode\\_Problem](https://developer.mozilla.org/en-US/docs/Web/API/WindowBase64/Base64_encoding_and_decoding#The_Unicode_Problem#The_Unicode_Problem)

```

function decodeBase64(encoded) {\n // Reference: https://www.rfc-editor.org/rfc/rfc4648.txt\n const lookupTable = base64lookupTable();\n // 3 byte groups are represented as sequences of 4 characters.\n // The encoding process represents 24-bit groups of input bits as output\n // strings of 4 encoded characters.\n // Special processing is performed if fewer than 24 bits are available\n // at the end of the data being encoded. A full encoding quantum is\n // always completed at the end of a quantity. When fewer than\n // 24 input\n // bits are available in an input group bits with value zero are added\n // (on the right) to form an integral number of 6-bit groups.\n if (encoded.length % 4 !== 0) {\n throw new Error(`Invalid length for\n    base64 encoded string. Expected length % 4 = 0, got length = ${encoded.length}`);\n }\n const quartetCount =\n encoded.length / 4;\n let byteCount;\n // Special processing is performed if fewer than 24 bits are available\n // at the\n end of the data being encoded. A full encoding quantum is\n // always completed at the end of a quantity. When\n fewer than 24 input\n // bits are available in an input group, bits with value zero are added\n // (on the right) to\n form an integral number of 6-bit groups. Padding\n // at the end of the data is performed using the '=' character.\n Since\n // all base 64 input is an integral number of octets, only the following\n // cases can arise:\n // (1)\n The final quantum of encoding input is an integral multiple of 24\n // bits; here, the final unit of encoded output\n will be an integral\n // multiple of 4 characters with no '=' padding.\n // (2)\n The final quantum of\n encoding input is exactly 8 bits; here, the\n // final unit of encoded output will be two characters followed by\n // two '=' padding characters.\n // (3)\n The final quantum of encoding input is exactly 16 bits; here, the\n // final unit\n of encoded output will be three characters followed by\n // one '=' padding character.\n if (encoded.length\n >= 4) {\n if (encoded.charAt(encoded.length - 1) === '=') {\n if (encoded.charAt(encoded.length - 2) ===\n '=') {\n // Case (2)\n byteCount = quartetCount * 3 - 2;\n } else {\n //\n Case (3)\n byteCount = quartetCount * 3 - 1;\n }\n } else {\n // Case (1)\n byteCount = quartetCount * 3;\n }\n } else {\n // Case (1)\n byteCount = quartetCount * 3;\n }\n const bytes = new Uint8Array(byteCount);\n let offset = 0;\n for (let i = 0; i < quartetCount; i++) {\n const\n enc1 = encoded.charAt(i * 4 + 0);\n const enc2 = encoded.charAt(i * 4 + 1);\n const enc3 =\n encoded.charAt(i * 4 + 2);\n const enc4 = encoded.charAt(i * 4 + 3);\n const sextet1 =\n lookupTable.get(enc1);\n const sextet2 = lookupTable.get(enc2);\n const sextet3 = lookupTable.get(enc3);\n const sextet4 =\n lookupTable.get(enc4);\n if (sextet1 === null || sextet2 === null || sextet3 === null || sextet4 === null) {\n throw new Error(`Invalid quartet at indices ${i * 4} .. ${i * 4 + 3}: ${encoded.substring(i * 4, i * 4 + 3)}`);\n }\n bytes[offset++] = (sextet1 << 2) | (sextet2 >> 4);\n if (enc3 !== '=') {\n bytes[offset++] =\n ((sextet2 & 15) << 4) | (sextet3 >> 2);\n }\n if (enc4 !== '=') {\n bytes[offset++] = ((sextet3 & 7) <<\n 6) | sextet4;\n }\n if (offset !== byteCount) {\n throw new Error(`Expected to decode ${byteCount}\n      bytes, but only decoded ${offset}`);\n }\n return bytes;\n }\n exports.decodeBase64 = decodeBase64;\n "use\n strict";\n var __createBinding = (this && this.__createBinding) || (Object.create ? (function(o, m, k, k2) {\n if (k2\n === undefined)\n k2 = k;\n Object.defineProperty(o, k2, { enumerable: true, get: function() { return m[k]; } });\n }) : (function(o, m, k, k2) {\n if (k2 === undefined) k2 = k;\n o[k2] = m[k];\n }));\n var __exportStar = (this && this.__exportStar) ||\n function(m, exports) {\n for (var p in m) if (p !== 'default' && !exports.hasOwnProperty(p))\n __createBinding(exports, m, p);\n }\n Object.defineProperty(exports, '__esModule', { value: true\n });\n __exportStar(require("./import/chrome"), exports);\n __exportStar(require("./lib/flamechart"),\n exports);\n "use strict";\n Object.defineProperty(exports, '__esModule', { value: true\n });\n exports.ByteFormatter = exports.TimeFormatter = exports.RawValueFormatter = void 0;\n const utils_1 =\n require("./utils");\n class RawValueFormatter {\n constructor() {\n this.unit = 'none';\n }\n format(v) {\n return v.toLocaleString();\n }\n }\n exports.RawValueFormatter = RawValueFormatter;\n class TimeFormatter {\n
```

```

 constructor(unit)
 {
 this.unit = unit;
 if (unit === 'nanoseconds') this.multiplier = 1e-9;
 else if (unit === 'microseconds') this.multiplier = 1e-6;
 else if (unit === 'milliseconds') this.multiplier = 1e-3;
 else this.multiplier = 1;
 }
 formatUnsigned(v) {
 const s = v * this.multiplier;
 if (s / 60 >= 1) {
 const minutes = Math.floor(s / 60);
 const seconds = Math.floor(s - minutes * 60);
 return `${minutes}:${utils_1.zeroPad(seconds, 2)}`;
 }
 if (s / 1 >= 1) return `${s.toFixed(2)}s`;
 if (s / 1e-3 >= 1) return `${(s / 1e-3).toFixed(2)}ms`;
 if (s / 1e-6 >= 1) return `${(s / 1e-6).toFixed(2)}µs`;
 else return `${(s / 1e-9).toFixed(2)}ns`;
 }
 format(v) {
 return `${v < 0 ? '-' : ''}${this.formatUnsigned(Math.abs(v))}`;
 }
}
exports.TimeFormatter = TimeFormatter;
class ByteFormatter {
 constructor() {
 this.unit = 'bytes';
 }
 format(v) {
 if (v < 1024) return `${v.toFixed(0)} B`;
 v /= 1024;
 if (v < 1024) return `${v.toFixed(2)} KB`;
 v /= 1024;
 if (v < 1024) return `${v.toFixed(2)} MB`;
 v /= 1024;
 return `${v.toFixed(2)} GB`;
 }
}
exports.ByteFormatter = ByteFormatter;
(function(root, factory) {
 'use strict';
 // Universal Module Definition (UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.
 /* istanbul ignore next */
 if (typeof define === 'function' && define.amd) {
 define('error-stack-parser', ['stackframe'], factory);
 } else if (typeof exports === 'object') {
 module.exports = factory(require('stackframe'));
 } else {
 root.ErrorStackParser = factory(root.StackFrame);
 }
})(this, function ErrorStackParser(StackFrame) {
 'use strict';
 var FIREFOX_SAFARI_STACK_REGEXP = /(^\s*)@S+:\s\d+;/;
 var CHROME_IE_STACK_REGEXP = /\s*at\s*(.*)\s*\((native)\)/m;
 var SAFARI_NATIVE_CODE_REGEXP = /^(eval@)?(\s*\([native code]\)?\s*)$/;
 return {
 /**
 * Given an Error object, extract the most information from it.
 * @param {Error} error object
 * @return {Array} of StackFrames
 */
 parse: function ErrorStackParser$parse(error) {
 if (typeof error.stacktrace !== 'undefined' || typeof error['opera#sourceloc'] !== 'undefined') {
 return this.parseOpera(error);
 } else if (error.stack && error.stack.match(CHROME_IE_STACK_REGEXP)) {
 return this.parseV8OrIE(error);
 } else if (error.stack) {
 return this.parseFFOrSafari(error);
 } else {
 throw new Error('Cannot parse given Error object');
 }
 },
 // Separate line and column numbers from a string of the form: (URI:Line:Column)
 extractLocation: function ErrorStackParser$extractLocation(urlLike) {
 // Fail-fast but return locations like "(native)"
 if (urlLike.indexOf(':') === -1) {
 return [urlLike];
 }
 var regExp = /(.(+)?(?:\s*\(\s*\d+\s*\))?(?:\s*\(\s*\d+\s*\))?$/;
 var parts = regExp.exec(urlLike.replace(/[\s]/g, ''));
 return [parts[1], parts[2] || undefined, parts[3] || undefined];
 },
 parseV8OrIE: function ErrorStackParser$parseV8OrIE(error) {
 var filtered = error.stack.split('\n').filter(function(line) {
 return !!line.match(CHROME_IE_STACK_REGEXP);
 }, this);
 return filtered.map(function(line) {
 if (line.indexOf('(eval ') > -1) {
 // Throw away eval information until we implement stacktrace.js/stackframe#8
 line = line.replace(/eval code/g, 'eval').replace(/\s*\((eval at \s*\[^\s*\])\s*\)\s*,\s*$/g, '');
 }
 var sanitizedLine = line.replace(/\s*\s+/, '').replace(/\s*\((eval code/g, '(');
 // capture and preserve the parenthesized location
 var location = sanitizedLine.match(/\s*\((.+):\s*\d+\s*\)\s*$/);
 // remove the parenthesized location from the line, if it was matched
 sanitizedLine = location ? sanitizedLine.replace(location[0], '') : sanitizedLine;
 var tokens = sanitizedLine.split(/\s+/.slice(1));
 // if a location was matched, pass it to extractLocation() otherwise pop the last token
 var locationParts = this.extractLocation(location ? location[1] : tokens.pop());
 var functionName = tokens.join('') || undefined;
 var fileName = ['eval', '<anonymous>'].indexOf(locationParts[0]) > -1 ? undefined : locationParts[0];
 return new StackFrame({
 fileName: fileName,
 functionName: functionName,
 line: locationParts[1],
 column: locationParts[2]
 });
 });
 }
 };
});

```

```

fileName: locationParts[0],\n lineNumber: locationParts[1],\n\n source: line\n });\n}, this);\n}, \n\n parseFFOrSafari: function
ErrorStackParser$$parseFFOrSafari(error) {\n var filtered = error.stack.split("\n").filter(function(line) {\n return !line.match(SAFARI_NATIVE_CODE_REGEXP);\n }, this);\n\n return
filtered.map(function(line) {\n // Throw away eval information until we implement
stacktrace.js/stackframe#8\n if (line.indexOf(' > eval') > -1) {\n line = line.replace(/
(\\d+)(?: > eval| \\d+)* > eval:\\d+:\\d+/g,
'$1');\n }\n if (line.indexOf('@') === -1 && line.indexOf(':') === -1) {\n // Safari
eval frames only have function names and nothing else\n return new StackFrame({\n functionName: line,\n });\n } else {\n var functionNameRegex =
/(\\.([^\"]|[\"^@]*?[@])*)(?:\\/)/;\n var matches = line.match(functionNameRegex);\n var
functionName = matches && matches[1] ? matches[1] : undefined;\n var locationParts =
this.extractLocation(line.replace(functionNameRegex, ''));\n return new StackFrame({\n functionName: functionName,\n fileName: locationParts[0],\n lineNumber:
locationParts[1],\n columnNumber: locationParts[2],\n source: line\n });\n }, this);\n }, \n\n parseOpera: function ErrorStackParser$$parseOpera(e) {\n if
(!e.stacktrace || (e.message.indexOf('\n') > -1 &&
e.message.split('\n').length >
e.stacktrace.split('\n').length)) {\n return this.parseOpera9(e);
 } else if (!e.stack) {\n return this.parseOpera10(e);\n } else {\n return this.parseOpera11(e);\n }\n }, \n\n parseOpera9: function ErrorStackParser$$parseOpera9(e) {\n var lineRE = /Line (\\d+).*script(?:in
)?(\\S+)/i;\n var lines = e.message.split('\n');\n var result = [];\n for (var i = 2, len =
lines.length; i < len; i += 2) {\n var match = lineRE.exec(lines[i]);\n if (match) {\n result.push(new StackFrame({\n fileName: match[2],\n lineNumber: match[1],\n source: lines[i]\n }));\n }\n }\n return result;\n }, \n\n parseOpera10: function ErrorStackParser$$parseOpera10(e) {\n var lineRE = /Line (\\d+).*script(?:in
)?(\\S+)?(?: In function (\\S+))?$/i;\n var lines = e.stacktrace.split('\n');\n var result = [];\n for
(var i = 0, len = lines.length; i < len; i += 2) {\n var match = lineRE.exec(lines[i]);\n if (match)
{\n result.push(\n new StackFrame({\n functionName: match[3] ||
undefined,\n fileName: match[2],\n lineNumber: match[1],\n source: lines[i]\n })\n);\n }\n }\n return result;\n }, \n\n Opera 10.65+ Error.stack very similar

to FF/Safari\n parseOpera11: function ErrorStackParser$$parseOpera11(error) {\n var filtered =
error.stack.split('\n').filter(function(line) {\n return !!line.match(FIREFOX_SAFARI_STACK_REGEXP)\n && !line.match(/^Error created at/);\n }, this);\n return filtered.map(function(line) {\n var
tokens = line.split('@');\n var locationParts = this.extractLocation(tokens.pop());\n var
functionCall = (tokens.shift() || '');\n var functionName = functionCall.
.replace(</>
```

```

of this source tree.\n */\n\nvar runtime = (function (exports) {\n \"use strict\";\n\n var Op = Object.prototype;\n var hasOwn = Op.hasOwnProperty;\n var undefined; // More compressible than void 0.\n var $Symbol = typeof\n Symbol === \"function\" ? Symbol : {};\n var iteratorSymbol = $Symbol.iterator || \"@@iterator\";\n var\n asyncIteratorSymbol = $Symbol.asyncIterator || \"@@asyncIterator\";\n var toStringTagSymbol =\n $Symbol.toStringTag || \"@@toStringTag\";\n\n function define(obj, key, value) {\n Object.defineProperty(obj,\n key, {\n value: value,\n enumerable: true,\n configurable: true,\n writable: true\n });\n return\n obj[key];\n }\n try {\n // IE 8 has a broken Object.defineProperty that only works on DOM objects.\n define({},\n \"\");\n } catch (err) {\n define = function(obj, key, value) {\n return obj[key] = value;\n }; \n }\n\n function\n wrap(innerFn, outerFn, self, tryLocsList) {\n // If outerFn provided and outerFn.prototype\n is a Generator, then outerFn.prototype instanceof Generator.\n var protoGenerator = outerFn &&\n outerFn.prototype instanceof Generator ? outerFn : Generator;\n var generator =\n Object.create(protoGenerator.prototype);\n var context = new Context(tryLocsList || []);\n\n // The ._invoke\n method unifies the implementations of the .next,\n // .throw, and .return methods.\n generator._invoke =\n makeInvokeMethod(innerFn, self, context);\n\n return generator;\n }\n exports.wrap = wrap;\n\n // Try/catch\n helper to minimize deoptimizations. Returns a completion\n // record like context.tryEntries[i].completion. This\n interface could\n // have been (and was previously) designed to take a closure to be\n // invoked without arguments,\n but in all the cases we care about we\n // already have an existing method we want to call, so there's no need\n // to\n create a new function object. We can even get away with assuming\n // the method takes exactly one argument,\n since that\n happens to be true\n // in every case, so we don't have to touch the arguments object. The\n // only additional\n allocation required is the completion record, which\n // has a stable shape and so hopefully should be cheap to\n allocate.\n function tryCatch(fn, obj, arg) {\n try {\n return { type: \"normal\", arg: fn.call(obj, arg) };\n }\n catch (err) {\n return { type: \"throw\", arg: err };\n }\n }\n\n var GenStateSuspendedStart =\n \"suspendedStart\";\n var GenStateSuspendedYield = \"suspendedYield\";\n var GenStateExecuting =\n \"executing\";\n var GenStateCompleted = \"completed\";\n\n // Returning this object from the innerFn has the\n same effect as\n // breaking out of the dispatch switch statement.\n var ContinueSentinel = {};\n\n // Dummy\n constructor functions that we use as the .constructor and\n // .constructor.prototype properties for functions that\n return Generator\n // objects. For full spec compliance, you may wish to configure your\n // minifier\n not to mangle the names of these two functions.\n function Generator() {} \n function GeneratorFunction() {} \n\n function GeneratorFunctionPrototype() {} \n\n // This is a polyfill for %IteratorPrototype% for environments that\n // don't natively support it.\n var IteratorPrototype = {};\n IteratorPrototype[iteratorSymbol] = function () {\n return this;\n };\n\n var getProto = Object.getPrototypeOf;\n var NativeIteratorPrototype = getProto &&\n getProto(getProto(values([])));\n\n if (NativeIteratorPrototype && NativeIteratorPrototype !== Op &&\n hasOwn.call(NativeIteratorPrototype, iteratorSymbol)) {\n // This environment has a native %IteratorPrototype%;\n use it instead\n // of the polyfill.\n IteratorPrototype = NativeIteratorPrototype;\n }\n\n var Gp =\n GeneratorFunctionPrototype.prototype =\n Generator.prototype = Object.create(IteratorPrototype);\n\n GeneratorFunction.prototype = Gp.constructor = GeneratorFunctionPrototype;\n GeneratorFunctionPrototype.constructor\n = GeneratorFunction;\n GeneratorFunction.displayName = define(\n GeneratorFunctionPrototype,\n toStringTagSymbol,\n \"GeneratorFunction\" \n);\n\n // Helper for defining the .next, .throw, and .return methods\n of the\n // Iterator interface in terms of a single ._invoke method.\n function defineIteratorMethods(proto) {\n [\"next\", \"throw\", \"return\"].forEach(function(method) {\n define(proto, method, function(arg) {\n return this._invoke(method, arg);\n });\n });\n }\n\n exports.isGeneratorFunction = function(genFun) {\n var\n ctor = typeof genFun === \"function\" && genFun.constructor;\n return ctor\n ? ctor === GeneratorFunction\n ||\n // For the native GeneratorFunction constructor, the best we can\n // do is to check its .name property.\n (ctor.displayName || ctor.name) === \"GeneratorFunction\" \n : false;\n };\n\n exports.mark =\n function(genFun) {\n if (Object.setPrototypeOf)

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 Object.setPrototypeOf(genFun, GeneratorFunctionPrototype);\n } else {\n genFun.__proto__ =
GeneratorFunctionPrototype;\n define(genFun, toStringTagSymbol, "GeneratorFunction");\n }\n genFun.prototype = Object.create(Gp);\n return genFun;\n};\n\n // Within the body of any async function, `await
x` is transformed to\n // `yield regeneratorRuntime.awrap(x)`, so that the runtime can test\n // `hasOwn.call(value,
\"__await\")` to determine if the yielded value is\n // meant to be awaited.\n exports.awrap = function(arg) {\n
return { __await: arg };\n};\n\n function AsyncIterator(generator, PromiseImpl) {\n function invoke(method,
arg, resolve, reject) {\n var record = tryCatch(generator[method], generator, arg);\n if (record.type ===
\"throw\") {\n reject(record.arg);\n } else {\n var result = record.arg;\n var value = result.value;\n if (value &&\n typeof value === \"object\" &&\n
 hasOwn.call(value, \"__await\")) {\n return PromiseImpl.resolve(value.__await).then(function(value) {\n
 invoke(\"next\", value, resolve, reject);\n }, function(err) {\n invoke(\"throw\", err, resolve, reject);\n
 });\n }\n return PromiseImpl.resolve(value).then(function(unwrapped) {\n // When a yielded
Promise is resolved, its final value becomes\n // the .value of the Promise<{value,done}> result for the\n
// current iteration.\n result.value = unwrapped;\n resolve(result);\n }, function(error) {\n // If a
rejected Promise was yielded, throw the rejection back\n // into the async generator function so it can be
handled there.\n return invoke(\"throw\", error, resolve, reject);\n });\n }\n }\n\n var
previousPromise;\n\n function enqueue(method, arg) {\n function callInvokeWithMethodAndArg() {\n
return new PromiseImpl(function(resolve,
reject) {\n invoke(method, arg, resolve, reject);\n });\n }\n\n return previousPromise =\n // If
enqueue has been called before, then we want to wait until\n // all previous Promises have been resolved before
calling invoke,\n // so that results are always delivered in the correct order. If\n // enqueue has not been
called before, then it is important to\n // call invoke immediately, without waiting on a callback to fire,\n //
so that the async generator function has the opportunity to do\n // any necessary setup in a predictable way. This
predictability\n // is why the Promise constructor synchronously invokes its\n // executor callback, and why
async functions synchronously\n // execute code before the first await. Since we implement simple\n //
async functions in terms of async generators, it is especially\n // important to get this right, even though
it requires care.\n previousPromise ? previousPromise.then(\n callInvokeWithMethodAndArg,\n //
Avoid propagating failures to Promises returned by later\n // invocations of the iterator.\n
callInvokeWithMethodAndArg\n) : callInvokeWithMethodAndArg();\n }\n\n // Define the unified helper
method that is used to implement .next,\n // .throw, and .return (see defineIteratorMethods).\n this._invoke =
enqueue;\n}\n\n defineIteratorMethods(AsyncIterator.prototype);\n AsyncIterator.prototype[asyncIteratorSymbol]
= function () {\n return this;\n};\n exports.AsyncIterator = AsyncIterator;\n\n // Note that simple async functions
are implemented on top of\n // AsyncIterator objects; they just return a Promise for the value of\n // the final result
produced by the iterator.\n exports.async = function(innerFn, outerFn, self, tryLocsList, PromiseImpl) {\n if
(PromiseImpl === void 0) PromiseImpl = Promise;\n\n var iter
= new AsyncIterator(\n wrap(innerFn, outerFn, self, tryLocsList),\n PromiseImpl\n);\n\n return
exports.isGeneratorFunction(outerFn)\n ? iter // If outerFn is a generator, return the full iterator.\n :
iter.next().then(function(result) {\n return result.done ? result.value : iter.next();\n });\n}\n\n function
makeInvokeMethod(innerFn, self, context) {\n var state = GenStateSuspendedStart;\n\n return function
invoke(method, arg) {\n if (state === GenStateExecuting) {\n throw new Error(\"Generator is already
running\");\n }\n\n if (state === GenStateCompleted) {\n if (method === \"throw\") {\n throw arg;\n
 }\n\n // Be forgiving, per 25.3.3.3.3 of the spec:\n // https://people.mozilla.org/~jorendorff/es6-
draft.html#sec-generatorresume\n return doneResult();\n }\n\n context.method = method;\n context.arg
= arg;\n\n while (true) {\n var delegate
= context.delegate;\n if (delegate) {\n var delegateResult = maybeInvokeDelegate(delegate, context);\n
 if (delegateResult) {\n if (delegateResult === ContinueSentinel) continue;\n return
delegateResult;\n }\n }\n if (context.method === \"next\") {\n // Setting context._sent for legacy support of
Babel's\n // function.sent implementation.\n context.sent = context._sent = context.arg;\n } else if

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(context.method === \"throw\") {\n if (state === GenStateSuspendedStart) {\n state =
GenStateCompleted;\n throw context.arg;\n }\n context.dispatchException(context.arg);\n } else if (context.method === \"return\") {\n context.abrupt(\"return\", context.arg);\n }\n state =
GenStateExecuting;\n var record = tryCatch(innerFn, self, context);\n if (record.type === \"normal\") {\n //
 If an exception is thrown from innerFn, we leave state ===\n // GenStateExecuting and loop back for another
 invocation.\n state = context.done\n ? GenStateCompleted\n : GenStateSuspendedYield;\n }
 if (record.arg === ContinueSentinel) {\n continue;\n }\n return {\n value: record.arg,\n done: context.done\n };
 } else if (record.type === \"throw\") {\n state =
GenStateCompleted;\n // Dispatch the exception by looping back around to the\n //
 context.dispatchException(context.arg) call above.\n context.method = \"throw\";\n context.arg =
record.arg;\n }\n }\n};\n}\n\n// Call delegate.iterator[context.method](context.arg) and handle the\n//
result, either by returning a { value, done } result from the\n// delegate iterator, or by modifying context.method
and context.arg,\n// setting context.delegate to
null, and returning the ContinueSentinel.\nfunction maybeInvokeDelegate(delegate, context) {\n var method =
delegate.iterator[context.method];\n if (method === undefined) {\n // A .throw or .return when the delegate
iterator has no .throw\n // method always terminates the yield* loop.\n context.delegate = null;\n if
(context.method === \"throw\") {\n // Note: [\"return\"] must be used for ES3 parsing compatibility.\n if
(delegate.iterator[\"return\"])\n // If the delegate iterator has a return method, give it a\n // chance to
 clean up.\n context.method = \"return\";\n context.arg = undefined;\n maybeInvokeDelegate(delegate, context);\n if (context.method === \"throw\") {\n // If
 maybeInvokeDelegate(context) changed context.method from\n // \"return\" to \"throw\", let that override the
 TypeError below.\n return ContinueSentinel;\n }\n }\n context.method = \"throw\";\n context.arg = new TypeError(\n \"The iterator does not provide a
 'throw' method\");\n return ContinueSentinel;\n }\n var record = tryCatch(method,
 delegate.iterator, context.arg);\n if (record.type === \"throw\") {\n context.method = \"throw\";\n context.arg = record.arg;\n context.delegate = null;\n return ContinueSentinel;\n }\n var info =
 record.arg;\n if (! info) {\n context.method = \"throw\";\n context.arg = new TypeError(\"iterator result is
 not an object\");\n context.delegate = null;\n return ContinueSentinel;\n }\n if (info.done) {\n //
 Assign the result of the finished delegate to the temporary\n // variable specified by delegate.resultName (see
 delegateYield).\n context[delegate.resultName] = info.value;\n // Resume execution at the desired location
 (see delegateYield).\n context.next = delegate.nextLoc;\n // If context.method was \"throw\" but the delegate handled the\n // exception, let the outer generator proceed
 normally. If\n // context.method was \"next\", forget context.arg since it has been\n // \"consumed\" by the
 delegate iterator. If context.method was\n // \"return\", allow the original .return call to continue in the\n //
 outer generator.\n if (context.method !== \"return\") {\n context.method = \"next\";\n context.arg =
 undefined;\n }\n } else {\n // Re-yield the result returned by the delegate method.\n return info;\n }\n // The delegate iterator is finished, so forget it and continue with\n // the outer generator.\n context.delegate = null;\n return ContinueSentinel;\n}\n\n// Define Generator.prototype.{next,throw,return} in
terms of the\n// unified ._invoke helper method.\ndefineIteratorMethods(Gp);\n\ndefine(Gp,
toStringTagSymbol, \"Generator\");\n\n// A Generator should
always return itself as the iterator object when the\n// @@iterator function is called on it. Some browsers'
implementations of the\n// iterator prototype chain incorrectly implement this, causing the Generator\n// object to
not be returned from this call. This ensures that doesn't happen.\n// See
https://github.com/facebook/regenerator/issues/274 for more details.\nGp[iteratorSymbol] = function() {\n return
this;\n};\nGp.toString = function() {\n return \"[object Generator]\";\n};\n\nfunction pushTryEntry(locs) {\n var entry = { tryLoc: locs[0] };
 if (1 in locs) {\n entry.catchLoc = locs[1];\n }\n if (2 in locs) {\n entry.finallyLoc = locs[2];\n entry.afterLoc = locs[3];\n }\n this.tryEntries.push(entry);\n}\n\nfunction

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resetTryEntry(entry) {\n var record = entry.completion || {};\n record.type = \"normal\";\n delete record.arg;\n entry.completion = record;\n}

function Context(tryLocsList) {\n
 // The root entry object (effectively a try statement without a catch\n // or a finally block) gives us a place to
 store values thrown from\n // locations where there is no enclosing try statement.\n this.tryEntries = [{ tryLoc:
 \"root\" }];\n tryLocsList.forEach(pushTryEntry, this);\n this.reset(true);\n}

exports.keys = function(object) {\n
 var keys = [];\n for (var key in object) {\n keys.push(key);\n }\n keys.reverse();\n\n // Rather than
 returning an object with a next method, we keep\n // things simple and return the next function itself.\n return
 function next() {\n while (keys.length) {\n var key = keys.pop();\n if (key in object) {\n next.value
 = key;\n next.done = false;\n return next;\n }\n }\n\n // To avoid creating an additional object,
 we just hang the .value\n // and .done properties off the next function object itself. This\n // also ensures that
 the minifier will not anonymize the function.\n next.done = true;\n return next;\n };\n};\n\nfunction
values(iterable) {\n if (iterable) {\n var iteratorMethod = iterable[iteratorSymbol];\n if (iteratorMethod) {\n
 return iteratorMethod.call(iterable);\n }\n\n if (typeof iterable.next === \"function\") {\n return
 iterable;\n }\n\n if (!isNaN(iterable.length)) {\n var i = -1, next = function next() {\n while (++i <
 iterable.length) {\n if (hasOwn.call(iterable, i)) {\n next.value = iterable[i];\n next.done =
 false;\n return next;\n }\n }\n\n next.value = undefined;\n next.done = true;\n
 return next;\n };\n\n return next.next = next;\n }\n\n // Return an iterator with no values.\n
 return { next: doneResult };\n }\n exports.values = values;\n\n function doneResult() {\n return
 { value: undefined, done: true };\n }\n\n Context.prototype = {\n constructor: Context,\n\n reset:
 function(skipTempReset) {\n this.prev = 0;\n this.next = 0;\n // Resetting context._sent for legacy support
 of Babel's\n // function.sent implementation.\n this.sent = this._sent = undefined;\n this.done = false;\n
 this.delegate = null;\n\n this.method = \"next\";\n this.arg = undefined;\n\n this.tryEntries.forEach(resetTryEntry);\n\n if (!skipTempReset) {\n for (var name in this) {\n // Not
 sure about the optimal order of these conditions:\n if (name.charAt(0) === \"t\" &&\n
 hasOwn.call(this, name) &&\n !isNaN(+name.slice(1))) {\n this[name] = undefined;\n }\n }\n }\n\n stop: function() {\n this.done = true;\n var rootEntry = this.tryEntries[0];\n var
 rootRecord = rootEntry.completion;\n if (rootRecord.type ===
 \"throw\") {\n throw rootRecord.arg;\n }\n return this.rval;\n },\n\n dispatchException:
 function(exception) {\n if (this.done) {\n throw exception;\n }\n var context = this;\n function
 handle(loc, caught) {\n record.type = \"throw\";\n record.arg = exception;\n context.next = loc;\n\n
 if (caught) {\n // If the dispatched exception was caught by a catch block,\n // then let that catch block
 handle the exception normally.\n context.method = \"next\";\n context.arg = undefined;\n }\n\n
 return !! caught;\n }\n\n for (var i = this.tryEntries.length - 1; i >= 0; --i) {\n var entry =
 this.tryEntries[i];\n var record = entry.completion;\n if (entry.tryLoc === \"root\") {\n // Exception
 thrown outside of any try block that could handle\n // it, so set the completion value of the entire function to\n
 //
 // throw the exception.\n return handle(\"end\");\n }\n if (entry.tryLoc <= this.prev) {\n var
 hasCatch = hasOwn.call(entry, \"catchLoc\");\n var hasFinally = hasOwn.call(entry, \"finallyLoc\");\n\n
 if (hasCatch && hasFinally) {\n if (this.prev < entry.catchLoc) {\n return handle(entry.catchLoc,
 true);\n } else if (this.prev < entry.finallyLoc) {\n return handle(entry.finallyLoc);\n }\n
 } else if (hasCatch) {\n if (this.prev < entry.catchLoc) {\n return handle(entry.catchLoc, true);\n }\n
 } else if (hasFinally) {\n if (this.prev < entry.finallyLoc) {\n return
 handle(entry.finallyLoc);\n }\n } else {\n throw new Error(\"try statement without catch or
 finally\");\n }\n }\n abrupt: function(type, arg) {\n for (var i = this.tryEntries.length
 - 1; i >= 0; --i) {\n var entry = this.tryEntries[i];\n if (entry.tryLoc <= this.prev &&\n
 hasOwn.call(entry, \"finallyLoc\") &&\n this.prev < entry.finallyLoc) {\n var finallyEntry = entry;\n
 break;\n }\n }\n if (finallyEntry &&\n (type === \"break\" ||\n type === \"continue\"))\n &&\n finallyEntry.tryLoc <= arg &&\n arg <= finallyEntry.finallyLoc) {\n // Ignore the finally entry
 }
 }
 }
 }
 }
 };
}

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if control is not jumping to a\n // location outside the try/catch block.\n finallyEntry = null;\n }\n\nvar record = finallyEntry ? finallyEntry.completion : {};\n record.type = type;\n record.arg = arg;\n\n if (finallyEntry) {\n this.method = \"next\";\n this.next = finallyEntry.finallyLoc;\n return ContinueSentinel;\n }\n\n return this.complete(record);\n },\n\n complete: function(record, afterLoc) {\n if (record.type === \"throw\") {\n throw record.arg;\n }\n\n if (record.type === \"break\") {\n record.type === \"continue\") {\n this.next = record.arg;\n } else if (record.type === \"return\") {\n this.rval = this.arg = record.arg;\n this.method = \"return\";\n this.next = \"end\";\n } else if (record.type === \"normal\" && afterLoc) {\n this.next = afterLoc;\n }\n\n return ContinueSentinel;\n },\n\n finish: function(finallyLoc) {\n for (var i = this.tryEntries.length - 1; i >= 0; --i) {\n var entry = this.tryEntries[i];\n if (entry.finallyLoc === finallyLoc) {\n this.complete(entry.completion, entry.afterLoc);\n resetTryEntry(entry);\n return ContinueSentinel;\n }\n }\n },\n\n \"catch\": function(tryLoc) {\n for (var i = this.tryEntries.length - 1; i >= 0; --i) {\n var entry = this.tryEntries[i];\n if (entry.tryLoc === tryLoc) {\n var record = entry.completion;\n if (record.type === \"throw\") {\n var thrown = record.arg;\n resetTryEntry(entry);\n }\n return thrown;\n }\n }\n\n // The context.catch method must only be called with a location\n // argument that corresponds to a known catch block.\n throw new Error(\"illegal catch attempt\");\n },\n\n delegateYield: function(iterable, resultName, nextLoc) {\n this.delegate = {\n iterator: values(iterable),\n resultName: resultName,\n nextLoc: nextLoc\n };\n\n if (this.method === \"next\") {\n // Deliberately forget the last sent value so that we don't\n // accidentally pass it on to the delegate.\n this.arg = undefined;\n }\n\n return ContinueSentinel;\n }\n };\n\n // Regardless of whether this script is executing as a CommonJS module\n // or not, return the runtime object so that we can\n declare the variable\n // regeneratorRuntime in the outer scope, which allows this module to be\n // injected easily by `bin/regenerator --include-runtime script.js`.\n return exports;\n\n // If this script is executing as a CommonJS module, use module.exports\n // as the regeneratorRuntime namespace. Otherwise create a new empty\n // object. Either way, the resulting object will be used to initialize\n // the regeneratorRuntime variable at the top of this file.\n typeof module === \"object\" ? module.exports : {}));\n\n ntry {\n regeneratorRuntime = runtime;\n } catch (accidentalStrictMode) {\n // This module should not be running in strict mode, so the above\n // assignment should always work unless something is misconfigured. Just\n // in case runtime.js accidentally runs in strict mode, we can escape\n // strict mode using a global Function call. This could conceivably fail\n // if a Content Security Policy forbids using Function, but in that case\n // the proper solution is to fix the accidental strict mode problem. If\n // you've misconfigured your bundler to force strict mode and applied a\n // CSP to forbid Function, and you're not willing to fix either of those\n // problems, please detail your unique predicament in a GitHub issue.\n Function(\"r\", \"regeneratorRuntime = r\")(runtime);\n }\n\n \"use strict\";\n Object.defineProperty(exports, \"__esModule\", { value: true });\n\n exports.importFromOldV8CpuProfile = exports.importFromChromeCpuProfile = exports.importFromChromeTimeline = exports.isChromeTimeline = void 0;\n const profile_1 = require(\"../lib/profile\");\n const utils_1 = require(\"../lib/utils\");\n const value_formatters_1 = require(\"../lib/value-formatters\");\n const v8cpuFormatter_1 = require(\"../v8cpuFormatter\");\n\n function isChromeTimeline(rawProfile) {\n if (!Array.isArray(rawProfile))\n return false;\n if (rawProfile.length < 1)\n return false;\n const first = rawProfile[0];\n if (!('pid' in first && 'tid' in first && 'ph' in first && 'cat' in first))\n return false;\n if (!rawProfile.find(e => e.name === 'CpuProfile' || e.name === 'Profile' || e.name === 'ProfileChunk'))\n return false;\n return true;\n }\n\n exports.isChromeTimeline = isChromeTimeline;\n\n function importFromChromeTimeline(events, fileName) {\n // It seems like sometimes Chrome timeline files contain multiple CpuProfiles?\n // For now, choose the first one in the list.\n const cpuProfileById = new Map();\n // Maps profile IDs (like \"0x3\") to pid/tid pairs formatted as \"${pid}:${tid}\"\n const pidTidById = new Map();\n // Maps pid/tid pairs to thread names\n const threadNameByPidTid = new Map();\n // The events aren't necessarily recorded in chronological order. Sort them so\n // that they are.\n utils_1.sortBy(events, e => e.ts);\n for (let event of events) {\n if

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(event.name === 'CpuProfile') {\n const pidTid = `${event.pid}:${event.tid}`;\n const id = event.id || pidTid;\n cpuProfileById.set(id, event.args.data.cpuProfile);\n pidTidById.set(id, pidTid);\n }\n if (event.name === 'Profile') {\n const pidTid = `${event.pid}:${event.tid}`;\n cpuProfileById.set(event.id || pidTid, Object.assign({ startTime: 0, endTime: 0, nodes: [], samples: [], timeDeltas: [] }, event.args.data));\n if (event.id) {\n pidTidById.set(event.id, `${event.pid}:${event.tid}`);\n }\n if (event.name === 'thread_name') {\n threadNameByPidTid.set(`${event.pid}:${event.tid}`, event.args.name);\n }\n if (event.name === 'ProfileChunk') {\n const pidTid = `${event.pid}:${event.tid}`;\n const cpuProfile = cpuProfileById.get(event.id || pidTid);\n if (cpuProfile) {\n const chunk = event.args.data;\n if (chunk.cpuProfile) {\n if (chunk.cpuProfile.nodes) {\n cpuProfile.nodes = cpuProfile.nodes.concat(chunk.cpuProfile.nodes);\n }\n if (chunk.cpuProfile.samples) {\n cpuProfile.samples = cpuProfile.samples.concat(chunk.cpuProfile.samples);\n }\n if (chunk.timeDeltas) {\n cpuProfile.timeDeltas = cpuProfile.timeDeltas.concat(chunk.timeDeltas);\n }\n if (chunk.startTime !== null) {\n cpuProfile.startTime = chunk.startTime;\n }\n if (chunk.endTime !== null) {\n cpuProfile.endTime = chunk.endTime;\n }\n else {\n console.warn('Ignoring ProfileChunk for undeclared Profile with id ${event.id || pidTid}');\n }\n }\n }\n if (cpuProfileById.size > 0) {\n const profiles = [];\n let indexToView = 0;\n utils_1.forEach(cpuProfileById.keys(), profileId => {\n let threadName = null;\n let pidTid = pidTidById.get(profileId);\n if (pidTid) {\n threadName = threadNameByPidTid.get(pidTid) || null;\n }\n if (threadName) {\n const profile = importFromChromeCPUProfile(cpuProfileById.get(profileId));\n if (threadName && cpuProfileById.size > 1) {\n profile.setName(`${fileName} - ${threadName}`);\n if (threadName === 'CrRendererMain') {\n indexToView = profiles.length;\n }\n else {\n profile.setName(`${fileName}`);\n }\n profiles.push(profile);\n }\n return { name: fileName, indexToView, profiles };\n }\n else {\n throw new Error('Could not find CPU profile in Timeline');\n }\n })\n }\n }\n }\n }\n}\n\nexports.importFromChromeTimeline = importFromChromeTimeline;\n\nconst callFrameToFrameInfo = new Map();\n\nfunction frameInfoForCallFrame(callFrame) {\n return utils_1.getOrInsert(callFrameToFrameInfo, callFrame, callFrame => {\n const name = callFrame.functionName || '(anonymous)';\n const file = callFrame.url;\n const line = callFrame.lineNumber;\n const col = callFrame.columnNumber;\n return {\n key: `${name}:${file}:${line}:${col}`,\n name,\n file,\n line,\n col,\n };\n });\n}\n\nfunction shouldIgnoreFunction(callFrame) {\n const { functionName, url } = callFrame;\n if (url === 'native dummy.js') {\n // I'm not really sure what this is about, but this seems to be used\n // as a way of avoiding edge cases in V8's implementation.\n // See: https://github.com/v8/v8/blob/b8626ca4/tools/js2c.py#L419-L424\n return true;\n }\n return functionName === '(root)' || functionName === '(idle)';\n}\n\nfunction shouldPlaceOnTopOfPreviousStack(functionName) {\n return functionName === '(garbage collector)' || functionName === '(program)';\n}\n\nfunction importFromChromeCPUProfile(chromeProfile) {\n const profile = new profile_1.CallTreeProfileBuilder(chromeProfile.endTime - chromeProfile.startTime);\n const nodeById = new Map();\n for (let node of chromeProfile.nodes) {\n nodeById.set(node.id, node);\n }\n for (let node of chromeProfile.nodes) {\n if (typeof node.parent === 'number') {\n node.parent = nodeById.get(node.parent);\n }\n if (!node.children) {\n continue;\n }\n for (let childId of node.children) {\n const child = nodeById.get(childId);\n if (!child) {\n continue;\n }\n child.parent = node;\n }\n }\n const samples = [];\n const sampleTimes = [];\n // The first delta is relative to the profile startTime.\n // Ref: https://github.com/v8/v8/blob/44bd8fd7/src/inspector/js_protocol.json#L1485\n let elapsed = chromeProfile.timeDeltas[0];\n // Prevents negative time deltas from causing bad data. See\n // https://github.com/jlfwong/speedscope/pull/305 for details.\n let lastValidElapsed = elapsed;\n let lastNodeId =

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NaN;\n // The chrome CPU profile format doesn't collapse identical samples. We'll do that\n // here to save a ton
of work later doing mergers.\n for (let i = 0; i < chromeProfile.samples.length; i++) {\n const nodeId =
chromeProfile.samples[i];\n if (nodeId !== lastNodeId) {\n samples.push(nodeId);\n if (elapsed <
lastValidElapsed) {\n sampleTimes.push(lastValidElapsed);\n }\n else {\n
sampleTimes.push(elapsed);\n lastValidElapsed = elapsed;\n }\n }\n if (i ===
chromeProfile.samples.length - 1) {\n if (!isNaN(lastNodeId)) {\n samples.push(lastNodeId);\n
 if (elapsed < lastValidElapsed) {\n sampleTimes.push(lastValidElapsed);\n }\n
 else {\n sampleTimes.push(elapsed);\n lastValidElapsed = elapsed;\n }\n
 }\n }\n else {\n const timeDelta = chromeProfile.timeDeltas[i + 1];\n elapsed += timeDelta;\n
 lastNodeId = nodeId;\n }\n }\n let prevStack = [];\n for (let i = 0; i < samples.length; i++) {\n
const value = sampleTimes[i];\n const nodeId = samples[i];\n let stackTop = nodeById.get(nodeId);\n
if (!stackTop)\n continue;\n // Find lowest common ancestor of the current stack and the previous one\n
 let lca = null;\n // This is O(n^2), but n should be relatively small here (stack height),\n // so hopefully this
isn't much of a problem\n for (lca = stackTop; lca &&
 prevStack.indexOf(lca) === -1; lca = shouldPlaceOnTopOfPreviousStack(lca.callFrame.functionName)\n ?
 utils_1.lastOf(prevStack)\n : lca.parent || null) {\n }\n // Close frames that are no longer open\n while
 (prevStack.length > 0 && utils_1.lastOf(prevStack) !== lca) {\n const closingNode = prevStack.pop();\n
const frame = frameInfoForCallFrame(closingNode.callFrame);\n profile.leaveFrame(frame, value);\n
 }\n // Open frames that are now becoming open\n const toOpen = [];\n for (let node = stackTop; node
&& node !== lca && !shouldIgnoreFunction(node.callFrame); \n // Place Chrome internal functions on top of the
previous call stack\n node = shouldPlaceOnTopOfPreviousStack(node.callFrame.functionName)\n ?
 utils_1.lastOf(prevStack)\n : node.parent || null) {\n toOpen.push(node);\n }\n
 toOpen.reverse();\n for (let node of toOpen) {\n
 profile.enterFrame(frameInfoForCallFrame(node.callFrame), value);\n }\n prevStack =
 prevStack.concat(toOpen);\n }\n // Close frames that are open at the end of the trace\n for (let i =
 prevStack.length - 1; i >= 0; i--) {\n profile.leaveFrame(frameInfoForCallFrame(prevStack[i].callFrame),
 utils_1.lastOf(sampleTimes));\n }\n profile.setValueFormatter(new
 value_formatters_1.TimeFormatter('microseconds'));\n return
 profile.build();\n }\n\nexports.importFromChromeCPUProfile = importFromChromeCPUProfile;\nfunction
importFromOldV8CPUProfile(content) {\n return
importFromChromeCPUProfile(v8cpuFormatter_1.chromeTreeToNodes(content));\n }\n\nexports.importFromOldV8
CPUProfile = importFromOldV8CPUProfile;\n\n",""use strict";\n\nvar __createBinding = (this &&
this.__createBinding) || (Object.create ? (function(o, m, k, k2) {\n if (k2 === undefined) k2 = k;\n
Object.defineProperty(o, k2, { enumerable: true, get: function() { return m[k]; } });\n })\n) : (function(o, m, k, k2) {\n if (k2 === undefined) k2 = k;\n
o[k2] = m[k];\n }));\n\nvar __setModuleDefault = (this && this.__setModuleDefault) || (Object.create ? (function(o, v) {\n Object.defineProperty(o, 'default', {
enumerable: true, value: v });\n })\n) : function(o, v) {\n o["default"] = v;\n };\n\nvar __importStar = (this &&
this.__importStar) || function (mod) {\n if (mod && mod.__esModule) return mod;\n var result = {};\n if (mod
!= null) for (var k in mod) if (Object.hasOwnProperty.call(mod, k)) __createBinding(result, mod, k);\n
__setModuleDefault(result, mod);\n return result;\n };\n\nvar __awaiter = (this && this.__awaiter) || function
(thisArg, _arguments, P, generator) {\n function adopt(value) { return value instanceof P ? value : new P(function
(resolve) { resolve(value); }); }\n return new (P || (P = Promise))(function (resolve, reject) {\n function
fulfilled(value) { try { step(generator.next(value)); } catch (e) { reject(e); } }\n
 function
rejected(value) { try { step(generator["throw"](value)); } catch (e) { reject(e); } }\n function
step(result) { result.done ? resolve(result.value) : adopt(result.value).then(fulfilled, rejected); }\n step((generator
= generator.apply(thisArg, _arguments || [])).next());\n });\n });\n }\n\nObject.defineProperty(exports, '__esModule', {
value: true });\n\nexports.CallTreeProfileBuilder = exports.StackListProfileBuilder = exports.Profile =
exports.CallTreeNode = exports.Frame = exports.HasWeights = void 0;\n\nconst utils_1 = require("./utils");\n\nconst

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value_formatters_1 = require("./value-formatters");\nconst demangleCppModule = Promise.resolve().then(() =>
__importStar(require('./demangle-cpp')));\n// Force eager loading of the module\ndemangleCppModule.then(() => {
});\n\nclass HasWeights {\n constructor() {\n this.selfWeight = 0;\n this.totalWeight = 0;\n }\n getSelfWeight() {\n return this.selfWeight;\n }\n getTotalWeight()
{\n return this.totalWeight;\n }\n addToTotalWeight(delta) {\n this.totalWeight += delta;\n }\n
addToSelfWeight(delta) {\n this.selfWeight += delta;\n }\n overwriteWeightWith(other) {\n
this.selfWeight = other.selfWeight;\n this.totalWeight = other.totalWeight;\n }\n}\n\nexports.HasWeights =
HasWeights;\n\nlet Frame = /** @class */ (() => {\n class Frame extends HasWeights {\n constructor(info) {\n
super();\n this.key = info.key;\n this.name = info.name;\n this.file = info.file;\n
this.line = info.line;\n this.col = info.col;\n }\n static getOrInsert(set, info) {\n return
set.getOrInsert(new Frame(info));\n }\n }\n Frame.root = new Frame({\n key: '(speedscope root)',\n
name: '(speedscope root)',\n });\n return Frame;\n})();\n\nexports.Frame = Frame;\n\nclass CallTreeNode extends
HasWeights {\n constructor(frame,
parent) {\n super();\n this.frame = frame;\n this.parent = parent;\n this.children = [];\n // If a
node is "frozen", it means it should no longer be mutated.\n this.frozen = false;\n }\n isRoot() {\n
return this.frame === Frame.root;\n }\n isFrozen() {\n return this.frozen;\n }\n freeze() {\n
this.frozen = true;\n }\n}\n\nexports.CallTreeNode = CallTreeNode;\n\nclass Profile {\n constructor(totalWeight =
0) {\n this.name = "";\n this.frames = new utils_1.KeyedSet();\n // Profiles store two call-trees.\n //\n
// The "append order" call tree is the one in which nodes are ordered in\n // whatever order they were
appended to their parent.\n //\n // The "grouped" call tree is one in which each node has at most one child
per\n // frame. Nodes are ordered in decreasing order of weight\n this.appendOrderCalltreeRoot = new
CallTreeNode(Frame.root,
null);\n this.groupedCalltreeRoot = new CallTreeNode(Frame.root, null);\n // List of references to
CallTreeNodes at the top of the\n // stack at the time of the sample.\n this.samples = [];\n this.weights =
[];\n this.valueFormatter = new value_formatters_1.RawValueFormatter();\n this.totalNonIdleWeight =
null;\n this.totalWeight = totalWeight;\n }\n getAppendOrderCalltreeRoot() {\n return
this.appendOrderCalltreeRoot;\n }\n getGroupedCalltreeRoot() {\n return this.groupedCalltreeRoot;\n }\n
formatValue(v) {\n return this.valueFormatter.format(v);\n }\n setValueFormatter(f) {\n
this.valueFormatter = f;\n }\n getWeightUnit() {\n return this.valueFormatter.unit;\n }\n getName() {\n
return this.name;\n }\n setName(name) {\n this.name = name;\n }\n getTotalWeight() {\n return
this.totalWeight;\n }\n getTotalNonIdleWeight()
{\n if (this.totalNonIdleWeight === null) {\n this.totalNonIdleWeight =
this.groupedCalltreeRoot.children.reduce((n, c) => n + c.getTotalWeight(), 0);\n }\n return
this.totalNonIdleWeight;\n }\n // This is private because it should only be called in the ProfileBuilder\n //
classes. Once a Profile instance has been constructed, it should be treated\n // as immutable.\n sortGroupedCallTree() {\n function visit(node) {\n node.children.sort((a, b) => -(a.getTotalWeight() -
b.getTotalWeight()));\n node.children.forEach(visit);\n }\n visit(this.groupedCalltreeRoot);\n }\n
 forEachCallGrouped(openFrame, closeFrame) {\n function visit(node, start) {\n if (node.frame !==
Frame.root) {\n openFrame(node, start);\n }\n let childTime = 0;\n node.children.forEach(function (child) {\n visit(child, start + childTime);\n
 childTime += child.getTotalWeight();\n });\n if (node.frame !== Frame.root) {\n
closeFrame(node, start + node.getTotalWeight());\n }\n }\n visit(this.groupedCalltreeRoot, 0);\n }\n
 forEachCall(openFrame, closeFrame) {\n let prevStack = [];\n let value = 0;\n let sampleIndex =
0;\n for (let stackTop of this.samples) {\n // Find lowest common ancestor of the current stack and the
previous one\n let lca = null;\n // This is O(n^2), but n should be relatively small here (stack height),\n
 // so hopefully this isn't much of a problem\n for (lca = stackTop; lca && lca.frame !== Frame.root &&
prevStack.indexOf(lca) === -1; lca = lca.parent) {\n }\n // Close frames that are no longer open\n while
(prevStack.length > 0 && utils_1.lastOf(prevStack) !== lca) {\n const node = prevStack.pop();\n

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 closeFrame(node, value);\n }\n // Open frames that are now becoming open\n const
toOpen = [];\n for (let node = stackTop; node && node.frame !== Frame.root && node !== lca; node =
node.parent) {\n toOpen.push(node);\n }\n toOpen.reverse();\n for (let node of
toOpen) {\n openFrame(node, value);\n }\n prevStack = prevStack.concat(toOpen);\n
value += this.weights[sampleIndex++];\n }\n // Close frames that are open at the end of the trace\n for
(let i = prevStack.length - 1; i >= 0; i--) {\n closeFrame(prevStack[i], value);\n }\n }\n
forEachFrame(fn) {\n this.frames.forEach(fn);\n }\n getProfileWithRecursionFlattened() {\n const
builder = new CallTreeProfileBuilder();\n const stack = [];\n const framesInStack = new Set();\n
function openFrame(node, value)
 {\n if (framesInStack.has(node.frame)) {\n stack.push(null);\n }\n else {\n
framesInStack.add(node.frame);\n stack.push(node);\n builder.enterFrame(node.frame, value);\n
 }\n }\n function closeFrame(node, value) {\n const stackTop = stack.pop();\n if
(stackTop) {\n framesInStack.delete(stackTop.frame);\n builder.leaveFrame(stackTop.frame,
value);\n }\n }\n this.forEachCall(openFrame, closeFrame);\n const flattenedProfile =
builder.build();\n flattenedProfile.name = this.name;\n flattenedProfile.valueFormatter =
this.valueFormatter;\n // When constructing a profile with recursion flattened,\n // counter-intuitive things
can happen to \"self time\" measurements\n // for functions.\n // For example, given the following list of
stacks w/ weights:\n
 //\n // a 1\n // a;b;a 1\n // a;b;a;b;a 1\n // a;b;a 1\n //\n // The resulting profile with
recursion flattened out will look like this:\n //\n // a 1\n // a;b 3\n //\n // Which is useful to
view, but it's counter-intuitive to move self-time\n // for frames around, since analyzing the self-time of
functions is an important\n // thing to be able to do accurately, and we don't want this to change when
recursion\n // is flattened. To work around that, we'll just copy the weights directly from the\n // un-
flattened profile.\n this.forEachFrame(f => {\n
flattenedProfile.frames.getOrCreate(f).overwriteWeightWith(f);\n });\n return flattenedProfile;\n }\n
getInvertedProfileForCallersOf(focalFrameInfo) {\n const focalFrame = Frame.getOrCreate(this.frames,
focalFrameInfo);\n const builder = new StackListProfileBuilder();\n
// TODO(jlfwong): Could construct this at profile\n // construction time rather than on demand.\n const
nodes = [];\n function visit(node) {\n if (node.frame === focalFrame) {\n nodes.push(node);\n
 }\n else {\n for (let child of node.children) {\n visit(child);\n }\n
 }\n visit(this.appendOrderCalltreeRoot);\n for (let node of nodes) {\n const stack = [];\n
for (let n = node; n !== null && n.frame !== Frame.root; n = n.parent) {\n stack.push(n.frame);\n }\n
 builder.appendSampleWithWeight(stack, node.getTotalWeight());\n }\n const ret = builder.build();\n
ret.name = this.name;\n ret.valueFormatter = this.valueFormatter;\n return ret;\n }\n
getProfileForCalleesOf(focalFrameInfo) {\n const focalFrame = Frame.getOrCreate(this.frames,
focalFrameInfo);\n
 const builder = new StackListProfileBuilder();\n function recordSubtree(focalFrameNode) {\n const
stack = [];\n function visit(node) {\n stack.push(node.frame);\n
 builder.appendSampleWithWeight(stack, node.getSelfWeight());\n for (let child of node.children) {\n
 visit(child);\n }\n stack.pop();\n }\n visit(focalFrameNode);\n
 }\n function findCalls(node) {\n if (node.frame === focalFrame) {\n recordSubtree(node);\n
 }\n else {\n for (let child of node.children) {\n findCalls(child);\n }\n
 }\n }\n findCalls(this.appendOrderCalltreeRoot);\n const ret = builder.build();\n ret.name = this.name;\n
ret.valueFormatter = this.valueFormatter;\n return ret;\n }\n
// Demangle symbols for readability\n demangle() {\n return __awaiter(this, void 0, void 0, function* () {\n
 let demangleCxx = null;\n for (let frame of this.frames) {\n // This function converts a mangled
C++ name such as \"_ZNK7Support6ColorFeqERKS0_\"\n // into a human-readable symbol (in this case
\"Support::ColorF::==(Support::ColorF&)\")\n if (frame.name.startsWith('__Z')) {\n if

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(!demangleCpp) {\n demangleCpp = (yield demangleCppModule).demangleCpp;\n }\n frame.name = demangleCpp(frame.name);\n }\n };\n }\n remapNames(callback) {\n for (let frame of this.frames) {\n frame.name = callback(frame.name);\n }\n }\n \n exports.Profile = Profile;\n \n class StackListProfileBuilder extends Profile {\n constructor() {\n super(...arguments);\n this.pendingSample\n = null;\n }\n _appendSample(stack, weight, useAppendOrder) {\n if (isNaN(weight))\n throw new\n Error('invalid weight');\n let node = useAppendOrder ? this.appendOrderCalltreeRoot :\n this.groupedCalltreeRoot;\n let framesInStack = new Set();\n for (let frameInfo of stack) {\n const\n frame = Frame.getOrInsert(this.frames, frameInfo);\n const last = useAppendOrder\n ?\n utils_1.lastOf(node.children)\n : node.children.find(c => c.frame === frame);\n if (last &&\n !last.isFrozen() && last.frame == frame) {\n node = last;\n }\n else {\n const parent\n = node;\n node = new CallTreeNode(frame, node);\n parent.children.push(node);\n }\n node.addToTotalWeight(weight);\n // It's possible for the same frame to occur multiple\n // times in\n the same call stack due to\n either direct\n // or indirect recursion. We want to avoid counting that\n // frame multiple times for a\n single sample, we so just\n // track all of the unique frames that participated in\n // this call stack, then\n add to their weight at the end.\n framesInStack.add(node.frame);\n }\n node.addToSelfWeight(weight);\n if (useAppendOrder) {\n for (let child of node.children) {\n child.freeze();\n }\n }\n if (useAppendOrder) {\n node.frame.addToSelfWeight(weight);\n for (let frame of framesInStack) {\n frame.addToTotalWeight(weight);\n }\n if (node ===\n utils_1.lastOf(this.samples)) {\n this.weights[this.weights.length - 1] += weight;\n }\n else\n {\n this.samples.push(node);\n this.weights.push(weight);\n }\n }\n }\n appendSampleWithWeight(stack,\n weight) {\n if (weight === 0) {\n // Samples with zero weight have no effect, so let's ignore them\n return;\n }\n if (weight < 0) {\n throw new Error('Samples must have positive weights');\n }\n this._appendSample(stack, weight, true);\n this._appendSample(stack, weight, false);\n }\n appendSampleWithTimestamp(stack, timestamp) {\n if (this.pendingSample) {\n if (timestamp <\n this.pendingSample.centralTimestamp) {\n throw new Error('Timestamps received out of order');\n }\n const endTimeStamp = (timestamp + this.pendingSample.centralTimestamp) / 2;\n this.appendSampleWithWeight(this.pendingSample.stack, endTimeStamp - this.pendingSample.startTimestamp);\n this.pendingSample = { stack, startTimestamp: endTimeStamp, centralTimestamp: timestamp };\n }\n else {\n this.pendingSample\n = { stack, startTimestamp: timestamp, centralTimestamp: timestamp };\n }\n }\n build() {\n if\n (this.pendingSample) {\n if (this.samples.length > 0) {\n this.appendSampleWithWeight(this.pendingSample.stack, this.pendingSample.centralTimestamp -\n this.pendingSample.startTimestamp);\n }\n else {\n // There is only a single sample. In this\n case, units will be meaningless,\n // so we'll append with a weight of 1 and also clear any value formatter\n this.appendSampleWithWeight(this.pendingSample.stack, 1);\n this.setValueFormatter(new\n value_formatters_1.RawValueFormatter());\n }\n }\n this.totalWeight = Math.max(this.totalWeight,\n this.weights.reduce((a, b) => a + b, 0));\n this.sortGroupedCallTree();\n return this;\n }\n }\n \n exports.StackListProfileBuilder = StackListProfileBuilder;\n \n // As an alternative API for importing profiles\n more efficiently, provide a\n // way to open & close frames directly without needing to construct tons of\n // arrays as\n intermediaries.\n \n class CallTreeProfileBuilder extends Profile {\n constructor() {\n super(...arguments);\n this.appendOrderStack = [this.appendOrderCalltreeRoot];\n this.groupedOrderStack =\n [this.groupedCalltreeRoot];\n this.framesInStack = new Map();\n this.stack = [];\n this.lastValue = 0;\n }\n addWeightsToFrames(value) {\n const delta = value - this.lastValue;\n for (let frame of\n this.framesInStack.keys()) {\n frame.addToTotalWeight(delta);\n }\n const stackTop =\n utils_1.lastOf(this.stack);\n if (stackTop) {\n stackTop.addToSelfWeight(delta);\n }\n }\n }\n}
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addWeightsToNodes(value, stack) {\n const delta = value - this.lastValue;\n for (let node of stack) {\n
node.addToTotalWeight(delta);\n }\n const stackTop
= utils_1.lastOf(stack);\n if (stackTop) {\n stackTop.addToSelfWeight(delta);\n }\n }\n
_enterFrame(frame, value, useAppendOrder) {\n let stack = useAppendOrder ? this.appendOrderStack :
this.groupedOrderStack;\n this.addWeightsToNodes(value, stack);\n let prevTop = utils_1.lastOf(stack);\n
 if (prevTop) {\n if (useAppendOrder) {\n const delta = value - this.lastValue;\n if (delta
> 0) {\n this.samples.push(prevTop);\n this.weights.push(value - this.lastValue);\n
 }\n else if (delta < 0) {\n throw new Error(`Samples must be provided in increasing order of
cumulative value. Last sample was ${this.lastValue}, this sample was ${value}`);\n }\n }\n
 const last = useAppendOrder\n ? utils_1.lastOf(prevTop.children)\n : prevTop.children.find(c
=> c.frame === frame);\n let node;\n if (last && !last.isFrozen() && last.frame === frame) {\n
node = last;\n }\n else {\n node = new CallTreeNode(frame, prevTop);\n
prevTop.children.push(node);\n }\n stack.push(node);\n }\n }\n enterFrame(frameInfo, value)
{\n const frame = Frame.getOrInsert(this.frames, frameInfo);\n this.addWeightsToFrames(value);\n
this._enterFrame(frame, value, true);\n this._enterFrame(frame, value, false);\n this.stack.push(frame);\n
 const frameCount = this.framesInStack.get(frame) || 0;\n this.framesInStack.set(frame, frameCount + 1);\n
this.lastValue = value;\n }\n _leaveFrame(frame, value, useAppendOrder) {\n let stack = useAppendOrder ?
this.appendOrderStack : this.groupedOrderStack;\n this.addWeightsToNodes(value, stack);\n if
(useAppendOrder) {\n
 const leavingStackTop = this.appendOrderStack.pop();\n if (leavingStackTop == null) {\n throw
new Error(`Trying to leave ${frame.key} when stack is empty`);\n }\n if (this.lastValue == null) {\n
 throw new Error(`Trying to leave a ${frame.key} before any have been entered`);\n }\n
 leavingStackTop.freeze();\n if (leavingStackTop.frame.key !== frame.key) {\n throw new
Error(`Tried to leave frame \"${frame.name}\" while frame \"${leavingStackTop.frame.name}\" was at the top at
${value}`);\n }\n const delta = value - this.lastValue;\n if (delta > 0) {\n
this.samples.push(leavingStackTop);\n this.weights.push(value - this.lastValue);\n }\n else if
(delta < 0) {\n throw new Error(`Samples must be provided in increasing order of cumulative value. Last
sample was ${this\n
 .lastValue}, this sample was ${value}`);\n }\n }\n else {\n
this.groupedOrderStack.pop();\n }\n }\n leaveFrame(frameInfo, value) {\n const frame =
Frame.getOrInsert(this.frames, frameInfo);\n this.addWeightsToFrames(value);\n this._leaveFrame(frame,
value, true);\n this._leaveFrame(frame, value, false);\n this.stack.pop();\n const frameCount =
this.framesInStack.get(frame);\n if (frameCount == null)\n return;\n if (frameCount === 1) {\n
this.framesInStack.delete(frame);\n }\n else {\n this.framesInStack.set(frame, frameCount - 1);\n
 }\n this.lastValue = value;\n this.totalWeight = Math.max(this.totalWeight, this.lastValue);\n }\n build()
{\n // Each stack is expected to contain a single node which we initialize to be\n // the root node.\n if
(this.appendOrderStack.length > 1 || this.groupedOrderStack.length
> 1) {\n throw new Error("Tried to complete profile construction with a non-empty stack");\n }\n
this.sortGroupedCallTree();\n return this;\n }\n}\n\nexports.CallTreeProfileBuilder =
CallTreeProfileBuilder;\n", "\nuse strict";\nObject.defineProperty(exports, "__esModule", { value: true
});\n\nexports.demangleCpp = void 0;\nlet cppfilt;\nconst cache = new Map();\n// This function converts a mangled
C++ name such as \"__ZNK7Support6ColorFeqERKS0_\" into a human-readable symbol (in this case
\"Support::ColorF::(Support::ColorF&)\")\nfunction demangleCpp(name) {\n if (name.startsWith('__Z')) {\n
let result = cache.get(name);\n if (result !== undefined) {\n name = result;\n }\n else {\n
if (!cppfilt) {\n cppfilt = new Function('exports', 'code')();\n }\n result =
cppfilt(name.slice(1));\n result = result === '(null)' ? name : result;\n
 cache.set(name, result);\n name = result;\n }\n }\n return name;\n}\n\nexports.demangleCpp =
demangleCpp;\n// This was taken from https://d.fuqu.jp/c++filt.js\nconst code = `return function(){function

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r(r){eval.call(null,r)}function a(r){throw print(r+"\n\n\n"+(new Error).stack),ke=!0,"Assertion: '"+r}function
e(r,e){r||a("\nAssertion failed: '"+e)}function i(r,a,i,v){function t(r,a){if("\string"==a){var e=Oe;return
le.stackAlloc(r.length+1),A(r,e),e}return r}function
f(r,a){return"\string"==a?s(r):r}try{func=ce.Module["_"+r]}catch(r){e(func,"Cannot call unknown function
'"+r+" (perhaps LLVM optimizations or closure removed it?)");var _=0,n=v?v.map(function(r){return
t(r,i_++)}):[];return f(func.apply(null,n),a)}function v(r,a,e){return function(){return
i(r,a,e,Array.prototype.slice.call(arguments))}}function t(r,e,i,v){switch(i=i||"i8","*"===i[i.length-
1]&&(e="\i32"),i){case"i1":Ae[r]=e;break;case"i8":Ae[r]=e;break;case"i16":ye[r>>1]=e;break;case"i32":Se[r
>>2]=e;break;case"i64":Se[r>>2]=e;break;case"float":Ce[r>>2]=e;break;case"double":ze[0]=e,Se[r>>2]=xe[0],
Se[r+4>>2]=xe[1];break;default:a("\invalid
type for setValue: '"+i)}function f(r,e,i){switch(e=e||"i8","*"===e[e.length-
1]&&(e="\i32"),e){case"i1":return Ae[r];case"i8":return Ae[r];case"i16":return ye[r>>1];case"i32":return
Se[r>>2];case"i64":return Se[r>>2];case"float":return Ce[r>>2];case"double":return
xe[0]=Se[r>>2],xe[1]=Se[r+4>>2],ze[0];default:a("\invalid type for setValue: '"+e)}return null}function
_(r,a,e){var i,v;"number"===typeof r?(i=!0,v=r):(i=!1,v=r.length);var f="\string"===typeof
a?a:null,_=[Jr,le.stackAlloc,le.staticAlloc][void 0===e?we:e](Math.max(v,f?1:a.length));if(i)return
Fa(_ ,0,v),_ ,for(var s,n=0;n<v;){var o=r[n];"\function"===typeof
o&&(o=le.getFunctionIndex(o)),s=f[a[n],0]!==s?("i64"===s&&(s="\i32"),t(_+n,o,s),n+=le.getNativeTypeSize(s)):n
++}return _}function s(r,a){for(var e,i="\undefined"===typeof
a,v="\n",t=0,f=String.fromCharCode(0);){if(e=String.fromCharCode(ge[r+t]),i&&e===f)break;if(v+=e,t+=1,!i&&t=
=a)break}return v}function n(r){for(var a="\n",e=0;e<r.length;e++)a+=String.fromCharCode(r[e]);return a}function
o(r){return r+4095>>12<<12}function l(){for(;Le<=Ie;Le=o(2*Le);var r=Ae,a=new ArrayBuffer(Le);Ae=new
Int8Array(a),ye=new Int16Array(a),Se=new Int32Array(a),ge=new Uint8Array(a),me=new
Uint16Array(a),Me=new Uint32Array(a),Ce=new Float32Array(a),Re=new Float64Array(a),Ae.set(r)}function
b(r){for(;r.length>0;){var a=r.shift(),e=a.func;"number"===typeof e&&(e=pe[e]),e(void
0===a.arg?null:a.arg)}}function k(){b(Be)}function u(){b(Be),be.print()}function c(r,a){return
Array.prototype.slice.call(Ae.subarray(r,r+a))}function h(r,a){for(var e=new
Uint8Array(a),i=0;i<a;++i)e[i]=Ae[r+i];return e.buffer}function d(r){for(var a=0;Ae[r+a];)a++;return a}function
w(r,a){var e=d(r);a&&e++;var i=c(r,e);return a&&(i[e-1]=0),i}function p(r,a){for(var e=[],i=0;i<r.length;){var
v=r.charCodeAtAt(i);v>255&&(v&=255),e.push(v),i+=1}return a||e.push(0),e}function E(r){for(var
a=[],e=0;e<r.length;e++){var i=r[e];i>255&&(i&=255),a.push(String.fromCharCode(i))}return a.join("\n")}function
A(r,a,e){for(var i=0;i<r.length;){var
v=r.charCodeAtAt(i);v>255&&(v&=255),Ae[a+i]=v,i+=1}e||(Ae[a+i]=0)}function g(r,a,e,i){return
r>=0?r:a<=32?2*Math.abs(1<<a-1)+r*Math.pow(2,a)+r}function y(r,a,e,i){if(r<=0)return r;var
v=a<=32?Math.abs(1<<a-1):Math.pow(2,a-1);return r>=v&&(a<=32||r>v)&&(r=-2*v+r),r}function
m(r,a,e){if(0==(0|r)|0==(0|a)|0==(0|e))var i=0;else{Se[r>>2]=0,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var i;return
i}function S(r,a,e){if(0==(0|r)|(0|a)<0|0==(0|e))var i=0;else{Se[r>>2]=41,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function M(r,a,e){if(0==(0|r)|0==(0|e))var i=0;else{Se[r>>2]=6,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function C(r,a,e){if(0==(0|r)|0==(0|e))var i=0;else{Se[r>>2]=7,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function R(r,a){var e,i=0==(0|a);do
if(i)var v=0;else{var e=(r+32|0)>>2,t=Se[e];if((0|t)>=(0|Se[r+36>>2])){var v=0;break}var
f=(t<<2)+Se[r+28>>2]|0;Se[f>>2]=a;var _=Se[e]+1|0;Se[e]=_;var v=1}while(0);var v;return v}function T(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=i+1|0;Se[e]=v;var t=Ae[i]<<24>>24==95;do if(t){var
f=i+2|0;if(Se[e]=f,Ae[v]<<24>>24!=90){var _=0;break}var s=O(r,a),_=s}else var _=0;while(0);var _;return
_}function O(r,a){var e=r+12|0,i=Ae[Se[e>>2]];r:do if(i<<24>>24==71||i<<24>>24==84)var v=Tr(r),t=v;else{var
f=Ar(r),_=0==(0|f)|0==(0|a);do if(!_){if(0!=(1&Se[r+8>>2]|0))break;var s=Me[f>>2],n=(s-25|0)>>>0<3;a:do
if(n)for(var o=f;){var o,l=Me[o+4>>2],b=Me[l>>2];if((b-25|0)>>>0>=3){var k=l,u=b;break a}var o=l}else var
k=f,u=s;while(0);var u,k;if(2!=(0|u)){var t=k;break r}var c=k+8|0,h=Me[c>>2],d=(Se[h>>2]-25|0)>>>0<3;a:do

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if(d)for(var w=h;;){var w,p=Me[w+4>>2];if((Se[p>>2]-25|0)>>>0>=3){var E=p;break a}var w=p}else var
E=h;while(0);var E;Se[c>>2]=E;var t=k;break r}while(0);var
A=Ae[Se[e>>2]];if(A<<24>>24==0||A<<24>>24==69){var
t=f;break}var g=Or(f),y=Sr(r,g),m=D(r,3,f,y),t=m}while(0);var t;return t}function N(r){var a,e,i=Oe;Oe+=4;var
v=i,e=v>>2,a=(r+12|0)>>2,t=Me[a],f=Ae[t],_=f<<24>>24;r:do
if(f<<24>>24==114||f<<24>>24==86||f<<24>>24==75){var s=I(r,v,0);if(0==(0|s)){var n=0;break}var
o=N(r);Se[s>>2]=o;var l=Se[e],b=R(r,l);if(0==(0|b)){var n=0;break}var
n=Se[e]}else{do{if(97==(0|_)||98==(0|_)||99==(0|_)||100==(0|_)||101==(0|_)||102==(0|_)||103==(0|_)||104==(0|_)||10
5==(0|_)||106==(0|_)||108==(0|_)||109==(0|_)||110==(0|_)||111==(0|_)||115==(0|_)||116==(0|_)||118==(0|_)||119==(0|
)||120==(0|)||121==(0|_)||122==(0|_)){var k=ai+20*(-97)|0,u=P(r,k);Se[e]=u;var
c=r+48|0,h=Se[c>>2]+Se[Se[u+4>>2]+4>>2|0];Se[c>>2]=h;var d=Se[a]+1|0;Se[a]=d;var n=u;break
r}if(117==(0|_)){Se[a]=t+1|0;var w=L(r),p=D(r,34,w,0);Se[e]=p;var E=p}else if(70==(0|_)){var
A=F(r);Se[e]=A;var E=A}else
if(48==(0|_)||49==(0|_)||50==(0|_)||51==(0|_)||52==(0|_)||53==(0|_)||54==(0|_)||55==(0|_)||56==(0|_)||57==(0|_)||78=
=(0|_)||90==(0|_)){var
g=X(r);Se[e]=g;var E=g}else if(65==(0|_)){var y=j(r);Se[e]=y;var E=y}else if(77==(0|_)){var m=U(r);Se[e]=m;var
E=m}else if(84==(0|_)){var S=x(r);if(Se[e]=S,Ae[Se[a]]<<24>>24!=73){var E=S;break}var
M=R(r,S);if(0==(0|M)){var n=0;break r}var C=Se[e],T=z(r),O=D(r,4,C,T);Se[e]=O;var E=O}else if(83==(0|_)){var
B=ge[t+1|0];if((B-48&255&255)<10|B<<24>>24==95|(B-65&255&255)<26){var
H=V(r,0);if(Se[e]=H,Ae[Se[a]]<<24>>24!=73){var n=H;break r}var K=z(r),Y=D(r,4,H,K);Se[e]=Y;var
E=Y}else{var G=X(r);if(Se[e]=G,0==(0|G)){var E=0;break}if(21==(0|Se[G>>2])){var n=G;break r}var E=G}}else
if(80==(0|_)){Se[a]=t+1|0;var W=N(r),Z=D(r,29,W,0);Se[e]=Z;var E=Z}else if(82==(0|_)){Se[a]=t+1|0;var
Q=N(r),q=D(r,30,Q,0);Se[e]=q;var E=q}else if(67==(0|_)){Se[a]=t+1|0;var $=N(r),J=D(r,31,$,0);Se[e]=J;var
E=J}else if(71==(0|_)){Se[a]=t+1|0;var rr=N(r),ar=D(r,32,rr,0);Se[e]=ar;var E=ar}else if(85!=(0|_)){var n=0;break
r}Se[a]=t+1|0;var er=L(r);Se[e]=er;var ir=N(r),vr=Se[e],tr=D(r,28,ir,vr);Se[e]=tr;var
E=tr}}while(0);var E,fr=R(r,E);if(0==(0|fr)){var n=0;break}var n=Se[e]}while(0);var n;return Oe=i,n}function
I(r,a,e){for(var i,v=r+12|0,t=0!=(0|e),f=t?25:22,i=(r+48|0)>>2,_=t?26:23,s=t?27:24,n=a;;){var
n,o=Se[v>>2],l=Ae[o];if(l<<24>>24!=114&&l<<24>>24!=86&&l<<24>>24!=75){var b=n;break}var
k=o+1|0;if(Se[v>>2]=k,l<<24>>24==114){var u=Se[i]+9|0;Se[i]=u;var c=f}else if(l<<24>>24==86){var
h=Se[i]+9|0;Se[i]=h;var c=_}else{var d=Se[i]+6|0;Se[i]=d;var c=s}var
c,w=D(r,c,0,0);if(Se[n>>2]=w,0==(0|w)){var b=0;break}var n=w+4|0}var b;return b}function P(r,a){var
e=0==(0|a);do if(e)var i=0;else{var v=J(r);if(0==(0|v)){var i=0;break}Se[v>>2]=33,Se[v+4>>2]=a;var
i=v}while(0);var i;return i}function D(r,a,e,i){var
v,t;do{if(1==(0|a)||2==(0|a)||3==(0|a)||4==(0|a)||10==(0|a)||28==(0|a)||37==(0|a)||43==(0|a)||44==(0|a)||45==(0|a)||46=
=(0|a)||47==(0|a)||48==(0|a)||49==(0|a)||50==(0|a)){if(0==(0|e)|0==(0|i)){var
f=0;t=7;break}t=5;break}if(8==(0|a)||9==(0|a)||11==(0|a)||12==(0|a)||13==(0|a)||14==(0|a)||15==(0|a)||16==(0|a)||17=
=(0|a)||18==(0|a)||19==(0|a)||20==(0|a)||29==(0|a)||30==(0|a)||31==(0|a)||32==(0|a)||34==(0|a)||38==(0|a)||39==(0|a)||4
2==(0|a)){if(0==(0|e)){var
f=0;t=7;break}t=5;break}if(36==(0|a)){if(0==(0|i)){var
f=0;t=7;break}t=5;break}if(35==(0|a)||22==(0|a)||23==(0|a)||24==(0|a)||25==(0|a)||26==(0|a)||27==(0|a))t=5;else{var
f=0;t=7}}while(0);do if(5==t){var _=J(r),v=_>>2;if(0==(0|_)){var f=0;break}Se[v]=a,Se[v+1]=e,Se[v+2]=i;var
f=_}while(0);var f;return f}function L(r){var a=sr(r);if((0|a)<1)var e=0;else{var i=Rr(r,a);Se[r+44>>2]=i;var
e=i}var e;return e}function F(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;if(Se[a]=i,Ae[e]<<24>>24==70){if(Ae[i]<<24>>24==89){var
v=e+2|0;Se[a]=v}var t=Sr(r,1),f=Se[a],_=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==69?t:0,n=s}else var n=0;var
n;return n}function X(r){var a=Ar(r);return a}function j(r){var a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var
v=Ae[e]<<24>>24==65;do if(v){var t=Ae[i];if(t<<24>>24==95)var f=0;else if((t-48&255&255)<10){for(var
_=i;;){var

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,s=+1|0;if(Se[a]=s,(Ae[s]-48&255&255)>=10)break;var _=s}var n=s-i|0,o=lr(r,i,n);if(0==(0|o)){var
l=0;break}var f=o}else{var b=nr(r);if(0==(0|b)){var l=0;break}var f=b}var
f,k=Se[a],u=k+1|0;if(Se[a]=u,Ae[k]<<24>>24!=95){var l=0;break}var c=N(r),h=D(r,36,f,c),l=h}else var
l=0;while(0);var l;return l}function U(r){var a=Oe;Oe+=4;var e=a,i=r+12|0,v=Se[i>>2],t=v+1|0;Se[i>>2]=t;var
f=Ae[v]<<24>>24==77;r:do if(f){var _=N(r),s=I(r,e,1);if(0==(0|s)){var n=0;break}var o=N(r);Se[s>>2]=o;var
l=(0|s)==(0|e);do if(!l){if(35==(0|Se[o>>2]))break;var b=Se[e>>2],k=R(r,b);if(0==(0|k)){var n=0;break
r}}while(0);var u=Se[e>>2],c=D(r,37,_u),n=c}else var n=0;while(0);var n;return Oe=a,n}function x(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==84;do if(v){if(Ae[i]<<24>>24==95)var
t=0,f=i;else{var _=sr(r);if((0|_)<0){var s=0;break}var t=_+1|0,f=Se[a]}var
f,t;if(Se[a]=f+1|0,Ae[f]<<24>>24!=95){var s=0;break}var n=r+40|0,o=Se[n>>2]+1|0;Se[n>>2]=o;var
l=Er(r,t),s=l}else var s=0;while(0);var
s;return s}function z(r){var a,e=Oe;Oe+=4;var
i=e,v=r+44|0,t=Se[v>>2],a=(r+12|0)>>2,f=Se[a],_=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==73;r:do
if(s){Se[i>>2]=0;for(var n=i;;){var n,o=_r(r);if(0==(0|o)){var l=0;break r}var
b=D(r,39,o,0);if(Se[n>>2]=b,0==(0|b)){var l=0;break r}var k=Se[a];if(Ae[k]<<24>>24==69)break;var n=b+8|0}var
u=k+1|0;Se[a]=u,Se[v>>2]=t;var l=Se[i>>2]}else var l=0;while(0);var l;return Oe=e,l}function V(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=i+1|0;Se[e]=v;var t=Ae[i]<<24>>24==83;r:do if(t){var f=i+2|0;Se[e]=f;var
=ge[v];if(<<24>>24==95)var s=0;else{if(!((_ -48&255&255)<10|(_ -65&255&255)<26)){var
n=8&Se[r+8>>2],o=n>>3,l=0!=(0|n)|0==(0|a);do if(l)var b=o;else{if((Ae[f]-67&255&255)>=2){var
b=o;break}var b=1}while(0);for(var b,k=0|ei;;){var k;if(k>>>0>=(ei+196|0)>>>0){var u=0;break
r}if(_<<24>>24==Ae[0|k]<<24>>24)break;var k=k+28|0}var c=Se[k+20>>2];if(0!=(0|c)){var
h=Se[k+24>>2],d=fr(r,c,h);Se[r+44>>2]=d;if(0==(0|b))var w=k+8|0,p=k+4|0;else var w=k+16|0,p=k+12|0;var
p,w,E=Se[w>>2],A=Se[p>>2],g=r+48|0,y=Se[g>>2]+E|0;Se[g>>2]=y;var
m=fr(r,A,E),u=m;break}for(var S=_M=0,C=f;;){var C,M,S;if((S-48&255&255)<10)var R=36*M-48|0;else{if((S-
65&255&255)>=26){var u=0;break r}var R=36*M-55|0}var R,T=(S<<24>>24)+R|0;if((0|T)<0){var u=0;break
r}var O=C+1|0;Se[e]=O;var N=ge[C];if(N<<24>>24==95)break;var S=N,M=T,C=O}var s=T+1|0}var
s;if((0|s)>=(0|Se[r+32>>2])){var u=0;break}var I=r+40|0,P=Se[I>>2]+1|0;Se[I>>2]=P;var
u=Se[Se[r+28>>2]+(s<<2)>>2]}else var u=0;while(0);var u;return u}function B(r,a,e,i){var
v,t,f,_,s=Oe;Oe+=28;var n,o=s,_=o>>2;Se[_]=r;var l=e+1|0,f=(o+12|0)>>2;Se[f]=l;var
b=Jr(l),t=(o+4|0)>>2;if(Se[t]=b,0==(0|b))var k=0,u=1;else{var v=(o+8|0)>>2;Se[v]=0,Se[_+4]=0,Se[_+5]=0;var
c=o+24|0;Se[c>>2]=0,H(o,a);var h=Me[t],d=0==(0|h);do if(!d){var
w=Me[v];if(w>>>0>=Me[f]>>>0){n=5;break}Se[v]=w+1|0,Ae[h+w|0]=0,n=6;break}n=5}while(0);5==n&&Y(o,0)
;var p=Se[t],E=0==(0|p)?Se[c>>2]:Se[f],k=p,u=E}var u,k;return Se[i>>2]=u,Oe=s,k}function H(r,a){var
e,i,v,t,f,_,s,n,o,l,b,k,u,c,h,d,w,p,E,A,g,y,m,S,M,C,R,T,O,N,I,P,D,L,F,X,j,U,x,z,V,B,K,G,W,J,vr,tr,fr,_r,sr,nr,or,lr,br,k
r,ur,cr,hr,dr,wr,pr=a>>2,Er=r>>2,Ar=Oe;Oe+=184;var
gr,yr=Ar,wr=yr>>2,mr=Ar+64,dr=mr>>2,Sr=Ar+72,Mr=Ar+88,Cr=Ar+104,hr=Cr>>2,Rr=Ar+168,Tr=0==(0|a);r:d
o if(Tr)Z(r);else{var cr=(r+4|0)>>2,Or=Me[cr];if(0==(0|Or))break;var
Nr=0|a,Ir=Me[Nr>>2];a:do if(0==(0|Ir)){if(0!=(4&Se[Er|0])}{var Pr=Se[pr+1],Dr=Se[pr+2];q(r,Pr,Dr);break r}var
ur=(r+8|0)>>2,Lr=Me[ur],Fr=a+8|0,Xr=Me[Fr>>2];if((Xr+Lr|0)>>>0>Me[Er+3]>>>0){var
jr=Se[pr+1];Q(r,jr,Xr);break r}var Ur=Or+Lr|0,xr=Se[pr+1];Pa(Ur,xr,Xr,1);var
zr=Se[ur]+Se[Fr>>2]|0;Se[ur]=zr;break r}if(1==(0|Ir)||2==(0|Ir)){var Vr=Se[pr+1];H(r,Vr);var
Br=0==(4&Se[Er|0]),Hr=Me[cr],Kr=0!=(0|Hr);e:do if(Br){do if(Kr){var
kr=(r+8|0)>>2,Yr=Me[kr];if((Yr+2|0)>>>0>Me[Er+3]>>>0)break;var
Gr=Hr+Yr|0;oe=14906,Ae[Gr]=255&oe,oe>>=8,Ae[Gr+1]=255&oe;var Wr=Se[kr]+2|0;Se[kr]=Wr;break
e}while(0);Q(r,0|He.__str120,2)}else{do if(Kr){var
Zr=r+8|0,Qr=Me[Zr>>2];if(Qr>>>0>=Me[Er+3]>>>0)break;Se[Zr>>2]=Qr+1|0,Ae[Hr+Qr|0]=46;break
e}while(0);Y(r,46)}while(0);var qr=Se[pr+2];H(r,qr);break r}if(3==(0|Ir)){for(var
br=(r+20|0)>>2,$r=Me[br],lr=(r+16|0)>>2,Jr=a,ra=0,aa=$r;;){var aa,ra,Jr,ea=Me[Jr+4>>2];if(0==(0|ea)){var

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ia=ra,va=0;gr=33;break}if(ra>>>0>3){Z(r);break r}var
ta=(ra<<4)+yr|0;Se[ta>>2]=aa,Se[br]=ta,Se[((ra<<4)+4>>2)+wr]=ea,Se[((ra<<4)+8>>2)+wr]=0;var
fa=Me[lr];Se[((ra<<4)+12>>2)+wr]=fa;var _a=ra+1|0,sa=0|ea,na=Me[sa>>2];if((na-
25|0)>>>0>=3){gr=25;break}var Jr=ea,ra=_a,aa=ta}e:do
if(25==gr){if(4==(0|na)){Se[dr]=fa,Se[lr]=mr,Se[dr+1]=ea;var oa=Se[sa>>2],la=mr}else var oa=na,la=fa;var
la,oa;if(2!=(0|oa)){var ia=_a,va=sa;break}for(var ba=_a,ka=ea+8|0;;){var ka,ba,ua=Me[ka>>2];if((Se[ua>>2]-
25|0)>>>0>=3){var ia=ba,va=sa;break e}if(ba>>>0>3)break;var ca=(ba<<4)+yr|0,ha=ba-
1|0,da=(ha<<4)+yr|0,or=ca>>2,nr=da>>2;Se[or]=Se[nr],Se[or+1]=Se[nr+1],Se[or+2]=Se[nr+2],Se[or+3]=Se[nr+3],
Se[ca>>2]=da,Se[br]=ca,Se[((ha<<4)+4>>2)+wr]=ua,Se[((ha<<4)+8>>2)+wr]=0,Se[((ha<<4)+12>>2)+wr]=la;var
ba=ba+1|0,ka=ua+4|0}Z(r);break r}while(0);var va,ia,wa=Se[pr+2];if(H(r,wa),4==(0|Se[va>>2])){var
pa=Se[dr];Se[lr]=pa}var Ea=0==(0|ia);e:do if(!Ea)for(var Aa=r+8|0,ga=r+12|0,ya=ia;;){var ya,ma=ya-
1|0;if(0==(0|Se[((ma<<4)+8>>2)+wr])){var Sa=Me[cr],Ma=0==(0|Sa);do{if(!Ma){var
Ca=Me[Aa>>2];if(Ca>>>0>=Me[ga>>2]>>>0){gr=41;break}Se[Aa>>2]=Ca+1|0,Ae[Ca+Ca|0]=32,gr=42;break}gr
=41}while(0);41==gr&&Y(r,32);var Ra=Se[((ma<<4)+4>>2)+wr];$(r,Ra)}if(0==(0|ma))break e;var
ya=ma}while(0);Se[br]=$r;break r}if(4==(0|Ir)){var sr=(r+20|0)>>2,Ta=Se[sr];Se[sr]=0;var
Oa=Se[pr+1];H(r,Oa);var Na=Me[cr],Ia=0==(0|Na);do{if(!Ia){var _r=(r+8|0)>>2,Da=Me[_r],La=0==(0|Da);do
if(!La){if(Ae[Na+(Da-
1)|0]<<24>>24|=60)break;Da>>>0<Me[Er+3]>>>0?(Se[_r]=Da+1|0,Ae[Na+Da|0]=32):Y(r,32)}while(0);var
Fa=Me[cr];if(0==(0|Fa)){gr=54;break}var
Xa=Me[_r];if(Xa>>>0>=Me[Er+3]>>>0){gr=54;break}Se[_r]=Xa+1|0,Ae[Fa+Xa|0]=60,gr=55;break}gr=54}while(
0);54==gr&&Y(r,60);var ja=Se[pr+2];H(r,ja);var Ua=Me[cr],xa=0==(0|Ua);do{if(!xa){var
fr=(r+8|0)>>2,za=Me[fr],Va=0==(0|za);do{if(!Va){if(Ae[Ua+(za-
1)|0]<<24>>24|=62)break;za>>>0<Me[Er+3]>>>0?(Se[fr]=za+1|0,Ae[Ua+za|0]=32):Y(r,32)}while(0);var
Ba=Me[cr];if(0==(0|Ba)){gr=64;break}var
Ha=Me[fr];if(Ha>>>0>=Me[Er+3]>>>0){gr=64;break}Se[fr]=Ha+1|0,Ae[Ba+Ha|0]=62,gr=65;break}gr=64}while(
0);64==gr&&Y(r,62),Se[sr]=Ta;break r}if(5==(0|Ir)){var tr=(r+16|0)>>2,Ka=Me[tr];if(0==(0|Ka)){Z(r);break
r}for(var Ya=Se[pr+1],Ga=Se[Ka+4>>2];){var
Ga,Ya,Wa=Se[Ga+8>>2];if(0==(0|Wa))break;if(39!=(0|Se[Wa>>2])){Z(r);break
r}if((0|Ya)<1){if(0!=(0|Ya))break;var Za=Se[Ka>>2];Se[tr]=Za;var Qa=Se[Wa+4>>2];H(r,Qa),Se[tr]=Ka;break
r}var Ya=Ya-1|0,Ga=Wa}Z(r);break r}if(6==(0|Ir)){var qa=Se[pr+2];H(r,qa);break r}if(7==(0|Ir)){var
$a=r+8|0,Ja=Me[$a>>2];Ja>>>0<Me[Er+3]>>>0?(Se[$a>>2]=Ja+1|0,Ae[Or+Ja|0]=126):Y(r,126);var
re=Se[pr+2];H(r,re);break r}if(8==(0|Ir)){var
vr=(r+8|0)>>2,ae=Me[vr];if((ae+11|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str121,11);else{for(var
ee=Or+ae|0,ie=0|He.__str121,ve=ee,te=ie+11;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var
fe=Se[vr]+11|0;Se[vr]=fe}var _e=Se[pr+1];H(r,_e);break r}if(9==(0|Ir)){var
J=(r+8|0)>>2,se=Me[J];if((se+8|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str122,8);else{var
ne=Or+se|0,le=0|ne;oe=542397526,Ae[le]=255&oe,oe>>=8,Ae[le+1]=255&oe,oe>>=8,Ae[le+2]=255&oe,oe>>=8,
Ae[le+3]=255&oe;var
be=ne+4|0;oe=544370534,Ae[be]=255&oe,oe>>=8,Ae[be+1]=255&oe,oe>>=8,Ae[be+2]=255&oe,oe>>=8,Ae[be+
3]=255&oe;var ke=Se[J+8|0;Se[J]=ke}var ue=Se[pr+1];H(r,ue);break r}if(10==(0|Ir)){var
W=(r+8|0)>>2,ce=Me[W],he=r+12|0;if((ce+24|0)>>>0>Me[he>>2]>>>0)Q(r,0|He.__str123,24);else{var
de=Or+ce|0;Pa(de,0|He.__str123,24,1);var we=Se[W]+24|0;Se[W]=we}var pe=Se[pr+1];H(r,pe);var
Ee=Me[cr],ge=0==(0|Ee);do{if(!ge){var ye=Me[W];if((ye+4|0)>>>0>Me[he>>2]>>>0){gr=96;break}var
me=Ee+ye|0;oe=762210605,Ae[me]=255&oe,oe>>=8,Ae[me+1]=255&oe,oe>>=8,Ae[me+2]=255&oe,oe>>=8,Ae[
me+3]=255&oe;var Ce=Se[W]+4|0;Se[W]=Ce,gr=97;break}gr=96}while(0);96==gr&&Q(r,0|He.__str124,4);var
Re=Se[pr+2];H(r,Re);break r}if(11==(0|Ir)){var
G=(r+8|0)>>2,Te=Me[G];if((Te+13|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str125,13);else{for(var
Ne=Or+Te|0,ie=0|He.__str125,ve=Ne,te=ie+13;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Ie=Se[G]+13|0;Se[G]=Ie}var

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Pe=Se[pr+1];H(r,Pe);break r}if(12==(0|Ir)){var
K=(r+8|0)>>2,De=Me[K];if((De+18|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str126,18);else{for(var
Le=Or+De|0,ie=0|He.__str126,ve=Le,te=ie+18;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Fe=Se[K]+18|0;Se[K]=Fe}var
Xe=Se[pr+1];H(r,Xe);break r}if(13==(0|Ir)){var
B=(r+8|0)>>2,je=Me[B];if((je+16|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str127,16);else{for(var
Ue=Or+je|0,ie=0|He.__str127,ve=Ue,te=ie+16;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var xe=Se[B]+16|0;Se[B]=xe}var
ze=Se[pr+1];H(r,ze);break r}if(14==(0|Ir)){var
V=(r+8|0)>>2,Ve=Me[V];if((Ve+21|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str128,21);else{var
Be=Or+Ve|0;Pa(Be,0|He.__str128,21,1);var Ke=Se[V]+21|0;Se[V]=Ke}var Ye=Se[pr+1];H(r,Ye);break
r}if(15==(0|Ir)){var z=(r+8|0)>>2,Ge=Me[z];if((Ge+17|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str129,17);else{for(var
We=Or+Ge|0,ie=0|He.__str129,ve=We,te=ie+17;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Ze=Se[z]+17|0;Se[z]=Ze}var
Qe=Se[pr+1];H(r,Qe);break r}if(16==(0|Ir)){var
x=(r+8|0)>>2,qe=Me[x];if((qe+26|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str130,26);else{var
$e=Or+qe|0;Pa($e,0|He.__str130,26,1);var Je=Se[x]+26|0;Se[x]=Je}var ri=Se[pr+1];H(r,ri);break
r}if(17==(0|Ir)){var U=(r+8|0)>>2,ai=Me[U];if((ai+15|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str131,15);else{for(var
ei=Or+ai|0,ie=0|He.__str131,ve=ei,te=ie+15;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var ii=Se[U]+15|0;Se[U]=ii}var
vi=Se[pr+1];H(r,vi);break r}if(18==(0|Ir)){var
j=(r+8|0)>>2,ti=Me[j];if((ti+19|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str132,19);else{for(var
fi=Or+ti|0,ie=0|He.__str132,ve=fi,te=ie+19;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var _i=Se[j]+19|0;Se[j]=_i}var
si=Se[pr+1];H(r,si);break r}if(19==(0|Ir)){var
X=(r+8|0)>>2,ni=Me[X];if((ni+24|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str133,24);else{var
oi=Or+ni|0;Pa(oi,0|He.__str133,24,1);var li=Se[X]+24|0;Se[X]=li}var bi=Se[pr+1];H(r,bi);break
r}if(20==(0|Ir)){var F=(r+8|0)>>2,ki=Me[F];if((ki+17|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str134,17);else{for(var
ui=Or+ki|0,ie=0|He.__str134,ve=ui,te=ie+17;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var ci=Se[F]+17|0;Se[F]=ci}var
hi=Se[pr+1];H(r,hi);break r}if(21==(0|Ir)){var
L=(r+8|0)>>2,di=Me[L],wi=a+8|0,pi=Me[wi]>>2;if((pi+di|0)>>>0>Me[Er+3]>>>0){var
Ei=Se[pr+1];Q(r,Ei,pi);break r}var Ai=Or+di|0,gi=Se[pr+1];Pa(Ai,gi,pi,1);var
yi=Se[L]+Se[wi]>>2|0;Se[L]=yi;break r}if(22==(0|Ir)||23==(0|Ir)||24==(0|Ir)){for(var mi=r+20|0;;){var
mi,Si=Me[mi]>>2;if(0==(0|Si))break a;if(0==(0|Se[Si+8]>>2))) {var Mi=Me[Se[Si+4]>>2]>>2;if((Mi-
22|0)>>>0>=3)break a;if((0|Mi)==(0|Ir))break}var mi=0|Si}var Ci=Se[pr+1];H(r,Ci);break
r}if(25!=(0|Ir)&&26!=(0|Ir)&&27!=(0|Ir)&&28!=(0|Ir)&&29!=(0|Ir)&&30!=(0|Ir)&&31!=(0|Ir)&&32!=(0|Ir)){if(3
3==(0|Ir)){var D=(r+8|0)>>2,Ri=Me[D],P=(a+4|0)>>2,I=Me[P]>>2;if(0==(4&Se[Er]|0)){var
Ti=Me[I+1];if((Ti+Ri|0)>>>0>Me[Er+3]>>>0){var Oi=Se[I];Q(r,Oi,Ti);break r}var
Ni=Or+Ri|0,Ii=Se[I];Pa(Ni,Ii,Ti,1);var
Pi=Se[D]+Se[Se[P]+4>>2]|0;Se[D]=Pi;break r}var Di=Me[I+3];if((Di+Ri|0)>>>0>Me[Er+3]>>>0){var
Li=Se[I+2];Q(r,Li,Di);break r}var Fi=Or+Ri|0,Xi=Se[I+2];Pa(Fi,Xi,Di,1);var
ji=Se[D]+Se[Se[P]+12>>2]|0;Se[D]=ji;break r}if(34==(0|Ir)){var Ui=Se[pr+1];H(r,Ui);break r}if(35==(0|Ir)){var
N=(0|r)>>2;if(0!=(32&Se[N]|0)){var xi=Se[Er+5];rr(r,a,xi)}var zi=a+4|0,Vi=0==(0|Se[zi]>>2));e:do if(!Vi){var
O=(r+20|0)>>2,Bi=Se[O],Hi=0|Mr;Se[Hi>>2]=Bi,Se[O]=Mr,Se[Mr+4>>2]=a;var Ki=Mr+8|0;Se[Ki>>2]=0;var
Yi=Se[Er+4];Se[Mr+12>>2]=Yi;var Gi=Se[zi>>2];H(r,Gi);var
Wi=Se[Hi>>2];if(Se[O]=Wi,0!=(0|Se[Ki>>2]))break r;if(0!=(32&Se[N]|0))break;var Zi=Me[cr],Qi=0==(0|Zi);do
if(!Qi){var qi=r+8|0,$i=Me[qi>>2];if($i>>>0>=Me[Er+3]>>>0)break;Se[qi>>2]=$i+1|0,Ae[Zi+$i|0]=32;break
e}while(0);Y(r,32)}while(0);if(0!=(32&Se[N]|0))break r;var Ji=Se[Er+5];rr(r,a,Ji);break r}if(36==(0|Ir)){var
T=(r+20|0)>>2,rv=Me[T],av=0|Cr;Se[hr]=rv,Se[T]=av,Se[hr+1]=a;var ev=Cr+8|0;Se[ev>>2]=0;var
iv=Se[Er+4];Se[hr+3]=iv;for(var vv=rv,tv=1;;){var
tv,vv;if(0==(0|vv))break;if((Se[Se[vv+4>>2]>>2]-22|0)>>>0>=3)break;var
fv=vv+8|0;if(0==(0|Se[fv>>2])){if(tv>>>0>3){Z(r);break r}var
_v=(tv<<4)+Cr|0,R=_v>>2,C=vv>>2;Se[R]=Se[C],Se[R+1]=Se[C+1],Se[R+2]=Se[C+2],Se[R+3]=Se[C+3];var

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sv=Se[T];Se[_v>>2]=sv,Se[T]=_v,Se[fv>>2]=1;var nv=tv+1|0}else var nv=tv;var nv,vv=Se[vv>>2],tv=nv}var
ov=Se[pr+2];if(H(r,ov),Se[T]=rv,0!=(0|Se[ev>>2]))break r;if(tv>>>0>1){for(var lv=tv;;){var lv,bv=lv-
1|0,kv=Se[((bv<<4)+4>>2)+hr];if(($r,kv),bv>>>0<=1)break;var lv=bv}var uv=Se[T]}else var uv=rv;var
uv;ar(r,a,uv);break r}if(37==(0|Ir)){var
M=(r+20|0)>>2,cv=Se[M],hv=0|Rr;Se[hv>>2]=cv,Se[M]=Rr,Se[Rr+4>>2]=a;var dv=Rr+8|0;Se[dv>>2]=0;var
wv=Se[Er+4];Se[Rr+12>>2]=wv;var pv=a+4|0,Ev=Se[pr+2];H(r,Ev);var Av=0==(0|Se[dv>>2]);e:do if(Av){var
gv=Me[cr],yv=0==(0|gv);do{if(!yv){var
mv=r+8|0,Sv=Me[mv>>2];if(Sv>>>0>=Me[Er+3]>>>0){gr=187;break}Se[mv>>2]=Sv+1|0,Ae[gv+Sv|0]=32,gr=18
8;break}gr=187}while(0);187==gr&&Y(r,32);var Mv=Se[pv>>2];H(r,Mv);var Cv=Me[cr],Rv=0==(0|Cv);do
if(!Rv){var S=(r+8|0)>>2,Tv=Me[S];if((Tv+3|0)>>>0>Me[Er+3]>>>0)break;var
Ov=Cv+Tv|0;Ae[Ov]=Ae[0|He.__str135],Ae[Ov+1]=Ae[(0|He.__str135)+1],Ae[Ov+2]=Ae[(0|He.__str135)+2];var
Nv=Se[S+3|0];Se[S]=Nv;break e}while(0);Q(r,0|He.__str135,3)}while(0);var Iv=Se[hv>>2];Se[M]=Iv;break
r}if(38==(0|Ir)||39==(0|Ir)){var Pv=Se[pr+1];H(r,Pv);var Dv=a+8|0;if(0==(0|Se[Dv>>2]))break r;var
Lv=Me[cr],Fv=0==(0|Lv);do{if(!Fv){var
m=(r+8|0)>>2,Xv=Me[m];if((Xv+2|0)>>>0>Me[Er+3]>>>0){gr=197;break}var
jv=Lv+Xv|0;oe=8236,Ae[jv]=255&oe,oe>>=8,Ae[jv+1]=255&oe;var
Uv=Se[m]+2|0;Se[m]=Uv,gr=198;break}gr=197}while(0);197==gr&&Q(r,0|He.__str136,2);var
xv=Se[Dv>>2];H(r,xv);break r}if(40==(0|Ir)){var
y=(r+8|0)>>2,zv=Me[y],g=(r+12|0)>>2;if((zv+8|0)>>>0>Me[g]>>>0)Q(r,0|He.__str137,8);else{var
Vv=Or+zv|0,le=0|Vv;oe=1919250543,Ae[le]=255&oe,oe>>=8,Ae[le+1]=255&oe,oe>>=8,Ae[le+2]=255&oe,oe>>
=8,Ae[le+3]=255&oe;var
be=Vv+4|0;oe=1919906913,Ae[be]=255&oe,oe>>=8,Ae[be+1]=255&oe,oe>>=8,Ae[be+2]=255&oe,oe>>=8,Ae[be
+3]=255&oe;var Bv=Se[y]+8|0;Se[y]=Bv}var
A=(a+4|0)>>2,Hv=(Ae[Se[Se[A]+4>>2]]-97&255&255)<26;e:do if(Hv){var Kv=Me[cr],Yv=0==(0|Kv);do
if(!Yv){var Gv=Me[y];if(Gv>>>0>=Me[g]>>>0)break;Se[y]=Gv+1|0,Ae[Kv+Gv|0]=32;break
e}while(0);Y(r,32)}while(0);var Wv=Me[cr],Zv=0==(0|Wv);do{if(!Zv){var
Qv=Me[y],qv=Me[A],Sv=Me[qv+8>>2];if((Sv+Qv|0)>>>0>Me[g]>>>0){var Jv=qv,rt=$v;break}var
at=Wv+Qv|0,et=Se[qv+4>>2];Pa(at,et,$v,1);var it=Se[y]+Se[Se[A]+8>>2]|0;Se[y]=it;break r}var
vt=Me[A],Jv=vt,rt=Se[vt+8>>2]}while(0);var rt,Jv,tt=Se[Jv+4>>2];Q(r,tt,rt);break r}if(41==(0|Ir)){var
E=(r+8|0)>>2,ft=Me[E];if((ft+9|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str10180,9);else{for(var
_t=Or+ft|0,ie=0|He.__str10180,ve=_t,te=ie+9;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var st=Se[E]+9|0;Se[E]=st}var
nt=Se[pr+2];H(r,nt);break r}if(42==(0|Ir)){var
p=(r+8|0)>>2,ot=Me[p];if((ot+9|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str10180,9);else{for(var
lt=Or+ot|0,ie=0|He.__str10180,ve=lt,te=ie+9;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var
bt=Se[p]+9|0;Se[p]=bt}er(r,a);break r}if(43==(0|Ir)){var
kt=a+4|0,ut=Se[kt>>2],ct=42==(0|Se[ut>>2]);e:do if(ct){var
w=(r+8|0)>>2,ht=Me[w],dt=r+12|0;ht>>>0<Me[dt>>2]>>>0?(Se[w]=ht+1|0,Ae[Or+ht|0]=40):Y(r,40);var
wt=Se[kt>>2];er(r,wt);var pt=Me[cr],Et=0==(0|pt);do if(!Et){var
At=Me[w];if(At>>>0>=Me[dt>>2]>>>0)break;Se[w]=At+1|0,Ae[pt+At|0]=41;break e}while(0);Y(r,41)}else
ir(r,ut);while(0);var gt=Me[cr],yt=0==(0|gt);do{if(!yt){var
mt=r+8|0,St=Me[mt>>2];if(St>>>0>=Me[Er+3]>>>0){gr=232;break}Se[mt>>2]=St+1|0,Ae[gt+St|0]=40,gr=233;br
eak}gr=232}while(0);232==gr&&Y(r,40);var Mt=Se[pr+2];H(r,Mt);var Ct=Me[cr],Rt=0==(0|Rt);do if(!Rt){var
Tt=r+8|0,Ot=Me[Tt>>2];if(Ot>>>0>=Me[Er+3]>>>0)break;Se[Tt>>2]=Ot+1|0,Ae[Ct+Ot|0]=41;break
r}while(0);Y(r,41);break r}if(44==(0|Ir)){var d=(a+8|0)>>2;if(45==(0|Se[Se[d]>>2])){var
h=(a+4|0)>>2,Nt=Se[h],It=40==(0|Se[Nt>>2]);do if(It){var
Pt=Se[Nt+4>>2];if(1!=(0|Se[Pt+8>>2]))break;if(Ae[Se[Pt+4>>2]]<<24>>24!=62)break;var
Dt=r+8|0,Lt=Me[Dt>>2];Lt>>>0<Me[Er+3]>>>0?(Se[Dt>>2]=Lt+1|0,Ae[Or+Lt|0]=40):Y(r,40)}while(0);var

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Ft=Me[cr],Xt=0==(0|Ft);do{if(!Xt){var
jt=r+8|0,Ut=Me[jt>>2];if(Ut>>>0>=Me[Er+3]>>>0){gr=248;break}Se[jt>>2]=Ut+1|0,Ae[Ft+Ut|0]=40,gr=249;brea
k}gr=248}while(0);248==gr&&Y(r,40);var xt=Se[Se[d]+4>>2];H(r,xt);var zt=Me[cr],Vt=0==(0|zt);do{if(!Vt){var
c=(r+8|0)>>2,Bt=Me[c];if((Bt+2|0)>>>0>Me[Er+3]>>>0){gr=252;break}var
Ht=zt+Bt|0;oe=8233,Ae[Ht]=255&oe,oe>>=8,Ae[Ht+1]=255&oe;var
Kt=Se[c]+2|0;Se[c]=Kt,gr=253;break}gr=252}while(0);252==gr&&Q(r,0|He.__str139,2);var Yt=Se[h];ir(r,Yt);var
Gt=Me[cr],Wt=0==(0|Gt);do{if(!Wt){var
u=(r+8|0)>>2,Zt=Me[u];if((Zt+2|0)>>>0>Me[Er+3]>>>0){gr=256;break}var
Qt=Gt+Zt|0;oe=10272,Ae[Qt]=255&oe,oe>>=8,Ae[Qt+1]=255&oe;var
qt=Se[u]+2|0;Se[u]=qt,gr=257;break}gr=256}while(0);256==gr&&Q(r,0|He.__str140,2);var
$t=Se[Se[d]+8>>2];H(r,$t);var Jt=Me[cr],rf=0==(0|Jt);do{if(!rf){var
af=r+8|0,ef=Me[af>>2];if(ef>>>0>=Me[Er+3]>>>0){gr=260;break}Se[af>>2]=ef+1|0,Ae[Jt+ef|0]=41,gr=261;brea
k}gr=260}while(0);260==gr&&Y(r,41);var vf=Se[h];if(40!=(0|Se[vf>>2]))break r;var
tf=Se[vf+4>>2];if(1!=(0|Se[tf+8>>2]))break
r;if(Ae[Se[tf+4>>2]]<<24>>24!=62)break r;var ff=Me[cr],_f=0==(0|ff);do if(!_f){var
sf=r+8|0,nf=Me[sf>>2];if(nf>>>0>=Me[Er+3]>>>0)break;Se[sf>>2]=nf+1|0,Ae[ff+nf|0]=41;break
r}while(0);Y(r,41);break r}Z(r);break r}if(45==(0|Ir)){Z(r);break r}if(46==(0|Ir)){var
of=a+4|0,k=(a+8|0)>>2,lf=Se[k],bf=47==(0|Se[lf>>2]);do if(bf){if(48!=(0|Se[Se[lf+8>>2]>>2]))break;var
b=(r+8|0)>>2,kf=Me[b],l=(r+12|0)>>2;kf>>>0<Me[l]>>>0?(Se[b]=kf+1|0,Ae[Or+kf|0]=40):Y(r,40);var
uf=Se[Se[k]+4>>2];H(r,uf);var cf=Me[cr],hf=0==(0|cf);do{if(!hf){var
df=Me[b];if((df+2|0)>>>0>Me[l]>>>0){gr=278;break}var
wf=cf+df|0;oe=8233,Ae[wf]=255&oe,oe>>=8,Ae[wf+1]=255&oe;var
pf=Se[b]+2|0;Se[b]=pf,gr=279;break}gr=278}while(0);278==gr&&Q(r,0|He.__str139,2);var
Ef=Se[of>>2];ir(r,Ef);var Af=Me[cr],gf=0==(0|Af);do{if(!gf){var
yf=Me[b];if((yf+2|0)>>>0>Me[l]>>>0){gr=282;break}var
mf=Af+yf|0;oe=10272,Ae[mf]=255&oe,oe>>=8,Ae[mf+1]=255&oe;var
Sf=Se[b]+2|0;Se[b]=Sf,gr=283;break}gr=282}while(0);282==gr&&Q(r,0|He.__str140,2);var
Mf=Se[Se[Se[k]+8>>2]+4>>2];H(r,Mf);var Cf=Me[cr],Rf=0==(0|Cf);do{if(!Rf){var
Tf=Me[b];if((Tf+5|0)>>>0>Me[l]>>>0){gr=286;break}var
Of=Cf+Tf|0;Ae[Of]=Ae[0|He.__str141],Ae[Of+1]=Ae[(0|He.__str141)+1],Ae[Of+2]=Ae[(0|He.__str141)+2],Ae[Of
+3]=Ae[(0|He.__str141)+3],Ae[Of+4]=Ae[(0|He.__str141)+4];var
Nf=Se[b]+5|0;Se[b]=Nf,gr=287;break}gr=286}while(0);286==gr&&Q(r,0|He.__str141,5);var
If=Se[Se[Se[k]+8>>2]+8>>2];H(r,If);var Pf=Me[cr],Df=0==(0|Pf);do if(!Df){var
Lf=Me[b];if(Lf>>>0>=Me[l]>>>0)break;Se[b]=Lf+1|0,Ae[Pf+Lf|0]=41;break r}while(0);Y(r,41);break
r}while(0);Z(r);break r}if(47==(0|Ir)||48==(0|Ir)){Z(r);break r}if(49==(0|Ir)||50==(0|Ir)){var
Ff=a+4|0,Xf=Se[Ff>>2],jf=33==(0|Se[Xf>>2]);do{if(jf){var
Uf=Me[Se[Xf+4>>2]+16>>2];if(1==(0|Uf)||2==(0|Uf)||3==(0|Uf)||4==(0|Uf)||5==(0|Uf)||6==(0|Uf)){var
xf=a+8|0;if(0!=(0|Se[Se[xf>>2]>>2])){var zf=Uf;break}if(50==(0|Ir)){var
Vf=r+8|0,Bf=Me[Vf>>2];Bf>>>0<Me[Er+3]>>>0?(Se[Vf>>2]=Bf+1|0,Ae[Or+Bf|0]=45):Y(r,45)}var
Hf=Se[xf>>2];if(H(r,Hf),2==(0|Uf)){var
Kf=Me[cr],Yf=0==(0|Kf);do if(!Yf){var
Gf=r+8|0,Wf=Me[Gf>>2];if(Wf>>>0>=Me[Er+3]>>>0)break;Se[Gf>>2]=Wf+1|0,Ae[Kf+Wf|0]=117;break
r}while(0);Y(r,117);break r}if(3==(0|Uf)){var Zf=Me[cr],Qf=0==(0|Zf);do if(!Qf){var
qf=r+8|0,$f=Me[qf>>2];if($f>>>0>=Me[Er+3]>>>0)break;Se[qf>>2]=$f+1|0,Ae[Zf+$f|0]=108;break
r}while(0);Y(r,108);break r}if(4==(0|Uf)){var Jf=Me[cr],r_=0==(0|Jf);do if(!r_){var
o=(r+8|0)>>2,a_=Me[o];if((a_+2|0)>>>0>Me[Er+3]>>>0)break;var
e_=Jf+a_|0;oe=27765,Ae[e_]=255&oe,oe>>=8,Ae[e_+1]=255&oe;var i_=Se[o]+2|0;Se[o]=i_;break
r}while(0);Q(r,0|He.__str142,2);break r}if(5==(0|Uf)){var v_=Me[cr],t_=0==(0|v_);do if(!t_){var

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n=(r+8|0)>>2,f_=Me[n];if((f_+2|0)>>>0>Me[Er+3]>>>0)break;var
__=v_+f_|0;oe=27756,Ae[__]=255&oe,oe>>=8,Ae[__+1]=255&oe;var s_=Se[n]+2|0;Se[n]=s_;break
r}while(0);Q(r,0|He.__str143,2);break r}if(6==(0|Uf)){var n_=Me[cr],o_==0|(n_);do if(!o_){var
s=(r+8|0)>>2,l_=Me[s];if((l_+3|0)>>>0>Me[Er+3]>>>0)break;var
b_=n_+l_|0;Ae[b_]=Ae[0|He.__str144],Ae[b_+1]=Ae[(0|He.__str144)+1],Ae[b_+2]=Ae[(0|He.__str144)+2];var
k_=Se[s]+3|0;Se[s]=k_;break r}while(0);Q(r,0|He.__str144,3);break r}break r}if(7==(0|Uf)){var
=Se[pr+2]>>2;if(0!=(0|Se[])){var zf=7;break}if(!(1==(0|Se[_+2])&49==(0|Ir))){var zf=Uf;break}var
u_=Ae[Se[_+1]]<<24>>24;if(48==(0|u_)){var
f=(r+8|0)>>2,c_=Me[f];if((c_+5|0)>>>0>Me[Er+3]>>>0){Q(r,0|He.__str145,5);break r}var
h_=Or+c_|0;Ae[h_]=Ae[0|He.__str145],Ae[h_+1]=Ae[(0|He.__str145)+1],Ae[h_+2]=Ae[(0|He.__str145)+2],Ae[h_
+3]=Ae[(0|He.__str145)+3],Ae[h_+4]=Ae[(0|He.__str145)+4];var d_=Se[f]+5|0;Se[f]=d_;break
r}if(49==(0|u_)){var t=(r+8|0)>>2,w_=Me[t];if((w_+4|0)>>>0>Me[Er+3]>>>0){Q(r,0|He.__str146,4);break r}var
p_=Or+w_|0;oe=1702195828,Ae[p_]=255&oe,oe>>=8,Ae[p_+1]=255&oe,oe>>=8,Ae[p_+2]=255&oe,oe>>=8,Ae[
p_+3]=255&oe;var E_=Se[t]+4|0;Se[t]=E_;break r}var zf=Uf;break}var zf=Uf;break}var zf=0}while(0);var
zf,v=(r+8|0)>>2,A_=Me[v],i=(r+12|0)>>2;A_>>>0<Me[i]>>>0?(Se[v]=A_+1|0,Ae[Or+A_|0]=40):Y(r,40);var
g_=Se[Ff>>2];H(r,g_);var
y_=Me[cr],m_==0|(y_);do{if(!m_){var
S_=Me[v];if(S_>>>0>=Me[i]>>>0){gr=335;break}Se[v]=S_+1|0,Ae[y_+S_|0]=41,gr=336;break}gr=335}while(0);
335==gr&&Y(r,41);var M_=50==(0|Se[Nr>>2]);e:do if(M_){var C_=Me[cr],R_==0|(C_);do if(!R_){var
T_=Me[v];if(T_>>>0>=Me[i]>>>0)break;Se[v]=T_+1|0,Ae[C_+T_|0]=45;break
e}while(0);Y(r,45)}while(0);if(8==(0|zf)){var O_=Me[cr],N_==0|(O_);do{if(!N_){var
I_=Me[v];if(I_>>>0>=Me[i]>>>0){gr=345;break}Se[v]=I_+1|0,Ae[O_+I_|0]=91,gr=346;break}gr=345}while(0);3
45==gr&&Y(r,91);var P_=Se[pr+2];H(r,P_);var D_=Me[cr],L_==0|(D_);do if(!L_){var
F_=Me[v];if(F_>>>0>=Me[i]>>>0)break;Se[v]=F_+1|0,Ae[D_+F_|0]=93;break r}while(0);Y(r,93);break r}var
X_=Se[pr+2];H(r,X_);break r}Z(r);break r}while(0);var
e=(r+20|0)>>2,j_=Se[e],U_==0|Sr;Se[U_>>2]=j_,Se[e]=Sr,Se[Sr+4>>2]=a;var x_=Sr+8|0;Se[x_>>2]=0;var
z_=Se[Er+4];Se[Sr+12>>2]=z_;var V_=Se[pr+1];H(r,V_),0==(0|Se[x_>>2])&&$ (r,a);var
B_=Se[U_>>2];Se[e]=B_)while(0);Oe=Ar}function K(r,a,e,i){var
v=i>>2;Se[v]=r,Se[v+1]=r+e|0,Se[v+2]=a,Se[v+3]=r,Se[v+6]=e<<1,Se[v+5]=0,Se[v+9]=e,Se[v+8]=0,Se[v+10]=0,
Se[v+11]=0,Se[v+12]=0}function
Y(r,a){var e,i=r+4|0,v=Me[i>>2],t=0==(0|v);do if(!t){var e=(r+8|0)>>2,f=Me[e];if(f>>>0<Me[r+12>>2]>>>0)var
_=v,s=f;else{tr(r,1);var n=Me[i>>2];if(0==(0|n))break;var _=n,s=Se[e]}var s_,_;Ae[_+s|0]=255&a;var
o=Se[e]+1|0;Se[e]=o}while(0)}function G(r,a,e,i){var v,t=i>>2,f=Oe;Oe+=4;var _=f,v_>>2,s=0==(0|r);do
if(s){if(0==(0|i)){var n=0;break}Se[t]=-3;var n=0}else{var o=0==(0|e);if(0!=(0|a)&o){if(0==(0|i)){var
n=0;break}Se[t]=-3;var n=0}else{var l=W(r,_);if(0==(0|l)){if(0==(0|i)){var n=0;break}if(1==(0|Se[v])){Se[t]=-
1;var n=0}else{Se[t]=-2;var n=0}}else{var b=0==(0|a);do if(b){if(o){var k=l;break}var u=Se[v];Se[e>>2]=u;var
k=l}else{var c=Ca(l);if(c>>>0<Me[e>>2]>>>0){Ra(a,l);va(l);var k=a}else{va(a);var h=Se[v];Se[e>>2]=h;var
k=l}}while(0);var k;if(0==(0|i)){var n=k;break}Se[t]=0;var n=k}}while(0);var n;return Oe=f,n}function
W(r,a){var e,i=Oe;Oe+=52;var v,t=i,e=t>>2;Se[a>>2]=0;var
f=Ca(r),_=Ae[r]<<24>>24==95;do{if(_){if(Ae[r+1|0]<<24>>24==90){var
s=0;v=13;break}v=3;break}v=3}while(0);do if(3==v){var n=Na(r,0|He.__str117,8);if(0!=(0|n)){var
s=1;v=13;break}var o=Ae[r+8|0];if(o<<24>>24!=46&&o<<24>>24!=95&&o<<24>>24!=36){var
s=1;v=13;break}var l=r+9|0,b=Ae[l];if(b<<24>>24!=68&&b<<24>>24!=73){\nvar
s=1;v=13;break}if(Ae[r+10|0]<<24>>24!=95){var s=1;v=13;break}var
k=f+29|0,u=Jr(k);if(0==(0|u)){Se[a>>2]=1;var
c=0;v=19;break}Ae[l]<<24>>24==73?Pa(u,0|He.__str118,30,1):Pa(u,0|He.__str119,29,1);var
h=r+11|0,c=(Ia(u,h),u);v=19;break}while(0);if(13==v){var s;K(r,17,f,t);var
d=Se[e+6],w=Ta(),p=Oe;Oe+=12*d,Oe=Oe+3>>2<<2;var

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E=Oe;if(Oe+=4*Se[e+9],Oe=Oe+3>>2<<2,Se[e+4]=p,Se[e+7]=E,s)var A=N(t),g=A;else var y=T(t,1),g=y;var
g,m=Ae[Se[e+3]]<<24>>24==0?g:0,S=Se[e+12]+f+10*Se[e+10]|0;if(0==(0|m))var M=0;else var
C=S/8+S|0,R=B(17,m,C,a),M=R;var M;Oa(w);var c=M|var c;return Oe=i,c}function Z(r){var
a=r+4|0,e=Se[a>>2];va(e),Se[a>>2]=0}function Q(r,a,e){var i,v=r+4|0,t=Me[v>>2],f=0==(0|t);do
if(!f){var i=(r+8|0)>>2,_=Me[i];if((_+e|0)>>>0>Me[r+12>>2]>>>0){tr(r,e);var s=Me[v>>2];if(0==(0|s))break;var
n=s,o=Se[i]}else var n=t,o=_;var o,n;Pa(n+o|0,a,e,1);var l=Se[i]+e|0;Se[i]=l}while(0)}function q(r,a,e){var
i,v,t=a+e|0,f=(0|e)>0;r:do if(f)for(var _=t,s=r+4|0,i=(r+8|0)>>2,n=r+12|0,o=a;;){var o,l=(_-
o|0)>3;a:do{if(l){if(Ae[o]<<24>>24!=95){v=21;break}if(Ae[o+1|0]<<24>>24!=95){v=21;break}if(Ae[o+2|0]<<24
>>24!=85){v=21;break}for(var b=o+3|0,k=0;;){var k,b;if(b>>>0>=t>>>0){v=21;break a}var
u=ge[b],c=u<<24>>24;if((u-48&255&255)<10)var h=c-48|0;else if((u-65&255&255)<6)var h=c-55|0;else{if((u-
97&255&255)>=6)break;var h=c-87|0}var
h,b=b+1|0,k=(k<<4)+h|0}if(!(u<<24>>24==95&k>>>0<256)){v=21;break}var d=Me[s>>2],w=0==(0|d);do
if(!w){var p=Me[i];if(p>>>0>=Me[n>>2]>>>0)break;Se[i]=p+1|0,Ae[d+p|0]=255&k;var E=b;v=25;break
a}while(0);Y(r,k);var E=b;v=25;break}v=21}while(0);a:do if(21==v){var A=Me[s>>2],g=0==(0|A);do if(!g){var
y=Me[i];if(y>>>0>=Me[n>>2]>>>0)break;var m=Ae[o];Se[i]=y+1|0,Ae[A+y|0]=m;var
E=o;break a}while(0);var S=Ae[o]<<24>>24;Y(r,S);var E=o}while(0);var E,M=E+1|0;if(M>>>0>=t>>>0)break
r;var o=M}while(0)}function $(r,a){var e,i,v,t,f,_,s,n=r>>2,o=Se[a>>2];r:do if(22==(0|o)||25==(0|o)){var
l=Me[n+1],b=0==(0|l);do if(!b){var _=(r+8|0)>>2,k=Me[_];if((k+9|0)>>>0>Me[n+3]>>>0)break;for(var
u=l+k|0,c=0|He.__str147,h=u,d=c+9;c<d;c++,h++)Ae[h]=Ae[c];var w=Se[_]+9|0;Se[_]=w;break
r}while(0);Q(r,0|He.__str147,9)}else if(23==(0|o)||26==(0|o)){var p=Me[n+1],E=0==(0|p);do if(!E){var
f=(r+8|0)>>2,A=Me[f];if((A+9|0)>>>0>Me[n+3]>>>0)break;for(var
g=p+A|0,c=0|He.__str148,h=g,d=c+9;c<d;c++,h++)Ae[h]=Ae[c];var y=Se[f]+9|0;Se[f]=y;break
r}while(0);Q(r,0|He.__str148,9)}else if(24==(0|o)||27==(0|o)){var m=Me[n+1],S=0==(0|m);do if(!S){var
t=(r+8|0)>>2,M=Me[t];if((M+6|0)>>>0>Me[n+3]>>>0)break;var
C=m+M|0;Ae[C]=Ae[0|He.__str149],Ae[C+1]=Ae[(0|He.__str149)+1],Ae[C+2]=Ae[(0|He.__str149)+2],Ae[C+3]=
Ae[(0|He.__str149)+3],Ae[C+4]=Ae[(0|He.__str149)+4],Ae[C+5]=Ae[(0|He.__str149)+5];var
R=Se[t]+6|0;Se[t]=R;break r}while(0);Q(r,0|He.__str149,6)}else if(28==(0|o)){var
T=Me[n+1],O=0==(0|T);do if(!O){var
N=r+8|0,I=Me[N>>2];if(I>>>0>=Me[n+3]>>>0){s=17;break}Se[N>>2]=I+1|0,Ae[T+I|0]=32,s=18;break}s=17}wh
ile(0);17==s&&Y(r,32);var P=Se[a+8>>2];H(r,P)}else if(29==(0|o)){if(0!=(4&Se[n|0]))break;var
D=Me[n+1],L=0==(0|D);do if(!L){var
F=r+8|0,X=Me[F>>2];if(X>>>0>=Me[n+3]>>>0)break;Se[F>>2]=X+1|0,Ae[D+X|0]=42;break
r}while(0);Y(r,42)}else if(30==(0|o)){var j=Me[n+1],U=0==(0|j);do if(!U){var
x=r+8|0,z=Me[x>>2];if(z>>>0>=Me[n+3]>>>0)break;Se[x>>2]=z+1|0,Ae[j+z|0]=38;break r}while(0);Y(r,38)}else
if(31==(0|o)){var V=Me[n+1],B=0==(0|V);do if(!B){var
v=(r+8|0)>>2,K=Me[v];if((K+8|0)>>>0>Me[n+3]>>>0)break;var
G=V+K|0,W=0|G;oe=1886220131,Ae[W]=255&oe,oe>>=8,Ae[W+1]=255&oe,oe>>=8,Ae[W+2]=255&oe,oe>>=8
,Ae[W+3]=255&oe;var
Z=G+4|0;oe=544761196,Ae[Z]=255&oe,oe>>=8,Ae[Z+1]=255&oe,oe>>=8,Ae[Z+2]=255&oe,oe>>=8,Ae[Z+3]=2
55&oe;var q=Se[v]+8|0;Se[v]=q;break r}while(0);Q(r,0|He.__str150,8)}else if(32==(0|o)){var
$=Me[n+1],J=0==(0|$);do if(!J){var i=(r+8|0)>>2,rr=Me[i];if((rr+10|0)>>>0>Me[n+3]>>>0)break;for(var
ar=$+rr|0,c=0|He.__str151,h=ar,d=c+10;c<d;c++,h++)Ae[h]=Ae[c];var er=Se[i]+10|0;Se[i]=er;break
r}while(0);Q(r,0|He.__str151,10)}else if(37==(0|o)){var ir=r+4|0,vr=Me[ir>>2],tr=0==(0|vr);do{if(!tr){var
fr=r+8|0,_r=Me[fr>>2];if(0!=(0|_r)&&Ae[vr+(_r-
1)|0]<<24>>24==40){s=42;break}if(_r>>>0>=Me[n+3]>>>0){s=41;break}Se[fr>>2]=_r+1|0,Ae[vr+_r|0]=32,s=42;
break}s=41}while(0);41==s&&Y(r,32);var sr=Se[a+4>>2];H(r,sr);var nr=Me[ir>>2],or=0==(0|nr);do if(!or){var
e=(r+8|0)>>2,lr=Me[e];if((lr+3|0)>>>0>Me[n+3]>>>0)break;var
br=nr+lr|0;Ae[br]=Ae[0|He.__str135],Ae[br+1]=Ae[(0|He.__str135)+1],Ae[br+2]=Ae[(0|He.__str135)+2];var

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kr=Se[e]+3|0;Se[e]=kr;break r}while(0);Q(r,0|He.__str135,3)}else if(3==(0|o)){var ur=Se[a+4>>2];H(r,ur)}else
H(r,a);while(0)}function J(r){var a=r+20|0,e=Se[a>>2];if((0|e)<(0|Se[r+24>>2])){var
i=Se[r+16>>2]+12*e|0,v=e+1|0;Se[a>>2]=v;var t=i}else var t=0;var t;return t}function
rr(r,a,e){var i,v,t,f,_=r>>2,s=e,t=s>>2,n=0;r:for(;;){var n,s,o=0==(0|s);do if(!o){if(0!=(0|Se[t+2]))break;var
l=Se[Se[t+1]>>2];if(29==(0|l)||30==(0|l)){f=9;break
r}}if(22==(0|l)||23==(0|l)||24==(0|l)||28==(0|l)||31==(0|l)||32==(0|l)||37==(0|l)){var b=Se[_+1];f=12;break r}var
s=Se[t],t=s>>2,n=1;continue r}while(0);if(0!=(0|Se[a+4>>2])&0==(0|n)){f=9;break}var
k=0,u=r+4|0,v=u>>2;f=22;break}do if(9==f){var c=Se[_+1];if(0==(0|c)){f=17;break}var
h=Se[_+2];if(0==(0|h)){var d=c;f=13;break}var w=Ae[c+(h-
1)|0];if(w<<24>>24==40||w<<24>>24==42){f=18;break}var b=c;f=12;break}while(0);do if(12==f){var
b;if(0==(0|b)){f=17;break}var d=b;f=13;break}while(0);do if(13==f){var
d,p=r+8|0,E=Me[p>>2];if(0!=(0|E)&&Ae[d+(E-
1)|0]<<24>>24==32){f=18;break}if(E>>>0>=Me[_+3]>>>0){f=17;break}Se[p>>2]=E+1|0,Ae[d+E|0]=32,f=18;bre
ak}while(0);do if(17==f){Y(r,32),f=18;break}while(0);r:do if(18==f){var A=r+4|0,g=Me[A>>2],y=0==(0|g);do
if(!y){var m=r+8|0,S=Me[m>>2];if(S>>>0>=Me[_+3]>>>0)break;Se[m>>2]=S+1|0,Ae[g+S|0]=40;var
k=1,u=A,v=u>>2;break r}while(0);Y(r,40);var k=1,u=A,v=u>>2}while(0);var
u,k,i=(r+20|0)>>2,M=Se[i];Se[i]=0,vr(r,e,0);r:do if(k){var C=Me[v],R=0==(0|C);do if(!R){var
T=r+8|0,O=Me[T>>2];if(O>>>0>=Me[_+3]>>>0)break;Se[T>>2]=O+1|0,Ae[C+O|0]=41;break
r}while(0);Y(r,41)}while(0);var N=Me[v],I=0==(0|N);do if(!I){var
P=r+8|0,D=Me[P>>2];if(D>>>0>=Me[_+3]>>>0){f=30;break}Se[P>>2]=D+1|0,Ae[N+D|0]=40,f=31;break}f=30}
while(0);30==f&&Y(r,40);var L=Se[a+8>>2];0!=(0|L)&&H(r,L);var F=Me[v],X=0==(0|F);do if(!X){var
j=r+8|0,U=Me[j>>2];if(U>>>0>=Me[_+3]>>>0){f=36;break}Se[j>>2]=U+1|0,Ae[F+U|0]=41,f=37;break}f=36}wh
ile(0);36==f&&Y(r,41),vr(r,e,1),Se[i]=M}function ar(r,a,e){var i,v,t,f,_=0==(0|e);do if(!_){var
s=e,v=s>>2;r:for(;;){var s;if(0==(0|s)){var n=1;t=14;break}if(0==(0|Se[v+2])){var
o=36==(0|Se[Se[v+1]>>2]),l=1&o^1;if(o){var n=1;t=14;break}var b=r+4|0,k=Me[b>>2],u=0==(0|k);do if(!u){var
i=(r+8|0)>>2,c=Me[i];if((c+2|0)>>>0>=Me[f+3]>>>0){t=9;break}var
h=k+c|0;oe=10272,Ae[h]=255&oe,oe>>=8,Ae[h+1]=255&oe;var
d=Se[i]+2|0;Se[i]=d,vr(r,e,0),t=10;break}t=9}while(0);9==t&&(Q(r,0|He.__str140,2),vr(r,e,0));var
w=Me[b>>2],p=0==(0|w);do if(!p){var
E=r+8|0,A=Me[E>>2];if(A>>>0>=Me[f+3]>>>0)break;Se[E>>2]=A+1|0,Ae[w+A|0]=41;var g=l;t=15;break
r}while(0);Y(r,41);var g=l;t=15;break}var s=Se[v],v=s>>2;if(14==t){var n;vr(r,e,0);var g=n}var
g;if(0!=(0|g)){t=17;break}var y=r+4|0;t=21;break}t=17}while(0);r:do if(17==t){var
m=r+4|0,S=Me[m>>2],M=0==(0|S);do if(!M){var
C=r+8|0,R=Me[C>>2];if(R>>>0>=Me[f+3]>>>0)break;Se[C>>2]=R+1|0,Ae[S+R|0]=32;var y=m;break
r}while(0);Y(r,32);var y=m}while(0);var y,T=Me[y>>2],O=0==(0|T);do if(!O){var
N=r+8|0,I=Me[N>>2];if(I>>>0>=Me[f+3]>>>0){t=24;break}Se[N>>2]=I+1|0,Ae[T+I|0]=91,t=25;break}t=24}whil
e(0);24==t&&Y(r,91);var P=Se[a+4>>2];0!=(0|P)&&H(r,P);var D=Me[y>>2],L=0==(0|D);do if(!L){var
F=r+8|0,X=Me[F>>2];if(X>>>0>=Me[f+3]>>>0){t=30;break}Se[F>>2]=X+1|0,Ae[D+X|0]=93,t=31;break}t=30}wh
ile(0);30==t&&Y(r,93)}function er(r,a){var e,i,v,t,f,_s=Oe;Oe+=8;var
n,o=s,_=(a+4|0)>>2,l=Se[_];if(4==(0|Se[l>>2])){var f=(r+20|0)>>2,b=Se[f];Se[f]=0;var
t=(r+16|0)>>2,k=Se[t],u=0|o;Se[u>>2]=k,Se[t]=o;var c=Se[_];Se[o+4>>2]=c;var h=Se[c+4>>2];H(r,h);var
d=Se[u>>2];Se[t]=d;var v=(r+4|0)>>2,w=Me[v],p=0==(0|w);do if(!p){var i=(r+8|0)>>2,E=Me[i],A=0==(0|E);do
if(!A){if(Ae[w+(E-
1)|0]<<24>>24!=60)break;E>>>0<Me[r+12>>2]>>>0?(Se[i]=E+1|0,Ae[w+E|0]=32):Y(r,32)}while(0);var
g=Me[v];if(0==(0|g)){n=12;break}var
y=Me[i];if(y>>>0>=Me[r+12>>2]>>>0){n=12;break}Se[i]=y+1|0,Ae[g+y|0]=60,n=13;break}n=12}while(0);12==n
&&Y(r,60);var m=Se[Se[_]+8>>2];H(r,m);var S=Me[v],M=0==(0|S);do if(!M){var
e=(r+8|0)>>2,C=Me[e],R=0==(0|C);do if(!R){if(Ae[S+(C-

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1)|0|<<24>>24!=62)break;C>>>0<Me[r+12>>2]>>>0?(Se[e]=C+1|0,Ae[S+C|0]=32):Y(r,32)}while(0);var
T=Me[v];if(0==(0|T)){n=22;break}var
O=Me[e];if(O>>>0>=Me[r+12>>2]>>>0){n=22;break}Se[e]=O+1|0,Ae[T+O|0]=62,n=23;break}n=22}while(0);22
==n&&Y(r,62),Se[f]=b}else H(r,l);Oe=s}function ir(r,a){var e,i=40==(0|Se[a>>2]);r:do if(i){var
v=Me[r+4>>2],t=0==(0|v);do{if(!t){var
e=(r+8|0)>>2,f=Me[e],_=a+4|0,s=Me[_>>2],n=Me[s+8>>2];if((n+f|0)>>>0>Me[r+12>>2]>>>0){var
o=s,l=n;break}var b=v+f|0,k=Se[s+4>>2];Pa(b,k,n,1);var u=Se[e]+Se[Se[_>>2]+8>>2]|0;Se[e]=u;break r}var
c=Me[a+4>>2],o=c,l=Se[c+8>>2]}while(0);var l,o,h=Se[o+4>>2];Q(r,h,l)}else H(r,a);while(0)}function
vr(r,a,e){var i,v,t,f,_,f=(r+4|0)>>2,s=0==(0|e),t=(r+16|0)>>2;r:do if(s)for(var n=a;;){var n;if(0==(0|n)){_=29;break
r}if(0==(0|Se[f])){_=29;break r}var o=n+8|0,l=0==(0|Se[o>>2]);do if(l){var b=n+4|0;if((Se[Se[b>>2]>>2]-
25|0)>>>0<3)break;Se[o>>2]=1;var k=Me[t],u=Se[n+12>>2];Se[t]=u;var
c=Me[b>>2],h=Se[c>>2];if(35==(0|h)){var d=n,w=k,p=c;_=14;break r}if(36==(0|h)){var E=n,A=k,g=c;_=15;break
r}if(2==(0|h)){var y=k,m=b;_=16;break r}$(r,c),Se[t]=k}while(0);var n=Se[n>>2]}else for(var S=a;;){var
S;if(0==(0|S)){_=29;break r}if(0==(0|Se[f])){_=29;break r}var M=S+8|0;if(0==(0|Se[M>>2])){Se[M>>2]=1;var
C=Me[t],R=Se[S+12>>2];Se[t]=R;var T=S+4|0,O=Me[T>>2],N=Se[O>>2];if(35==(0|N)){var
d=S,w=C,p=O;_=14;break r}if(36==(0|N)){var E=S,A=C,g=O;_=15;break r}if(2==(0|N)){var
y=C,m=T;_=16;break r}$(r,O),Se[t]=C}var S=Se[S>>2]}while(0);if(14==_){var
p,w,d,I=Se[d>>2];rr(r,p,I),Se[t]=w}else if(15==_){var g,A,E,P=Se[E>>2];ar(r,g,P),Se[t]=A}else if(16==_){var
m,y,v=(r+20|0)>>2,D=Se[v];Se[v]=0;var L=Se[Se[m>>2]+4>>2];H(r,L),Se[v]=D;var
F=0==(4&Se[r>>2]|0),X=Me[f],j=0!=(0|X);r:do if(F){do if(j){var
i=(r+8|0)>>2,U=Me[i];if((U+2|0)>>>0>Me[r+12>>2]>>>0)break;var
x=X+U|0;oe=14906,Ae[x]=255&oe,oe>>=8,Ae[x+1]=255&oe;var z=Se[i+2|0];Se[i]=z;break
r}while(0);Q(r,0|He.__str120,2)}else{do if(j){var
V=r+8|0,B=Me[V>>2];if(B>>>0>=Me[r+12>>2]>>>0)break;Se[V>>2]=B+1|0,Ae[X+B|0]=46;break
r}while(0);Y(r,46)}while(0);var K=Me[Se[m>>2]+8>>2],G=(Se[K>>2]-25|0)>>>0<3;r:do if(G)for(var W=K;;){var
W,Z=Me[W+4>>2];if((Se[Z>>2]-25|0)>>>0>=3){var q=Z;break r}var W=Z}else var q=K;while(0);var
q;H(r,q),Se[t]=y}}function tr(r,a){var e,e=(r+4|0)>>2,i=Se[e],v=0==(0|i);r:do if(!v){for(var
t=Se[r+8>>2]+a|0,f=r+12|0,_=Se[f>>2],s=i;;){var
s,_,if(t>>>0<=_>>>0)break r;var n=_<<1,o=fa(s,n);if(0==(0|o))break;Se[e]=o,Se[f>>2]=n;var _=n,s=o}var
l=Se[e];va(l),Se[e]=0,Se[r+24>>2]=1}while(0)}function fr(r,a,e){var i,v=J(r),i=v>>2;return
0!=(0|v)&&(Se[i]=21,Se[i+1]=a,Se[i+2]=e),v}function _r(r){var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e]<<24>>24;if(88==(0|i)){var v=e+1|0;Se[a]=v;var
t=nr(r),f=Se[a],_=f+1|0;Se[a]=_,var s=Ae[f]<<24>>24==69?t:0,n=s}else if(76==(0|i))var o=or(r),n=o;else var
l=N(r),n=l;var n;return n}function sr(r){var a,a=(r+12|0)>>2,e=Se[a],i=Ae[e];if(i<<24>>24==110){var
v=e+1|0;Se[a]=v;var t=1,f=Ae[v],_=v}else var t=0,f=i,_=e;var _,f,t,s=(f-48&255&255)<10;r:do if(s)for(var
n=f,o=0,l=_;;){var l,o,n,b=(n<<24>>24)-48+10*o|0,k=l+1|0;Se[a]=k;var u=ge[k];if((u-48&255&255)>=10){var
c=b;break r}var n=u,o=b,l=k}else var c=0;while(0);var c,h=0==(0|t)?c:0|-c;return h}function nr(r){var
a,e,a=(r+12|0)>>2,i=Se[a],v=Ae[i];do{if(v<<24>>24==76){var t=or(r),f=t;e=21;break}if(v<<24>>24==84){var
=x(r),f=;e=21;break}if(v<<24>>24==115){if(Ae[i+1|0]<<24>>24!=114){e=8;break}var
s=i+2|0;Se[a]=s;var n=N(r),o=br(r);if(Ae[Se[a]]<<24>>24==73){var
l=z(r),b=D(r,4,o,l),k=D(r,1,n,b),f=k;e=21;break}var u=D(r,1,n,o),f=u;e=21;break}e=8}while(0);r:do if(8==e){var
c=kr(r);if(0==(0|c)){var f=0;break}var h=0|c,d=Se[h>>2],w=40==(0|d);do{if(w){var
p=c+4|0,E=r+48|0,A=Se[Se[p>>2]+8>>2]-2+Se[E>>2]|0;Se[E>>2]=A;var g=Se[h>>2];if(40!=(0|g)){var
y=g;e=13;break}var m=Se[p>>2],S=Se[m>>2],M=Da(S,0|He.__str90);if(0!=(0|M)){var C=m;e=15;break}var
R=N(r),T=D(r,43,c,R),f=T;break r}var y=d;e=13}while(0);do if(13==e){var y;if(40==(0|y)){var
C=Se[c+4>>2];e=15;break}if(41==(0|y)){var O=c+4|0;e=17;break}if(42==(0|y)){e=18;break}var f=0;break
r}while(0);do if(15==e){var C,O=C+12|0;e=17;break}while(0);do if(17==e){var
O,I=Se[O>>2];if(1==(0|I))break;if(2==(0|I)){var P=nr(r),L=nr(r),F=D(r,45,P,L),X=D(r,44,c,F);return

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X}if(3==(0|I)){var j=nr(r),U=nr(r),V=nr(r),B=D(r,48,U,V),H=D(r,47,j,B),K=D(r,46,c,H);return K}var f=0;break
r}while(0);var
Y=nr(r),G=D(r,43,c,Y);return G}while(0);var f;return f}function or(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==76;r:do if(v){if(Ae[i]<<24>>24==95)var
t=T(r,0),f=t;else{var _=N(r);if(0==(0|_)){var s=0;break}var n=33==(0|Se[_>>2]);do if(n){var
o=Se[_+4>>2];if(0==(0|Se[o+16>>2]))break;var l=r+48|0,b=Se[l>>2]-Se[o+4>>2]|0;Se[l>>2]=b}while(0);var
k=Se[a];if(Ae[k]<<24>>24==110){var u=k+1|0;Se[a]=u;var c=50,h=u}else var c=49,h=k;for(var h,c,d=h;;){var
d,w=Ae[d];if(w<<24>>24==69)break;if(w<<24>>24==0){var s=0;break r}var p=d+1|0;Se[a]=p;var d=p}var
E=lr(r,h,d-h|0),A=D(r,c,_,E),f=A}var f,g=Se[a],y=g+1|0;Se[a]=y;var m=Ae[g]<<24>>24==69?f:0,s=m}else var
s=0;while(0);var s;return s}function lr(r,a,e){var i=J(r),v=m(i,a,e),t=0==(0|v)?0:i;return t}function br(r){var
a=r+12|0,e=Me[a>>2],i=ge[e],v=(i-48&255&255)<10;do if(v)var t=L(r),f=t;else if((i-97&255&255)<26){var
=kr(r);if(0==(0|)){var f=0;break}if(40!=(0|Se[_>>2])){var f=_;break}var
s=r+48|0,n=Se[Se[_+4>>2]+8>>2]+Se[s>>2]+7|0;Se[s>>2]=n;var
f=_}else if(i<<24>>24==67||i<<24>>24==68)var o=hr(r),f=o;else{if(i<<24>>24!=76){var
f=0;break}Se[a>>2]=e+1|0;var l=L(r);if(0==(0|l)){var f=0;break}var b=dr(r),k=0==(0|b)?0:l,f=k}while(0);var
f;return f}function kr(r){var a,e,a=(r+12|0)>>2,i=Se[a],v=i+1|0;Se[a]=v;var t=ge[i],f=i+2|0;Se[a]=f;var
_=ge[v];do{if(t<<24>>24==118){if((-48&255&255)>=10){var s=49,n=0,e=6;break}var o=(_<<24>>24)-
48|0,l=L(r),b=ur(r,o,l),k=b;e=14;break}if(t<<24>>24==99){if(_<<24>>24!=118){var s=49,n=0,e=6;break}var
u=N(r),c=D(r,42,u,0),k=c;e=14;break}var s=49,n=0,e=6}while(0);r:do if(6==e){for(;;){var n,s,h=(s-
n)/2+n|0,d=(h<<4)+r|0,w=Se[d>>2],p=Ae[w],E=t<<24>>24==p<<24>>24;if(E&&_<<24>>24==Ae[w+1|0]<<24>
>24)break;var A=t<<24>>24<p<<24>>24;do if(A)var
g=h,y=n;else{if(E&&_<<24>>24<Ae[w+1|0]<<24>>24){var g=h,y=n;break}var g=s,y=h+1|0}while(0);var
y,g;if((0|y)==(0|g)){var k=0;break r}var s=g,n=y}var m=cr(r,d),k=m}while(0);var k;return k}function ur(r,a,e){var
i=J(r),v=S(i,a,e),t=0==(0|v)?0:i;return
t}function cr(r,a){var e=J(r);return 0!=(0|e)&&(Se[e>>2]=40,Se[e+4>>2]=a),e}function hr(r){var
a,e,i=Se[r+44>>2],e=i>>2,v=0==(0|i);do if(!v){var t=Se[e];if(0==(0|t)){var
f=r+48|0, _=Se[f>>2]+Se[e+2]|0;Se[f>>2]=_}else{if(21!=(0|t))break;var
s=r+48|0,n=Se[s>>2]+Se[e+2]|0;Se[s>>2]=n} }while(0);var a=(r+12|0)>>2,o=Se[a],l=o+1|0;Se[a]=l;var
b=Ae[o]<<24>>24;do if(67==(0|b)){var k=o+2|0;Se[a]=k;var u=Ae[l]<<24>>24;if(49==(0|u))var c=1;else
if(50==(0|u))var c=2;else{if(51!=(0|u)){var h=0;break}var c=3}var c,d=wr(r,c,i),h=d}else if(68==(0|b)){var
w=o+2|0;Se[a]=w;var p=Ae[l]<<24>>24;if(48==(0|p))var E=1;else if(49==(0|p))var E=2;else{if(50!=(0|p)){var
h=0;break}var E=3}var E,A=pr(r,E,i),h=A}else var h=0;while(0);var h;return h}function dr(r){var
a=r+12|0,e=Se[a>>2];if(Ae[e]<<24>>24==95){var i=e+1|0;Se[a>>2]=i;var v=sr(r),t=v>>>31^1}else var t=1;var
t;return t}function wr(r,a,e){var i=J(r),v=M(i,a,e),t=0==(0|v)?0:i;return t}function pr(r,a,e){var
i=J(r),v=C(i,a,e),t=0==(0|v)?0:i;return t}function
Er(r,a){var e=J(r);return 0!=(0|e)&&(Se[e>>2]=5,Se[e+4>>2]=a),e}function Ar(r){var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e]<<24>>24;do if(78==(0|i))var v=gr(r),t=v;else if(90==(0|i))var f=yr(r),t=f;else
if(76==(0|i))var _=br(r),t=_;else if(83==(0|i)){if(Ae[e+1|0]<<24>>24==116){var s=e+2|0;Se[a]=s;var
n=lr(r,0|He.__str152,3),o=br(r),l=D(r,1,n,o),b=r+48|0,k=Se[b>>2]+3|0;Se[b>>2]=k;var u=0,c=l}else var
h=V(r,0),u=1,c=h;var c,u;if(Ae[Se[a]]<<24>>24!=73){var t=c;break}if(0==(0|u)){var d=R(r,c);if(0==(0|d)){var
t=0;break} }var w=z(r),p=D(r,4,c,w),t=p}else{var E=br(r);if(Ae[Se[a]]<<24>>24!=73){var t=E;break}var
A=R(r,E);if(0==(0|A)){var t=0;break}var g=z(r),y=D(r,4,E,g),t=y}while(0);var t;return t}function gr(r){var
a,e=Oe;Oe+=4;var i=e,a=(r+12|0)>>2,v=Se[a],t=v+1|0;Se[a]=t;var f=Ae[v]<<24>>24==78;do if(f){var
=I(r,i,1);if(0==(0|)){var s=0;break}var n=mr(r);if(Se[_>>2]=n,0==(0|n)){var s=0;break}var
o=Se[a],l=o+1|0;if(Se[a]=l,Ae[o]<<24>>24!=69){var s=0;break}var s=Se[i>>2]}else var s=0;while(0);var
s;return Oe=e,s}function yr(r){var a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==90;do
if(v){var t=O(r,0),f=Se[a],_=f+1|0;if(Se[a]=_,Ae[f]<<24>>24!=69){var s=0;break}if(Ae[_<<24>>24==115){var
n=f+2|0;Se[a]=n;var o=dr(r);if(0==(0|o)){var s=0;break}var l=lr(r,0|He.__str168,14),b=D(r,2,t,l),s=b}else{var

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k=Ar(r),u=dr(r);if(0==(0|u)){var s=0;break}var c=D(r,2,t,k),s=c}}else var s=0;while(0);var s;return s}function
mr(r){var a,e=r+12|0,i=0;r:for(;;){var i,v=ge[Se[e>>2]];if(v<<24>>24==0){var t=0;break}var f=(v-
48&255&255)<10|(v-
97&255&255)<26;do{if(!f){if(v<<24>>24==76||v<<24>>24==68||v<<24>>24==67){a=5;break}if(v<<24>>24==8
3){var _=V(r,1),s=_;a=10;break}if(v<<24>>24==73){if(0==(0|i)){var t=0;break r}var
n=z(r),o=4,l=n;a=11;break}if(v<<24>>24==84){var b=x(r),s=b;a=10;break}if(v<<24>>24==69){var t=i;break
r}var t=0;break r}a=5}while(0);do if(5==a){var k=br(r),s=k;a=10;break}while(0);do if(10==a){var
s;if(0==(0|i)){var u=s;a=12;break}var o=1,l=s;a=11;break}while(0);if(11==a)var
l,o,c=D(r,o,i,l),u=c;var u;if(v<<24>>24!=83)if(Ae[Se[e>>2]]<<24>>24!=69){var h=R(r,u);if(0==(0|h)){var
t=0;break}var i=u}else var i=u;else var i=u}var t;return t}function Sr(r,a){var e,i,v=Oe;Oe+=4;var
t=v,i=t>>2,e=(r+12|0)>>2,f=Se[e];if(Ae[f]<<24>>24==74){var _=f+1|0;Se[e]=_;var s=1}else var s=a;var
s;Se[i]=0;var n=s,o=0,l=t;r:for(;;)for(var l,o,n,b=n,k=o;;){var
k,b,u=Ae[Se[e]];if(u<<24>>24==0||u<<24>>24==69){var c=Se[i];if(0==(0|c)){var h=0;break r}var
d=0==(0|Se[c+8>>2]);do if(d){var w=Se[c+4>>2];if(33!=(0|Se[w>>2])){var p=c;break}var
E=Se[w+4>>2];if(9!=(0|Se[E+16>>2])){var p=c;break}var A=r+48|0,g=Se[A>>2]-
Se[E+4>>2]|0;Se[A>>2]=g,Se[i]=0;var p=0}else var p=c;while(0);var p,y=D(r,35,k,p),h=y;break r}var
m=N(r);if(0==(0|m)){var h=0;break r}if(0==(0|b)){var S=D(r,38,m,0);if(Se[l>>2]=S,0==(0|S)){var h=0;break r}var
n=0,o=k,l=S+8|0;continue r}var b=0,k=m}var h;return Oe=v,h}function Mr(r){for(var a=r;;){var a;if(0==(0|a)){var
e=0;break}var i=Se[a>>2];if(1!=(0|i)&&2!=(0|i)){if(6==(0|i)||7==(0|i)||42==(0|i)){var
e=1;break}var e=0;break}var a=Se[a+8>>2]}var e;return e}function Cr(r){var
a=r>>2;Se[a+3]=0,Se[a+2]=0,Se[a+1]=0,Se[a]=0,Se[a+4]=0}function Rr(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=(Se[r+4>>2]-i|0)<(0|a);r:do if(v)var t=0;else{var f=i+a|0;Se[e]=f;var
=0==(4&Se[r+8>>2]|0);do if(!){if(Ae[f]<<24>>24!=36)break;var s=a+(i+1)|0;Se[e]=s}while(0);var n=(0|a)>9;do
if(n){var o=La(i,0|He.__str117,8);if(0!=(0|o))break;var
l=Ae[i+8|0];if(l<<24>>24!=46&&l<<24>>24!=95&&l<<24>>24!=36)break;if(Ae[i+9|0]<<24>>24!=78)break;var
b=r+48|0,k=22-a+Se[b>>2]|0;Se[b>>2]=k;var u=lr(r,0|He.__str169,21),t=u;break r}while(0);var
c=lr(r,i,a),t=c}while(0);var t;return t}function Tr(r){var a,e,e=(r+48|0)>>2,i=Se[e],v=i+20|0;Se[e]=v;var
a=(r+12|0)>>2,t=Se[a],f=t+1|0;Se[a]=f;var _=Ae[t];do if(_<<24>>24==84){var s=t+2|0;Se[a]=s;var
n=Ae[f]<<24>>24;if(86==(0|n)){var o=i+15|0;Se[e]=o;var l=N(r),b=D(r,8,l,0),k=b}else if(84==(0|n)){var
u=i+10|0;Se[e]=u;var c=N(r),h=D(r,9,c,0),k=h}else if(73==(0|n))var
d=N(r),w=D(r,11,d,0),k=w;else if(83==(0|n))var p=N(r),E=D(r,12,p,0),k=E;else if(104==(0|n)){var
A=Nr(r,104);if(0==(0|A)){var k=0;break}var g=O(r,0),y=D(r,14,g,0),k=y}else if(118==(0|n)){var
m=Nr(r,118);if(0==(0|m)){var k=0;break}var S=O(r,0),M=D(r,15,S,0),k=M}else if(99==(0|n)){var
C=Nr(r,0);if(0==(0|C)){var k=0;break}var R=Nr(r,0);if(0==(0|R)){var k=0;break}var
T=O(r,0),I=D(r,16,T,0),k=I}else if(67==(0|n)){var P=N(r),L=sr(r);if((0|L)<0){var k=0;break}var
F=Se[a],X=F+1|0;if(Se[a]=X,Ae[F]<<24>>24!=95){var k=0;break}var j=N(r),U=Se[e]+5|0;Se[e]=U;var
x=D(r,10,j,P),k=x}else if(70==(0|n))var z=N(r),V=D(r,13,z,0),k=V;else{if(74!=(0|n)){var k=0;break}var
B=N(r),H=D(r,17,B,0),k=H}}else if(_<<24>>24==71){var K=t+2|0;Se[a]=K;var
Y=Ae[f]<<24>>24;if(86==(0|Y))var G=Ar(r),W=D(r,18,G,0),k=W;else if(82==(0|Y))var
Z=Ar(r),Q=D(r,19,Z,0),k=Q;else{if(65!=(0|Y)){var k=0;break}var q=O(r,0),$_=D(r,20,q,0),k=$_}}else var
k=0;while(0);var k;return k}function Or(r){for(var a,e=r,a=e>>2;;){var e;if(0==(0|e)){var
i=0;break}var v=Se[a];if(4==(0|v)){var
t=Se[a+1],f=Mr(t),i=0==(0|f)&1;break}if(25!=(0|v)&&26!=(0|v)&&27!=(0|v)){var i=0;break}var
e=Se[a+1],a=e>>2}var i;return i}function Nr(r,a){var e;if(0==(0|a)){var
i=r+12|0,v=Se[i>>2],t=v+1|0;Se[i>>2]=t;var f=Ae[v]<<24>>24}else var f=a;var f;do{if(104==(0|f)){var
_=(sr(r),r+12|0);e=7;break}if(118==(0|f)){var
s=(sr(r),r+12|0),n=Se[s>>2],o=n+1|0;if(Se[s>>2]=o,Ae[n]<<24>>24!=95){var l=0;e=8;break}var
_=(sr(r),s);e=7;break}var l=0;e=8}while(0);if(7==e){var _,b=Se[_>>2],k=b+1|0;Se[_>>2]=k;var

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l=Ae[b]<<24>>24==95&1}var l;return l}function Ir(r){var a,e,i=r>>2,v=Oe;Oe+=56;var
t,f=v,_=v+8,s=v+16,n=v+36,e=(0|r)>>2,o=Se[e],l=0==(8192&o|0);r:do{if(l){var
a=(r+12|0)>>2,b=Se[a];if(Ae[b]<<24>>24!=63){var k=0;t=111;break}var u=b+1|0;Se[a]=u;var c=Ae[u];do
if(c<<24>>24==63){if(Ae[b+2|0]<<24>>24==36){var h=b+3|0;if(Ae[h]<<24>>24!=63){var
d=5;t=90;break}Se[a]=h;var w=6,p=h}else var w=0,p=u;var p,w,E=p+1|0;Se[a]=E;var A=Ae[E]<<24>>24;do
if(48==(0|A)){var g=1;t=81}else{if(49==(0|A)){var
g=2;t=81;break}if(50!=(0|A)){if(51==(0|A)){var y=0|He.__str2172,m=E;t=82;break}if(52==(0|A)){var
y=0|He.__str3173,m=E;t=82;break}if(53==(0|A)){var y=0|He.__str4174,m=E;t=82;break}if(54==(0|A)){var
y=0|He.__str5175,m=E;t=82;break}if(55==(0|A)){var y=0|He.__str6176,m=E;t=82;break}if(56==(0|A)){var
y=0|He.__str7177,m=E;t=82;break}if(57==(0|A)){var y=0|He.__str8178,m=E;t=82;break}if(65==(0|A)){var
y=0|He.__str9179,m=E;t=82;break}if(66==(0|A)){Se[a]=p+2|0;var
S=0|He.__str10180,M=3;t=88;break}if(67==(0|A)){var y=0|He.__str11181,m=E;t=82;break}if(68==(0|A)){var
y=0|He.__str12182,m=E;t=82;break}if(69==(0|A)){var y=0|He.__str13183,m=E;t=82;break}if(70==(0|A)){var
y=0|He.__str14184,m=E;t=82;break}if(71==(0|A)){var y=0|He.__str15185,m=E;t=82;break}if(72==(0|A)){var
y=0|He.__str16186,m=E;t=82;break}if(73==(0|A)){var y=0|He.__str17187,m=E;t=82;break}if(74==(0|A)){var
y=0|He.__str18188,m=E;t=82;break}if(75==(0|A)){var y=0|He.__str19189,m=E;t=82;break}if(76==(0|A)){var
y=0|He.__str20190,m=E;t=82;break}if(77==(0|A)){var
y=0|He.__str21191,m=E;t=82;break}if(78==(0|A)){var y=0|He.__str22192,m=E;t=82;break}if(79==(0|A)){var
y=0|He.__str23193,m=E;t=82;break}if(80==(0|A)){var y=0|He.__str24194,m=E;t=82;break}if(81==(0|A)){var
y=0|He.__str25195,m=E;t=82;break}if(82==(0|A)){var y=0|He.__str26196,m=E;t=82;break}if(83==(0|A)){var
y=0|He.__str27197,m=E;t=82;break}if(84==(0|A)){var y=0|He.__str28198,m=E;t=82;break}if(85==(0|A)){var
y=0|He.__str29199,m=E;t=82;break}if(86==(0|A)){var y=0|He.__str30200,m=E;t=82;break}if(87==(0|A)){var
y=0|He.__str31201,m=E;t=82;break}if(88==(0|A)){var y=0|He.__str32202,m=E;t=82;break}if(89==(0|A)){var
y=0|He.__str33203,m=E;t=82;break}if(90==(0|A)){var y=0|He.__str34204,m=E;t=82;break}if(95==(0|A)){var
C=p+2|0;Se[a]=C;var R=Ae[C]<<24>>24;if(48==(0|R)){var
y=0|He.__str35205,m=C;t=82;break}if(49==(0|R)){var y=0|He.__str36206,m=C;t=82;break}if(50==(0|R)){var
y=0|He.__str37207,m=C;t=82;break}if(51==(0|R)){var y=0|He.__str38208,m=C;t=82;break}if(52==(0|R)){var
y=0|He.__str39209,m=C;t=82;break}if(53==(0|R)){var y=0|He.__str40210,m=C;t=82;break}if(54==(0|R)){var
y=0|He.__str41211,m=C;t=82;break}if(55==(0|R)){var y=0|He.__str42212,m=C;t=82;break}if(56==(0|R)){var
y=0|He.__str43213,m=C;t=82;break}if(57==(0|R)){var y=0|He.__str44214,m=C;t=82;break}if(65==(0|R)){var
y=0|He.__str45215,m=C;t=82;break}if(66==(0|R)){var
y=0|He.__str46216,m=C;t=82;break}if(67==(0|R)){Se[a]=p+3|0;var
T=0|He.__str47217;t=84;break}if(68==(0|R)){var y=0|He.__str48218,m=C;t=82;break}if(69==(0|R)){var
y=0|He.__str49219,m=C;t=82;break}if(70==(0|R)){var y=0|He.__str50220,m=C;t=82;break}if(71==(0|R)){var
y=0|He.__str51221,m=C;t=82;break}if(72==(0|R)){var y=0|He.__str52222,m=C;t=82;break}if(73==(0|R)){var
y=0|He.__str53223,m=C;t=82;break}if(74==(0|R)){var y=0|He.__str54224,m=C;t=82;break}if(75==(0|R)){var
y=0|He.__str55225,m=C;t=82;break}if(76==(0|R)){var y=0|He.__str56226,m=C;t=82;break}if(77==(0|R)){var
y=0|He.__str57227,m=C;t=82;break}if(78==(0|R)){var y=0|He.__str58228,m=C;t=82;break}if(79==(0|R)){var
y=0|He.__str59229,m=C;t=82;break}if(82==(0|R)){var O=4|0;Se[e]=O;var N=p+3|0;Se[a]=N;var
I=Ae[N]<<24>>24;if(48==(0|I)){Se[a]=p+4|0,Cr(s);var
P=(Pr(r,_,s,0),Se[_>>2]),D=Se[_+4>>2],L=Dr(r,0|He.__str60230,(ne=Oe,Oe+=8,Se[ne>>2]=P,Se[ne+4>>2]=D,ne)
),F=Se[a]-1|0;Se[a]=F;var y=L,m=F;t=82;break}if(49==(0|I)){Se[a]=p+4|0;var
X=Lr(r),j=Lr(r),U=Lr(r),x=Lr(r),z=Se[a]-1|0;Se[a]=z;var
V=Dr(r,0|He.__str61231,(ne=Oe,Oe+=16,Se[ne>>2]=X,Se[ne+4>>2]=j,Se[ne+8>>2]=U,Se[ne+12>>2]=x,ne)),y=V
,m=Se[a];t=82;break}if(50==(0|I)){var y=0|He.__str62232,m=N;t=82;break}if(51==(0|I)){var
y=0|He.__str63233,m=N;t=82;break}if(52==(0|I)){var y=0|He.__str64234,m=N;t=82;break}var
y=0,m=N;t=82;break}if(83==(0|R)){var y=0|He.__str65235,m=C;t=82;break}if(84==(0|R)){var
y=0|He.__str66236,m=C;t=82;break}if(85==(0|R)){var y=0|He.__str67237,m=C;t=82;break}if(86==(0|R)){var

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y=0|He.__str68238,m=C;t=82;break}if(88==(0|R)){var y=0|He.__str69239,m=C;t=82;break}if(89==(0|R)){var
y=0|He.__str70240,m=C;t=82;break}var
k=0;t=111;break r}var k=0;t=111;break r}var y=0|He.__str1171,m=E;t=82}while(0);do{if(81==t){var
g;Se[a]=p+2|0;var B=g;t=83;break}if(82==t){var m,y;if(Se[a]=m+1|0,1==(0|w)||2==(0|w)){var
B=w;t=83;break}if(4==(0|w)){var T=y;t=84;break}if(6!=(0|w)){var S=y,M=w;t=88;break}Cr(n);var
H=Xr(r,n,0,60,62);if(0==(0|H))var K=y;else var
Y=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=y,Se[ne+4>>2]=H,ne)),K=Y;var K;Se[i+6]=0;var
S=K,M=w;t=88;break}}while(0);if(83==t){var B,G=r+40|0,W=Fr(r,0|He.__symbol_demangle_dashed_null,-
1,G);if(0==(0|W)){var k=0;t=111;break r}var d=B;t=90;break}if(84==t){var T;Se[i+4]=T;var
Z=1,Q=T;t=109;break r}if(88==t){var M,S,q=r+40|0,$=Fr(r,S,-1,q);if(0==(0|$)){var k=0;t=111;break r}var
d=M;t=90;break}}else{if(c<<24>>24==36){var J=b+2|0;Se[a]=J;var rr=jr(r);Se[i+4]=rr;var
ar=0!=(0|rr)&1;t=107;break}var d=0;t=90}while(0);if(90==t){var
d,er=Me[a],ir=Ae[er]<<24>>24;if(64==(0|ir))Se[a]=er+1|0;else if(36==(0|ir))t=93;else{var
vr=zr(r);if(0==(0|vr)){var k=-1;t=111;break}}if(5==(0|d)){var
tr=r+20|0,fr=Se[tr>>2]+1|0;Se[tr>>2]=fr}else if(1==(0|d)||2==(0|d)){if(Me[i+11]>>>0<2){var k=-
1;t=111;break}var _r=r+56|0,sr=Me[_r>>2],nr=Se[sr+4>>2];if(1==(0|d))Se[sr>>2]=nr;else{var
or=Dr(r,0|He.__str71241,(ne=Oe,Oe+=4,Se[ne>>2]=nr,ne)),lr=Se[_r>>2];Se[lr>>2]=or}var
br=4|Se[e];Se[e]=br}else if(3==(0|d)){var kr=Se[e]&-5;Se[e]=kr}var ur=ge[Se[a]];if((ur-48&255&255)<10)var
cr=Vr(r),ar=cr;else if((ur-65&255&255)<26)var hr=Br(r,3==(0|d)&1),ar=hr;else{if(ur<<24>>24!=36){var k=-
1;t=111;break}var dr=Hr(r),ar=dr}}var ar;if(0==(0|ar)){var k=-1;t=111;break}var Z=ar,Q=Se[i+4];t=109;break}var
wr=Pr(r,f,0,0);if(0==(0|wr)){var k=-1;t=111;break}var
pr=Se[f>>2],Er=Se[f+4>>2],Ar=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=pr,Se[ne+4>>2]=Er,ne));Se[i+4]=A
r;var Z=1,Q=Ar;t=109;break}while(0);do if(109==t){var Q,Z;if(0!=(0|Q)){var
k=Z;break}Xa(0|He.__str72242,1499,0|He.__func__symbol_demangle,0|He.__str73243);var k=Z}while(0);var
k;return Oe=v,k}function Pr(r,a,e,i){var v,t,f,_=Oe;Oe+=24;var
s=_n=_+4,o=_+8,l=_+16,b=_+20;0==(0|a)&&Xa(0|He.__str72242,829,0|He.__func__demangle_datatype,0|He._
__str121291);var f=(a+4|0)>>2;Se[f]=0;var t=(0|a)>>2;Se[t]=0;var v=(r+12|0)>>2,k=Me[v],u=k+1|0;Se[v]=u;var
c=Ae[k],h=c<<24>>24;do if(95==(0|h)){Se[v]=k+2|0;var d=Ae[u],w=Zr(d);Se[t]=w}else
if(67==(0|h)||68==(0|h)||69==(0|h)||70==(0|h)||71==(0|h)||72==(0|h)||73==(0|h)||74==(0|h)||75==(0|h)||77==(0|h)||78=
=(0|h)||79==(0|h)||88==(0|h)||90==(0|h)){var p=Qr(c);Se[t]=p}else
if(84==(0|h)||85==(0|h)||86==(0|h)||89==(0|h)){var E=qr(r);if(0==(0|E))break;var A=0==(32768&Se[r>>2]|0);do
if(A)if(84==(0|h))var g=0|He.__str122292;else if(85==(0|h))var g=0|He.__str123293;else if(86==(0|h))var
g=0|He.__str124294;else{if(89!=(0|h)){var g=0;break}var g=0|He.__str125295}else var g=0;while(0);var
g,y=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=g,Se[ne+4>>2]=E,ne));Se[t]=y}else
if(63==(0|h))if(0==(0|i))$(a,r,e,63,0);else{var m=Lr(r);if(0==(0|m))break;var
S=Dr(r,0|He.__str126296,(ne=Oe,Oe+=4,Se[ne>>2]=m,ne));Se[t]=S}else
if(65==(0|h)||66==(0|h))$(a,r,e,c,i);else if(81==(0|h)||82==(0|h)||83==(0|h)){var M=0==(0|i)?80:c;$(a,r,e,M,i)}else
if(80==(0|h))if(((Ae[u]<<24>>24)-48|0)>>>0<10){var C=k+2|0;if(Se[v]=C,Ae[u]<<24>>24!=54)break;var
R=r+44|0,T=Se[R>>2];Se[v]=k+3|0;var O=Ae[C],N=Se[R>>2]&-17,I=Ur(O,s,n,N);if(0==(0|I))break;var
P=Pr(r,o,e,0);if(0==(0|P))break;var D=Xr(r,e,1,40,41);if(0==(0|D))break;Se[R>>2]=T;var
L=Se[o>>2],F=Se[o+4>>2],X=Se[s>>2],j=Dr(r,0|He.__str127297,(ne=Oe,Oe+=12,Se[ne>>2]=L,Se[ne+4>>2]=F,S
e[ne+8>>2]=X,ne));Se[t]=j;var U=Dr(r,0|He.__str128298,(ne=Oe,Oe+=4,Se[ne>>2]=D,ne));Se[f]=U}else
$(a,r,e,80,i);else if(87==(0|h)){if(Ae[u]<<24>>24!=52)break;Se[v]=k+2|0;var
x=qr(r);if(0==(0|x))break;if(0==(32768&Se[r>>2]|0)){var
z=Dr(r,0|He.__str129299,(ne=Oe,Oe+=4,Se[ne>>2]=x,ne));Se[t]=z}else Se[t]=x}else
if(48==(0|h)||49==(0|h)||50==(0|h)||51==(0|h)||52==(0|h)||53==(0|h)||54==(0|h)||55==(0|h)||56==(0|h)||57==(0|h)){var
V=h<<1,B=V-96|0,H=Yr(e,B);Se[t]=H;var K=V-95|0,Y=Yr(e,K);Se[f]=Y}else

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if(36==(0|h)){var G=k+2|0;Se[v]=G;var W=Ae[u]<<24>>24;if(48==(0|W)){var Z=Lr(r);Se[t]=Z}else
if(68==(0|W)){var Q=Lr(r);if(0==(0|Q))break;var
q=Dr(r,0|He.__str130300,(ne=Oe,Oe+=4,Se[ne>>2]=Q,ne));Se[t]=q}else if(70==(0|W)){var
$=Lr(r);if(0==(0|$))break;var J=Lr(r);if(0==(0|J))break;var
rr=Dr(r,0|He.__str131301,(ne=Oe,Oe+=8,Se[ne>>2]=$,Se[ne+4>>2]=J,ne));Se[t]=rr}else if(71==(0|W)){var
ar=Lr(r);if(0==(0|ar))break;var er=Lr(r);if(0==(0|er))break;var ir=Lr(r);if(0==(0|ir))break;var
vr=Dr(r,0|He.__str132302,(ne=Oe,Oe+=12,Se[ne>>2]=ar,Se[ne+4>>2]=er,Se[ne+8>>2]=ir,ne));Se[t]=vr}else
if(81==(0|W)){var tr=Lr(r);if(0==(0|tr))break;var
fr=Dr(r,0|He.__str133303,(ne=Oe,Oe+=4,Se[ne>>2]=tr,ne));Se[t]=fr}else{if(36!=(0|W))break;if(Ae[G]<<24>>24!=
67)break;Se[v]=k+3|0;var _r=xr(r,l,b);if(0==(0|_r))break;var sr=Pr(r,a,e,i);if(0==(0|sr))break;var
nr=Se[t],or=Se[l>>2],lr=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=nr,Se[ne+4>>2]=or,ne));Se[t]=lr}}while(
0);var br=0!==(0|Se[t])&1;return
Oe=_br}function Dr(r,a){var e,i=Oe;Oe+=4;var v=i,e=v>>2,t=v;Se[t>>2]=arguments[Dr.length];var
f=1,_=0;r:for(;;){var _f,s=Ae[a+_|0];do{if(s<<24>>24==0)break r;if(s<<24>>24==37){var
n=_+1|0,o=Ae[a+n|0]<<24>>24;if(115==(0|o)){var l=Se[e],b=l,k=l+4|0;Se[e]=k;var u=Se[b>>2];if(0==(0|u)){var
c=f,h=n;break}var d=Ca(u),c=d+f|0,h=n;break}if(99==(0|o)){var w=Se[e]+4|0;Se[e]=w;var
c=f+1|0,h=n;break}if(37==(0|o))var p=n;else var p=_;var p,c=f+1|0,h=p}else var c=f+1|0,h=_}while(0);var
h,c,f=c,_=h+1|0}var E=Wr(r,f);if(0==(0|E))var A=0;else{Se[t>>2]=arguments[Dr.length];var g=E,y=0;r:for(;;){var
y,g,m=Ae[a+y|0];do{if(m<<24>>24==0)break r;if(m<<24>>24==37){var
S=y+1|0,M=Ae[a+S|0]<<24>>24;if(115==(0|M)){var C=Se[e],R=C,T=C+4|0;Se[e]=T;var
O=Se[R>>2];if(0==(0|O)){var N=g,I=S;break}var P=Ca(O);Pa(g,O,P,1);var N=g+P|0,I=S;break}if(99==(0|M)){var
D=Se[e],L=D,F=D+4|0;Se[e]=F,Ae[g]=255&Se[L>>2];var N=g+1|0,I=S;break}if(37==(0|M))var X=S;else var
X=y;var X;Ae[g]=37;var N=g+1|0,I=X}else{Ae[g]=m;var N=g+1|0,I=y}}while(0);var
I,N,g=N,y=I+1|0}Ae[g]=0;var A=E}var A;return Oe=i,A}function Lr(r){var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e];if(i<<24>>24==63){var v=e+1|0;Se[a]=v;var t=1,f=v,_=Ae[v]}else var
t=0,f=e,_=i;var _f,t,s=(-48&255&255)<9;do if(s){var n=Wr(r,3),o=0!==(0|t);o&&(Ae[n]=45);var
l=Ae[Se[a]]+1&255;Ae[n+t|0]=l;var b=o?2:1;\nAe[n+b|0]=0;var k=Se[a]+1|0;Se[a]=k;var u=n}else
if(_<<24>>24==57){var c=Wr(r,4),h=0!==(0|t);h&&(Ae[c]=45),Ae[c+t|0]=49;var d=h?2:1;Ae[c+d|0]=48;var
w=h?3:2;Ae[c+w|0]=0;var p=Se[a]+1|0;Se[a]=p;var u=c}else{if((-65&255&255)>=16){var u=0;break}for(var
E=0,A=f;;){var A,E,g=A+1|0;Se[a]=g;var y=(Ae[A]<<24>>24)+((E<<4)-65)|0,m=ge[g];if((m-
65&255&255)>=16)break;var E=y,A=g;if(m<<24>>24!=64){var u=0;break}var
S=Wr(r,17),M=0!==(0|t)?0|He.__str119289:0|i,C=(za(S,0|He.__str118288,(ne=Oe,Oe+=8,Se[ne>>2]=M,Se[ne+4>>
2]=y,ne)),Se[a]+1|0);Se[a]=C;var u=S}while(0);var u;return u}function Fr(r,a,e,i){var
v,t,f,_;0==(0|a)&&Xa(0|He.__str72242,212,0|He.__func__str_array_push,0|He.__str115285),0==(0|i)&&Xa(0|He
.__str72242,213,0|He.__func__str_array_push,0|He.__str116286);var
f=(i+12|0)>>2,s=Me[f],n=0==(0|s);do{if(n){Se[f]=32;var o=Wr(r,128);if(0==(0|o)){var
l=0;_=17;break}Se[i+16>>2]=o,_=11;break}if(Me[i+8>>2]>>>0<s>>>0){_=11;break}var
b=s<<3,k=Wr(r,b);if(0==(0|k)){var l=0;_=17;break}var u=k,c=i+16|0,h=Se[c>>2],d=Se[f]<<2;Pa(k,h,d,1);var
w=Se[f]<<1;Se[f]=w,Se[c>>2]=u,_=11;break}while(0);do if(11==_){if((0|e)==-1)var p=Ca(a),E=p;else var E=e;var
E,A=ja(a),g=E+1|0,y=Wr(r,g),t=(i+4|0)>>2,v=(i+16|0)>>2,m=(Se[t]<<2)+Se[v]|0;Se[m>>2]=y;var
S=Se[Se[v]+(Se[t]<<2)>>2];if(0==(0|S)){Xa(0|He.__str72242,233,0|He.__func__str_array_push,0|He.__str11728
7);var M=Se[Se[v]+(Se[t]<<2)>>2]}else var M=S;var
M;Pa(M,A,E,1),va(A),Ae[Se[Se[v]+(Se[t]<<2)>>2]+g|0]=0;var C=Se[t]+1|0;Se[t]=C;var
R=i+8|0;if(C>>>0<Me[R>>2]>>>0){var l=1;break}Se[R>>2]=C;var l=1}while(0);var l;return l}function
Xr(r,a,e,i,v){var t,f,_=Oe;Oe+=28;var s,n=_,o=_+8;Cr(o);var f=(r+12|0)>>2,l=0==(0|e),t=(0|n)>>2,b=n+4|0;r:do
if(l)for(;;){var k=Se[f],u=Ae[k];if(u<<24>>24==0){s=12;break r}if(u<<24>>24==64){var c=k;s=7;break r}var
h=Pr(r,n,a,1);if(0==(0|h)){var d=0;s=25;break r}var
w=Se[t],p=Se[b>>2],E=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=w,Se[ne+4>>2]=p,ne)),A=Fr(r,E,-

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1,o);if(0==(0|A)){var d=0;s=25;break r}var g=Se[t],y=Da(g,0|He.__str110280);if(0==(0|y)){s=12;break r}}else
for(;;){var m=Se[f],S=Ae[m];if(S<<24>>24==0){s=12;break r}if(S<<24>>24==64){var c=m;s=7;break r}var
M=Pr(r,n,a,1);if(0==(0|M)){var d=0;s=25;break r}var C=Se[t],R=Da(C,0|He.__str84254);if(0==(0|R)){s=13;break
r}var T=Se[b>>2],O=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=C,Se[ne+4>>2]=T,ne)),N=Fr(r,O,-
1,o);if(0==(0|N)){var d=0;s=25;break r}var I=Se[t],P=Da(I,0|He.__str110280);if(0==(0|P)){s=12;break
r}}while(0);do if(7==s){var c;Se[f]=c+1|0,s=12;break}while(0);do
if(12==s){if(l){s=14;break}s=13;break}while(0);do if(13==s){var
D=Se[f],L=D+1|0;if(Se[f]=L,Ae[D]<<24>>24==90){s=14;break}var d=0;s=25;break}while(0);r:do if(14==s){var
F=o+4|0,X=Me[F>>2];do{if(0!=(0|X)){if(1==(0|X)){var
j=o+16|0,U=Se[Se[j>>2]>>2],x=Da(U,0|He.__str84254);if(0==(0|x)){s=17;break}var z=j;s=20;break}var
V=o+16|0;if(X>>>0<=1){var z=V;s=20;break}for(var B=0,H=1;;){var
H,B,K=Se[Se[V>>2]+(H<<2)>>2],Y=Dr(r,0|He.__str112282,(ne=Oe,Oe+=8,Se[ne>>2]=B,Se[ne+4>>2]=K,ne)),G
=H+1|0;if(G>>>0>=Me[F>>2]>>>0)break;var B=Y,H=G;if(0==(0|Y)){var z=V;s=20;break}var
W=Y,Z=Y;s=21;break}s=17}while(0);if(17==s){var
Q=i<<24>>24,q=v<<24>>24,$=Dr(r,0|He.__str111281,(ne=Oe,Oe+=8,Se[ne>>2]=Q,Se[ne+4>>2]=q,ne)),d=$;brea
k}if(20==s)var z,W=Se[Se[z>>2]>>2],Z=0;var Z,W,J=v<<24>>24,rr=v<<24>>24==62;do if(rr){var
ar=Ca(W);if(Ae[W+(ar-1)|0]<<24>>24!=62)break;var
er=i<<24>>24,ir=Se[Se[o+16>>2]>>2],vr=Dr(r,0|He.__str113283,(ne=Oe,Oe+=16,Se[ne>>2]=er,Se[ne+4>>2]=ir,
Se[ne+8>>2]=Z,Se[ne+12>>2]=J,ne)),d=vr;break r}while(0);var
tr=i<<24>>24,fr=Se[Se[o+16>>2]>>2],_r=Dr(r,0|He.__str114284,(ne=Oe,Oe+=16,Se[ne>>2]=tr,Se[ne+4>>2]=fr,S
e[ne+8>>2]=Z,Se[ne+12>>2]=J,ne)),d=_r}while(0);var d;return
Oe=_d}function jr(r){var a,e=Oe;Oe+=20;var
i=e,v=r+24|0,t=Se[v>>2],a=(r+20|0)>>2,f=Se[a],_=r+44|0,s=Se[_>>2];Se[a]=t;var n=Kr(r);if(0==(0|n))var
o=0;else{Cr(i);var l=Xr(r,i,0,60,62);if(0==(0|l))var b=n;else var
k=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=n,Se[ne+4>>2]=l,ne)),b=k;var
b;Se[v>>2]=t,Se[a]=f,Se[_>>2]=s;var o=b}var o;return Oe=e,o}function Ur(r,a,e,i){var
v,t=a>>2;Se[e>>2]=0,Se[t]=0;var f=0==(18&i|0);do{if(f){var _=r<<24>>24,s=1==((_-
65)%2|0);if(0==(1&i|0)){if(s?Se[e>>2]=0|He.__str95265:v=14,65==(0|_)||66==(0|_)){Se[t]=0|He.__str96266,v=21;
break}if(67==(0|_)||68==(0|_)){Se[t]=0|He.__str97267,v=21;break}if(69==(0|_)||70==(0|_)){Se[t]=0|He.__str98268,
v=21;break}if(71==(0|_)||72==(0|_)){Se[t]=0|He.__str99269,v=21;break}if(73==(0|_)||74==(0|_)){Se[t]=0|He.__str
100270,v=21;break}if(75==(0|_)||76==(0|_)){v=21;break}if(77==(0|_)){Se[t]=0|He.__str101271,v=21;break}var
n=0;v=22;break}if(s?Se[e>>2]=0|He.__str88258:v=5,65==(0|_)||66==(0|_)){Se[t]=0|He.__str89259,v=21;break}if(6
7==(0|_)||68==(0|_)){Se[t]=0|He.__str90260,v=21;break}if(69==(0|_)||70==(0|_)){Se[t]=0|He.__str91261,v=21;brea
k}if(71==(0|_)||72==(0|_)){Se[t]=0|He.__str92262,v=21;break}if(73==(0|_)||74==(0|_)){Se[t]=0|He.__str93263,v=2
1;break}if(75==(0|_)||76==(0|_)){v=21;break}if(77==(0|_)){Se[t]=0|He.__str94264,v=21;break}var
n=0;v=22;break}v=21}while(0);if(21==v)var n=1;var n;return n}function xr(r,a,e){var i;Se[e>>2]=0;var
i=(r+12|0)>>2,v=Se[i];if(Ae[v]<<24>>24==69){Se[e>>2]=0|He.__str102272;var t=Se[i]+1|0;Se[i]=t;var f=t}else
var f=v;var f;Se[i]=f+1|0;var _=Ae[f]<<24>>24;if(65==(0|_)){Se[a>>2]=0;var s=1}else
if(66==(0|_)){Se[a>>2]=0|He.__str103273;var s=1}else if(67==(0|_)){Se[a>>2]=0|He.__str104274;var s=1}else
if(68==(0|_)){Se[a>>2]=0|He.__str105275;var s=1}else var s=0;var s;return s}function zr(r){var
a,e,a=(r+12|0)>>2,i=r+40|0,v=r+20|0,t=0|i,f=r+44|0,_=r+48|0,s=r+52|0,n=r+56|0,o=r+20|0,l=r+24|0,b=r+16|0,k=0;r:
for(;;){var k,u=Se[a],c=Ae[u];if(c<<24>>24==64){var h=u+1|0;Se[a]=h;var d=1;break}var
w=c<<24>>24;do{if(0==(0|w)){var d=0;break
r}if(48==(0|w)||49==(0|w)||50==(0|w)||51==(0|w)||52==(0|w)||53==(0|w)||54==(0|w)||55==(0|w)||56==(0|w)||57==(0|
w)){var p=u+1|0;Se[a]=p;var E=(Ae[u]<<24>>24)-48|0,A=Yr(v,E),g=A,e=14;break}if(63==(0|w)){var
y=u+1|0;Se[a]=y;var m=Ae[y]<<24>>24;if(36==(0|m)){var S=u+2|0;Se[a]=S;var M=jr(r);if(0==(0|M)){var
d=0;break r}var C=Fr(r,M,-1,v);if(0==(0|C)){var d=0;break r}var R=M;e=15;break}if(63==(0|m)){var
T=Se[t>>2],O=Se[f>>2],N=Se[_>>2],I=Se[s>>2],P=Se[n>>2],D=Se[o>>2],L=Se[l>>2];Cr(i);var

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F=Ir(r);if(0==(0|F))var X=k;else var
j=Se[b>>2],U=Dr(r,0|He.__str109279,(ne=Oe,Oe+=4,Se[ne>>2]=j,ne)),X=U;var
X;Se[o>>2]=D,Se[l>>2]=L,Se[t>>2]=T,Se[f>>2]=O,Se[_>>2]=N,Se[s>>2]=I,Se[n>>2]=P;var g=X;e=14;break}var
x=Lr(r);if(0==(0|x)){var d=0;break r}var
z=Dr(r,0|He.__str109279,(ne=Oe,Oe+=4,Se[ne>>2]=x,ne)),g=z;e=14;break}var
V=Kr(r),g=V;e=14;break}while(0);if(14==e){var g;if(0==(0|g)){var d=0;break}var R=g}var R,B=Fr(r,R,-
1,i);if(0==(0|B)){var d=0;break}var k=R}var
d;return d}function Vr(r){var a,e,i,v=Oe;Oe+=36;var t,f=v,i=f>>2,_=v+4,s=v+8,e=s>>2,n=v+16;Se[i]=0;var
o=0|r,l=Se[o>>2],b=0==(128&l|0),k=r+12|0;do if(b){var u=Ae[Se[k>>2]]<<24>>24;if(48==(0|u))var
c=0|He.__str76246,h=k,a=h>>2;else if(49==(0|u))var c=0|He.__str77247,h=k,a=h>>2;else{if(50!=(0|u)){var
c=0,h=k,a=h>>2;break}var c=0|He.__str78248,h=k,a=h>>2}}else var c=0,h=k,a=h>>2;while(0);var
h,c,d=0==(512&l|0);do if(d){if((Ae[Se[a]]-48&255&255)>=3){var w=0;break}var w=0|He.__str79249}else var
w=0;while(0);var w,p=Gr(r,0),E=Se[a],A=E+1|0;Se[a]=A;var
g=Ae[E]<<24>>24;do{if(48==(0|g)||49==(0|g)||50==(0|g)||51==(0|g)||52==(0|g)||53==(0|g)){var
y=r+44|0,m=Se[y>>2];Cr(n);var S=Pr(r,s,n,0);if(0==(0|S)){var M=0;t=28;break}var C=xr(r,f,_);if(0==(0|C)){var
M=0;t=28;break}var R=Se[i],T=0==(0|R),O=Se[_>>2];do if(T)Se[i]=O;else{if(0==(0|O))break;var
N=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=R,Se[ne+4>>2]=O,ne));Se[i]=N}while(0);Se[y>>2]=m,t=22;br
eak}if(54==(0|g)||55==(0|g)){var I=s+4|0;Se[I>>2]=0,Se[e]=0;var
P=xr(r,f,_);if(0==(0|P)){var M=0;t=28;break}if(Ae[Se[a]]<<24>>24==64){t=22;break}var
D=qr(r);if(0==(0|D)){var M=0;t=28;break}var
L=Dr(r,0|He.__str107277,(ne=Oe,Oe+=4,Se[ne>>2]=D,ne));Se[l>>2]=L,t=22;break}if(56==(0|g)||57==(0|g)){Se[e
+1]=0,Se[e]=0,Se[i]=0,t=22;break}var M=0;t=28}while(0);if(22==t){var F=0==(4096&Se[o>>2]|0);do{if(F){var
X=Se[e],j=Se[i];if(0==(0|j)){var U=X;t=26;break}var
x=0!=(0|X)?0|He.__str87257:0,z=0|He.__str87257,V=j,B=x,H=X;t=27;break}Se[i]=0,Se[e+1]=0,Se[e]=0;var
U=0;t=26;break}while(0);if(26==t)var U,K=0!=(0|U)?0|He.__str87257:0,z=K,V=0,B=0,H=U;var
H,B,V,z,Y=Se[e+1],G=Dr(r,0|He.__str108278,(ne=Oe,Oe+=32,Se[ne>>2]=c,Se[ne+4>>2]=w,Se[ne+8>>2]=H,Se[n
e+12>>2]=B,Se[ne+16>>2]=V,Se[ne+20>>2]=z,Se[ne+24>>2]=p,Se[ne+28>>2]=Y,ne));Se[r+16>>2]=G;var
M=1}var M;return Oe=v,M}function Br(r,a){var e,i,v,t,f=Oe;Oe+=44;var
_,s=f,t=s>>2,n=f+8,o=f+12,v=o>>2,l=f+16,b=f+20,k=f+40;Se[v]=0;var i=(r+12|0)>>2,u=Se[i],c=u+1|0;Se[i]=c;var
h=ge[u],d=h<<24>>24,w=(h-65&255&255)>25;r:do
if(w)var p=0;else{var e=(0|r)>>2,E=Me[e],A=0==(128&E|0),g=d-65|0;do if(A){var y=g/8|0;if(0==(0|y))var
m=0|He.__str76246,S=g;else if(1==(0|y))var m=0|He.__str77247,S=g;else{if(2!=(0|y)){var m=0,S=g;break}var
m=0|He.__str78248,S=g}}else var m=0,S=g;while(0);var S,m,M=0==(512&E|0)&h<<24>>24<89,C=(0|S)%8;do
if(M)if(2==(0|C)||3==(0|C))var R=m,T=0|He.__str79249;else if(4==(0|C)||5==(0|C))var
R=m,T=0|He.__str80250;else{if(6!=(0|C)&&7!=(0|C)){var R=m,T=0;break}var
O=Dr(r,0|He.__str81251,(ne=Oe,Oe+=4,Se[ne>>2]=m,ne)),R=O,T=0|He.__str80250}else var
R=m,T=0;while(0);var T,R,N=Gr(r,0),I=6==(0|C);do{if(!I){if(7==((d-56)%8|0)){_=14;break}var
P=N;_=15;break}_=14}while(0);if(14==_)var
D=Lr(r),L=Dr(r,0|He.__str82252,(ne=Oe,Oe+=8,Se[ne>>2]=N,Se[ne+4>>2]=D,ne)),P=L;var
P,F=h<<24>>24>88;do if(F)var X=0;else{if((C-2|0)>>>0<2){var X=0;break}var j=xr(r,o,k);if(0==(0|j)){var
p=0;break r}var U=Me[v],x=Se[k>>2];if(0==(0|U)&0==(0|x)){var X=0;break}var
z=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=U,Se[ne+4>>2]=x,ne));Se[v]=z;var
X=z}while(0);var X,V=Se[i],B=V+1|0;Se[i]=B;var H=Ae[V],K=Se[e],Y=Ur(H,n,l,K);if(0==(0|Y)){var
p=0;break}Cr(b);var G=Se[i];if(Ae[G]<<24>>24==64){Se[t]=0|He.__str84254,Se[t+1]=0;var
W=G+1|0;Se[i]=W}else{var Z=Pr(r,s,b,0);if(0==(0|Z)){var
p=0;break}}if(0!=(4&Se[e]|0)&&(Se[t+1]=0,Se[t]=0),0==(0|a))var Q=P;else{var
q=0|s,$=Se[q>>2],J=s+4|0,rr=Se[J>>2],ar=Dr(r,0|He.__str85255,(ne=Oe,Oe+=12,Se[ne>>2]=P,Se[ne+4>>2]=$,Se[
ne+8>>2]=rr,ne));Se[J>>2]=0,Se[q>>2]=0;var Q=ar}var

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Q,er=r+44|0,ir=Se[er>>2],vr=Xr(r,b,1,40,41);if(0==(0|vr)){var p=0;break}if(0==(4096&Se[e]|0))var
tr=vr,fr=X;else{Se[v]=0;var tr=0,fr=0}var fr,tr;Se[er>>2]=ir;var _=Se[t],sr=Se[t+1];if(0==(0|_r))var nr=0;else var
or=0!=(0|sr)?0:0|He.__str87257,nr=or;var
nr,lr=Se[n>>2],br=0!==(0|lr)?0|He.__str87257:0,kr=Se[l>>2],ur=Dr(r,0|He.__str86256,(ne=Oe,Oe+=44,Se[ne>>2]=
R,Se[ne+4>>2]=T,Se[ne+8>>2]=_,Se[ne+12>>2]=nr,Se[ne+16>>2]=lr,Se[ne+20>>2]=br,Se[ne+24>>2]=kr,Se[ne
+28>>2]=Q,Se[ne+32>>2]=tr,Se[ne+36>>2]=fr,Se[ne+40>>2]=sr,ne));Se[r+16>>2]=ur;var
p=1}while(0);var p;return Oe=f,p}function Hr(r){var a,a=(r+12|0)>>2,e=Se[a];if(Ae[e]<<24>>24==36)var
i=e;else{Xa(0|He.__str72242,1252,0|He.__func__handle_template,0|He.__str74244);var i=Se[a]}var
i;Se[a]=i+1|0;var v=Kr(r),t=0==(0|v);do if(t)var f=0;else{var _=Xr(r,0,0,60,62);if(0==(0|_)){var f=0;break}var
s=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=v,Se[ne+4>>2]=_));Se[r+16>>2]=s;var f=1}while(0);var
f;return f}function Kr(r){for(var a,a=(r+12|0)>>2,e=Me[a],i=e,v=Ae[e];;){var v,i;if(!((v-65&255&255)<26|(v-
97&255&255)<26|(v-48&255&255)<10)&&v<<24>>24!=95&&v<<24>>24!=36){var t=0;break}var
f=i+1|0;Se[a]=f;var _=ge[f];if(_<<24>>24==64){Se[a]=i+2|0;var s=f-e|0,n=r+20|0,o=Fr(r,e,s,n);if(0==(0|o)){var
t=0;break}var l=Se[r+24>>2]-1-Se[n>>2]|0,b=Yr(n,l),t=b;break}var i=f,v=_}var t;return t}function
Yr(r,a){0==(0|r)&&Xa(0|He.__str72242,263,0|He.__func__str_array_get_ref,0|He.__str75245);var
e=Se[r>>2]+a|0;if(e>>>0<Me[r+8>>2]>>>0)var i=Se[Se[r+16>>2]+(e<<2)>>2];else
var i=0;var i;return i}function Gr(r,a){var e,e=(r+44|0)>>2,i=Me[e];if(i>>>0>a>>>0){for(var
v=r+56|0,t=a,f=0,_=Se[v>>2],s=i;;){var
s,_f,t,n=Me[_+(t<<2)>>2];if(0==(0|n)){Xa(0|He.__str72242,680,0|He.__func__get_class_string,0|He.__str10627
6);var o=Se[v>>2],l=o,b=Se[o+(t<<2)>>2],k=Se[e]}else var l=_b=n,k=s;var
k,b,l,u=Ca(b),c=u+(f+2)|0,h=t+1|0;if(h>>>0>=k>>>0)break;var t=h,f=c,_l=s,k}var d=c-1|0}else var d=-1;var
d,w=Wt(r,d);if(0==(0|w))var p=0;else{var E=Se[e]-1|0,A=(0|E)<(0|a);r:do if(A)var g=0;else for(var
y=r+56|0,m=0,S=E;;){var S,m,M=Se[Se[y>>2]+(S<<2)>>2],C=Ca(M),R=w+m|0;Pa(R,M,C,1);var
T=C+m|0;if((0|S)>(0|a)){var O=T+1|0;Ae[w+T|0]=58;var N=T+2|0;Ae[w+O|0]=58;var I=N}else var I=T;var I,P=S-
1|0;if((0|P)<(0|a)){var g=I;break r}var m=I,S=P}while(0);var g;Ae[w+g|0]=0;var p=w}var p;return p}function
Wr(r,a){var e,i=a>>>0>1020;do if(i){var v=Se[r+4>>2],t=a+4|0,f=pe[v](t);if(0==(0|f)){var _=0;break}var
s=r+60|0,n=Se[s>>2],o=f;Se[o>>2]=n,Se[s>>2]=f,Se[r+64>>2]=0;var _=f+4|0}else{var
e=(r+64|0)>>2,l=Me[e];if(l>>>0<a>>>0){var b=Se[r+4>>2],k=pe[b](1024);if(0==(0|k)){var _=0;break}var
u=r+60|0,c=Se[u>>2],h=k;Se[h>>2]=c,Se[u>>2]=k,Se[e]=1020;var d=1020,w=k}else var d=l,w=Se[r+60>>2];var
w,d;Se[e]=d-a|0;var _=w+(1024-d)|0}while(0);var _;return _}function Zr(r){var a=r<<24>>24;if(68==(0|a))var
e=0|He.__str157327;else if(69==(0|a))var e=0|He.__str158328;else if(70==(0|a))var e=0|He.__str159329;else
if(71==(0|a))var e=0|He.__str160330;else if(72==(0|a))var e=0|He.__str161331;else if(73==(0|a))var
e=0|He.__str162332;else if(74==(0|a))var e=0|He.__str163333;else if(75==(0|a))var e=0|He.__str164334;else
if(76==(0|a))var e=0|He.__str165335;else if(77==(0|a))var e=0|He.__str166336;else if(78==(0|a))var
e=0|He.__str167337;else if(87==(0|a))var e=0|He.__str168338;else var e=0;var e;return e}function Qr(r){var
a=r<<24>>24;if(67==(0|a))var e=0|He.__str145315;else if(68==(0|a))var e=0|He.__str146316;else if(69==(0|a))var
e=0|He.__str147317;else if(70==(0|a))var e=0|He.__str148318;else
if(71==(0|a))var e=0|He.__str149319;else if(72==(0|a))var e=0|He.__str150320;else if(73==(0|a))var
e=0|He.__str151321;else if(74==(0|a))var e=0|He.__str152322;else if(75==(0|a))var e=0|He.__str153323;else
if(77==(0|a))var e=0|He.__str154324;else if(78==(0|a))var e=0|He.__str155325;else if(79==(0|a))var
e=0|He.__str156326;else if(88==(0|a))var e=0|He.__str84254;else if(90==(0|a))var e=0|He.__str110280;else var
e=0;var e;return e}function qr(r){var a=r+44|0,e=Se[a>>2],i=zr(r);if(0==(0|i))var v=0;else var t=Gr(r,e),v=t;var
v;return Se[a>>2]=e,v}function $r(r,a,e,i,v){var t,f,_s=Oe,Oe+=16;var
n,o=s,_o>>2,l=s+4,b=s+8,f=b>>2;Se[l>>2]=0|ii;var
t=(a+12|0)>>2,k=Se[t];if(Ae[k]<<24>>24==69){Se[l>>2]=0|He.__str134304;var u=k+1|0;Se[t]=u;var
c=0|He.__str134304}else var c=0|ii;var c,h=i<<24>>24;do{if(65==(0|h)){var
d=Dr(a,0|He.__str135305,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=d;n=10;break}if(66==(0|h)){var
p=Dr(a,0|He.__str136306,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=p;n=10;break}if(80==(0|h)){var

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E=Dr(a,0|He.__str137307,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=E;n=10;break}if(81==(0|h)){var
A=Dr(a,0|He.__str138308,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=A;n=10;break}if(82==(0|h)){var
g=Dr(a,0|He.__str139309,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=g;n=10;break}if(83==(0|h)){var
y=Dr(a,0|He.__str140310,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=y;n=10;break}if(63==(0|h)){var w=0|ii;n=10}else
n=31}while(0);r:do if(10==n){var w,m=xr(a,o,l);if(0==(0|m))break;var
S=a+44|0,M=Se[S>>2],C=Se[t],R=Ae[C]<<24>>24==89;a:do if(R){var T=C+1|0;Se[t]=T;var
O=Lr(a);if(0==(0|O))break r;var
N=Ha(O),I=Ae[w]<<24>>24==32,P=Se[_],D=0==(0|P);do{if(I){if(!D){n=17;break}var
L=w+1|0;n=18;break}if(D){var L=w;n=18;break}n=17;break}while(0);if(17==n){var
F=Dr(a,0|He.__str141311,(ne=Oe,Oe+=8,Se[ne>>2]=P,Se[ne+4>>2]=w,ne));Se[_]=0;var X=F}else if(18==n)var
L,j=Dr(a,0|He.__str142312,(ne=Oe,Oe+=4,Se[ne>>2]=L,ne)),X=j;var X;if(0==(0|N)){var U=X;break}for(var
x=X,z=N;;){var z,x,V=z-
1|0,B=Lr(a),H=Dr(a,0|He.__str143313,(ne=Oe,Oe+=8,Se[ne>>2]=x,Se[ne+4>>2]=B,ne));if(0==(0|V)){var
U=H;break a}var x=H,z=V}}else var U=w;while(0);var U,K=Pr(a,b,e,0);if(0==(0|K))break;var
Y=Se[_];if(0==(0|Y)){var G=0==(0|v);do if(G){if(Ae[U]<<24>>24==0){var W=U;break}var
Z=U+1|0;if(Ae[Z]<<24>>24!=42){var W=U;break}var Q=Se[f],q=Ca(Q);if(Ae[Q+(q-1)|0]<<24>>24!=42){var
W=U;break}var W=Z}else var W=U;while(0);var
W,$=Se[f],J=Dr(a,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=$,Se[ne+4>>2]=W,ne));Se[r>>2]=J}else{var
rr=Se[f],ar=Dr(a,0|He.__str144314,(ne=Oe,Oe+=12,Se[ne>>2]=rr,Se[ne+4>>2]=Y,Se[ne+8>>2]=U,ne));Se[r>>2]=
ar}var er=Se[f+1];Se[r+4>>2]=er,Se[S>>2]=M}while(0);Oe=s}function Jr(r){var
a,e=r>>>0<245;do{if(e){if(r>>>0<11)var i=16;else var i=r+11&-8;var
i,v=i>>>3,t=Me[vi>>2],f=t>>>(v>>>0);if(0!=(3&f|0)){var
=(1&f^1)+v|0,s<<1,n=(s<<2)+vi+40|0,o=(s+2<<2)+vi+40|0,l=Me[o>>2],b=l+8|0,k=Me[b>>2];if((0|n)==(0|k))S
e[vi>>2]=t&(1<<_^-1);else{if(k>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[o>>2]=k,Se[k+12>>2]=n}var u_<<3;Se[l+4>>2]=3|u;var
c=l+(4|u)|0,h=1|Se[c>>2];Se[c>>2]=h;var
d=b;a=38;break}if(i>>>0<=Me[vi+8>>2]>>>0){var w=i;a=30;break}if(0!=(0|f)){var p=2<<v,E=f<<v&(p|
p),A=(E&-E)-
1|0,g=A>>>12&16,y=A>>>(g>>>0),m=y>>>5&8,S=y>>>(m>>>0),M=S>>>2&4,C=S>>>(M>>>0),R=C>>>1&2,
T=C>>>(R>>>0),O=T>>>1&1,N=(m|g|M|R|O)+(T>>>(O>>>0))|0,I=N<<1,P=(I<<2)+vi+40|0,D=(I+2<<2)+vi+40|
0,L=Me[D>>2],F=L+8|0,X=Me[F>>2];if((0|P)==(0|X))Se[vi>>2]=t&(1<<N^
1);else{if(X>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[D>>2]=X,Se[X+12>>2]=P}var
j=N<<3,U=j-i|0;Se[L+4>>2]=3|i;var x=L,z=x+i|0;Se[x+(4|i)>>2]=1|U,Se[x+j>>2]=U;var
V=Me[vi+8>>2];if(0!=(0|V)){var
B=Se[vi+20>>2],H=V>>>2&1073741822,K=(H<<2)+vi+40|0,Y=Me[vi>>2],G=1<<(V>>>3),W=0==(Y&G|0);do{
if(!W){var Z=(H+2<<2)+vi+40|0,Q=Me[Z>>2];if(Q>>>0<=Me[vi+16>>2]>>>0){var q=Q,$=Z;break}throw
Ka(),"Reached an unreachable!";Se[vi>>2]=Y|G;var q=K,$=(H+2<<2)+vi+40|0}while(0);var
$,q;Se[$>>2]=B,Se[q+12>>2]=B;var J=B+8|0;Se[J>>2]=q;var
rr=B+12|0;Se[rr>>2]=K}Se[vi+8>>2]=U,Se[vi+20>>2]=z;var d=F;a=38;break}if(0==(0|Se[vi+4>>2])){var
w=i;a=30;break}var ar=ra(i);if(0==(0|ar)){var w=i;a=30;break}var d=ar;a=38;break}if(r>>>0<4294967231){var
w=-1;a=30;break}var er=r+11&-8;if(0==(0|Se[vi+4>>2])){var w=er;a=30;break}var ir=ea(er);if(0==(0|ir)){var
w=er;a=30;break}var d=ir;a=38;break}while(0);if(30==a){var w,vr=Me[vi+8>>2];if(w>>>0<vr>>>0){var
tr=Me[vi+12>>2];if(w>>>0<tr>>>0){var fr=tr-w|0;Se[vi+12>>2]=fr;var
_r=Me[vi+24>>2],sr=_r;Se[vi+24>>2]=sr+w|0,Se[w+(sr+4)>>2]=1|fr,Se[_r+4>>2]=3|w;var d=_r+8|0}else var
nr=aa(w),d=nr}else{var or=vr-w|0,lr=Me[vi+20>>2];if(or>>>0<15){var
br=lr;Se[vi+20>>2]=br+w|0,Se[vi+8>>2]=or,Se[w+(br+4)>>2]=1|or,Se[br+vr>>2]=or,Se[lr+4>>2]=3|w}else{Se[vi
+8>>2]=0,Se[vi+20>>2]=0,Se[lr+4>>2]=3|vr;var kr=vr+(lr+4)|0,ur=1|Se[kr>>2];Se[kr>>2]=ur}var d=lr+8|0}var
d;return d}function ra(r){var a,e,i,v=Se[vi+4>>2],t=(v&-v)-

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1|0,f=t>>>12&16,_=t>>>(f>>>0),s=_>>>5&8,n=_>>>(s>>>0),o=n>>>2&4,l=n>>>(o>>>0),b=l>>>1&2,k=l>>>(b
>>>0),u=k>>>1&1,c=Me[vi+((s|f|o|b|u)+(k>>>(u>>>0))<<2)+304>>2],h=c,e=h>>2,d=(Se[c+4>>2]&-8)-
r|0;r:for(;;)for(var
d,h,w=h;){var w,p=Se[w+16>>2];if(0==(0|p)){var E=Se[w+20>>2];if(0==(0|E))break r;var A=E}else var A=p;var
A,g=(Se[A+4>>2]&-8)-r|0;if(g>>>0<d>>>0){var h=A,e=h>>2,d=g;continue r}var w=A}var
y=h,m=Me[vi+16>>2],S=y>>>0<m>>>0;do if(!S){var M=y+r|0,C=M;if(y>>>0>=M>>>0)break;var
R=Me[e+6],T=Me[e+3],O=(0|T)==(0|h);do if(O){var N=h+20|0,I=Se[N>>2];if(0==(0|I)){var
P=h+16|0,D=Se[P>>2];if(0==(0|D)){var L=0,a=L>>2;break}var F=P,X=D}else{var F=N,X=I;i=14}for(;;){var
X,F,j=X+20|0,U=Se[j>>2];if(0==(0|U)){var x=X+16|0,z=Me[x>>2];if(0==(0|z))break;var F=x,X=z}else var
F=j,X=U;if(F>>>0<m>>>0)throw Ka(),"Reached an unreachable!";Se[F>>2]=0;var L=X,a=L>>2}else{var
V=Me[e+2];if(V>>>0<m>>>0)throw Ka(),"Reached an unreachable!";Se[V+12>>2]=T,Se[T+8>>2]=V;var
L=T,a=L>>2}while(0);var L,B=0==(0|R);r:do if(!B){var
H=h+28|0,K=(Se[H>>2]<<2)+vi+304|0,Y=(0|h)==(0|Se[K>>2]);do{if(Y){if(Se[K>>2]=L,0!=(0|L))break;var
G=Se[vi+4>>2]&(1<<Se[H>>2]^1);Se[vi+4>>2]=G;break
r}if(R>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";var
W=R+16|0;if((0|Se[W>>2])==(0|h)?Se[W>>2]=L:Se[R+20>>2]=L,0==(0|L))break
r}while(0);if(L>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[a+6]=R;var
Z=Me[e+4];if(0!=(0|Z)){if(Z>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+4]=Z,Se[Z+24>>2]=L}var
Q=Me[e+5];if(0==(0|Q))break;if(Q>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+5]=Q,Se[Q+24>>2]=L}while(0);if(d>>>0<16){var q=d+r|0;Se[e+1]=3|q;var
$=q+(y+4)|0,J=1|Se[$>>2];Se[$>>2]=J}else{Se[e+1]=3|r,Se[r+(y+4)>>2]=1|d,Se[y+d+r>>2]=d;var
rr=Me[vi+8>>2];if(0!=(0|rr)){var
ar=Me[vi+20>>2],er=rr>>>2&1073741822,ir=(er<<2)+vi+40|0,vr=Me[vi>>2],tr=1<<(rr>>>3),fr=0==(vr&tr|0);do{
if(!fr){var _r=(er+2<<2)+vi+40|0,sr=Me[_r>>2];if(sr>>>0>=Me[vi+16>>2]>>>0){var nr=sr,or=_r;break}throw
Ka(),"Reached an unreachable!";Se[vi>>2]=vr|tr;var nr=ir,or=(er+2<<2)+vi+40|0}while(0);var
or,nr;Se[or>>2]=ar,Se[nr+12>>2]=ar,Se[ar+8>>2]=nr,Se[ar+12>>2]=ir}Se[vi+8>>2]=d,Se[vi+20>>2]=C{return
h+8|0}while(0);throw Ka(),"Reached an unreachable!";}function aa(r){var a,e;0==(0|Se[ti>>2])&&ba();var
i=0==(4&Se[vi+440>>2]|0);do{if(i){var v=Se[vi+24>>2],t=0==(0|v);do{if(!t){var
f=v,_=ua(f);if(0==(0|_)){e=6;break}var s=Se[ti+8>>2],n=r+47-Se[vi+12>>2]+s&-
s;if(n>>>0>=2147483647){e=14;break}var o=re(n);if((0|o)==(Se[_>>2]+Se[_+4>>2]|0)){var
l=o,b=n,k=o;e=13;break}var u=o,c=n;e=15;break}e=6}while(0);do if(6==e){var h=re(0);if((0|h)==-
1){e=14;break}var d=Se[ti+8>>2],w=d+(r+47)&-d,p=h,E=Se[ti+4>>2],A=E-1|0;if(0==(A&p|0))var g=w;else var
g=w-p+(A+p&-E)|0;var g;if(g>>>0>=2147483647){e=14;break}var y=re(g);if((0|y)==(0|h)){var
l=h,b=g,k=y;e=13;break}var u=y,c=g;e=15;break}while(0);if(13==e){var k,b,l;if((0|l)!=-1){var
m=b,S=l;e=26;break}var u=k,c=b}else if(14==e){var M=4|Se[vi+440>>2];Se[vi+440>>2]=M,e=23;break}var
c,u,C=0|c,R=(0|u)!=-1&c>>>0<2147483647;do{if(R){if(c>>>0>=(r+48|0)>>>0){var T=c;e=21;break}var
O=Se[ti+8>>2],N=r+47-c+O&-O;if(N>>>0>=2147483647){var
T=c;e=21;break}var I=re(N);if((0|I)==-1){re(C);e=22;break}var T=N+c|0;e=21;break}var
T=c;e=21}while(0);if(21==e){var T;if((0|u)!=-1){var m=T,S=u;e=26;break}}var
P=4|Se[vi+440>>2];Se[vi+440>>2]=P,e=23;break}e=23}while(0);do if(23==e){var D=Se[ti+8>>2],L=D+(r+47)&-
D;if(L>>>0>=2147483647){e=49;break}var F=re(L),X=re(0);if(!((0|X)!=-1&(0|F)!=-
1&F>>>0<X>>>0)){e=49;break}var j=X-F|0;if(j>>>0<=(r+40|0)>>>0(0|F)==-1){e=49;break}var
m=j,S=F;e=26;break}while(0);r:do if(26==e){var
S,m,U=Se[vi+432>>2]+m|0;Se[vi+432>>2]=U,U>>>0>Me[vi+436>>2]>>>0&&(Se[vi+436>>2]=U);var
x=Me[vi+24>>2],z=0==(0|x);a:do if(z){var
V=Me[vi+16>>2];0==(0|V)|S>>>0<V>>>0&&(Se[vi+16>>2]=S),Se[vi+444>>2]=S,Se[vi+448>>2]=m,Se[vi+456
>>2]=0;var B=Se[ti>>2];Se[vi+36>>2]=B,Se[vi+32>>2]=-1,ha(),ca(S,m-40|0)}else{for(var

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H=vi+444|0,a=H>>2;){var H;if(0==(0|H))break;var
K=Me[a],Y=H+4|0,G=Me[Y>>2],W=K+G|0;if((0|S)==(0|W)){if(0!=(8&Se[a+3]|0))break;var
Z=x;if(!(Z>>>0>=K>>>0&Z>>>0<W>>>0))break;Se[Y>>2]=G+m|0;var
Q=Se[vi+24>>2],q=Se[vi+12>>2]+m|0;ca(Q,q);break
a}var H=Se[a+2],a=H>>2}S>>>0<Me[vi+16>>2]>>>0&&(Se[vi+16>>2]=S);for(var $=S+m|0,J=vi+444|0;){var
J;if(0==(0|J))break;var rr=0|J,ar=Me[rr>>2];if((0|ar)==(0|$)){if(0!=(8&Se[J+12>>2]|0))break;Se[rr>>2]=S;var
er=J+4|0,ir=Se[er>>2]+m|0;Se[er>>2]=ir;var vr=da(S,ar,r),tr=vr;e=50;break r}var
J=Se[J+8>>2]}Ma(S,m)}while(0);var fr=Me[vi+12>>2];if(fr>>>0<=r>>>0){e=49;break}var _r=fr-
r|0;Se[vi+12>>2]=_r;var sr=Me[vi+24>>2],nr=sr;Se[vi+24>>2]=nr+r|0,Se[r+(nr+4)>>2]=1|_r,Se[sr+4>>2]=3|r;var
tr=sr+8|0;e=50;break}while(0);if(49==e){var or=Je();Se[or>>2]=12;var tr=0}var tr;return tr}function ea(r){var
a,e,i,v,t,f,_r>>2,s=0|r,n=r>>>8,o=0==(0|n);do if(o)var l=0;else{if(r>>>0>16777215){var l=31;break}var
b=(n+1048320|0)>>>16&8,k=n<<b,u=(k+520192|0)>>>16&4,c=k<<u,h=(c+245760|0)>>>16&2,d=14-
(u|b|h)+(c<<h>>>15)|0,l=r>>>((d+7|0)>>>0)&1|d<<1}while(0);var l,w=Me[vi+(l<<2)+304>>2],p=0==(0|w);r:do
if(p)var E=0,A=s,g=0;else{if(31==(0|l))var y=0;else var y=25-(l>>>1)|0;for(var
y,m=0,S=s,M=w,t=M>>2,C=r<<y,R=0;){var R,C,M,S,m,T=Se[t+1]&-8,O=T-
r|0;if(O>>>0<S>>>0){if((0|T)==(0|r)){var E=M,A=O,g=M;break r}var N=M,I=O}else var N=m,I=S;var
I,N,P=Me[t+5],D=Me[((C>>>31<<2)+16>>2)+t],L=0==(0|P)|(0|P)==(0|D)?R:P;if(0==(0|D)){var
E=N,A=I,g=L;break r}var m=N,S=I,M=D,t=M>>2,C=C<<1,R=L}}while(0);var g,A,E,F=0==(0|g)&0==(0|E);do
if(F){var X=2<<l,j=Se[vi+4>>2]&(X|X);if(0==(0|j)){var U=g;break}var x=(j&-j)-
1|0,z=x>>>12&16,V=x>>>(z>>>0),B=V>>>5&8,H=V>>>(B>>>0),K=H>>>2&4,Y=H>>>(K>>>0),G=Y>>>1&2
,W=Y>>>(G>>>0),Z=W>>>1&1,U=Se[vi+((B|z|K|G|Z)+(W>>>(Z>>>0))<<2)+304>>2]}else var
U=g;while(0);var U,Q=0==(0|U);r:do if(Q)var q=A,$=E,v=$>>2;else for(var J=U,i=J>>2,rr=A,ar=E;){var
ar,rr,J,er=(Se[i+1]&-8)-r|0,ir=er>>>0<rr>>>0,vr=ir?er:rr,tr=ir?J:ar,fr=Me[i+4];if(0==(0|fr)){var
_r=Me[i+5];if(0==(0|_r)){var q=vr,$=tr,v=$>>2;break r}var J=_r,i=J>>2,rr=vr,ar=tr}else var
J=fr,i=J>>2,rr=vr,ar=tr}while(0);var $,q,sr=0==(0|$);r:do{if(!sr){if(q>>>0>=(Se[vi+8>>2]-r|0)>>>0){var
nr=0;break}var
or=$,e=or>>2,lr=Me[vi+16>>2],br=or>>>0<lr>>>0;do if(!br){var kr=or+r|0,ur=kr;if(or>>>0>=kr>>>0)break;var
cr=Me[v+6],hr=Me[v+3],dr=(0|hr)==(0|$);do if(dr){var wr=$+20|0,pr=Se[wr>>2];if(0==(0|pr)){var
Er=$+16|0,Ar=Se[Er>>2];if(0==(0|Ar)){var gr=0,a=gr>>2;break}var yr=Er,mr=Ar}else{var
yr=wr,mr=pr;f=28}for(;;){var mr,yr,Sr=mr+20|0,Mr=Se[Sr>>2];if(0==(0|Mr)){var
Cr=mr+16|0,Rr=Me[Cr>>2];if(0==(0|Rr))break;var yr=Cr,mr=Rr}else var yr=Sr,mr=Mr}if(yr>>>0<lr>>>0)throw
Ka(),"Reached an unreachable!";Se[yr>>2]=0;var gr=mr,a=gr>>2}else{var Tr=Me[v+2];if(Tr>>>0<lr>>>0)throw
Ka(),"Reached an unreachable!";Se[Tr+12>>2]=hr,Se[hr+8>>2]=Tr;var gr=hr,a=gr>>2}while(0);var
gr,Or=0==(0|cr);a:do if(!Or){var
Nr=$+28|0,Ir=(Se[Nr>>2]<<2)+vi+304|0,Pr=(0|$)==(0|Se[Ir>>2]);do{if(Pr){if(Se[Ir>>2]=gr,0!=(0|gr))break;var
Dr=Se[vi+4>>2]&(1<<Se[Nr>>2]^1);Se[vi+4>>2]=Dr;break a}if(cr>>>0<Me[vi+16>>2]>>>0)throw
Ka(),"Reached an unreachable!";var
Lr=cr+16|0;if((0|Se[Lr>>2])==(0|$)?Se[Lr>>2]=gr:Se[cr+20>>2]=gr,0==(0|gr))break
a}while(0);if(gr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[a+6]=cr;var
Fr=Me[v+4];if(0!=(0|Fr)){if(Fr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+4]=Fr,Se[Fr+24>>2]=gr}var
Xr=Me[v+5];if(0==(0|Xr))break;if(Xr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+5]=Xr,Se[Xr+24>>2]=gr}while(0);var jr=q>>>0<16;a:do if(jr){var
Ur=q+r|0;Se[v+1]=3|Ur;var xr=Ur+(or+4)|0,zr=1|Se[xr>>2];Se[xr>>2]=zr}else
if(Se[v+1]=3|r,Se[_+(e+1)]=1|q,Se[(q>>2)+e+_]=q,q>>>0<256){var
Vr=q>>>2&1073741822,Br=(Vr<<2)+vi+40|0,Hr=Me[vi>>2],Kr=1<<(q>>>3),Yr=0==(Hr&Kr|0);do{if(!Yr){var
Gr=(Vr+2<<2)+vi+40|0,Wr=Me[Gr>>2];if(Wr>>>0>=Me[vi+16>>2]>>>0){var Zr=Wr,Qr=Gr;break}throw
Ka(),"Reached an unreachable!";Se[vi>>2]=Hr|Kr;var Zr=Br,Qr=(Vr+2<<2)+vi+40|0}while(0);var

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Qr,Zr;Se[Qr>>2]=ur,Se[Zr+12>>2]=ur,Se[_+(e+2)]=Zr,Se[_+(e+3)]=Br}else{var qr=kr,$r=q>>>8,Jr=0==(0|$r);do
if(Jr)var ra=0;else{if(q>>>0>16777215){var ra=31;break}var
aa=($r+1048320|0)>>>16&8,ea=$r<<aa,ia=(ea+520192|0)>>>16&4,va=ea<<ia,ta=(va+245760|0)>>>16&2,fa=14-
(ia|aa|ta)+(va<<ta>>>15)|0,ra=q>>>((fa+7|0)>>>0)&1|fa<<1}while(0);var
ra,_a=(ra<<2)+vi+304|0;Se[_+(e+7)]=ra;var sa=r+(or+16)|0;Se[_+(e+5)]=0,Se[sa>>2]=0;var
na=Se[vi+4>>2],oa=1<<ra;if(0==(na&oa|0)){var
la=na|oa;Se[vi+4>>2]=la,Se[_a>>2]=qr,Se[_+(e+6)]=_a,Se[_+(e+3)]=qr,Se[_+(e+2)]=qr}else{if(31==(0|ra))var
ba=0;else var ba=25-(ra>>>1)|0;for(var ba,ka=q<<ba,ua=Se[_a>>2];){var ua,ka;if((Se[ua+4>>2]&-
8|0)==(0|q)){var ca=ua+8|0,ha=Me[ca>>2],da=Me[vi+16>>2],wa=ua>>>0<da>>>0;do
if(!wa){if(ha>>>0<da>>>0)break;Se[ha+12>>2]=qr,Se[ca>>2]=qr,Se[_+(e+2)]=ha,Se[_+(e+3)]=ua,Se[_+(e+6)]=0;
break a}while(0);throw Ka(),"Reached an unreachable!"}var
pa=(ka>>>31<<2)+ua+16|0,Ea=Me[pa>>2];if(0==(0|Ea)){if(pa>>>0>=Me[vi+16>>2]>>>0){Se[pa>>2]=qr,Se[_+(
e+6)]=ua,Se[_+(e+3)]=qr,Se[_+(e+2)]=qr;break a}throw Ka(),"Reached an unreachable!"}var
ka=ka<<1,ua=Ea}}while(0);var nr=$+8|0;break r}while(0);throw Ka(),"Reached an unreachable!"}var
nr=0}while(0);var
nr;return nr}function ia(r){var a;0==(0|Se[ti>>2])&&ba();var e=r>>>0<4294967232;r:do if(e){var
i=Me[vi+24>>2];if(0==(0|i)){var v=0;break}var t=Me[vi+12>>2],f=t>>>0>(r+40|0)>>>0;do if(f){var
=Me[ti+8>>2],s=-40-r-1+t+|0,n=Math.floor((s>>>0)/(_>>>0)),o=(n-
1)*_|0,l=i,b=ua(l);if(0!=(8&Se[b+12>>2]|0))break;var
k=re(0),a=(b+4|0)>>2;if((0|k)!=((Se[b>>2]+Se[a]|0))break;var u=o>>>0>2147483646?-2147483648-_|0;o,c=0|-
u,h=re(c),d=re(0);if(!((0|h)!=-1&d>>>0<k>>>0))break;var w=k-d|0;if((0|k)==(0|d))break;var p=Se[a]-
w|0;Se[a]=p;var E=Se[vi+432>>2]-w|0;Se[vi+432>>2]=E;var A=Se[vi+24>>2],g=Se[vi+12>>2]-w|0;ca(A,g);var
v=(0|k)!=((0|d));break r}while(0);if(Me[vi+12>>2]>>>0<=Me[vi+28>>2]>>>0){var v=0;break}Se[vi+28>>2]=-1;var
v=0}else var v=0;while(0);var v;return 1&v}function va(r){var a,e,i,v,t,f,_,s=r>>2,n=0==(0|r);r:do if(!n){var o=r-
8|0,l=o,b=Me[vi+16>>2],k=o>>>0>>0;a:do if(!k){var u=Me[r-4>>2],c=3&u;if(1==(0|c))break;var h=u&-
8,f=h>>2,d=r+(h-8)|0,w=d,p=0==(1&u|0);e:do if(p){var E=Me[o>>2];if(0==(0|c))break
r;var A=-8-E|0,t=A>>2,g=r+A|0,y=g,m=E+h|0;if(g>>>0>>0)break a;if((0|y)==(0|Se[vi+20>>2])){var v=(r+(h-
4)|0)>>2;if(3!=(3&Se[v]|0)){var S=y,i=S>>2,M=m;break}Se[vi+8>>2]=m;var C=Se[v]&-
2;Se[v]=C,Se[t+(s+1)]=1|m,Se[d>>2]=m;break r}if(E>>>0<256){var
R=Me[t+(s+2)],T=Me[t+(s+3)];if((0|R)!=((0|T))){var
O=((E>>>2&1073741822)<<2)+vi+40|0,N=(0|R)!=((0|O)&R>>>0>>0);do
if(!N){if(!((0|T)==(0|O)|T>>>0>=b>>>0))break;Se[R+12>>2]=T,Se[T+8>>2]=R;var S=y,i=S>>2,M=m;break
e}while(0);throw Ka(),"Reached an unreachable!"}var I=Se[vi>>2]&(1<<(E>>>3)^-1);Se[vi>>2]=I;var
S=y,i=S>>2,M=m}else{var P=g,D=Me[t+(s+6)],L=Me[t+(s+3)],F=(0|L)==(0|P);do if(F){var
X=A+(r+20)|0,j=Se[X>>2];if(0==(0|j)){var U=A+(r+16)|0,x=Se[U>>2];if(0==(0|x)){var z=0,e=z>>2;break}var
V=U,B=x}else{var V=X,B=j;_ =21}for(;;){var B,V,H=B+20|0,K=Se[H>>2];if(0==(0|K)){var
Y=B+16|0,G=Me[Y>>2];if(0==(0|G))break;var V=Y,B=G}else var V=H,B=K}if(V>>>0>>0)throw
Ka(),"Reached an unreachable!";Se[V>>2]=0;var z=B,e=z>>2}else{var
W=Me[t+(s+2)];if(W>>>0>>0)throw Ka(),"Reached an unreachable!";Se[W+12>>2]=L,Se[L+8>>2]=W;var
z=L,e=z>>2}while(0);var z;if(0==(0|D)){var S=y,i=S>>2,M=m;break}var
Z=A+(r+28)|0,Q=(Se[Z>>2]<<2)+vi+304|0,q=(0|P)==(0|Se[Q>>2]);do{if(q){if(Se[Q>>2]=z,0!=(0|z))break;var
$=Se[vi+4>>2]&(1<<Se[Z>>2]^-1);Se[vi+4>>2]=$;var S=y,i=S>>2,M=m;break
e}if(D>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";var
J=D+16|0;if((0|Se[J>>2])==(0|P)?Se[J>>2]=z:Se[D+20>>2]=z,0==(0|z)){var S=y,i=S>>2,M=m;break
e}}while(0);if(z>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[e+6]=D;var
rr=Me[t+(s+4)];if(0!=(0|rr)){if(rr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[e+4]=rr,Se[rr+24>>2]=z}var ar=Me[t+(s+5)];if(0==(0|ar)){var
S=y,i=S>>2,M=m;break}if(ar>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an

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unreachable!";Se[e+5]=ar,Se[ar+24>>2]=z;var S=y,i=S>>2,M=m} }else var S=l,i=S>>2,M=h;while(0);var
M,S,er=S;if(er>>>0>=d>>>0)break;var ir=r+(h-4)|0,vr=Me[ir>>2];if(0==(1&vr|0))break;var
tr=0==(2&vr|0);do{ if(tr){ if((0|w)==(0|Se[vi+24>>2])){ var
fr=Se[vi+12>>2]+M|0;Se[vi+12>>2]=fr,Se[vi+24>>2]=S;var
_r=1|fr;if(Se[i+1]=_r,(0|S)==(0|Se[vi+20>>2])&&(Se[vi+20>>2]=0,Se[vi+8>>2]=0),fr>>>0<=Me[vi+28>>2]>>>0)
break r;ia(0);break r}if((0|w)==(0|Se[vi+20>>2])){ var sr=Se[vi+8>>2]+M|0;Se[vi+8>>2]=sr,Se[vi+20>>2]=S;var
nr=1|sr;Se[i+1]=nr;var or=er+sr|0;Se[or>>2]=sr;break r}var lr=(vr&-8)+M|0,br=vr>>>3,kr=vr>>>0<256;e:do
if(kr){ var ur=Me[s+f],cr=Me[((4|h)>>2)+s];if((0|ur)!=(0|cr)){ var
hr=((vr>>>2&1073741822)<<2)+vi+40|0,dr=(0|ur)==(0|hr);do{ if(!dr){ if(ur>>>0<Me[vi+16>>2]>>>0){ _=66;break
}_=63;break}_=63}while(0);do
if(63==_){ if((0|cr)!=(0|hr)&&cr>>>0<Me[vi+16>>2]>>>0)break;Se[ur+12>>2]=cr,Se[cr+8>>2]=ur;break
e}while(0);throw Ka(),"Reached an unreachable!"}var wr=Se[vi>>2]&(1<<br^1);Se[vi>>2]=wr}else{ var
pr=d,Er=Me[f+(s+4)],Ar=Me[((4|h)>>2)+s],gr=(0|Ar)==(0|pr);do if(gr){ var
yr=h+(r+12)|0,mr=Se[yr>>2];if(0==(0|mr)){ var Sr=h+(r+8)|0,Mr=Se[Sr>>2];if(0==(0|Mr)){ var
Cr=0,a=Cr>>2;break}var
Rr=Sr,Tr=Mr}else{ var Rr=yr,Tr=mr;_=73}for(;;){ var Tr,Rr,Or=Tr+20|0,Nr=Se[Or>>2];if(0==(0|Nr)){ var
Ir=Tr+16|0,Pr=Me[Ir>>2];if(0==(0|Pr))break;var Rr=Ir,Tr=Pr}else var
Rr=Or,Tr=Nr;if(Rr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[Rr>>2]=0;var
Cr=Tr,a=Cr>>2}else{ var Dr=Me[s+f];if(Dr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[Dr+12>>2]=Ar,nSe[Ar+8>>2]=Dr;var Cr=Ar,a=Cr>>2}while(0);var Cr;if(0==(0|Er))break;var
Lr=h+(r+20)|0,Fr=(Se[Lr>>2]<<2)+vi+304|0,Xr=(0|pr)==(0|Se[Fr>>2]);do{ if(Xr){ if(Se[Fr>>2]=Cr,0!=(0|Cr))break
;var jr=Se[vi+4>>2]&(1<<Se[Lr>>2]^1);Se[vi+4>>2]=jr;break e}if(Er>>>0<Me[vi+16>>2]>>>0)throw
Ka(),"Reached an unreachable!";var
Ur=Er+16|0;if((0|Se[Ur>>2])==(0|pr)?Se[Ur>>2]=Cr:Se[Er+20>>2]=Cr,0==(0|Cr))break
e}while(0);if(Cr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[a+6]=Er;var
xr=Me[f+(s+2)];if(0!=(0|xr)){ if(xr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+4]=xr,Se[xr+24>>2]=Cr}var
zr=Me[f+(s+3)];if(0==(0|zr))break;if(zr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+5]=zr,Se[zr+24>>2]=Cr}while(0);if(Se[i+1]=1|lr,Se[er+lr>>2]=lr,(0|S)!=(0|Se[vi+20>>2])){ va
r Vr=lr;break}Se[vi+8>>2]=lr;break r}Se[ir>>2]=vr&-2,Se[i+1]=1|M,Se[er+M>>2]=M;var Vr=M}while(0);var
Vr;if(Vr>>>0<256){ var
Br=Vr>>>2&1073741822,Hr=(Br<<2)+vi+40|0,Kr=Me[vi>>2],Yr=1<<(Vr>>>3),Gr=0==(Kr&Yr|0);do{ if(!Gr){ va
r Wr=(Br+2<<2)+vi+40|0,Zr=Me[Wr>>2];if(Zr>>>0>=Me[vi+16>>2]>>>0){ var Qr=Zr,qr=Wr;break}throw
Ka(),"Reached an unreachable!"}Se[vi>>2]=Kr|Yr;var Qr=Hr,qr=(Br+2<<2)+vi+40|0}while(0);var
qr,Qr;Se[qr>>2]=S,Se[Qr+12>>2]=S,Se[i+2]=Qr,Se[i+3]=Hr;break r}var $r=S,Jr=Vr>>>8,ra=0==(0|Jr);do if(ra)var
aa=0;else{ if(Vr>>>0>16777215){ var aa=31;break}var
ea=(Jr+1048320|0)>>>16&8,va=Jr<<ea,fa=(va+520192|0)>>>16&4,_a=va<<fa,sa=(a+245760|0)>>>16&2,na=14-
(fa|ea|sa)+(_a<<sa>>>15)|0,aa=Vr>>>((na+7|0)>>>0)&1|na<<1}while(0);var
aa,oa=(aa<<2)+vi+304|0;Se[i+7]=aa,Se[i+5]=0,Se[i+4]=0;var la=Se[vi+4>>2],ba=1<<aa,ka=0==(la&ba|0);e:do
if(ka){ var ua=la|ba;Se[vi+4>>2]=ua,Se[oa>>2]=$r,Se[i+6]=oa,Se[i+3]=S,Se[i+2]=S}else{ if(31==(0|aa))var
ca=0;else var ca=25-(aa>>>1)|0;for(var ca,ha=Vr<<ca,da=Se[oa>>2];;){ var da,ha;if((Se[da+4>>2]&-
8|0)==(0|Vr)){ var wa=da+8|0,pa=Me[wa>>2],Ea=Me[vi+16>>2],Aa=da>>>0<Ea>>>0;do
if(!Aa){ if(pa>>>0<Ea>>>0)break;Se[pa+12>>2]=$r,Se[wa>>2]=$r,Se[i+2]=pa,Se[i+3]=da,Se[i+6]=0;break
e}while(0);throw Ka(),"Reached an unreachable!"}var
ga=(ha>>>31<<2)+da+16|0,ya=Me[ga>>2];if(0==(0|ya)){ if(ga>>>0>=Me[vi+16>>2]>>>0){ Se[ga>>2]=$r,Se[i+6]
=da,Se[i+3]=S,Se[i+2]=S;break e}throw Ka(),"Reached an unreachable!"}var ha=ha<<1,da=ya} }while(0);var
ma=Se[vi+32>>2]-1|0;if(Se[vi+32>>2]=ma,0!=(0|ma))break r;ta(0);break r}while(0);throw Ka(),"Reached an
unreachable!"}while(0)}function ta(){ var r=Se[vi+452>>2],a=0==(0|r);r:do if(!a)for(var e=r;;){ var

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e,i=Se[e+8>>2];if(0==(0|i))break r;var e=i}while(0);Se[vi+32>>2]=-1}function fa(r,a){if(0==(0|r))var
e=Jr(a),i=e;else var v=la(r,a),i=v;var
i;return i}function _a(r,a){var e,i=r>>>0<9;do if(i)var v=Jr(a),t=v;else{var f=r>>>0<16?16:r,_0==(f-1&f|0);r:do
if(_var s=f;else{if(f>>>0<=16){var s=16;break}for(var n=16;;){var n,o=n<<1;if(o>>>0>=f>>>0){var s=o;break
r}var n=o}}while(0);var s;if((-64-s|0)>>>0>a>>>0){if(a>>>0<11)var l=16;else var l=a+11&-8;var
l,b=Jr(l+(s+12)|0);if(0==(0|b)){var t=0;break}var k=b-8|0;if(0==(b>>>0)%(s>>>0)|0))var u=k,c=0;else{var
h=b+(s-1)&-s,d=h-8|0,w=k;if((d-w|0)>>>0>15)var p=d;else var p=h+(s-8)|0;var p,E=p-w|0,e=(b-
4|0)>>2,A=Se[e],g=(A&-8)-E|0;if(0==(3&A|0)){var y=Se[k>>2]+E|0;Se[p>>2]=y,Se[p+4>>2]=g;var
u=p,c=0}else{var m=p+4|0,S=g|1&Se[m>>2]|2;Se[m>>2]=S;var M=g+(p+4)|0,C=1|Se[M>>2];Se[M>>2]=C;var
R=E|1&Se[e]|2;Se[e]=R;var T=b+(E-4)|0,O=1|Se[T>>2];Se[T>>2]=O;var u=p,c=b}}var
c,u,N=u+4|0,I=Me[N>>2],P=0==(3&I|0);do if(P)var D=0;else{var L=I&-8;if(L>>>0<=(l+16|0)>>>0){var
D=0;break}var F=L-l|0;Se[N>>2]=l|1&I|2,Se[u+(4|l)>>2]=3|F;var X=u+(4|L)|0,j=1|Se[X>>2];Se[X>>2]=j;var
D=l+(u+8)|0}while(0);var
D;0!=(0|c)&&va(c),0!=(0|D)&&va(D);var t=u+8|0}else{var U=Je();Se[U>>2]=12;var t=0}}while(0);var t;return
t}function sa(r,a,e,i){var v,t;0==(0|Se[ti>>2])&&ba();var f=0==(0|i),_0==(0|r);do{if(f){if(_){var
s=Jr(0),n=s;t=30;break}var o=r<<2;if(o>>>0<11){var l=0,b=16;t=9;break}var l=0,b=o+11&-8;t=9;break}if(_){var
n=i;t=30;break}var l=i,b=0;t=9;break}while(0);do if(9==t){var b,l,k=0==(1&e|0);r:do if(k){if(_){var
u=0,c=0;break}for(var h=0,d=0;;){var d,h,w=Me[a+(d<<2)>>2];if(w>>>0<11)var p=16;else var p=w+11&-8;var
p,E=p+h|0,A=d+1|0;if((0|A)==(0|r)){var u=0,c=E;break r}var h=E,d=A}}else{var g=Me[a>>2];if(g>>>0<11)var
y=16;else var y=g+11&-8;var y,u=y,c=y*r|0}while(0);var c,u,m=Jr(b-4+c|0);if(0==(0|m)){var n=0;break}var S=m-
8|0,M=Se[m-4>>2]&-8;if(0!=(2&e|0)){var C=-4-b+M|0;Fa(m,0,C,1)}if(0==(0|l)){var R=m+c|0,T=M-c|3;Se[m+(c-
4)>>2]=T;var O=R,v=O>>2,N=c}else var O=l,v=O>>2,N=M;var N,O;Se[v]=m;var I=r-1|0,P=0==(0|I);r:do if(P)var
D=S,L=N;else if(0==(0|u))for(var F=S,X=N,j=0;;){var j,X,F,U=Me[a+(j<<2)>>2];if(U>>>0<11)var
x=16;else var x=U+11&-8;var x,z=X-x|0;Se[F+4>>2]=3|x;var
V=F+x|0,B=j+1|0;if(Se[(B<<2)>>2]+v]=x+(F+8)|0,(0|B)==(0|I)){var D=V,L=z;break r}var F=V,X=z,j=B}else
for(var H=3|u,K=u+8|0,Y=S,G=N,W=0;;){var W,G,Y,Z=G-u|0;Se[Y+4>>2]=H;var
Q=Y+u|0,q=W+1|0;if(Se[(q<<2)>>2]+v]=Y+K|0,(0|q)==(0|I)){var D=Q,L=Z;break r}var
Y=Q,G=Z,W=q}while(0);var L,D;Se[D+4>>2]=3|L;var n=O}while(0);var n;return n}function na(r){var
a=r>>>2;0==(0|Se[ti>>2])&&ba();var e=Me[vi+24>>2];if(0==(0|e))var i=0,v=0,t=0,f=0,_=0,s=0,n=0;else{for(var
o=Me[vi+12>>2],l=o+40|0,b=vi+444|0,k=l,u=l,c=1;;){var c,u,k,b,h=Me[b>>2],d=h+8|0;if(0==(7&d|0))var w=0;else
var w=7&-d;for(var w,p=b+4|0,E=h+w|0,A=c,g=u,y=k;;){var
y,g,A,E;if(E>>>0<h>>>0)break;if(E>>>0>=(h+Se[p>>2]|0)>>>0|(0|E)==(0|e))break;var
m=Se[E+4>>2];if(7==(0|m))break;var S=m&-8,M=S+y|0;if(1==(3&m|0))var C=A+1|0,R=S+g|0;else var
C=A,R=g;var R,C,E=E+S|0,A=C,g=R,y=M}var T=Me[b+8>>2];if(0==(0|T))break;var b=T,k=y,u=g,c=A}var
O=Se[vi+432>>2],i=y,v=A,t=o,f=g,_=O-y|0,s=Se[vi+436>>2],n=O-g|0}var
n,s,_f,t,v,i;Se[a]=i,Se[a+1]=v,Se[a+2]=0,Se[a+3]=0,Se[a+4]=_,Se[a+5]=s,Se[a+6]=0,Se[a+7]=n,Se[a+8]=f,Se[a+9]
=t}function oa(){0==(0|Se[ti>>2])&&ba();var r=Me[vi+24>>2],a=0==(0|r);r:do if(a)var e=0,i=0,v=0;else for(var
t=Se[vi+436>>2],f=Me[vi+432>>2],_=vi+444|0,s=f-40-Se[vi+12>>2]|0;;){var
s,_n=Me[_>>2],o=n+8|0;if(0==(7&o|0))var l=0;else var l=7&-o;for(var l,b=_+4|0,k=n+l|0,u=s;;){var
u,k;if(k>>>0<n>>>0)break;if(k>>>0>=(n+Se[b>>2]|0)>>>0|(0|k)==(0|r))break;var
c=Se[k+4>>2];if(7==(0|c))break;var h=c&-8,d=1==(3&c|0)?h:0,w=u-d|0,k=k+h|0,u=w}var
p=Me[_+8>>2];if(0==(0|p)){var e=t,i=f,v=u;break r}var _=p,s=u}while(0);var
v,i,e,E=Se[Se[qe>>2]+12>>2],A=(Qa(E,0|He.__str339,(ne=Oe,Oe+=4,Se[ne>>2]=e,ne)),Se[Se[qe>>2]+12>>2]),g=
(Qa(A,0|He.__str1340,(ne=Oe,Oe+=4,Se[ne>>2]=i,ne)),Se[Se[qe>>2]+12>>2]);Qa(g,0|He.__str2341,(ne=Oe,Oe+=
4,Se[ne>>2]=v,ne))}function la(r,a){var e,i,v,t=a>>>0>4294967231;r:do{if(!t){var f=r-8|0,_=f,i=(r-
4|0)>>2,s=Me[i],n=s&-8,o=n-8|0,l=r+o|0,b=f>>>0<Me[vi+16>>2]>>>0;do
if(!b){var k=3&s;if(!(1!=(0|k)&(0|o)>-8))break;var e=(r+(n-4)|0)>>2;if(0==(1&Se[e]|0))break;if(a>>>0<11)var
u=16;else var u=a+11&-8;var u,c=0==(0|k);do{if(c){var

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h=ka(_u),d=0,w=h;v=17;break}if(n>>>0<u>>>0){if((0|l)!=(0|Se[vi+24>>2])){v=21;break}var
p=Se[vi+12>>2]+n|0;if(p>>>0<u>>>0){v=21;break}var E=p-u|0,A=r+(u-8)|0;Se[i]=u|1&s|2;var g=1|E;Se[r+(u-
4)>>2]=g,Se[vi+24>>2]=A,Se[vi+12>>2]=E;var d=0,w=_;v=17;break}var y=n-u|0;if(y>>>0<15){var
d=0,w=_;v=17;break}Se[i]=u|1&s|2,Se[r+(u-4)>>2]=3|y;var m=1|Se[e];Se[e]=m;var
d=r+u|0,w=_;v=17;break}while(0);do if(17==v){var w,d;if(0==(0|w))break;0!=(0|d)&&va(d);var S=w+8|0;break
r}while(0);var M=Jr(a);if(0==(0|M))){var S=0;break r}var C=0==(3&Se[i]|0)?8:4,R=n-
C|0,T=R>>>0<a>>>0?R:a;Pa(M,r,T,1),va(r);var S=M;break r}while(0);throw Ka(),"Reached an unreachable!";var
O=Je();Se[O>>2]=12;var S=0}while(0);var S;return S}function ba(){if(0==(0|Se[ti>>2])){var r=qa(8);if(0!=(r-
1&r|0))throw Ka(),"Reached an unreachable!";Se[ti+8>>2]=r,Se[ti+4>>2]=r,Se[ti+12>>2]=r-
1,Se[ti+16>>2]=2097152,Se[ti+20>>2]=0,Se[vi+440>>2]=0;var
a=$a(0);Se[ti>>2]=a&-16^1431655768}}function ka(r,a){var e=Se[r+4>>2]&-8,i=a>>>0<256;do if(i)var
v=0;else{if(e>>>0<=(a+4|0)>>>0&&(e-a|0)>>>0<=Se[ti+8>>2]<<1>>>0){var v=r;break}var v=0}while(0);var
v;return v}function ua(r){for(var a,e=vi+444|0,a=e>>2;;){var
e,i=Me[a];if(i>>>0<=r>>>0&&(i+Se[a+1]|0)>>>0<r>>>0){var v=e;break}var t=Me[a+2];if(0==(0|t)){var
v=0;break}var e=t,a=e>>2}var v;return v}function ca(r,a){var e=r,i=r+8|0;if(0==(7&i|0))var v=0;else var v=7&-
i;var v,t=a-v|0;Se[vi+24>>2]=e+v|0,Se[vi+12>>2]=t,Se[v+(e+4)>>2]=1|t,Se[a+(e+4)>>2]=40;var
f=Se[ti+16>>2];Se[vi+28>>2]=f}function ha(){for(var r=0;;){var
r,a=r<<1,e=(a<<2)+vi+40|0;Se[vi+(a+3<<2)+40>>2]=e,Se[vi+(a+2<<2)+40>>2]=e;var
i=r+1|0;if(32==(0|i))break;var r=i}}function da(r,a,e){var i,v,t,f,_=a>>2,s=r>>2,n=r+8|0;if(0==(7&n|0))var o=0;else
var o=7&-n;var o,l=a+8|0;if(0==(7&l|0))var b=0,t=b>>2;else var b=7&-l,t=b>>2;var
b,k=a+b|0,u=k,c=o+e|0,v=c>>2,h=r+c|0,d=h,w=k-(r+o)-e|0;Se[(o+4>>2)+s]=3|e;var
p=(0|u)==(0|Se[vi+24>>2]);r:do if(p){var E=Se[vi+12>>2]+w|0;Se[vi+12>>2]=E,Se[vi+24>>2]=d;var
A=1|E;Se[v+(s+1)]=A}else if((0|u)==(0|Se[vi+20>>2])){var
g=Se[vi+8>>2]+w|0;Se[vi+8>>2]=g,Se[vi+20>>2]=d;var y=1|g;Se[v+(s+1)]=y;var
m=r+g+c|0;Se[m>>2]=g}else{var S=Me[t+(_+1)];if(1==(3&S|0)){var M=S&-8,C=S>>>3,R=S>>>0<256;a:do
if(R){var T=Me[((8|b)>>2)+_],O=Me[t+(_+3)];if((0|T)!=(0|O)){var
N=((S>>>2&1073741822)<<2)+vi+40|0,I=(0|T)==(0|N);do{if(!I){if(T>>>0<Me[vi+16>>2]>>>0){f=18;break}f=1
5;break}f=15}while(0);do
if(15==f){if((0|O)!=(0|N)&&O>>>0<Me[vi+16>>2]>>>0)break;Se[T+12>>2]=O,Se[O+8>>2]=T;break
a}while(0);throw Ka(),"Reached an unreachable!";var P=Se[vi>>2]&(1<<C^1);Se[vi>>2]=P}else{var
D=k,L=Me[((24|b)>>2)+_],F=Me[t+(_+3)],X=(0|F)==(0|D);do if(X){var
j=16|b,U=j+(a+4)|0,x=Se[U>>2];if(0==(0|x)){var z=a+j|0,V=Se[z>>2];if(0==(0|V)){var B=0,i=B>>2;break}var
H=z,K=V}else{var H=U,K=x;f=25}for(;;){var K,H,Y=K+20|0,G=Se[Y>>2];if(0==(0|G)){var
W=K+16|0,Z=Me[W>>2];if(0==(0|Z))break;var H=W,K=Z}else var
H=Y,K=G}if(H>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[H>>2]=0;var
B=K,i=B>>2}else{var Q=Me[((8|b)>>2)+_];if(Q>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[Q+12>>2]=F,Se[F+8>>2]=Q;var B=F,i=B>>2}while(0);var B;if(0==(0|L))break;var
q=b+(a+28)|0,$=(Se[q>>2]<<2)+vi+304|0,J=(0|D)==(0|Se[$>>2]);do{if(J){if(Se[$>>2]=B,0!=(0|B))break;var
rr=Se[vi+4>>2]&(1<<Se[q>>2]^1);Se[vi+4>>2]=rr;break a}if(L>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached
an unreachable!";var ar=L+16|0;if((0|Se[ar>>2])==(0|D)?Se[ar>>2]=B:Se[L+20>>2]=B,0==(0|B))break
a}while(0);if(B>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[i+6]=L;var
er=16|b,ir=Me[(er>>2)+_];if(0!=(0|ir)){if(ir>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[i+4]=ir,Se[ir+24>>2]=B}var
vr=Me[(er+4>>2)+_];if(0==(0|vr))break;if(vr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[i+5]=vr,Se[vr+24>>2]=B}while(0);var
tr=a+(M|b)|0,fr=M+w|0}else var tr=u,fr=w;var fr,tr,_r=tr+4|0,sr=Se[_r>>2]&-
2;if(Se[_r>>2]=sr,Se[v+(s+1)]=1|fr,Se[(fr>>2)+s+v]=fr,fr>>>0<256){var
nr=fr>>>2&1073741822,or=(nr<<2)+vi+40|0,lr=Me[vi>>2],br=1<<(fr>>>3),kr=0==(lr&br|0);do{if(!kr){var

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ur=(nr+2<<2)+vi+40|0,cr=Me[ur>>2];if(cr>>>0>=Me[vi+16>>2]>>>0){var hr=cr,dr=ur;break}throw
Ka(),"Reached an unreachable!")Se[vi>>2]=lr;br;var hr=or,dr=(nr+2<<2)+vi+40|0}while(0);var
dr,hr;Se[dr>>2]=d,Se[hr+12>>2]=d,Se[v+(s+2)]=hr,Se[v+(s+3)]=or}else{var wr=h,pr=fr>>>8,Er=0==(0|pr);do
if(Er)var Ar=0;else{if(fr>>>0>16777215){var Ar=31;break}var
gr=(pr+1048320|0)>>>16&8,yr=pr<<gr,mr=(yr+520192|0)>>>16&4,Sr=yr<<mr,Mr=(Sr+245760|0)>>>16&2,Cr=1
4-(mr|gr|Mr)+(Sr<<Mr>>>15)|0,Ar=fr>>>((Cr+7|0)>>>0)&1|Cr<<1}while(0);var
Ar,Rr=(Ar<<2)+vi+304|0;Se[v+(s+7)]=Ar;var Tr=c+(r+16)|0;Se[v+(s+5)]=0,Se[Tr>>2]=0;var
Or=Se[vi+4>>2],Nr=1<<Ar;if(0==(Or&Nr|0)){var
Ir=Or|Nr;Se[vi+4>>2]=Ir,Se[Rr>>2]=wr,Se[v+(s+6)]=Rr,Se[v+(s+3)]=wr,Se[v+(s+2)]=wr}else{if(31==(0|Ar))var
Pr=0;else var Pr=25-(Ar>>>1)|0;for(var Pr,Dr=fr<<Pr,Lr=Se[Rr>>2];){var Lr,Dr;if((Se[Lr+4>>2]&-
8|0)==(0|fr)){var Fr=Lr+8|0,Xr=Me[Fr>>2],jr=Me[vi+16>>2],Ur=Lr>>>0<jr>>>0;do
if(!Ur){if(Xr>>>0<jr>>>0)break;Se[Xr+12>>2]=wr,Se[Fr>>2]=wr,Se[v+(s+2)]=Xr,Se[v+(s+3)]=Lr,Se[v+(s+6)]=0
;break r}while(0);throw Ka(),"Reached an unreachable!")}var
xr=(Dr>>>31<<2)+Lr+16|0,zr=Me[xr>>2];if(0==(0|zr)){if(xr>>>0>=Me[vi+16>>2]>>>0){Se[xr>>2]=wr,Se[v+(s
+6)]=Lr,Se[v+(s+3)]=wr,Se[v+(s+2)]=wr;break r}throw Ka(),"Reached an unreachable!")}var
Dr=Dr<<1,Lr=zr}}while(0);return r+(8|o)|0}function wa(r){return 0|He.__str3342}function pa(r){return
0|He.__str14343}function Ea(r){Se[r>>2]=si+8|0}function Aa(r){0!=(0|r)&&va(r)}function ga(r){ya(r);var
a=r;Aa(a)}function ya(r){var a=0|r;Ye(a)}function ma(r){var a=0|r;Ea(a),Se[r>>2]=ni+8|0}function Sa(r){var
a=0|r;ya(a);var e=r;Aa(e)}function Ma(r,a){var
e,i,v=Me[vi+24>>2],i=v>>2,t=v,f=ua(t),_=Se[f>>2],s=Se[f+4>>2],n=_+s|0,o=_+(s-39)|0;if(0==(7&o|0))var
l=0;else var l=7&-o;var l,b=_+(s-47)+l|0,k=b>>>0<(v+16|0)>>>0?t:b,u=k+8|0,e=u>>2,c=u,h=r,d=a-
40|0;ca(h,d);var
w=k+4|0;Se[w>>2]=27,Se[e]=Se[vi+444>>2],Se[e+1]=Se[vi+448>>2],Se[e+2]=Se[vi+452>>2],Se[e+3]=Se[vi+45
6>>2],Se[vi+444>>2]=r,Se[vi+448>>2]=a,Se[vi+456>>2]=0,Se[vi+452>>2]=c;var p=k+28|0;Se[p>>2]=7;var
E=(k+32|0)>>>0<n>>>0;r:do if(E)for(var A=p;;){var A,g=A+4|0;if(Se[g>>2]=7,(A+8|0)>>>0>=n>>>0)break r;var
A=g}while(0);var y=(0|k)==(0|t);r:do if(!y){var m=k-v|0,S=t+m|0,M=m+(t+4)|0,C=Se[M>>2]&-2;Se[M>>2]=C;var
R=1|m;Se[i+1]=R;var T=S;if(Se[T>>2]=m,m>>>0<256){var
O=m>>>2&1073741822,N=(O<<2)+vi+40|0,I=Me[vi>>2],P=1<<(m>>>3),D=0==(I&P|0);do{if(!D){var
L=(O+2<<2)+vi+40|0,F=Me[L>>2];if(F>>>0>=Me[vi+16>>2]>>>0){var X=F,j=L;break}throw Ka(),"Reached an
unreachable!")}var U=I|P;Se[vi>>2]=U;var X=N,j=(O+2<<2)+vi+40|0}while(0);var
j,X;Se[j>>2]=v,Se[X+12>>2]=v,Se[i+2]=X,Se[i+3]=N}else{var x=v,z=m>>>8,V=0==(0|z);do if(V)var
B=0;else{if(m>>>0>16777215){var B=31;break}var
H=(z+1048320|0)>>>16&8,K=z<<H,Y=(K+520192|0)>>>16&4,G=K<<Y,W=(G+245760|0)>>>16&2,Z=14-
(Y|H|W)+(G<<W>>>15)|0,B=m>>>((Z+7|0)>>>0)&1|Z<<1}while(0);var
B,Q=(B<<2)+vi+304|0;Se[i+7]=B,Se[i+5]=0,Se[i+4]=0;var q=Se[vi+4>>2],$=1<<B;if(0==(q&$|0)){var
J=q|$;Se[vi+4>>2]=J,Se[Q>>2]=x,Se[i+6]=Q,Se[i+3]=v,Se[i+2]=v}else{if(31==(0|B))var rr=0;else var rr=25-
(B>>>1)|0;for(var rr,ar=m<<rr,er=Se[Q>>2];){var er,ar;if((Se[er+4>>2]&-8|0)==(0|m)){var
ir=er+8|0,vr=Me[ir>>2],tr=Me[vi+16>>2],fr=er>>>0<tr>>>0;do
if(!fr){if(vr>>>0<tr>>>0)break;Se[vr+12>>2]=x,Se[ir>>2]=x,Se[i+2]=vr,Se[i+3]=er,Se[i+6]=0;break
r}while(0);throw Ka(),"Reached an unreachable!")}var
_r=(ar>>>31<<2)+er+16|0,sr=Me[_r>>2];if(0==(0|sr)){if(_r>>>0>=Me[vi+16>>2]>>>0){Se[_r>>2]=x,Se[i+6]=er,
Se[i+3]=v,Se[i+2]=v;break r}throw Ka(),"Reached an unreachable!")}var ar=ar<<1,er=sr}}while(0)}function
Ca(r){return d(r)}function Ra(r,a){var e=0;do Ae[r+e]=Ae[a+e],e++;while(0!=Ae[a+e-1]);return r}function
Ta(r){var r=Ta;return
r.LLVM_SAVEDSTACKS||(r.LLVM_SAVEDSTACKS=[]),r.LLVM_SAVEDSTACKS.push(le.stackSave()),r.LL
VM_SAVEDSTACKS.length-1}function
Oa(r){var
a=Ta,e=a.LLVM_SAVEDSTACKS[r];a.LLVM_SAVEDSTACKS.splice(r,1),le.stackRestore(e)}function

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Na(r,a,e){for(var i=0;i<e;){var v=Ae[r+i],t=Ae[a+i];if(v==t&&0==v)return 0;if(0==v)return-1;if(0==t)return
1;if(v!=t)return v>t?1:-1;i++}return 0}function Ia(r,a){var e=Ca(r),i=0;do Ae[r+e+i]=Ae[a+i],i++;while(0!=Ae[a+i-
1]);return r}function Pa(r,a,e,i){if(e>=20&&a%2==r%2)if(a%4==r%4){for(var
v=a+e;a%4;)Ae[r++]=Ae[a++];for(var
t=a>>2,f=r>>2,_=v>>2;t<_;)Se[f++]=Se[t++];for(a=t<<2,r=f<<2;a<v;)Ae[r++]=Ae[a++]}else{var
v=a+e;a%2&&(Ae[r++]=Ae[a++]);for(var
s=a>>1,n=r>>1,o=v>>1;s<o;)ye[n++]=ye[s++];a=s<<1,r=n<<1,a<v&&(Ae[r++]=Ae[a++])}else for(;e--
;)Ae[r++]=Ae[a++]}function Da(r,a){return Na(r,a,Le)}function La(r,a,e){for(var i=0;i<e;i++){var
v=Ae[r+i],t=Ae[a+i];if(v!=t)return v>t?1:-1}return 0}function Fa(r,a,e,i){if(e>=20){for(var
v=r+e;r%4;)Ae[r++]=a;a<0&&(a+=256);for(var
t=r>>2,f=v>>2,_=a|a<<8|a<<16|a<<24;t<f;)Se[t++]=_;for(r=t<<2;r<v;)Ae[r++]=a}else
for(;e--;)Ae[r++]=a}function Xa(r,a,e,i){throw"Assertion failed: '"+s(i)+"', at: '"+[s(r),a,s(e)]}'"}function ja(r){var
a=d(r),e=Jr(a+1);return Pa(e,r,a,1),Ae[e+a]=0,e}function Ua(r,a){function e(r){var
e;return"double"===r?(xe[0]=Se[a+_>>2],xe[1]=Se[a+_+4>>2],e=ze[0]):\'i64\'==r?e=[Se[a+_>>2],Se[a+_+4>>2
]]:(r=\'i32\' ,e=Se[a+_>>2]),_+=le.getFieldSize(r),e}for(var i,v,t,f=r,_=0,s=[];){var
n=f;if(!e(Ae[f],0===i)break;if(v=Ae[f+1],i==\'"%\' .charCodeAt(0)){var
o=!1,l=!1,b=!1,k=!1;r:for(;;){switch(v){case\' \' .charCodeAt(0):o=!0;break;case\'-\'
\' .charCodeAt(0):l=!0;break;case\'#\'' .charCodeAt(0):b=!0;break;case\'0\' .charCodeAt(0):if(k)break
r;k=!0;break;default:break r}f++,v=Ae[f+1]}var u=0;if(v==\'"*\' .charCodeAt(0))u=e(\'i32\'),f++,v=Ae[f+1];else
for(;v==\'0\' .charCodeAt(0)&&v<=\'9\' .charCodeAt(0);)u=10*u+(v-\'0\' .charCodeAt(0)),f++,v=Ae[f+1];var
c=!1;if(v==\'.\' .charCodeAt(0)){var h=0;if(c=!0,f++,v=Ae[f+1],v==\'"*\' .charCodeAt(0))h=e(\'i32\'),f++;else
for(;;){var d=Ae[f+1];if(d<\'0\' .charCodeAt(0)||d>\'9\' .charCodeAt(0))break;h=10*h+(d-
\'0\' .charCodeAt(0)),f++}v=Ae[f+1]}else var h=6;var E;switch(String.fromCharCode(v)){case\'h\' :var
A=Ae[f+2];A==\'h\' .charCodeAt(0)?(f++,E=1):E=2;break;case\'l\' :var
A=Ae[f+2];A==\'l\' .charCodeAt(0)?(f++,E=8):E=4;break;case\'L\' :case\'q\' :case\'j\' :E=8;break;case\'z\' :case\'t\'
\' :case\'I\' :E=4;break;default:E=null}if(E&&f++,v=Ae[f+1],[\'d\' ,\'i\' ,\'u\' ,\'o\' ,\'x\' ,\'X\' ,\'p\'].indexOf(String.f
romCharCode(v))!=1){var m=v==\'d\' .charCodeAt(0)||v==\'i\' .charCodeAt(0);E=E||4;var
t=e(\'i\' +8*E);if(8==E&&(t=le.makeBigInt(t[0],t[1],v==\'u\' .charCodeAt(0))),E<=4){var S=Math.pow(256,E)-
1;t=(m?y:g)(t&S,8*E)}var
M,C=Math.abs(t),R=\' \' ;if(v==\'d\' .charCodeAt(0)||v==\'i\' .charCodeAt(0))M=y(t,8*E,1).toString(10);else
if(v==\'u\' .charCodeAt(0))M=g(t,8*E,1).toString(10),t=Math.abs(t);else
if(v==\'o\' .charCodeAt(0))M=(b?\'0\' :\' \')+C.toString(8);else
if(v==\'x\' .charCodeAt(0)||v==\'X\' .charCodeAt(0)){if(R=b?\'0x\' :\' \' ,t<0){t=-t,M=(C-1).toString(16);for(var
T=[],O=0;O<M.length;O++)T.push((15-
parseInt(M[O],16)).toString(16));for(M=T.join(\' \');M.length<2*E;)M=\'f\' +M}else
M=C.toString(16);v==\'X\' .charCodeAt(0)&&(R=R.toUpperCase(),M=M.toUpperCase())}else
v==\'p\' .charCodeAt(0)&&(0===C?M=\'(nil)\' :(R=\'0x\' ,M=C.toString(16)));if(c)for(;M.length<h;)M=\'0\' +M;f
or(o&&(R=t<0?\'-\' +R:\' \' +R);R.length+M.length<u;)I?M+=\' \' :k?M=\'0\' +M:R=\'
\' +R;M=R+M,M.split(\' \').forEach(function(r){s.push(r.charCodeAt(0))})}else
if([\'f\' ,\'F\' ,\'e\' ,\'E\' ,\'g\' ,\'G\'].indexOf(String.fromCharCode(v))!=1){var
M,t=e(\'double\');if(isNaN(t))M=\'nan\' ,k=!1;else if(isFinite(t)){var
N=!1,I=Math.min(h,20);if(v==\'g\' .charCodeAt(0)||v==\'G\' .charCodeAt(0)){N=!0,h=h||1;var
P=parseInt(t.toExponential(I).split(\'e\')[1],10);h>P&&P>=-
4?(v=(v==\'g\' .charCodeAt(0)?\'f\' :\'F\').charCodeAt(0),h-
=P+1):(v=(v==\'g\' .charCodeAt(0)?\'e\' :\'E\').charCodeAt(0),h--
),I=Math.min(h,20)}v==\'e\' .charCodeAt(0)||v==\'E\' .charCodeAt(0)?(M=t.toExponential(I)/[eI][
+])\\d$/.test(M)&&(M=M.slice(0,-1)+\'0\' +M.slice(-
1)):v!=\'f\' .charCodeAt(0)&&v!=\'F\' .charCodeAt(0)||(M=t.toFixed(I));var

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D=M.split("\e\");if(N&&!b)for(;D[0].length>1&&D[0].indexOf("\.")!=-1&&("\0"==D[0].slice(-
1)||"."==D[0].slice(-1));)D[0]=D[0].slice(0,-1);else for(b&&M.indexOf("\.")==
1&&(D[0]+="\.");h>I++;)D[0]+="\0\";M=D[0]+(D.length>1?"e"+D[1]:"\\"),v+="E\".charCodeAt(0)&&(M=M.to
UpperCase()),o&&t>=0&&(M="\\"+M)}else M=(t<0?"-":"")+\"inf\",k=!1;for(;M.length<u;){l?M+=\"
\":M=!k||\"-\"!=M[0]&&\"+\"!=M[0]?(\"0\":"
\")+M:M[M[0]+\"0\"+M.slice(1);v<\"a\".charCodeAt(0)&&(M=M.toUpperCase()),M.split("\").forEach(function(r){s.
push(r.charCodeAt(0))})}else if(v==\"s\".charCodeAt(0)){var
L,F=e(\"i8*\");if(F?(L=w(F),c&&L.length>h&&(L=L.slice(0,h)):L=p(\"(null)\",!0,!l)for(;L.length<u--;){s.push(\"
\").charCodeAt(0);if(s=s.concat(L,l)for(;L.length<u--;){s.push(\" \").charCodeAt(0))}else
if(v==\"c\".charCodeAt(0)){for(l&&s.push(e(\"i8\"));--u>0;){s.push(\"
\").charCodeAt(0);l||s.push(e(\"i8\"))}else if(v==\"n\".charCodeAt(0)){var X=e(\"i32*\");Se[X>>2]=s.length}else
if(v==\"%\".charCodeAt(0))s.push(i);else for(var O=n;O<f+2;O++)s.push(Ae[O]);f+=2}else s.push(i),f+=1}return
s}function xa(r,a,e,i){for(var v=Ua(e,i),t=void 0===a?v.length:Math.min(v.length,a-
1),f=0;f<t;f++)Ae[r+f]=v[f];return Ae[r+f]=0,v.length}function za(r,a,e){return xa(r,void 0,a,e)}function
Va(r){return r in {32:0,9:0,10:0,11:0,12:0,13:0}}function Ba(r){return
r>=\"0\".charCodeAt(0)&&r<=\"9\".charCodeAt(0)}function Ha(r){for(var
a;(a=Ae[r])&&Va(a);r++;if(!a||Ba(a))return 0;for(var e=r;(a=Ae[e])&&Ba(a);e++;return
Math.floor(Number(s(r).substr(0,e-r)))}function Ka(r){throw ke=!0,\"ABORT: \"'+r+'\", at \"'+(new
Error).stack}function Ya(r){return Ya.ret||(Ya.ret=_[0],\"i32\",we)),Se[Ya.ret>>2]=r,r}function Ga(r,a,e,i){var
v=$e.streams[r];if(!v||v.object.isDevice)return Ya(Ge.EBADF),-1;if(v.isWrite){if(v.object.isFolder)return
Ya(Ge.EISDIR),-1;if(e<0||i<0)return Ya(Ge.EINVAL),-1;for(var
t=v.object.contents;t.length<i;t.push(0);for(var f=0;f<e;f++)t[i+f]=ge[a+f];return
v.object.timestamp=Date.now(),f)return Ya(Ge.EACCES),-1}function Wa(r,a,e){var
i=$e.streams[r];if(i){if(i.isWrite){if(e<0)return Ya(Ge.EINVAL),-1;if(i.object.isDevice){if(i.object.output){for(var
v=0;v<e;v++)try{i.object.output(Ae[a+v])}catch(r){return Ya(Ge.EIO),-1}return
i.object.timestamp=Date.now(),v)return Ya(Ge.ENXIO),-1}var t=Ga(r,a,e,i.position);return t!=-
1&&(i.position+=t),t)return Ya(Ge.EACCES),-1}return Ya(Ge.EBADF),-1}function Za(r,a,e,i){var
v=e*a;if(0==v)return 0;var t=Wa(i,r,v);return t==~-1?($e.streams[i]&&($e.streams[i].error=!0),-
1):Math.floor(t/a)}function Qa(r,a,e){var i=Ua(a,e),v=le.stackSave(),t=Za(_(i,\"i8\",de),1,i.length,r);return
le.stackRestore(v),t}function qa(r){switch(r){case 8:return Pe;case 54:case 56:case 21:case 61:case 63:case 22:case
67:case 23:case 24:case 25:case 26:case 27:case 69:case 28:case 101:case 70:case 71:case 29:case 30:case 199:case
75:case
76:case 32:case 43:case 44:case 80:case 46:case 47:case 45:case 48:case 49:case 42:case 82:case 33:case 7:case
108:case 109:case 107:case 112:case 119:case 121:return 200809;case 13:case 104:case 94:case 95:case 34:case
35:case 77:case 81:case 83:case 84:case 85:case 86:case 87:case 88:case 89:case 90:case 91:case 94:case 95:case
110:case 111:case 113:case 114:case 115:case 116:case 117:case 118:case 120:case 40:case 16:case 79:case
19:return-1;case 92:case 93:case 5:case 72:case 6:case 74:case 92:case 93:case 96:case 97:case 98:case 99:case
102:case 103:case 105:return 1;case 38:case 66:case 50:case 51:case 4:return 1024;case 15:case 64:case 41:return
32;case 55:case 37:case 17:return 2147483647;case 18:case 1:return 47839;case 59:case 57:return 99;case 68:case
58:return 2048;case 0:return 2097152;case 3:return 65536;case 14:return 32768;case 73:return 32767;case 39:return
16384;case 60:return 1e3;case 106:return 700;case 52:return 256;case 62:return 255;case 2:return 100;case 65:return
64;case 36:return 20;case 100:return 16;case 20:return 6;case 53:return 4}return Ya(Ge.EINVAL),-1}function
$a(r){var a=Math.floor(Date.now()/1e3);return r&&(Se[r>>2]=a),a}function Ja(){return Ya.ret}function re(r){var
a=re;a.called||(Ie=o(Ie),a.called=!0);var e=Ie;return 0!=r&&le.staticAlloc(r,e)}function ae(){return
Se[ae.buf>>2]}function ee(r){r=r||Module.arguments,k();var a=null;return
Module._main&&(a=Module.callMain(r),Module.noExitRuntime||u(0)),a}var ie=[],ve=false,te=\"object\"==typeof
window,fe=\"function\"==typeof
importScripts,_e=!te&&!ve&&!fe;if(ve){print=function(r){process.stdout.write(r+\"\\n\\n\")},printErr=function(r){pr

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null;e(v.fields.length===r.length,"Number of named fields must match the type for '"+a,t=v.flatIndexes}else{var
v={fields:r.map(function(r){return r[0]})};t=le.calculateStructAlignment(v)}var f={__size__:v.flatSize};return
a?r.forEach(function(r,a){if(typeof r!="string")f[r]=t[a]+i}else{var e;for(var _ in
r)e=_;f[e]=le.generateStructInfo(r[e],v.fields[a],t[a])});r.forEach(function(r,a){f[r[1]]=t[a]}),f,stackAlloc:function
(r){var
a=Oe;return Oe+=r,Oe=Oe+3>>2<<2,a},staticAlloc:function(r){var a=Ie;return
Ie+=r,Ie=Ie+3>>2<<2,Ie=>Le&&l(),a},alignMemory:function(r,a){var e=r=Math.ceil(r/(a?4:4))*(a?4:4);return
e},makeBigInt:function(r,a,e){var i=e?(r>>>0)+4294967296*(a>>>0):(r>>>0)+4294967296*(0|a);return
i},QUANTUM_SIZE:4,__dummy__:0},be={MAX_ALLOWED:0,corrections:0,sigs:{},note:function(r,e,i){e||(this.
corrections++,this.corrections>=this.MAX_ALLOWED&&a("\n\nToo many
corrections!\n"))},print:function(){},ke=!1,ue=0,ce=this;Module.ccall=i,Module.setValue=t,Module.getValue=f;var
he=0,de=1,we=2;Module.ALLOC_NORMAL=he,Module.ALLOC_STACK=de,Module.ALLOC_STATIC=we,Mo
dule.allocate=_,Module.Pointer_stringify=s,Module.Array_stringify=n;var
pe,Ee,Ae,ge,ye,me,Se,Me,Ce,Re,Te,Oe,Ne,Ie,Pe=4096,De=Module.TOTAL_STACK||5242880,Le=Module.TOTA
L_MEMORY||10485760;Module.FAST_MEMORY||2097152;e(!(Int32Array&&Float64Array&&new
Int32Array(1).subarray&&new Int32Array(1).set),"Cannot fallback to non-typed array case: Code is too
specialized");var Fe=new ArrayBuffer(Le);Ae=new Int8Array(Fe),ye=new Int16Array(Fe),Se=new
Int32Array(Fe),ge=new Uint8Array(Fe),me=new Uint16Array(Fe),Me=new Uint32Array(Fe),Ce=new
Float32Array(Fe),Re=new Float64Array(Fe),Se[0]=255,e(255===ge[0]&&0===ge[3],"Typed arrays 2 must be run
on a little-endian system");var Xe=p("(null)");Ie=Xe.length;for(var
je=0;je<Xe.length;je++)Ae[je]=Xe[je];Module.HEAP=Ee,Module.HEAP8=Ae,Module.HEAP16=ye,Module.HEAP
32=Se,Module.HEAPU8=ge,Module.HEAPU16=me,Module.HEAPU32=Me,Module.HEAPF32=Ce,Module.HEAP
F64=Re,Te=Oe=le.alignMemory(Ie),Ne=Te+De;var
Ue=le.alignMemory(Ne,8),xe=(Ae.subarray(Ue),Se.subarray(Ue>>2)),ze=(Ce.subarray(Ue>>2),Re.subarray(Ue>>3
));Ne=Ue+8,Ie=o(Ne);var
Ve=[],Be=[];Module.Array_copy=c,Module.TypedArray_copy=h,Module.String_len=d,Module.String_copy=w,Mo
dule.intArrayFromString=p,Module.intArrayToString=E,Module.writeStringToMemory=A;var
He=[],Ke=0;O.X=1,N.X=1,V.X=1,H.X=1,G.X=1,W.X=1,q.X=1,$.X=1,rr.X=1,ar.X=1,er.X=1,vr.X=1,nr.X=1,or.X=
1,kr.X=1,hr.X=1,Ar.X=1,Sr.X=1,Tr.X=1,Ir.X=1,Pr.X=1,Dr.X=1,Lr.X=1,Fr.X=1,Xr.X=1,zr.X=1,Vr.X=1,Br.X=1,Gr
.X=1,$r.X=1,Module._malloc=Jr,Jr.X=1,ra.X=1,aa.X=1,ea.X=1,ia.X=1,Module._free=va,va.X=1,_a.X=1,sa.X=1,na
.X=1,oa.X=1,la.X=1,da.X=1,Ma.X=1;var
Ye,Ge={E2BIG:7,EACCES:13,EADDRINUSE:98,EADDRNOTAVAIL:99,EAFNOSUPPORT:97,EAGAIN:11,E
ALREADY:114,EBADF:9,EBADMSG:74,EBUSY:16,ECANCELED:125,ECHILD:10,ECONNABORTED:103,E
CONNREFUSED:111,ECONNRESET:104,EDEADLK:35,EDESTADDRREQ:89,EDOM:33,EDQUOT:122,EEXI
ST:17,EFAULT:14,EFBIG:27,EHOSTUNREACH:113,EIDRM:43,EILSEQ:84,EINPROGRESS:115,EINTR:4,EIN
VAL:22,EIO:5,EISCONN:106,EISDIR:21,ELOOP:40,EMFILE:24,EMLINK:31,EMSGSIZE:90,EMULTIHOP:72,
ENAMETOOLONG:36,ENETDOWN:100,ENETRESET:102,ENETUNREACH:101,ENFILE:23,ENOBUFS:105,
ENODATA:61,ENODEV:19,ENOENT:2,ENOEXEC:8,ENOLCK:37,ENOLINK:67,ENOMEM:12,ENOMSG:42,E
NOPROTOOPT:92,ENOSPC:28,ENOSR:63,ENOSTR:60,ENOSYS:38,ENOTCONN:107,ENOTDIR:20,ENOTEM
PTY:39,ENOTRECOVERABLE:131,ENOTSOCK:88,ENOTSUP:95,ENOTTY:25,ENXIO:6,E_OVERFLOW:75,E
OWNERDEAD:130,EPERM:1,EPIPE:32,EPROTO:71,EPROTONOSUPPORT:93,EPROTOTYPE:91,ERANGE:3
4,EROFS:30,ESPIPE:29,ESRCH:3,ESTALE:116,ETIME:62,ETIMEDOUT:110,ETXTBSY:26,EWOULDBLOCK:
11,EXDEV:18},We=0,Ze=0,Qe=0,qe=0,$e={currentPath:"^",nextInode:2,streams:[null],ignorePermissions:!0,abso
lutePath:function(r,a){if(typeof r!="string")return null;void 0===a&&(a=$e.currentPath),r&&"^"===r[0]&&(a="^");for(var
e=a+"^"+r,i=e.split("^").reverse(),v=["^"];i.length;){var
t=i.pop();"."===t||"."===t||"."===t?v.length>1&&v.pop():v.push(t)}return
1===v.length?"^"+v.join("^"),analyzePath:function(r,a,e){var

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i={isRoot:!1,exists:!1,error:0,name:null,path:null,object:null,parentExists:!1,parentPath:null,parentObject:null};if(r=
$.absolutePath(r),"^"==r)i.isRoot=!0,i.exists=i,parentExists=!0,i.name="^",i.path=i.parentPath="^",i.object=i.pa
rentObject=$e.root;else if(null!==(r)){e=e||0,r=r.slice(1).split("^");for(var
v=$e.root,t=[""];r.length;){1==r.length&&v.isFolder&&(i.parentExists=!0,i.parentPath=1==t.length?"^":t.join("/
"),i.parentObject=v,i.name=r[0]);var
f=r.shift();if(!v.isFolder){i.error=Ge.ENOTDIR;break}if(!v.read){i.error=Ge.EACCES;break}if(!v.contents.hasOw
nProperty(f)){i.error=Ge.ENOENT;break}if(v=v.contents[f],v.link&&(!a||0!=r.length)){if(e>40){i.error=Ge.ELOO
P;break}var _=$e.absolutePath(v.link,t.join("^"));return
$.analyzePath([_].concat(r).join("^"),a,e+1)}t.push(f),0==r.length&&(i.exists=!0,i.path=t.join("^"),i.object=v)}re
turn i}return i},findObject:function(r,a){$.ensureRoot();var e=$e.analyzePath(r,a);return
e.exists?e.object:(Ya(e.error,null)),createObject:function(r,a,e,i,v){if(r||(r="^"),"string"==typeof
r&&(r=$e.findObject(r)),!r)throw Ya(Ge.EACCES),new Error("Parent path must exist.");if(!r.isFolder)throw
Ya(Ge.ENOTDIR),new Error("Parent must be a folder.");if(!r.write&&$.ignorePermissions)throw
Ya(Ge.EACCES),new
Error("Parent folder must be writeable.");if(!a||"."==a||".."==a)throw Ya(Ge.ENOENT),new Error("Name must
not be empty.");if(r.contents.hasOwnProperty(a))throw Ya(Ge.EEXIST),new Error("Can't overwrite
object.");r.contents[a]={read:void 0===i||i,write:void
0!=v&&v,timestamp:Date.now(),inodeNumber:$.nextInode++};for(var t in
e)e.hasOwnProperty(t)&&(r.contents[a][t]=e[t]);return r.contents[a]},createFolder:function(r,a,e,i){var
v={isFolder:!0,isDevice:!1,contents:{}};return $.createObject(r,a,v,e,i)},createPath:function(r,a,e,i){var
v=$e.findObject(r);if(null===v)throw new Error("Invalid parent.");for(a=a.split("^").reverse();a.length;){var
t=a.pop();t&&(v.contents.hasOwnProperty(t)||$.createFolder(v,t,e,i),v=v.contents[t])}return
v},createFile:function(r,a,e,i,v){return
e.isFolder=!1,$e.createObject(r,a,e,i,v)},createDataFile:function(r,a,e,i,v){if("string"==typeof e){for(var t=new
Array(e.length),f=0,_=e.length;f<_;++f)t[f]=e.charCodeAt(f);e=t}var s={isDevice:!1,contents:e};return
$.createFile(r,a,s,i,v)},createLazyFile:function(r,a,e,i,v){var t={isDevice:!1,url:e};return
$.createFile(r,a,t,i,v)},createLink:function(r,a,e,i,v){var t={isDevice:!1,link:e};return
$.createFile(r,a,t,i,v)},createDevice:function(r,a,e,i){if(!e&&!i)throw new Error("A device must have at least one
callback defined.");var v={isDevice:!0,input:e,output:i};return
$.createFile(r,a,v,Boolean(e),Boolean(i))},forceLoadFile:function(r){if(r.isDevice||r.isFolder||r.link||r.contents)retur
n!0;var a=!0;if("undefined"!=typeof XMLHttpRequest)e("Cannot do synchronous binary XHRs in modern
browsers. Use --embed-file or --preload-file in emcc");else{if("undefined"!=typeof read)throw new
Error("Cannot load without read() or XMLHttpRequest.");try{r.contents=p(read(r.url),!0)}catch(r){a=!1}}return
a||Ya(Ge.EIO),a},ensureRoot:function(){$.root||($.root={read:!0,write:!0,isFolder:!0,isDevice:!1,timestamp:Date.
now(),inodeNumber:1,contents:{}}),init:function(r,a,i){function
v(r){null===r||r=="\\n\\n".charCodeAt(0)?(a.printer(a.buffer.join("\n")),a.buffer=[]):a.buffer.push(String.fromCharCode(r))}e(!$.init.initialized,"FS.init was previously called. If you want to initialize later with custom parameters,
remove any earlier calls (note that one is automatically added to the generated
code)"),$.init.initialized=!0,$e.ensureRoot(),r=r||Module.stdin,a=a||Module.stdout,i=i||Module.stderr;var
t=!0,f=!0,s=!0;r||(t=!1,r=function(){if(!r.cache||r.cache.length){var a;"undefined"!=typeof
window&&"function"==typeof window.prompt?a=window.prompt("Input: "):"function"==typeof
readline&&(a=readline()),a||(a="\n"),r.cache=p(a+"\\n\\n",!0)}return
r.cache.shift()}),a||(f=!1,a=v),a.printer||(a.printer=print),a.buffer||(a.buffer=[]),i||(s=!1,i=v),i.printer||(i.printer=print),i
.buffer||(i.buffer=[]),$.createFolder("^","\tmp",!0,!0);var
n=$e.createFolder("^","\dev",!0,!0),o=$e.createDevice(n,"\stdin",r),l=$e.createDevice(n,"\stdout",null,a),b=$e.cr
eateDevice(n,"\stderr",null,i),$e.createDevice(n,"\tty",r,a),$e.streams[1]={path:"/dev/stdin",object:o,position:0,is
Read:!0,isWrite:!1,isAppend:!1,isTerminal:!t,error:!1,eof:!1,ungotten:[],$e.streams[2]={path:"/dev/stdout",object:
l,position:0,isRead:!1,isWrite:!0,isAppend:!1,isTerminal:!f,error:!1,eof:!1,ungotten:[],$e.streams[3]={path:"/dev/s

```







[illegible]

,105,111,115,116,114,101,97,109,0],\"i8\",we),He.\_\_str168=\_([115,116,114,105,110,103,32,108,105,116,101,114,97,108,0],\"i8\",we),He.\_\_str169=\_([40,97,110,111,110,121,109,111,117,115,32,110,97,109,101,115,112,97,99,101,41,0],\"i8\",we),He.\_symbol\_demangle\_dashed\_null=\_([45,45,110,117,108,108,45,45,0],\"i8\",we),He.\_\_str170=\_([37,115,37,115,0],\"i8\",we),He.\_\_str171=\_([111,112,101,114,97,116,111,114,32,110,101,119,0],\"i8\",we),He.\_\_str2172=\_([111,112,101,114,97,116,111,114,32,100,101,108,101,116,101,0],\"i8\",we),He.\_\_str3173=\_([111,112,101,114,97,116,111,114,61,0],\"i8\",we),He.\_\_str4174=\_([111,112,101,114,97,116,111,114,62,62,0],\"i8\",we),He.\_\_str5175=\_([111,112,101,114,97,116,111,114,60,60,0],\"i8\",we),He.\_\_str6176=\_([111,112,101,114,97,116,111,114,33,0],\"i8\",we),He.\_\_str7177=\_([111,112,101,114,97,116,111,114,61,61,0],\"i8\",we),He.\_\_str8178=\_([111,112,101,114,97,116,111,114,33,61,0],\"i8\",we),He.\_\_str9179=\_([111,112,101,114,97,116,111,114,91,93,0],\"i8\",we),He.\_\_str10180=\_([111,112,101,114,97,116,111,114,32,0],\"i8\",we),He.\_\_str11181=\_([111,112,101,114,97,116,111,114,45,62,0],\"i8\",we),He.\_\_str12182=\_([111,112,101,114,97,116,111,114,42,0],\"i8\",we),He.\_\_str13183=\_([111,112,101,114,97,116,111,114,43,43,0],\"i8\",we),He.\_\_str14184=\_([111,112,101,114,97,116,111,114,45,45,0],\"i8\",we),He.\_\_str15185=\_([111,112,101,114,97,116,111,114,45,0],\"i8\",we),He.\_\_str16186=\_([111,112,101,114,97,116,111,114,43,0],\"i8\",we),He.\_\_str17187=\_([111,112,101,114,97,116,111,114,38,0],\"i8\",we),He.\_\_str18188=\_([111,112,101,114,97,116,111,114,45,62,42,0],\"i8\",we),He.\_\_str19189=\_([111,112,101,114,97,116,111,114,47,0],\"i8\",we),He.\_\_str20190=\_([111,112,101,114,97,116,111,114,37,0],\"i8\",we),He.\_\_str21191=\_([111,112,101,114,97,116,111,114,60,0],\"i8\",we),He.\_\_str22192=\_([111,112,101,114,97,116,111,114,60,61,0],\"i8\",we),He.\_\_str23193=\_([111,112,101,114,97,116,111,114,62,0],\"i8\",we),He.\_\_str24194=\_([111,112,101,114,97,116,111,114,62,61,0],\"i8\",we),He.\_\_str25195=\_([111,112,101,114,97,116,111,114,44,0],\"i8\",we),He.\_\_str26196=\_([111,112,101,114,97,116,111,114,40,41,0],\"i8\",we),He.\_\_str27197=\_([111,112,101,114,97,116,111,114,126,0],\"i8\",we),He.\_\_str28198=\_([111,112,101,114,97,116,111,114,94,0],\"i8\",we),He.\_\_str29199=\_([111,112,101,114,97,116,111,114,124,0],\"i8\",we),He.\_\_str30200=\_([111,112,101,114,97,116,111,114,38,38,0],\"i8\",we),He.\_\_str31201=\_([111,112,101,114,97,116,111,114,124,124,0],\"i8\",we),He.\_\_str32202=\_([111,112,101,114,97,116,111,114,42,61,0],\"i8\",we),He.\_\_str33203=\_([111,112,101,114,97,116,111,114,43,61,0],\"i8\",we),He.\_\_str34204=\_([111,112,101,114,97,116,111,114,45,61,0],\"i8\",we),He.\_\_str35205=\_([111,112,101,114,97,116,111,114,47,61,0],\"i8\",we),He.\_\_str36206=\_([111,112,101,114,97,116,111,114,37,61,0],\"i8\",we),He.\_\_str37207=\_([111,112,101,114,97,116,111,114,62,62,61,0],\"i8\",we),He.\_\_str38208=\_([111,112,101,114,97,116,111,114,60,60,61,0],\"i8\",we),He.\_\_str39209=\_([111,112,101,114,97,116,111,114,38,61,0],\"i8\",we),He.\_\_str40210=\_([111,112,101,114,97,116,111,114,124,61,0],\"i8\",we),He.\_\_str41211=\_([111,112,101,114,97,116,111,114,94,61,0],\"i8\",we),He.\_\_str42212=\_([96,118,102,116,97,98,108,101,39,0],\"i8\",we),He.\_\_str43213=\_([96,118,98,116,97,98,108,101,39,0],\"i8\",we),He.\_\_str44214=\_([96,118,99,97,108,108,39,0],\"i8\",we),He.\_\_str45215=\_([96,116,121,112,101,111,102,39,0],\"i8\",we),He.\_\_str46216=\_([96,108,111,99,97,108,32,115,116,97,116,105,99,32,103,117,97,114,100,39,0],\"i8\",we),He.\_\_str47217=\_([96,115,116,114,105,110,103,39,0],\"i8\",we),He.\_\_str48218=\_([96,118,98,97,115,101,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.\_\_str49219=\_([96,118,101,99,116,111,114,32,100,101,108,101,116,105,110,103,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.\_\_str50220=\_([96,100,101,102,97,117,108,116,32,99,111,110,115,116,114,117,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.\_\_str51221=\_([96,115,99,97,108,97,114,32,100,101,108,101,116,105,110,103,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.\_\_str52222=\_([96,118,101,99,116,111,114,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.\_\_str53223=\_([96,118,101,99,116,111,114,32,100,101,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.\_\_str54224=\_([96,118,101,99,116,111,114,32,118,98,97,115,101,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.\_\_str55225=\_([96,118,105,114,116,117,97,108,32,100,105,115,112,108,97,99,101,109,101,110,116,32,109,97,112,39,0],\"i8\",we),He.\_\_str56226=\_([96,101,104,32,118,101,99,116,111,114,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.\_\_str57227=\_([96,101,104,32,118,101,99,116,111,114,32,100,101,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.\_\_str58228=\_([96,101,104,32,118,101,99,116,111,114,32,118,98,97,115,101,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.\_\_str59229=\_([96,99,111,112,121,32,99,111,110,115,116,114,117,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.\_\_str60230=\_([37,115,37,115,32,96,82,84,84,7





",we),ki=\_ (12,\"\*\",we),Se[ri>>2]=0|He.\_\_str,Se[ri+4>>2]=0|He.\_\_str1,Se[ri+16>>2]=0|He.\_\_str2,Se[ri+20>>2]=0|He.\_\_str3,Se[ri+32>>2]=0|He.\_\_str4,Se[ri+36>>2]=0|He.\_\_str5,Se[ri+48>>2]=0|He.\_\_str6,Se[ri+52>>2]=0|He.\_\_str7,Se[ri+64>>2]=0|He.\_\_str8,Se[ri+68>>2]=0|He.\_\_str9,Se[ri+80>>2]=0|He.\_\_str10,Se[ri+96>>2]=0|He.\_\_str11,Se[ri+100>>2]=0|He.\_\_str12,Se[ri+112>>2]=0|He.\_\_str13,Se[ri+116>>2]=0|He.\_\_str14,Se[ri+128>>2]=0|He.\_\_str15,Se[ri+132>>2]=0|He.\_\_str16,Se[ri+144>>2]=0|He.\_\_str17,Se[ri+148>>2]=0|He.\_\_str18,Se[ri+160>>2]=0|He.\_\_str19,Se[ri+164>>2]=0|He.\_\_str20,Se[ri+176>>2]=0|He.\_\_str21,Se[ri+180>>2]=0|He.\_\_str22,Se[ri+192>>2]=0|He.\_\_str23,Se[ri+196>>2]=0|He.\_\_str24,Se[ri+208>>2]=0|He.\_\_str25,Se[ri+212>>2]=0|He.\_\_str26,Se[ri+224>>2]=0|He.\_\_str27,Se[ri+228>>2]=0|He.\_\_str28,Se[ri+240>>2]=0|He.\_\_str29,Se[ri+244>>2]=0|He.\_\_str30,Se[ri+256>>2]=0|He.\_\_str31,Se[ri+260>>2]=0|He.\_\_str32,Se[ri+272>>2]=0|He.\_\_str33,Se[ri+276>>2]=0|He.\_\_str34,Se[ri+288>>2]=0|He.\_\_str35,Se[ri+292>>2]=0|He.\_\_str36,Se[ri+304>>2]=0|He.\_\_str37,Se[ri+308>>2]=0|He.\_\_str38,Se[ri+320>>2]=0|He.\_\_str39,Se[ri+324>>2]=0|He.\_\_str40,Se[ri+336>>2]=0|He.\_\_str41,Se[ri+340>>2]=0|He.\_\_str42,Se[ri+352>>2]=0|He.\_\_str43,Se[ri+356>>2]=0|He.\_\_str44,Se[ri+368>>2]=0|He.\_\_str45,Se[ri+372>>2]=0|He.\_\_str46,Se[ri+384>>2]=0|He.\_\_str47,Se[ri+388>>2]=0|He.\_\_str48,Se[ri+400>>2]=0|He.\_\_str49,Se[ri+404>>2]=0|He.\_\_str119289,Se[ri+416>>2]=0|He.\_\_str51,Se[ri+420>>2]=0|He.\_\_str20,Se[ri+432>>2]=0|He.\_\_str52,Se[ri+436>>2]=0|He.\_\_str53,Se[ri+448>>2]=0|He.\_\_str54,Se[ri+452>>2]=0|He.\_\_str55,Se[ri+464>>2]=0|He.\_\_str56,Se[ri+468>>2]=0|He.\_\_str57,Se[ri+480>>2]=0|He.\_\_str58,Se[ri+484>>2]=0|He.\_\_str119289,Se[ri+496>>2]=0|He.\_\_str59,Se[ri+500>>2]=0|He.\_\_str60,Se[ri+512>>2]=0|He.\_\_str61,Se[ri+516>>2]=0|He.\_\_str62,Se[ri+528>>2]=0|He.\_\_str63,Se[ri+532>>2]=0|He.\_\_str64,Se[ri+544>>2]=0|He.\_\_str65,Se[ri+548>>2]=0|He.\_\_str66,Se[ri+560>>2]=0|He.\_\_str67,Se[ri+564>>2]=0|He.\_\_str68,Se[ri+576>>2]=0|He.\_\_str69,Se[ri+580>>2]=0|He.\_\_str70,Se[ri+592>>2]=0|He.\_\_str71,Se[ri+596>>2]=0|He.\_\_str72,Se[ri+608>>2]=0|He.\_\_str73,Se[ri+612>>2]=0|He.\_\_str74,Se[ri+624>>2]=0|He.\_\_str75,Se[ri+628>>2]=0|He.\_\_str76,Se[ri+640>>2]=0|He.\_\_str77,Se[ri+644>>2]=0|He.\_\_str72,Se[ri+656>>2]=0|He.\_\_str78,Se[ri+660>>2]=0|He.\_\_str79,Se[ri+672>>2]=0|He.\_\_str80,Se[ri+676>>2]=0|He.\_\_str81,Se[ri+688>>2]=0|He.\_\_str82,Se[ri+692>>2]=0|He.\_\_str83,Se[ri+704>>2]=0|He.\_\_str84,Se[ri+708>>2]=0|He.\_\_str85,Se[ri+720>>2]=0|He.\_\_str86,Se[ri+724>>2]=0|He.\_\_str87,Se[ri+736>>2]=0|He.\_\_str88,Se[ri+740>>2]=0|He.\_\_str89,Se[ri+752>>2]=0|He.\_\_str90,Se[ri+756>>2]=0|He.\_\_str91,Se[ri+768>>2]=0|He.\_\_str92,Se[ri+772>>2]=0|He.\_\_str91,Se[ai>>2]=0|He.\_\_str145315,Se[ai+8>>2]=0|He.\_\_str145315,Se[ai+20>>2]=0|He.\_\_str167337,Se[ai+28>>2]=0|He.\_\_str95,Se[ai+40>>2]=0|He.\_\_str146316,Se[ai+48>>2]=0|He.\_\_str97,Se[ai+60>>2]=0|He.\_\_str155325,Se[ai+68>>2]=0|He.\_\_str155325,Se[ai+80>>2]=0|He.\_\_str156326,Se[ai+88>>2]=0|He.\_\_str156326,Se[ai+100>>2]=0|He.\_\_str154324,Se[ai+108>>2]=0|He.\_\_str154324,Se[ai+120>>2]=0|He.\_\_str101,Se[ai+128>>2]=0|He.\_\_str101,Se[ai+140>>2]=0|He.\_\_str147317,Se[ai+148>>2]=0|He.\_\_str147317,Se[ai+160>>2]=0|He.\_\_str150320,Se[ai+168>>2]=0|He.\_\_str150320,Se[ai+180>>2]=0|He.\_\_str151321,Se[ai+188>>2]=0|He.\_\_str105,Se[ai+220>>2]=0|He.\_\_str152322,Se[ai+228>>2]=0|He.\_\_str152322,Se[ai+240>>2]=0|He.\_\_str153323,Se[ai+248>>2]=0|He.\_\_str153323,Se[ai+260>>2]=0|He.\_\_str165335,Se[ai+268>>2]=0|He.\_\_str165335,Se[ai+280>>2]=0|He.\_\_str166336,Se[ai+288>>2]=0|He.\_\_str166336,Se[ai+360>>2]=0|He.\_\_str148318,Se[ai+368>>2]=0|He.\_\_str148318,Se[ai+380>>2]=0|He.\_\_str149319,Se[ai+388>>2]=0|He.\_\_str149319,Se[ai+420>>2]=0|He.\_\_str84254,Se[ai+428>>2]=0|He.\_\_str84254,Se[ai+440>>2]=0|He.\_\_str168338,Se[ai+448>>2]=0|He.\_\_str146316,Se[ai+460>>2]=0|He.\_\_str114,Se[ai+468>>2]=0|He.\_\_str152322,Se[ai+480>>2]=0|He.\_\_str115,Se[ai+488>>2]=0|He.\_\_str115,Se[ai+500>>2]=0|He.\_\_str110280,Se[ai+508>>2]=0|He.\_\_str110280,Se[ei+4>>2]=0|He.\_\_str152,Se[ei+12>>2]=0|He.\_\_str152,Se[ei+32>>2]=0|He.\_\_str153,Se[ei+40>>2]=0|He.\_\_str153,Se[ei+48>>2]=0|He.\_\_str154,Se[ei+60>>2]=0|He.\_\_str155,Se[ei+68>>2]=0|He.\_\_str155,Se[ei+76>>2]=0|He.\_\_str156,Se[ei+88>>2]=0|He.\_\_str157,Se[ei+96>>2]=0|He.\_\_str158,Se[ei+104>>2]=0|He.\_\_str156,Se[ei+116>>2]=0|He.\_\_str159,Se[ei+124>>2]=0|He.\_\_str160,Se[ei+132>>2]=0|He.\_\_str161,Se[ei+144>>2]=0|He.\_\_str162,Se[ei+152>>2]=0|He.\_\_str163,Se[ei+160>>2]=0|He.\_\_str164,Se[ei+172>>2]=0|He.\_\_str165,Se[ei+180>>2]=0|He.\_\_str166,Se[ei+188>>2]=0|He.\_\_str167,Se[si+4>>2]=bi,Se[ni+4>>2]=ki,oi=\_ ([2,0,0,0,0],[\"i8\*\",0,0,0,0],we),Se[bi>>2]=oi+8|0,Se[bi+4>>2]=0|He.\_\_ZTSSt9bad\_alloc,Se[bi+8>>2]=li,Se[ki>>2]=oi+8|0,Se[ki+4>>2]=0|He.\_\_ZTSSt20bad\_array\_new\_length,Se[ki+8>>2]=bi,ui=16,ci=6,hi=18,di=6,wi=6,pe=[0,0,Jr,0,va,0,ya,0,ga,0,wa,0,Sa,0,pa,0,Ea,0,ma,0],Module.FUNCTION\_TABLE=pe,Module.run=ee,Module.preRun&&Module.preRun(),0==Ke){ee()}Module.postRun&&Module.postRun(),Module.\_\_cxa\_demangle=G;var

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pi=v(__cxa_demangle\,"string",[\"string\",\"string\",\"number\",\"number\"]);return function(r){return
pi(r,\"\",1,0)}();\n\n,\"\"use strict\";\nObject.defineProperty(exports, \"__esModule\", { value: true
});\nexports.chromeTreeToNodes = void 0;\nfunction treeToArray(root) {\n const nodes = [];\n function
visit(node) {\n nodes.push({\n id: node.id,\n callFrame: {\n columnNumber: 0,\n functionName: node.functionName,\n lineNumber: node.lineNumber,\n scriptId: node.scriptId,\n url: node.url,\n },\n hitCount: node.hitCount,\n children: node.children.map(child =>
child.id),\n });\n node.children.forEach(visit);\n }\n visit(root);\n return nodes;\n}\n\nfunction
timestampsToDeltas(timestamps,
startTime) {\n return timestamps.map((timestamp, index) => {\n const lastTimestamp = index === 0 ?
startTime * 1000000 : timestamps[index - 1];\n return timestamp - lastTimestamp;\n });\n}\n\n/**\n * Convert
the old tree-based format to the new flat-array based format\n */\nfunction chromeTreeToNodes(content) {\n //
Note that both startTime and endTime are now in microseconds\n return {\n samples: content.samples,\n startTime: content.startTime * 1000000,\n endTime: content.endTime * 1000000,\n nodes:
treeToArray(content.head),\n timeDeltas: timestampsToDeltas(content.timestamps, content.startTime),\n
 };\n}\n\nexports.chromeTreeToNodes = chromeTreeToNodes;\n\n,\"\"use strict\";\nObject.defineProperty(exports,
\"__esModule\", { value: true });\n\nexports.Flamechart = void 0;\nconst utils_1 = require(\"./utils\");\nconst math_1 =
require(\"./math\");\n\nclass Flamechart {\n constructor(source) {\n this.source
= source;\n // Bottom to top\n this.layers = [];\n this.totalWeight = 0;\n this.minFrameWidth = 1;\n
 const stack = [];\n const openFrame = (node, value) => {\n const parent = utils_1.lastOf(stack);\n
 const frame = {\n node,\n parent,\n children: [],\n start: value,\n
 end: value,\n };\n if (parent) {\n parent.children.push(frame);\n }\n
 stack.push(frame);\n };\n this.minFrameWidth = Infinity;\n const closeFrame = (node, value) => {\n
 console.assert(stack.length > 0);\n const stackTop = stack.pop();\n stackTop.end = value;\n if
(stackTop.end - stackTop.start === 0)\n return;\n const layerIndex = stack.length;\n while
(this.layers.length <= layerIndex)\n this.layers.push([]);\n
 this.layers[layerIndex].push(stackTop);\n this.minFrameWidth = Math.min(this.minFrameWidth,
stackTop.end - stackTop.start);\n };\n this.totalWeight = source.getTotalWeight();\n
 source.forEachCall(openFrame, closeFrame);\n if (!isFinite(this.minFrameWidth))\n this.minFrameWidth = 1;\n }\n getTotalWeight() {\n return this.totalWeight;\n }\n getLayers() {\n
 return this.layers;\n }\n getColorBucketForFrame(frame) {\n return
this.source.getColorBucketForFrame(frame);\n }\n getMinFrameWidth() {\n return this.minFrameWidth;\n
 }\n formatValue(v) {\n return this.source.formatValue(v);\n }\n
 getClampedViewportWidth(viewportWidth) {\n const maxWidth = this.getTotalWeight();\n // In order to
avoid floating point error, we cap the maximum zoom. In\n // particular, it's important that at the maximum
zoom level, the total\n // trace size
+ a viewport width is not equal to the trace size due to\n // floating point rounding.\n // For
instance, if the profile's total weight is 2^60, and the viewport\n // size is 1, trying to move one viewport width
right will result in no\n // change because 2^60 + 1 = 2^60 in floating point arithmetic. JavaScript\n //
numbers are 64 bit floats, and therefore have 53 mantissa bits. You can\n // see this for yourself in the console.
Try:\n // > Math.pow(2, 60) + 1 === Math.pow(2, 60)\n // true\n // > Math.pow(2, 53) + 1
=== Math.pow(2, 53)\n // true\n // > Math.pow(2, 52) + 1 === Math.pow(2, 52)\n // false\n // We use 2^40 as a cap instead, since we want to be able to make small\n // adjustments within a viewport
width.\n // For reference, this will still allow you to zoom until 1 nanosecond fills\n // the screen in
a
profile with a duration of over 18 minutes.\n // > Math.pow(2, 40) / (60 * Math.pow(10, 9))\n //
18.325193796266667\n const maxZoom = Math.pow(2, 40);\n // In addition to capping zoom to
avoid floating point error, we further cap\n // zoom to avoid letting you zoom in so that the smallest element
more than\n // fills the screen, since that probably isn't useful. The final zoom cap is\n // determined by the

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minimum zoom of either 2^40x zoom or the necessary zoom\n // for the smallest frame to fill the screen three
times.\n const minWidth = math_1.clamp(3 * this.getMinFrameWidth(), maxWidth / maxZoom, maxWidth);\n return math_1.clamp(viewportWidth, minWidth, maxWidth);\n }\n // Given a desired config-space viewport
rectangle, clamp the rectangle so\n // that it fits within the given flamechart. This prevents the viewport from\n //
extending past the bounds of the flamechart or zooming
in too far.\n getClampedConfigSpaceViewportRect({ configSpaceViewportRect, renderInverted, }) {\n const
configSpaceSize = new math_1.Vec2(this.getTotalWeight(), this.getLayers().length);\n const width =
this.getClampedViewportWidth(configSpaceViewportRect.size.x);\n const size =
configSpaceViewportRect.size.withX(width);\n const origin =
math_1.Vec2.clamp(configSpaceViewportRect.origin, new math_1.Vec2(0, renderInverted ? 0 : -1),
math_1.Vec2.max(math_1.Vec2.zero, configSpaceSize.minus(size).plus(new math_1.Vec2(0, 1))));\n return
new math_1.Rect(origin, configSpaceViewportRect.size.withX(width));\n }\n}\n\nexports.Flamechart =
Flamechart;\n", "\"use strict\";\nObject.defineProperty(exports, \"__esModule\", { value: true });\n\nexports.Rect =
exports.AffineTransform = exports.Vec2 = exports.clamp = void 0;\nfunction clamp(x, minVal, maxVal) {\n if (x
< minVal)\n return minVal;\n if (x > maxVal)\n return maxVal;\n return
x;\n}\n\nexports.clamp = clamp;\nlet Vec2 = /** @class */ ((() => {\n class Vec2 {\n constructor(x, y) {\n
this.x = x;\n this.y = y;\n }\n withX(x) {\n return new Vec2(x, this.y);\n }\n withY(y)
{\n return new Vec2(this.x, y);\n }\n plus(other) {\n return new Vec2(this.x + other.x, this.y +
other.y);\n }\n minus(other) {\n return new Vec2(this.x - other.x, this.y - other.y);\n }\n times(scalar) {\n
 return new Vec2(this.x * scalar, this.y * scalar);\n }\n timesPointwise(other) {\n
 return new Vec2(this.x * other.x, this.y * other.y);\n }\n dividedByPointwise(other) {\n return new
Vec2(this.x / other.x, this.y / other.y);\n }\n dot(other) {\n return this.x * other.x + this.y * other.y;\n
 }\n equals(other) {\n return this.x === other.x && this.y
=== other.y;\n }\n approxEquals(other, epsilon = 1e-9) {\n return Math.abs(this.x - other.x) <
epsilon && Math.abs(this.y - other.y) < epsilon;\n }\n length2() {\n return this.dot(this);\n }\n
length() {\n return Math.sqrt(this.length2());\n }\n abs() {\n return new
Vec2(Math.abs(this.x), Math.abs(this.y));\n }\n static min(a, b) {\n return new Vec2(Math.min(a.x,
b.x), Math.min(a.y, b.y));\n }\n static max(a, b) {\n return new Vec2(Math.max(a.x, b.x),
Math.max(a.y, b.y));\n }\n static clamp(v, min, max) {\n return new Vec2(clamp(v.x, min.x, max.x),
clamp(v.y, min.y, max.y));\n }\n flatten() {\n return [this.x, this.y];\n }\n }\n Vec2.zero =
new Vec2(0, 0);\n Vec2.unit = new Vec2(1, 1);\n return Vec2;\n})();\n\nexports.Vec2 = Vec2;\n\nclass
AffineTransform {\n constructor(m00
= 1, m01 = 0, m02 = 0, m10 = 0, m11 = 1, m12 = 0) {\n this.m00 = m00;\n this.m01 = m01;\n this.m02 = m02;\n this.m10 = m10;\n this.m11 = m11;\n this.m12 = m12;\n }\n withScale(s) {\n
let { m00, m01, m02, m10, m11, m12 } = this;\n m00 = s.x;\n m11 = s.y;\n return new
AffineTransform(m00, m01, m02, m10, m11, m12);\n }\n static withScale(s) {\n return new
AffineTransform().withScale(s);\n }\n scaledBy(s) {\n return AffineTransform.withScale(s).times(this);\n }\n getScale() {\n return new Vec2(this.m00, this.m11);\n }\n withTranslation(t) {\n let { m00, m01,
m02, m10, m11, m12 } = this;\n m02 = t.x;\n m12 = t.y;\n return new AffineTransform(m00, m01,
m02, m10, m11, m12);\n }\n static withTranslation(t) {\n return new
AffineTransform().withTranslation(t);\n }\n getTranslation() {\n return new Vec2(this.m02, this.m12);\n }\n translatedBy(t) {\n return AffineTransform.withTranslation(t).times(this);\n }\n static
betweenRects(from, to) {\n return AffineTransform.withTranslation(from.origin.times(-1))\n .scaledBy(new Vec2(to.size.x / from.size.x, to.size.y / from.size.y))\n .translatedBy(to.origin);\n }\n times(other) {\n const m00 = this.m00 * other.m00 + this.m01 * other.m10;\n const m01 = this.m00 *
other.m01 + this.m01 * other.m11;\n const m02 = this.m00 * other.m02 + this.m01 * other.m12 + this.m02;\n const m10 = this.m10 * other.m00 + this.m11 * other.m10;\n const m11 = this.m10 * other.m01 + this.m11 *
other.m11;\n const m12 = this.m10 * other.m02 + this.m11 * other.m12 + this.m12;\n return new

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AffineTransform(m00, m01, m02, m10, m11, m12);\n } equals(other) {\n return (this.m00 == other.m00
&&\n this.m01 == other.m01 &&\n this.m02 == other.m02 &&\n
this.m10 == other.m10 &&\n this.m11 == other.m11 &&\n this.m12 == other.m12);\n }
approxEquals(other, epsilon = 1e-9) {\n return (Math.abs(this.m00 - other.m00) < epsilon &&\n
Math.abs(this.m01 - other.m01) < epsilon &&\n Math.abs(this.m02 - other.m02) < epsilon &&\n
Math.abs(this.m10 - other.m10) < epsilon &&\n Math.abs(this.m11 - other.m11) < epsilon &&\n
Math.abs(this.m12 - other.m12) < epsilon);\n } timesScalar(s) {\n const { m00, m01, m02, m10, m11,
m12 } = this;\n return new AffineTransform(s * m00, s * m01, s * m02, s * m10, s * m11, s * m12);\n }
det() {\n const { m00, m01, m02, m10, m11, m12 } = this;\n const m20 = 0;\n const m21 = 0;\n
const m22 = 1;\n return (m00 * (m11 * m22 - m12 * m21) - m01 * (m10 * m22 - m12 * m20) + m02 * (m10 *
m21 - m11 * m20));\n } adj() {\n const { m00, m01, m02, m10,
m11, m12 } = this;\n const m20 = 0;\n const m21 = 0;\n const m22 = 1;\n // Adjugate matrix (a) is
the transpose of the\n // cofactor matrix (c).\n //\n // 00 01 02\n // 10 11 12\n // 20 21 22\n
const a00 = /* c00 = */ +(m11 * m22 - m12 * m21);\n const a01 = /* c10 = */ -(m01 * m22 - m02 * m21);\n
const a02 = /* c20 = */ +(m01 * m12 - m02 * m11);\n const a10 = /* c01 = */ -(m10 * m22 - m12 * m20);\n
const a11 = /* c11 = */ +(m00 * m22 - m02 * m20);\n const a12 = /* c21 = */ -(m00 * m12 - m02 * m10);\n
return new AffineTransform(a00, a01, a02, a10, a11, a12);\n } inverted() {\n const det = this.det();\n
if (det === 0)\n return null;\n const adj = this.adj();\n return adj.timesScalar(1 / det);\n }
transformVector(v) {\n return new Vec2(v.x * this.m00 + v.y * this.m01, v.x * this.m10 + v.y * this.m11);\n
}\n inverseTransformVector(v)
{\n const inv = this.inverted();\n if (!inv)\n return null;\n return inv.transformVector(v);\n }
transformPosition(v) {\n return new Vec2(v.x * this.m00 + v.y * this.m01 + this.m02, v.x * this.m10 + v.y *
this.m11 + this.m12);\n } inverseTransformPosition(v) {\n const inv = this.inverted();\n if (!inv)\n
return null;\n return inv.transformPosition(v);\n } transformRect(r) {\n const size =
this.transformVector(r.size);\n const origin = this.transformPosition(r.origin);\n if (size.x < 0 && size.y <
0) {\n return new Rect(origin.plus(size), size.abs());\n } else if (size.x < 0) {\n return new
Rect(origin.withX(origin.x + size.x), size.abs());\n } else if (size.y < 0) {\n return new
Rect(origin.withY(origin.y + size.y), size.abs());\n } return new Rect(origin, size);\n }
inverseTransformRect(r) {\n const inv = this.inverted();\n if (!inv)\n return null;\n return
inv.transformRect(r);\n } flatten() {\n // Flatten into GLSL format\n // prettier-ignore\n return [\n
this.m00, this.m10, 0,\n this.m01, this.m11, 0,\n this.m02, this.m12, 1,\n];\n }
}\n\nexports.AffineTransform = AffineTransform;\nlet Rect = /** @class */ ((=> {\n class Rect {\n
constructor(origin, size) {\n this.origin = origin;\n this.size = size;\n } isEmpty() {\n
return this.width() == 0 || this.height() == 0;\n } width() {\n return this.size.x;\n } height() {\n
return this.size.y;\n } left() {\n return this.origin.x;\n } right() {\n
return this.left() + this.width();\n } top() {\n return
this.origin.y;\n } bottom() {\n return this.top() + this.height();\n } topLeft() {\n
return this.origin;\n } topRight() {\n return this.origin.plus(new Vec2(this.width(), 0));\n }
bottomRight() {\n return this.origin.plus(this.size);\n } bottomLeft() {\n return
this.origin.plus(new Vec2(0, this.height()));\n } withOrigin(origin) {\n return new Rect(origin,
this.size);\n } withSize(size) {\n return new Rect(this.origin, size);\n } closestPointTo(p)
{\n return new Vec2(clamp(p.x, this.left(), this.right()), clamp(p.y, this.top(), this.bottom()));\n }
distanceFrom(p) {\n return p.minus(this.closestPointTo(p)).length();\n } contains(p) {\n
return this.distanceFrom(p) === 0;\n } hasIntersectionWith(other) {\n
const top = Math.max(this.top(), other.top());\n const bottom = Math.max(top,
Math.min(this.bottom(), other.bottom()));\n if (bottom - top === 0)\n return false;\n const left
= Math.max(this.left(), other.left());\n const right = Math.max(left, Math.min(this.right(), other.right()));\n
if (right - left === 0)\n return false;\n return true;\n } intersectWith(other) {\n

```



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const topLeft = Vec2.max(this.topLeft(), other.topLeft());\n const bottomRight = Vec2.max(topLeft,
Vec2.min(this.bottomRight(), other.bottomRight()));\n return new Rect(topLeft,
bottomRight.minus(topLeft));\n }\n equals(other) {\n return this.origin.equals(other.origin) &&
this.size.equals(other.size);\n }\n approxEquals(other) {\n return
this.origin.approxEquals(other.origin) && this.size.approxEquals(other.size);\n }\n area() {\n return this.size.x * this.size.y;\n }\n }\n Rect.empty = new Rect(Vec2.zero,
Vec2.zero);\n Rect.unit = new Rect(Vec2.zero, Vec2.unit);\n Rect.NDC = new Rect(new Vec2(-1, -1), new
Vec2(2, 2));\n return Rect;\n})();\nexports.Rect = Rect;\n", "(function(root, factory) {\n 'use strict';\n //
Universal Module Definition (UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.\n\n /* istanbul
ignore next */\n if (typeof define === 'function' && define.amd) {\n define('stackframe', [], factory);\n }
else if (typeof exports === 'object') {\n module.exports = factory();\n } else {\n root.StackFrame =
factory();\n }\n})(this, function() {\n 'use strict';\n function _isNumber(n) {\n return !isNaN(parseFloat(n))
&& isFinite(n);\n }\n\n function _capitalize(str) {\n return str.charAt(0).toUpperCase() + str.substring(1);\n
}\n\n function _getter(p) {\n return
function() {\n return this[p];\n }; \n }\n\n var booleanProps = ['isConstructor', 'isEval', 'isNative',
'isTopLevel'];\n var numericProps = ['columnNumber', 'lineNumber'];\n var stringProps = ['fileName',
'functionName', 'source'];\n var arrayProps = ['args'];\n\n var props = booleanProps.concat(numericProps,
stringProps, arrayProps);\n\n function StackFrame(obj) {\n if (!obj) return;\n for (var i = 0; i <
props.length; i++) {\n if (obj[props[i]] !== undefined) {\n this['set' +
_capitalize(props[i])](obj[props[i]]);\n }\n }\n\n StackFrame.prototype = {\n getArgs:
function() {\n return this.args;\n },\n setArgs: function(v) {\n if
(Object.prototype.toString.call(v) !== '[object Array]') {\n throw new TypeError('Args must be an
Array');\n }\n this.args = v;\n },\n\n getEvalOrigin: function() {\n
return this.evalOrigin;\n },\n setEvalOrigin: function(v) {\n if (v instanceof StackFrame) {\n
this.evalOrigin = v;\n } else if (v instanceof Object) {\n this.evalOrigin = new
StackFrame(v);\n } else {\n throw new TypeError('Eval Origin must be an Object or
StackFrame');\n }\n },\n\n toString: function() {\n var fileName = this.getFileName() || '';\n
var lineNumber = this.getLineNumber() || '';\n var columnNumber = this.getColumnNumber() || '';\n
var functionName = this.getFunctionName() || '';\n if (this.getIsEval()) {\n if (fileName) {\n
return '[eval] (' + fileName + ':' + lineNumber + ':' + columnNumber + ')';\n }\n return '[eval]:' +
lineNumber + ':' + columnNumber;\n }\n if (functionName) {\n return
functionName + ' (' + fileName + ':' + lineNumber + ':' + columnNumber + ')';\n }\n return fileName +
':' + lineNumber + ':' + columnNumber;\n }\n }\n };\n\n StackFrame.fromString = function
StackFrame$$fromString(str) {\n var argsStartIndex = str.indexOf('(');\n var argsEndIndex =
str.lastIndexOf('');\n\n var functionName = str.substring(0, argsStartIndex);\n var args =
str.substring(argsStartIndex + 1, argsEndIndex).split(',');\n var locationString = str.substring(argsEndIndex +
1);\n\n if (locationString.indexOf('@') === 0) {\n var parts =
/@@(.(+)?)(?::(\\d+))?(?::(\\d+))?$/.exec(locationString, '');\n var fileName = parts[1];\n var lineNumber =
parts[2];\n var columnNumber = parts[3];\n }\n\n return new StackFrame({\n functionName:
functionName,\n args: args || undefined,\n fileName: fileName,\n lineNumber:
lineNumber || undefined,\n columnNumber: columnNumber || undefined\n });\n };\n\n for (var i = 0;
i < booleanProps.length; i++) {\n StackFrame.prototype['get' + _capitalize(booleanProps[i])] =
_getter(booleanProps[i]);\n StackFrame.prototype['set' + _capitalize(booleanProps[i])] = (function(p) {\n
return function(v) {\n this[p] = Boolean(v);\n }; \n })(booleanProps[i]);\n }\n\n for (var j = 0;
j < numericProps.length; j++) {\n StackFrame.prototype['get' + _capitalize(numericProps[j])] =
_getter(numericProps[j]);\n StackFrame.prototype['set' + _capitalize(numericProps[j])] = (function(p) {\n
return function(v) {\n if (!_isNumber(v)) {\n throw new TypeError(p + ' must be a Number');\n
}\n this[p] = Number(v);\n }; \n })(numericProps[j]);\n }\n\n for (var k = 0; k <

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stringProps.length; k++)
 {\n StackFrame.prototype['get' + _capitalize(stringProps[k])] = _getter(stringProps[k]);\n
StackFrame.prototype['set' + _capitalize(stringProps[k])] = (function(p) {\n return function(v) {\n
this[p] = String(v);\n };\n })(stringProps[k]);\n }\n\n return StackFrame;\n}));\n"/**\n * Copyright
(c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nexport const
CHROME_WEBSTORE_EXTENSION_ID = 'fmkadmapgofadopljbjfkapdkoienihi';\nexport const
INTERNAL_EXTENSION_ID = 'dnjngbfilfphmojnmhliehogmojhcl';\nexport const LOCAL_EXTENSION_ID =
'ikiahnapldjmdmpkfmhjdjilohgcbf';\n\n// Flip this flag to true to enable verbose console debug logging.\nexport
const __DEBUG__ = false;\n\n// Flip this flag to true to enable performance.mark() and performance.measure()
timings.\nexport const __PERFORMANCE_PROFILE__
= false;\n\nexport const TREE_OPERATION_ADD = 1;\nexport const TREE_OPERATION_REMOVE =
2;\nexport const TREE_OPERATION_REORDER_CHILDREN = 3;\nexport const
TREE_OPERATION_UPDATE_TREE_BASE_DURATION = 4;\nexport const
TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS = 5;\nexport const
TREE_OPERATION_REMOVE_ROOT = 6;\nexport const TREE_OPERATION_SET_SUBTREE_MODE =
7;\n\nexport const PROFILING_FLAG_BASIC_SUPPORT = 0b01;\nexport const
PROFILING_FLAG_TIMELINE_SUPPORT = 0b10;\n\nexport const
LOCAL_STORAGE_DEFAULT_TAB_KEY = 'React::DevTools::defaultTab';\n\nexport const
LOCAL_STORAGE_FILTER_PREFERENCES_KEY =\n 'React::DevTools::componentFilters';\n\nexport const
SESSION_STORAGE_LAST_SELECTION_KEY =\n 'React::DevTools::lastSelection';\n\nexport const
LOCAL_STORAGE_OPEN_IN_EDITOR_URL =\n 'React::DevTools::openInEditorUrl';\n\nexport const
LOCAL_STORAGE_PARSE_HOOK_NAMES_KEY =\n 'React::DevTools::parseHookNames';\n\nexport const
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY =\n
'React::DevTools::recordChangeDescriptions';\n\nexport
const SESSION_STORAGE_RELOAD_AND_PROFILE_KEY =\n
'React::DevTools::reloadAndProfile';\n\nexport const
LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS =\n
'React::DevTools::breakOnConsoleErrors';\n\nexport const
LOCAL_STORAGE_SHOULD_PATCH_CONSOLE_KEY =\n
'React::DevTools::appendComponentStack';\n\nexport const
LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY =\n
'React::DevTools::showInlineWarningsAndErrors';\n\nexport const
LOCAL_STORAGE_TRACE_UPDATES_ENABLED_KEY =\n
'React::DevTools::traceUpdatesEnabled';\n\nexport const
LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE =\n
'React::DevTools::hideConsoleLogsInStrictMode';\n\nexport const PROFILER_EXPORT_VERSION =
5;\n\nexport const CHANGE_LOG_URL =\n 'https://github.com/facebook/react/blob/main/packages/react-
devtools/CHANGELOG.md';\n\nexport const UNSUPPORTED_VERSION_URL =\n
'https://reactjs.org/blog/2019/08/15/new-react-devtools.html#how-do-i-get-the-old-version-back';\n\nexport const
REACT_DEVTOOLS_WORKPLACE_URL
=\n 'https://fburl.com/react-devtools-workplace-group';\n\nimport type {\n Theme,\n DisplayDensity,\n} from
'/devtools/views/Settings/SettingsContext';\n\nexport const THEME_STYLES: {[style: Theme | DisplayDensity]:
any} = {\n light: {\n '--color-attribute-name': '#ef6632',\n '--color-attribute-name-not-editable': '#23272f',\n '--
color-attribute-name-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-attribute-value': '#1a1aa6',\n '--color-
attribute-value-inverted': '#ffffff',\n '--color-attribute-editable-value': '#1a1aa6',\n '--color-background': '#ffffff',\n
 '--color-background-hover': 'rgba(0, 136, 250, 0.1)',\n '--color-background-inactive': '#e5e5e5',\n '--color-
background-invalid': '#fff0f0',\n '--color-background-selected': '#0088fa',\n '--color-button-background':

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'#ffffff',\n '--color-button-background-focus': '#ededed',\n '--color-button': '#5f6673',\n '--color-button-disabled': '#cfd1d5',\n '--color-button-active': '#0088fa',\n '--color-button-focus': '#23272f',\n '--color-button-hover': '#23272f',\n '--color-border': '#eeeeee',\n '--color-commit-did-not-render-fill': '#cfd1d5',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-pattern': '#cfd1d5',\n '--color-commit-did-not-render-pattern-text': '#333333',\n '--color-commit-gradient-0': '#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5': '#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-gradient-9': '#febc38',\n '--color-commit-gradient-text': '#000000',\n '--color-component-name': '#6a51b2',\n '--color-component-name-inverted': '#ffffff',\n '--color-component-badge-background': 'rgba(0, 0, 0, 0.1)',\n '--color-component-badge-background-inverted': 'rgba(255, 255, 255, 0.25)',\n '--color-component-badge-count': '#777d88',\n '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#ffffff',\n '--color-console-error-background': '#fff0f0',\n '--color-console-error-border': '#ffd6d6',\n '--color-console-error-icon': '#eb3941',\n '--color-console-error-text': '#fe2e31',\n '--color-console-warning-badge-text': '#000000',\n '--color-console-warning-background': '#fffbe5',\n '--color-console-warning-border': '#fff5c1',\n '--color-console-warning-icon': '#f4bd00',\n '--color-console-warning-text': '#64460c',\n '--color-context-background': 'rgba(0,0,0,.9)',\n '--color-context-background-hover': 'rgba(255, 255, 255, 0.1)',\n '--color-context-background-selected': '#178fb9',\n '--color-context-border': '#3d424a',\n '--color-context-text': '#ffffff',\n '--color-context-text-selected': '#ffffff',\n '--color-dim': '#777d88',\n '--color-dimmer': '#cfd1d5',\n '--color-dimmest': '#eff0f1',\n '--color-error-background': 'hsl(0, 100%, 97%)',\n '--color-error-border': 'hsl(0, 100%, 92%)',\n '--color-error-text': '#ff0000',\n '--color-expand-collapse-toggle': '#777d88',\n '--color-link': '#0000ff',\n '--color-modal-background': 'rgba(255, 255, 255, 0.75)',\n '--color-bridge-version-npm-background': '#eff0f1',\n '--color-bridge-version-npm-text': '#000000',\n '--color-bridge-version-number': '#0088fa',\n '--color-primitive-hook-badge-background': '#e5e5e5',\n '--color-primitive-hook-badge-text': '#5f6673',\n '--color-record-active': '#fc3a4b',\n '--color-record-hover': '#3578e5',\n '--color-record-inactive': '#0088fa',\n '--color-resize-bar': '#eeeeee',\n '--color-resize-bar-active': '#dcdcdc',\n '--color-resize-bar-border': '#d1d1d1',\n '--color-resize-bar-dot': '#333333',\n '--color-timeline-internal-module': '#d1d1d1',\n '--color-timeline-internal-module-hover': '#c9c9c9',\n '--color-timeline-internal-module-text': '#444',\n '--color-timeline-native-event': '#ccc',\n '--color-timeline-native-event-hover': '#aaa',\n '--color-timeline-network-primary': '#fcf3dc',\n '--color-timeline-network-primary-hover': '#f0e7d1',\n '--color-timeline-network-secondary': '#efc457',\n '--color-timeline-network-secondary-hover': '#e3ba52',\n '--color-timeline-priority-background': '#f6f6f6',\n '--color-timeline-priority-border': '#eeeeee',\n '--color-timeline-user-timing': '#c9c9c9',\n '--color-timeline-user-timing-hover': '#93959a',\n '--color-timeline-react-idle': '#d3e5f6',\n '--color-timeline-react-idle-hover': '#c3d9ef',\n '--color-timeline-react-render': '#9fc3f3',\n '--color-timeline-react-render-hover': '#83afe9',\n '--color-timeline-react-render-text': '#11365e',\n '--color-timeline-react-commit': '#c88ff0',\n '--color-timeline-react-commit-hover': '#b281d6',\n '--color-timeline-react-commit-text': '#3e2c4a',\n '--color-timeline-react-layout-effects': '#b281d6',\n '--color-timeline-react-layout-effects-hover': '#9d71bd',\n '--color-timeline-react-layout-effects-text': '#3e2c4a',\n '--color-timeline-react-passive-effects': '#b281d6',\n '--color-timeline-react-passive-effects-hover': '#9d71bd',\n '--color-timeline-react-passive-effects-text': '#3e2c4a',\n '--color-timeline-react-schedule': '#9fc3f3',\n '--color-timeline-react-schedule-hover': '#2683E2',\n '--color-timeline-react-suspense-rejected': '#f1cc14',\n '--color-timeline-react-suspense-rejected-hover': '#ffd3f7',\n '--color-timeline-react-suspense-resolved': '#a6e59f',\n '--color-timeline-react-suspense-resolved-hover': '#89d281',\n '--color-timeline-react-suspense-unresolved': '#c9c9c9',\n '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n '--color-timeline-thrown-error': '#ee1638',\n '--color-timeline-thrown-error-hover': '#da1030',\n '--color-timeline-text-color': '#000000',\n '--color-timeline-text-dim-color': '#ccc',\n '--color-timeline-react-work-border': '#eeeeee',\n '--color-search-match': 'yellow',\n '--

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color-search-match-current': '#f7923b',\n '--color-selected-tree-highlight-active': 'rgba(0, 136, 250, 0.1)',\n '--
color-selected-tree-highlight-inactive': 'rgba(0, 0, 0, 0.05)',\n '--color-scroll-caret': 'rgba(150, 150, 150, 0.5)',\n '--
color-tab-selected-border': '#0088fa',\n '--color-text': '#000000',\n '--color-text-invalid': '#ff0000',\n '--color-
text-selected': '#ffffff',\n '--color-toggle-background-invalid': '#fc3a4b',\n '--color-toggle-background-on':
'#0088fa',\n '--color-toggle-background-off': '#cfd1d5',\n '--color-toggle-text': '#ffffff',\n '--color-warning-
background': '#fb3655',\n '--color-warning-background-hover': '#f82042',\n '--color-warning-text-color':
'#ffffff',\n
 '--color-warning-text-color-inverted': '#fd4d69',\n\n // The styles below should be kept in sync with 'root.css'\n
// They are repeated there because they're used by e.g. tooltips or context menus\n // which get rendered outside of
the DOM subtree (where normal theme/styles are written).\n '--color-scroll-thumb': '#c2c2c2',\n '--color-scroll-
track': '#fafafa',\n '--color-tooltip-background': 'rgba(0, 0, 0, 0.9)',\n '--color-tooltip-text': '#ffffff',\n },\n dark:
{\n '--color-attribute-name': '#9d87d2',\n '--color-attribute-name-not-editable': '#ededed',\n '--color-attribute-
name-inverted': '#282828',\n '--color-attribute-value': '#cedae0',\n '--color-attribute-value-inverted': '#ffffff',\n '-
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'rgba(255, 255, 255, 0.1)',\n '--color-background-inactive': '#3d424a',\n '--color-background-invalid': '#5c0000',\n
 '--color-background-selected':
'#178fb9',\n '--color-button-background': '#282c34',\n '--color-button-background-focus': '#3d424a',\n '--color-
button': '#afb3b9',\n '--color-button-active': '#61dafb',\n '--color-button-disabled': '#4f5766',\n '--color-button-
focus': '#a2e9fc',\n '--color-button-hover': '#ededed',\n '--color-border': '#3d424a',\n '--color-commit-did-not-
render-fill': '#777d88',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-
pattern': '#666c77',\n '--color-commit-did-not-render-pattern-text': '#ffffff',\n '--color-commit-gradient-0':
'#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-
commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5':
'#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-
gradient-8': '#efbb49',\n '--color-commit-gradient-9':
'#febc38',\n '--color-commit-gradient-text': '#000000',\n '--color-component-name': '#61dafb',\n '--color-
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color-component-badge-background-inverted': 'rgba(0, 0, 0, 0.25)',\n '--color-component-badge-count':
'#8f949d',\n '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-bad-
ge-text': '#000000',\n '--color-console-error-background': '#290000',\n '--color-console-error-border': '#5c0000',\n
 '--color-console-error-icon': '#eb3941',\n '--color-console-error-text': '#fc7f7f',\n '--color-console-warning-bad-
ge-text': '#000000',\n '--color-console-warning-background': '#332b00',\n '--color-console-warning-border':
'#665500',\n '--color-console-warning-icon': '#f4bd00',\n '--color-console-warning-text': '#f5f2ed',\n '--color-
context-background': 'rgba(255,255,255,.95)',\n
 '--color-context-background-hover': 'rgba(0, 136, 250, 0.1)',\n '--color-context-background-selected': '#0088fa',\n
 '--color-context-border': '#eeeeee',\n '--color-context-text': '#000000',\n '--color-context-text-selected': '#ffffff',\n
 '--color-dim': '#8f949d',\n '--color-dimmer': '#777d88',\n '--color-dimmest': '#4f5766',\n '--color-error-
background': '#200',\n '--color-error-border': '#900',\n '--color-error-text': '#f55',\n '--color-expand-collapse-
toggle': '#8f949d',\n '--color-link': '#61dafb',\n '--color-modal-background': 'rgba(0, 0, 0, 0.75)',\n '--color-
bridge-version-npm-background': 'rgba(0, 0, 0, 0.25)',\n '--color-bridge-version-npm-text': '#ffffff',\n '--color-
bridge-version-number': 'yellow',\n '--color-primitive-hook-bad-ge-background': 'rgba(0, 0, 0, 0.25)',\n '--color-
primitive-hook-bad-ge-text': 'rgba(255, 255, 255, 0.7)',\n '--color-record-active': '#fc3a4b',\n '--color-record-
hover': '#a2e9fc',\n
 '--color-record-inactive': '#61dafb',\n '--color-resize-bar': '#282c34',\n '--color-resize-bar-active': '#31363f',\n
 '--color-resize-bar-border': '#3d424a',\n '--color-resize-bar-dot': '#cfd1d5',\n '--color-timeline-internal-module':
'#303542',\n '--color-timeline-internal-module-hover': '#363b4a',\n '--color-timeline-internal-module-text':
'#7f8899',\n '--color-timeline-native-event': '#b2b2b2',\n '--color-timeline-native-event-hover': '#949494',\n '--
color-timeline-network-primary': '#fc3dc',\n '--color-timeline-network-primary-hover': '#e3dbc5',\n '--color-

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timeline-network-secondary: '#efc457',\n '--color-timeline-network-secondary-hover': '#d6af4d',\n '--color-timeline-priority-background': '#1d2129',\n '--color-timeline-priority-border': '#282c34',\n '--color-timeline-user-timing': '#c9cacd',\n '--color-timeline-user-timing-hover': '#93959a',\n '--color-timeline-react-idle': '#3d485b',\n '--color-timeline-react-idle-hover': '#465269',\n '--color-timeline-react-render': '#2683E2',\n '--color-timeline-react-render-hover': '#1a76d4',\n '--color-timeline-react-render-text': '#11365e',\n '--color-timeline-react-commit': '#731fad',\n '--color-timeline-react-commit-hover': '#611b94',\n '--color-timeline-react-commit-text': '#e5c1ff',\n '--color-timeline-react-layout-effects': '#611b94',\n '--color-timeline-react-layout-effects-hover': '#51167a',\n '--color-timeline-react-layout-effects-text': '#e5c1ff',\n '--color-timeline-react-passive-effects': '#611b94',\n '--color-timeline-react-passive-effects-hover': '#51167a',\n '--color-timeline-react-passive-effects-text': '#e5c1ff',\n '--color-timeline-react-schedule': '#2683E2',\n '--color-timeline-react-schedule-hover': '#1a76d4',\n '--color-timeline-react-suspense-rejected': '#f1cc14',\n '--color-timeline-react-suspense-rejected-hover': '#e4c00f',\n '--color-timeline-react-suspense-resolved': '#a6e59f',\n '--color-timeline-react-suspense-resolved-hover': '#89d281',\n '--color-timeline-react-suspense-unresolved': '#c9cacd',\n '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n '--color-timeline-thrown-error': '#fb3655',\n '--color-timeline-thrown-error-hover': '#f82042',\n '--color-timeline-text-color': '#282c34',\n '--color-timeline-text-dim-color': '#555b66',\n '--color-timeline-react-work-border': '#3d424a',\n '--color-search-match': 'yellow',\n '--color-search-match-current': '#f7923b',\n '--color-selected-tree-highlight-active': 'rgba(23, 143, 185, 0.15)',\n '--color-selected-tree-highlight-inactive': 'rgba(255, 255, 255, 0.05)',\n '--color-scroll-caret': '#4f5766',\n '--color-shadow': 'rgba(0, 0, 0, 0.5)',\n '--color-tab-selected-border': '#178fb9',\n '--color-text': 'ffffff',\n '--color-text-invalid': '#ff8080',\n '--color-text-selected': 'ffffff',\n '--color-toggle-background-invalid': '#fc3a4b',\n '--color-toggle-background-on': '#178fb9',\n '--color-toggle-background-off': '#777d88',\n '--color-toggle-text': 'ffffff',\n '--color-warning-background': '#ee1638',\n '--color-warning-background-hover': '#da1030',\n '--color-warning-text-color': 'ffffff',\n '--color-warning-text-color-inverted': '#ee1638',\n // The styles below should be kept in sync with root.css\n // They are repeated there because they're used by e.g. tooltips or context menus\n // which get rendered outside of the DOM subtree (where normal theme/styles are written).\n '--color-scroll-thumb': '#afb3b9',\n '--color-scroll-track': '#313640',\n '--color-tooltip-background': 'rgba(255, 255, 255, 0.95)',\n '--color-tooltip-text': '#000000',\n },\n compact: {\n '--font-size-monospace-small': '9px',\n '--font-size-monospace-normal': '11px',\n '--font-size-monospace-large': '15px',\n '--font-size-sans-small': '10px',\n '--font-size-sans-normal': '12px',\n '--font-size-sans-large': '14px',\n '--font-size-monospace-small': '10px',\n '--font-size-monospace-normal': '13px',\n '--font-size-monospace-large': '17px',\n '--font-size-sans-small': '12px',\n '--font-size-sans-normal': '14px',\n '--font-size-sans-large': '16px',\n '--line-height-data': '22px',\n },\n },\n // HACK\n // Sometimes the inline target is rendered before root styles are applied,\n // which would result in e.g. NaN itemSize being passed to react-window list.\n const COMFORTABLE_LINE_HEIGHT = parseInt(\n THEME_STYLES.comfortable['--line-height-data'],\n 10,\n),\n const COMPACT_LINE_HEIGHT = parseInt(\n THEME_STYLES.compact['--line-height-data'],\n 10,\n),\n export {COMFORTABLE_LINE_HEIGHT, COMPACT_LINE_HEIGHT};\n /**\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n /**\n * An error thrown when an invalid profile could not be processed.\n */\n export default class InvalidProfileError extends Error {\n constructor(areInputsEqual(newInputs, lastInputs)) {\n if (newInputs.length !== lastInputs.length) {\n return false;\n }\n for (var i = 0; i < newInputs.length; i++) {\n if (newInputs[i] !== lastInputs[i]) {\n return false;\n }\n }\n return true;\n }\n\n memoizeOne(resultFn, isEqual) {\n if (isEqual === void 0) {\n isEqual = areInputsEqual;\n }\n var lastThis;\n var lastArgs = [];\n var lastResult;\n var calledOnce = false;\n function memoized() {\n var newArgs = [];\n for (var _i = 0; _i < arguments.length; _i++) {\n newArgs[_i] = arguments[_i];\n }\n if (calledOnce && lastThis === this && isEqual(newArgs, lastArgs)) {\n return lastResult;\n }\n lastResult =

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resultFn.apply(this, newArgs);\n calledOnce
= true;\n lastThis = this;\n lastArgs = newArgs;\n return lastResult;\n }\n return
memoized;\n}\n\nexport default memoizeOne;\n", "/*\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport memoize from 'memoize-one';\n\nimport type {\n BatchUID,\n Milliseconds,\n ReactMeasure,\n TimelineData,\n} from '../types';\n\nfunction unmemoizedGetBatchRange(\n batchUID:
BatchUID,\n data: TimelineData,\n minStartTime?: number = 0,\n): [Milliseconds, Milliseconds] {\n const
measures = data.batchUIDToMeasuresMap.get(batchUID);\n if (measures == null || measures.length === 0) {\n
throw Error(`Could not find measures with batch UID "${batchUID}"`);\n }\n const lastMeasure =
((measures[measures.length - 1]: any): ReactMeasure);\n const stopTime = lastMeasure.timestamp +
lastMeasure.duration;\n\n if (stopTime < minStartTime) {\n return [0, 0];\n }\n\n let startTime = minStartTime;\n for (let index = 0; index
< measures.length; index++) {\n const measure = measures[index];\n if (measure.timestamp >= minStartTime)
{\n startTime = measure.timestamp;\n break;\n }\n }\n\n return [startTime, stopTime];\n}\n\nexport const
getBatchRange = memoize(unmemoizedGetBatchRange);\n", "/*\n * Copyright (c) Facebook, Inc. and its
affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n *\n * @flow\n */\n\nimport {\n importFromChromeTimeline,\n Flamechart as
SpeedscopeFlamechart,\n} from '@elg/speedscope';\nimport type {TimelineEvent} from
'@elg/speedscope';\nimport type {\n ErrorStackFrame,\n BatchUID,\n Flamechart,\n Milliseconds,\n NativeEvent,\n NetworkMeasure,\n Phase,\n ReactLane,\n ReactComponentMeasure,\n ReactComponentMeasureType,\n ReactMeasure,\n ReactMeasureType,\n TimelineData,\n SchedulingEvent,\n SuspenseEvent,\n} from '../types';\nimport {\n REACT_TOTAL_NUM_LANES,\n SCHEDULING_PROFILER_VERSION,\n SNAPSHOT_MAX_HEIGHT,\n} from '../constants';\nimport InvalidProfileError from
'./InvalidProfileError';\nimport {getBatchRange} from '../utils/getBatchRange';\nimport ErrorStackParser from
'error-stack-parser';\n\ntype MeasureStackElement = {\n type: ReactMeasureType,\n depth: number,\n measure:
ReactMeasure,\n startTime: Milliseconds,\n stopTime?: Milliseconds,\n};\n\ntype ProcessorState = {\n asyncProcessingPromises: Promise<any>[],\n batchUID: BatchUID,\n currentReactComponentMeasure:
ReactComponentMeasure | null,\n internalModuleCurrentStackFrame: ErrorStackFrame | null,\n internalModuleStackStringSet: Set<string>,\n measureStack: MeasureStackElement[],\n nativeEventStack:
NativeEvent[],\n nextRenderShouldGenerateNewBatchID: boolean,\n potentialLongEvents: Array<[NativeEvent,
BatchUID]>,\n potentialLongNestedUpdate:
SchedulingEvent | null,\n potentialLongNestedUpdates: Array<[SchedulingEvent, BatchUID]>,\n potentialSuspenseEventsOutsideOfTransition: Array<\n [SuspenseEvent, ReactLane[]],\n >,\n requestIdToNetworkMeasureMap: Map<string, NetworkMeasure>,\n uidCounter: BatchUID,\n unresolvedSuspenseEvents: Map<string, SuspenseEvent>,\n};\n\nconst
NATIVE_EVENT_DURATION_THRESHOLD = 20;\nconst NESTED_UPDATE_DURATION_THRESHOLD =
20;\nconst WARNING_STRINGS = {\n LONG_EVENT_HANDLER: '\n An event handler scheduled a big
update with React. Consider using the Transition API to defer some of this work.',\n NESTED_UPDATE: '\n A
big nested update was scheduled during layout. ' +\n 'Nested updates require React to re-render synchronously
before the browser can paint. ' +\n 'Consider delaying this update by moving it to a passive effect (useEffect).',\n SUSPEND_DURING_UPDATE: '\n A component suspended during an update which caused a fallback to be
shown. ' +\n 'Consider using
the Transition API to avoid hiding components after they've been mounted.',\n};\n\n// Exported for tests\nexport
function getLanesFromTransportDecimalBitmask(\n laneBitmaskString: string,\n): ReactLane[] {\n const
laneBitmask = parseInt(laneBitmaskString, 10);\n\n // As negative numbers are stored in two's complement format,
our bitmask\n // checks will be thrown off by them.\n if (laneBitmask < 0) {\n return [];\n }\n\n const lanes =
[];\n let powersOfTwo = 0;\n while (powersOfTwo <= REACT_TOTAL_NUM_LANES) {\n if ((1 <<

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powersOfTwo) & laneBitmask) {\n lanes.push(powersOfTwo);\n } \n powersOfTwo++;\n }\n return
lanes;\n}\n\nfunction updateLaneToLabelMap(\n profilerData: TimelineData,\n laneLabelTuplesString: string,\n):
void {\n // These marks appear multiple times in the data;\n // We only need to extract them once.\n if
(profilerData.laneToLabelMap.size === 0) {\n const laneLabelTuples = laneLabelTuplesString.split(',');\n for
(let laneIndex = 0;
 laneIndex < laneLabelTuples.length; laneIndex++) {\n // The numeric lane value (e.g. 64) isn't important.\n //
The profiler parses and stores the lane's position within the bitmap,\n // (e.g. lane 1 is index 0, lane 16 is index
4).\n profilerData.laneToLabelMap.set(laneIndex, laneLabelTuples[laneIndex]);\n }\n }\n\nlet
profilerVersion = null;\n\nfunction getLastType(stack: $PropertyType<ProcessorState, 'measureStack'>) {\n if
(stack.length > 0) {\n const {type} = stack[stack.length - 1];\n return type;\n }\n return null;\n }\n\nfunction
getDepth(stack: $PropertyType<ProcessorState, 'measureStack'>) {\n if (stack.length > 0) {\n const {depth, type}
= stack[stack.length - 1];\n return type === 'render-idle' ? depth : depth + 1;\n }\n return 0;\n }\n\nfunction
markWorkStarted(\n type: ReactMeasureType,\n startTime: Milliseconds,\n lanes: ReactLane[],\n
currentProfilerData: TimelineData,\n state: ProcessorState,\n) {\n const {batchUID, measureStack}
= state;\n const depth = getDepth(measureStack);\n\n const measure: ReactMeasure = {\n type,\n batchUID,\n
depth,\n lanes,\n timestamp: startTime,\n duration: 0,\n }; \n\n state.measureStack.push({depth, measure,
startTime, type});\n\n // This array is pre-initialized when the batchUID is generated.\n const measures =
currentProfilerData.batchUIDToMeasuresMap.get(batchUID);\n if (measures != null) {\n
measures.push(measure);\n } else {\n currentProfilerData.batchUIDToMeasuresMap.set(state.batchUID,
[measure]);\n }\n\n // This array is pre-initialized before processing starts.\n lanes.forEach(lane => {\n
((currentProfilerData.laneToReactMeasureMap.get(\n lane,\n): any): ReactMeasure[]).push(measure);\n
});\n }\n\nfunction markWorkCompleted(\n type: ReactMeasureType,\n stopTime: Milliseconds,\n
currentProfilerData: TimelineData,\n stack: $PropertyType<ProcessorState, 'measureStack'>,\n) {\n if (stack.length
=== 0) {\n console.error(\n
 'Unexpected type "%s" completed at %sms while stack is empty.',\n type,\n stopTime,\n);\n // Ignore
work "completion" user timing mark that doesn't complete anything\n return;\n }\n\n const last =
stack[stack.length - 1];\n if (last.type !== type) {\n console.error(\n 'Unexpected type "%s" completed at
%sms before "%s" completed.',\n type,\n stopTime,\n last.type,\n);\n }\n\n const {measure, startTime}
= stack.pop();\n if (!measure) {\n console.error('Could not find matching measure for type "%s"', type);\n }\n\n
// $FlowFixMe This property should not be writable outside of this function.\n measure.duration = stopTime -
startTime;\n }\n\nfunction throwIfIncomplete(\n type: ReactMeasureType,\n stack: $PropertyType<ProcessorState,
'measureStack'>,\n) {\n const lastIndex = stack.length - 1;\n if (lastIndex >= 0) {\n const last = stack[lastIndex];\n
if (last.stopTime === undefined && last.type ===
type) {\n throw new InvalidProfileError(\n `Unexpected type "${type}" started before "${last.type}"
completed.`,\n);\n }\n }\n }\n\nfunction processEventDispatch(\n event: TimelineEvent,\n timestamp:
Milliseconds,\n profilerData: TimelineData,\n state: ProcessorState,\n) {\n const data = event.args.data;\n const
type = data.type;\n\n if (type.startsWith('react-')) {\n const stackTrace = data.stackTrace;\n if (stackTrace) {\n
const topFrame = stackTrace[stackTrace.length - 1];\n if (topFrame.url.includes('/react-dom.')) {\n // Filter
out fake React events dispatched by invokeGuardedCallbackDev.\n return;\n }\n }\n }\n\n // Reduce noise
from events like DOMActivate, load/unload, etc. which are usually not relevant\n if (\n type === 'blur' ||\n type
=== 'click' ||\n type === 'input' ||\n type.startsWith('focus') ||\n type.startsWith('key') ||\n
type.startsWith('mouse') ||\n type.startsWith('pointer')\n) {\n const duration = event.dur / 1000;\n\n let depth = 0;\n\n while (state.nativeEventStack.length > 0) {\n
const prevNativeEvent =\n state.nativeEventStack[state.nativeEventStack.length - 1];\n const prevStopTime
= prevNativeEvent.timestamp + prevNativeEvent.duration;\n\n if (timestamp < prevStopTime) {\n depth =
prevNativeEvent.depth + 1;\n break;\n } else {\n state.nativeEventStack.pop();\n }\n }\n\n const
nativeEvent = {\n depth,\n duration,\n timestamp,\n type,\n warning: null,\n }; \n\n
profilerData.nativeEvents.push(nativeEvent);\n\n // Keep track of current event in case future ones overlap.\n //

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We separate them into different vertical lanes in this case.\n state.nativeEventStack.push(nativeEvent);\n}\n}\n\nfunction processResourceFinish(\n event: TimelineEvent,\n timestamp: Milliseconds,\n profilerData: TimelineData,\n state: ProcessorState,\n) {\n const\n requestId = event.args.data.requestId;\n const networkMeasure =\n state.requestIdToNetworkMeasureMap.get(requestId);\n if (networkMeasure !== null) {\n networkMeasure.finishTimestamp = timestamp;\n if (networkMeasure.firstReceivedDataTimestamp === 0) {\n networkMeasure.firstReceivedDataTimestamp = timestamp;\n }\n if\n (networkMeasure.lastReceivedDataTimestamp === 0) {\n networkMeasure.lastReceivedDataTimestamp =\n timestamp;\n }\n // Clean up now that the resource is done.\n state.requestIdToNetworkMeasureMap.delete(event.args.data.requestId);\n }\n}\n\nfunction\n processResourceReceivedData(\n event: TimelineEvent,\n timestamp: Milliseconds,\n profilerData: TimelineData,\n state: ProcessorState,\n) {\n const requestId = event.args.data.requestId;\n const networkMeasure\n = state.requestIdToNetworkMeasureMap.get(requestId);\n if (networkMeasure !== null) {\n if\n (networkMeasure.firstReceivedDataTimestamp === 0) {\n networkMeasure.firstReceivedDataTimestamp\n = timestamp;\n }\n networkMeasure.lastReceivedDataTimestamp = timestamp;\n networkMeasure.finishTimestamp = timestamp;\n }\n }\n\n function processResourceReceiveResponse(\n event: TimelineEvent,\n timestamp: Milliseconds,\n profilerData: TimelineData,\n state: ProcessorState,\n) {\n const\n requestId = event.args.data.requestId;\n const networkMeasure =\n state.requestIdToNetworkMeasureMap.get(requestId);\n if (networkMeasure !== null) {\n networkMeasure.receiveResponseTimestamp = timestamp;\n }\n }\n\n function processScreenshot(\n event: TimelineEvent,\n timestamp: Milliseconds,\n profilerData: TimelineData,\n state: ProcessorState,\n) {\n const\n encodedSnapshot = event.args.snapshot; // Base 64 encoded\n const snapshot = {\n height: 0,\n image: null,\n imageSource: `data:image/png;base64,${encodedSnapshot}`, \n timestamp,\n width: 0,\n };\n // Delay\n processing until we've extracted snapshot dimensions.\n let resolveFn = ((null: any):\n Function);\n state.asyncProcessingPromises.push(\n new Promise(resolve => {\n resolveFn = resolve;\n }),\n);\n // Parse the Base64 image data to determine native size.\n // This will be used later to scale for display\n within the thumbnail strip.\n fetch(snapshot.imageSource)\n .then(response => response.blob())\n .then(blob => {\n // $FlowFixMe createImageBitmap\n createImageBitmap(blob).then(bitmap => {\n snapshot.height =\n bitmap.height;\n snapshot.width = bitmap.width;\n resolveFn();\n });\n });\n profilerData.snapshots.push(snapshot);\n }\n\n function processResourceSendRequest(\n event: TimelineEvent,\n timestamp: Milliseconds,\n profilerData: TimelineData,\n state: ProcessorState,\n) {\n const data =\n event.args.data;\n const requestId = data.requestId;\n const availableDepths = new Array(\n state.requestIdToNetworkMeasureMap.size + 1,\n).fill(true);\n state.requestIdToNetworkMeasureMap.forEach(({depth})\n => {\n availableDepths[depth] = false;\n });\n let depth = 0;\n for (let i = 0; i < availableDepths.length; i++)\n {\n if (availableDepths[i]) {\n depth = i;\n break;\n }\n }\n const networkMeasure: NetworkMeasure =\n {\n depth,\n finishTimestamp: 0,\n firstReceivedDataTimestamp: 0,\n lastReceivedDataTimestamp: 0,\n requestId,\n requestMethod: data.requestMethod,\n priority: data.priority,\n sendRequestTimestamp:\n timestamp,\n receiveResponseTimestamp: 0,\n url: data.url,\n };\n state.requestIdToNetworkMeasureMap.set(requestId, networkMeasure);\n profilerData.networkMeasures.push(networkMeasure);\n networkMeasure.sendRequestTimestamp =\n timestamp;\n }\n\n function processTimelineEvent(\n event: TimelineEvent,\n /** Finalized profiler data up to\n `event`. May be mutated. */\n currentProfilerData: TimelineData,\n /** Intermediate processor state. May be\n mutated. */\n state: ProcessorState,\n) {\n const {cat, name, ts,\n ph} = event;\n const startTime = (ts - currentProfilerData.startTime) / 1000;\n switch (cat) {\n case 'disabled-\n by-default-devtools.screenshot':\n processScreenshot(event, startTime, currentProfilerData, state);\n break;\n case 'devtools.timeline':\n switch (name) {\n case 'EventDispatch':\n processEventDispatch(event,\n startTime, currentProfilerData, state);\n break;\n case 'ResourceFinish':\n

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processResourceFinish(event, startTime, currentProfilerData, state);\n break;\n case
'ResourceReceivedData':\n processResourceReceivedData(\n event,\n startTime,\n currentProfilerData,\n state,\n);\n break;\n case 'ResourceReceiveResponse':\n processResourceReceiveResponse(\n event,\n startTime,\n currentProfilerData,\n state,\n);\n break;\n case 'ResourceSendRequest':\n processResourceSendRequest(\n event,\n startTime,\n currentProfilerData,\n state,\n);\n break;\n }\n break;\n case 'blink.user_timing':\n if (name.startsWith('--react-
version-')) {\n const [reactVersion] = name.substr(16).split('-');\n currentProfilerData.reactVersion =
reactVersion;\n } else if (name.startsWith('--profiler-version-')) {\n const [versionString] =
name.substr(19).split('-');\n profilerVersion = parseInt(versionString, 10);\n if (profilerVersion !==
SCHEDULING_PROFILER_VERSION) {\n throw new InvalidProfileError(\n `This version of
profiling data (${versionString}) is not supported by the current profiler.`,\n);\n }\n } else if
(name.startsWith('--react-lane-labels-')) {\n const [laneLabelTuplesString] = name.substr(20).split('-');\n updateLaneToLabelMap(currentProfilerData, laneLabelTuplesString);\n } else if (name.startsWith('--component-')) {\n processReactComponentMeasure(\n name,\n startTime,\n currentProfilerData,\n state,\n);\n } else if (name.startsWith('--schedule-render-'))
{\n const [laneBitmaskString] = name.substr(18).split('-');\n currentProfilerData.schedulingEvents.push({\n type: 'schedule-render',\n lanes:
getLanesFromTransportDecimalBitmask(laneBitmaskString),\n timestamp: startTime,\n warning: null,\n });\n } else if (name.startsWith('--schedule-forced-update-')) {\n const [laneBitmaskString,
componentName] = name.substr(25).split('-');\n const forceUpdateEvent = {\n type: 'schedule-force-
update',\n lanes: getLanesFromTransportDecimalBitmask(laneBitmaskString),\n componentName,\n timestamp: startTime,\n warning: null,\n };
 // If this is a
 nested update, make a note of it.
 // Once we're done processing events, we'll check to see if it was a long
 update and warn about it.
 if (state.measureStack.find(({type}) => type === 'commit')) {\n state.potentialLongNestedUpdate = forceUpdateEvent;\n }\n currentProfilerData.schedulingEvents.push(forceUpdateEvent);\n } else if (name.startsWith('--schedule-state-
update-')) {\n const [laneBitmaskString, componentName] = name.substr(24).split('-');\n const
stateUpdateEvent = {\n type: 'schedule-state-update',\n lanes:
getLanesFromTransportDecimalBitmask(laneBitmaskString),\n componentName,\n timestamp:
startTime,\n warning: null,\n };
 // If this is a nested update, make a note of it.
 // Once we're
 done processing events, we'll check to see if it was a long update and warn about it.
 if
(state.measureStack.find(({type}) => type === 'commit')) {\n state.potentialLongNestedUpdate = stateUpdateEvent;\n }\n currentProfilerData.schedulingEvents.push(stateUpdateEvent);\n } else if (name.startsWith('--error-')) {\n const [componentName, phase, message] = name.substr(8).split('-');\n currentProfilerData.thrownErrors.push({\n componentName,\n message,\n phase: ((phase: any):
Phase),\n timestamp: startTime,\n type: 'thrown-error',\n });\n } else if (name.startsWith('--
suspense-suspend-')) {\n const [\n id,\n componentName,\n phase,\n laneBitmaskString,\n promiseName,\n] = name.substr(19).split('-');\n const lanes =
getLanesFromTransportDecimalBitmask(laneBitmaskString);\n const availableDepths = new Array(\n state.unresolvedSuspenseEvents.size + 1,\n).fill(true);\n state.unresolvedSuspenseEvents.forEach(({depth}) => {\n availableDepths[depth]
= false;\n });\n let depth = 0;\n for (let i = 0; i < availableDepths.length; i++) {\n if
(availableDepths[i]) {\n depth = i;\n break;\n }\n }\n // TODO (timeline) Maybe we
 should calculate depth in post,\n // so unresolved Suspense requests don't take up space.
 // We can't know
 if they'll be resolved or not at this point.
 // We'll just give them a default (fake) duration width.
 const
suspenseEvent = {\n componentName,\n depth,\n duration: null,\n id,\n phase: ((phase:

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any): Phase);\n promiseName: promiseName || null,\n resolution: 'unresolved',\n timestamp: start\n time,\n type: 'suspense',\n warning: null,\n };\n if (phase === 'update') {\n // If a component suspended during an update, we should verify that it was during a transition.\n // We need the lane metadata to verify this though.\n // Since that data is only logged during commit, we may not have it yet.\n // Store these events for post-processing then.\n state.potentialSuspenseEventsOutsideOfTransition.push([\n suspenseEvent,\n lanes,\n]);\n }\n currentProfilerData.suspenseEvents.push(suspenseEvent);\n state.unresolvedSuspenseEvents.set(id, suspenseEvent);\n } else if (name.startsWith('--suspense-resolved-')) {\n const [id] = name.substr(20).split('-');\n const suspenseEvent = state.unresolvedSuspenseEvents.get(id);\n if (suspenseEvent !== null) {\n state.unresolvedSuspenseEvents.delete(id);\n suspenseEvent.duration = startTime - suspenseEvent.timestamp;\n suspenseEvent.resolution = 'resolved';\n }\n } else if (name.startsWith('--suspense-rejected-')) {\n const [id] = name.substr(20).split('-');\n const suspenseEvent = state.unresolvedSuspenseEvents.get(id);\n if (suspenseEvent !== null) {\n state.unresolvedSuspenseEvents.delete(id);\n suspenseEvent.duration = startTime - suspenseEvent.timestamp;\n suspenseEvent.resolution = 'rejected';\n }\n } else if (name.startsWith('--render-start-')) {\n if (state.nextRenderShouldGenerateNewBatchID) {\n state.nextRenderShouldGenerateNewBatchID = false;\n state.batchUID = ((state.uidCounter++): BatchUID);\n }\n // If this render is the result of a nested update, make a note of it.\n // Once we're done processing events, we'll check to see if it was a long update and warn about it.\n if (state.potentialLongNestedUpdate !== null) {\n state.potentialLongNestedUpdates.push([\n state.potentialLongNestedUpdate,\n state.batchUID,\n]);\n state.potentialLongNestedUpdate = null;\n }\n const [laneBitmaskString] = name.substr(15).split('-');\n throwIfIncomplete('render', state.measureStack);\n if (getLastType(state.measureStack) !== 'render-idle') {\n markWorkStarted(\n 'render-idle',\n startTime,\n getLanesFromTransportDecimalBitmask(laneBitmaskString),\n currentProfilerData,\n state,\n);\n }\n markWorkStarted(\n 'render',\n startTime,\n getLanesFromTransportDecimalBitmask(laneBitmaskString),\n currentProfilerData,\n state,\n);\n for (let i = 0; i < state.nativeEventStack.length; i++) {\n const nativeEvent = state.nativeEventStack[i];\n const stopTime = nativeEvent.timestamp + nativeEvent.duration;\n // If React work was scheduled during an event handler, and the event had a long duration,\n // it might be because the React render was long and stretched the event.\n // It might also be that the React work was short and that something else stretched the event.\n // Make a note of this event for now and we'll examine the batch of React render work later.\n // (We can't know until we're done processing the React update anyway.)\n if (stopTime > startTime) {\n state.potentialLongEvents.push([nativeEvent, state.batchUID]);\n }\n }\n } else if (name.startsWith('--render-stop') || name.startsWith('--render-yield')) {\n markWorkCompleted(\n 'render',\n startTime,\n currentProfilerData,\n state.measureStack,\n);\n } else if (name.startsWith('--commit-start-')) {\n state.nextRenderShouldGenerateNewBatchID = true;\n const [laneBitmaskString] = name.substr(15).split('-');\n markWorkStarted(\n 'commit',\n startTime,\n getLanesFromTransportDecimalBitmask(laneBitmaskString),\n currentProfilerData,\n state,\n);\n } else if (name.startsWith('--commit-stop')) {\n markWorkCompleted(\n 'commit',\n startTime,\n currentProfilerData,\n state.measureStack,\n);\n markWorkCompleted(\n 'render-idle',\n startTime,\n currentProfilerData,\n state.measureStack,\n);\n } else if (name.startsWith('--layout-effects-start-')) {\n const [laneBitmaskString] = name.substr(23).split('-');\n markWorkStarted(\n 'layout-effects',\n startTime,\n getLanesFromTransportDecimalBitmask(laneBitmaskString),\n currentProfilerData,\n state,\n);\n } else if (name.startsWith('--layout-effects-stop')) {\n markWorkCompleted(\n 'layout-effects',\n startTime,\n currentProfilerData,\n state.measureStack,\n);\n } else if

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(name.startsWith('--passive-effects-start-'))
{\n const [laneBitmaskString] = name.substr(24).split('-');\n markWorkStarted(\n 'passive-effects',\n startTime,\n getLanesFromTransportDecimalBitmask(laneBitmaskString),\n currentProfilerData,\n state,\n);\n } else if (name.startsWith('--passive-effects-stop')) {\n markWorkCompleted(\n 'passive-effects',\n startTime,\n currentProfilerData,\n state.measureStack,\n);\n } else if (name.startsWith('--react-internal-module-start-')) {\n const stackFrameStart = name.substr(30);\n if (!state.internalModuleStackStringSet.has(stackFrameStart)) {\n state.internalModuleStackStringSet.add(stackFrameStart);\n const parsedStackFrameStart = parseStackFrame(stackFrameStart);\n state.internalModuleCurrentStackFrame = parsedStackFrameStart;\n }\n } else if (name.startsWith('--react-internal-module-stop-')) {\n const stackFrameStop = name.substr(29);\n if (!state.internalModuleStackStringSet.has(stackFrameStop)) {\n state.internalModuleStackStringSet.add(stackFrameStop);\n const parsedStackFrameStop = parseStackFrame(stackFrameStop);\n if (\n parsedStackFrameStop !== null &&\n state.internalModuleCurrentStackFrame !== null\n) {\n const parsedStackFrameStart = state.internalModuleCurrentStackFrame;\n state.internalModuleCurrentStackFrame = null;\n const range = [parsedStackFrameStart, parsedStackFrameStop];\n const ranges = currentProfilerData.internalModuleSourceToRanges.get(\n parsedStackFrameStart.fileName,\n);\n if (ranges === null) {\n currentProfilerData.internalModuleSourceToRanges.set(\n parsedStackFrameStart.fileName,\n [range],\n);\n } else {\n ranges.push(range);\n }\n } else if (ph === 'R' || ph === 'n') {\n // User Timing mark\n currentProfilerData.otherUserTimingMarks.push({\n name,\n timestamp: startTime,\n });\n } else if (ph === 'b') {\n // TODO: Begin user timing measure\n } else if (ph === 'e') {\n // TODO: End user timing measure\n } else if (ph === 'i' || ph === 'T') {\n // Instant events.\n // Note that the capital 'T' is a deprecated value that exists in Chrome Canary traces.\n } else {\n throw new InvalidProfileError(\n `Unrecognized event ${JSON.stringify(event)}! This is likely a bug in this profiler tool.`,\n);\n }\n break;\n }\n }\n}\n\nfunction assertNoOverlappingComponentMeasure(state: ProcessorState) {\n if (state.currentReactComponentMeasure !== null) {\n console.error(\n 'Component measure started while another measure in progress:',\n state.currentReactComponentMeasure,\n);\n }\n}\n\nfunction assertCurrentComponentMeasureType(\n state: ProcessorState,\n type: ReactComponentMeasureType,\n): void {\n if (state.currentReactComponentMeasure === null) {\n console.error(\n `Component measure type "${type}" stopped while no measure was in progress`,\n);\n } else if (state.currentReactComponentMeasure.type !== type) {\n console.error(\n `Component measure type "${type}" stopped while type ${state.currentReactComponentMeasure.type} in progress`,\n);\n }\n}\n\nfunction processReactComponentMeasure(\n name: string,\n startTime: Milliseconds,\n currentProfilerData: TimelineData,\n state: ProcessorState,\n): void {\n if (name.startsWith('--component-render-start-')) {\n const [componentName] = name.substr(25).split('-');\n assertNoOverlappingComponentMeasure(state);\n state.currentReactComponentMeasure = {\n componentName,\n timestamp: startTime,\n duration: 0,\n type: 'render',\n warning: null,\n }; \n } else if (name === '--component-render-stop') {\n assertCurrentComponentMeasureType(state, 'render');\n if (state.currentReactComponentMeasure !== null) {\n const componentMeasure = state.currentReactComponentMeasure;\n componentMeasure.duration = startTime - componentMeasure.timestamp;\n state.currentReactComponentMeasure = null;\n currentProfilerData.componentMeasures.push(componentMeasure);\n }\n } else if (name.startsWith('--component-layout-effect-mount-start-')) {\n const [componentName] = name.substr(38).split('-');\n assertNoOverlappingComponentMeasure(state);\n state.currentReactComponentMeasure = {\n componentName,\n timestamp: startTime,\n duration: 0,\n type: 'layout-effect-mount',\n warning: null,\n }; \n } else if (name === '--component-layout-effect-mount-stop') {\n

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laneToReactMeasureMap = new Map();\n for (let lane: ReactLane = 0; lane < REACT_TOTAL_NUM_LANES;\n
lane++) {\n laneToReactMeasureMap.set(lane, []);\n }\n\n const profilerData: TimelineData = {\n
batchUIDToMeasuresMap: new Map(),\n componentMeasures: [],\n duration: 0,\n flamechart,\n
internalModuleSourceToRanges: new Map(),\n laneToLabelMap: new Map(),\n laneToReactMeasureMap,\n
nativeEvents: [],\n networkMeasures: [],\n otherUserTimingMarks: [],\n reactVersion: null,\n
schedulingEvents: [],\n snapshots:\n
[\n snapshotHeight: 0,\n startTime: 0,\n suspenseEvents: [],\n thrownErrors: [],\n];\n\n // Sort `timeline`.\n
JSON Array Format trace events need not be ordered. See:\n //\n
https://docs.google.com/document/d/1CvAClvFfyA5R-PhYUmn5O0QtYMH4h6I0nSsKchNAySU/preview#heading=h.f2f0yd51wi15\n timeline =\n
timeline.filter(Boolean).sort((a, b) => (a.ts > b.ts ? 1 : -1));\n\n // Events displayed in flamechart have timestamps\n
relative to the profile\n // event's startTime. Source:\n
https://github.com/v8/v8/blob/44bd8fd7/src/inspector/js_protocol.json#L1486\n /\n // We'll thus expect there to be\n
a 'Profile' event; if there is not one, we\n // can deduce that there are no flame chart events. As we expect React\n //\n
scheduling profiling user timing marks to be recorded together with browser\n // flame chart events, we can further\n
deduce that the data is invalid and we\n // don't bother finding React events.\n const indexOfProfileEvent =\n
timeline.findIndex(\n event => event.name\n
=== 'Profile',\n);\n if (indexOfProfileEvent === -1) {\n return profilerData;\n }\n\n // Use Profile event's\n
`startTime` as the start time to align with flame chart.\n // TODO: Remove assumption that there'll only be 1\n
'Profile' event. If this\n // assumption does not hold, the chart may start at the wrong time.\n profilerData.startTime\n
= timeline[indexOfProfileEvent].args.data.startTime;\n profilerData.duration =\n (timeline[timeline.length - 1].ts -\n
profilerData.startTime) / 1000;\n\n const state: ProcessorState = {\n asyncProcessingPromises: [],\n batchUID:\n
0,\n currentReactComponentMeasure: null,\n internalModuleCurrentStackFrame: null,\n
internalModuleStackStringSet: new Set(),\n measureStack: [],\n nativeEventStack: [],\n
nextRenderShouldGenerateNewBatchID: true,\n potentialLongEvents: [],\n potentialLongNestedUpdate: null,\n
potentialLongNestedUpdates: [],\n potentialSuspenseEventsOutsideOfTransition: [],\n
requestIdToNetworkMeasureMap:\n
new Map(),\n uidCounter: 0,\n unresolvedSuspenseEvents: new Map(),\n };\n\n timeline.forEach(event =>\n
processTimelineEvent(event, profilerData, state));\n\n if (profilerVersion === null) {\n if (\n
profilerData.schedulingEvents.length === 0 &&\n profilerData.batchUIDToMeasuresMap.size === 0\n) {\n\n
// No profiler version could indicate data was logged using an older build of React,\n // before an explicitly\n
profiler version was included in the logging data.\n // But it could also indicate that the website was either not\n
using React, or using a production build.\n // The easiest way to check for this case is to see if the data contains\n
any scheduled updates or render work.\n throw new InvalidProfileError(\n 'No React marks were found in\n
the provided profile.' +\n ' Please provide profiling data from an React application running in development or\n
profiling mode.',\n);\n }\n\n throw new InvalidProfileError(\n\n
`This version of profiling data is not supported by the current profiler.`,\n);\n }\n\n // Validate that all events\n
and measures are complete\n const {measureStack} = state;\n if (measureStack.length > 0) {\n\n
console.error('Incomplete events or measures', measureStack);\n }\n\n // Check for warnings.\n\n
state.potentialLongEvents.forEach(([nativeEvent, batchUID]) => {\n // See how long the subsequent batch of\n
React work was.\n // Ignore any work that was already started.\n const [startTime, stopTime] =\n
getBatchRange(\n batchUID,\n profilerData,\n nativeEvent.timestamp,\n);\n if (stopTime - startTime >\n
NATIVE_EVENT_DURATION_THRESHOLD) {\n nativeEvent.warning =\n
WARNING_STRINGS.LONG_EVENT_HANDLER;\n }\n });\n\n
state.potentialLongNestedUpdates.forEach(([schedulingEvent, batchUID]) => {\n // See how long the subsequent\n
batch of React work was.\n const [startTime, stopTime] = getBatchRange(batchUID, profilerData);\n\n
if (stopTime - startTime > NESTED_UPDATE_DURATION_THRESHOLD) {\n // Don't warn about\n
transition updates scheduled during the commit phase.\n // e.g. useTransition, useDeferredValue\n // These are

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allowed to be long-running.\n if (\n !schedulingEvent.lanes.some(\n lane =>
profilerData.laneToLabelMap.get(lane) === 'Transition',\n)\n) {\n schedulingEvent.warning =
WARNING_STRINGS.NESTED_UPDATE;\n }\n});\n
state.potentialSuspenseEventsOutsideOfTransition.forEach(\n ([suspenseEvent, lanes]) => {\n // HACK This is
a bit gross but the numeric lane value might change between render versions.\n if (\n !lanes.some(\n lane => profilerData.laneToLabelMap.get(lane) === 'Transition',\n)\n) {\n suspenseEvent.warning =
WARNING_STRINGS.SUSPEND_DURING_UPDATE;\n }\n },\n);\n\n// Wait for any async processing to
complete before returning.\n// Since processing is
done in a worker, async work must complete before data is serialized and returned.\nawait
Promise.all(state.asyncProcessingPromises);\n\n// Now that all images have been loaded, let's figure out the display
size we're going to use for our thumbnails:\n// both the ones rendered to the canvas and the ones shown on hover.\nif (profilerData.snapshots.length > 0) {\n // NOTE We assume a static window size here, which is not necessarily
true but should be for most cases.\n // Regardless, Chrome also sets a single size/ratio and stick with it- so we'll do
the same.\n const snapshot = profilerData.snapshots[0];\n profilerData.snapshotHeight = Math.min(\n snapshot.height,\n SNAPSHOT_MAX_HEIGHT,\n);\n}\n\nreturn profilerData;\n}\n\n"/**\n * Copyright
(c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nexport {\n
COMFORTABLE_LINE_HEIGHT,\n
 COMPACT_LINE_HEIGHT,\n} from 'react-devtools-shared/src/constants.js';\n\nexport const
REACT_TOTAL_NUM_LANES = 31;\n\n// Increment this number any time a backwards breaking change is made
to the profiler metadata.\nexport const SCHEDULING_PROFILER_VERSION = 1;\n\nexport const
SNAPSHOT_MAX_HEIGHT = 60;\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source
code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n
*/\n\nimport * as importFileModule from './importFile';\n\nexport const importFile =
importFileModule.importFile;\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\n
* @flow\n */\n\nimport 'regenerator-runtime/runtime';\n\nimport type {TimelineEvent} from
'@elg/speedscope';\n\nimport type {ImportWorkerOutputData} from './index';\n\nimport
preprocessData from './preprocessData';\n\nimport {readInputData} from './readInputData';\n\nimport
InvalidProfileError from './InvalidProfileError';\n\n\ndeclare var self: DedicatedWorkerGlobalScope;\n\nexport async
function importFile(file: File): Promise<ImportWorkerOutputData> {\n try {\n const readFile = await
readInputData(file);\n const events: TimelineEvent[] = JSON.parse(readFile);\n if (events.length === 0) {\n
throw new InvalidProfileError('No profiling data found in file.);\n }\n\n const processedData = await
preprocessData(events);\n return {\n status: 'SUCCESS',\n processedData,\n }; \n } catch (error) {\n if
(error instanceof InvalidProfileError) {\n return {\n status: 'INVALID_PROFILE_ERROR',\n error,\n }; \n } else {\n return {\n status: 'UNEXPECTED_ERROR',\n error,\n }; \n }\n }\n}\n\n"/**\n *
Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\n
* @flow\n */\n\nimport nullthrows from 'nullthrows';\n\nimport InvalidProfileError from './InvalidProfileError';\n\nexport const
readInputData = (file: File): Promise<string> => {\n if (!file.name.endsWith('.json')) {\n throw new
InvalidProfileError(\n 'Invalid file type. Only JSON performance profiles are supported',\n);\n }\n\n const
fileReader = new FileReader();\n\n return new Promise((resolve, reject) => {\n fileReader.onload = () => {\n
const result = nullthrows(fileReader.result);\n if (typeof result === 'string') {\n resolve(result);\n }\n
reject(new InvalidProfileError('Input file was not read as a string'));\n });\n\n fileReader.onerror = () =>
reject(fileReader.error);\n\n fileReader.readAsText(file);\n });\n};\n\n}], "sourceRoot": ""}

```

Found in path(s):

\* /react-devtools-core-4-24-0-tgz/package/dist/importFile.worker.worker.js.map

No license file was found, but licenses were detected in source scan.

```
/**
 * Copyright (c) Facebook, Inc. and its affiliates.
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 *
 */
/**
 * lodash (Custom Build) <https://lodash.com/>
 * Build: `lodash modularize exports="npm" -o ./`
 * Copyright jQuery Foundation and other contributors <https://jquery.org/>
 * Released under MIT license <https://lodash.com/license>
 * Based on Underscore.js 1.8.3 <http://underscorejs.org/LICENSE>
 * Copyright Jeremy Ashkenas, DocumentCloud and Investigative Reporters & Editors
 */
```

Found in path(s):

\* /react-devtools-core-4-24-0-tgz/package/dist/backend.js

No license file was found, but licenses were detected in source scan.

```
{ "version": 3, "sources": ["webpack://[name]/webpack/bootstrap", "webpack://[name]/../react-devtools-
shared/node_modules/@babel/types/lib/index.js", "webpack://[name]/Users/bvaughn/Documents/git/react.devtools/
node_modules/@babel/types/lib/validators/generated/index.js", "webpack://[name]/../react-devtools-
shared/node_modules/@babel/types/lib/validators/generated/index.js", "webpack://[name]/Users/bvaughn/Documen
ts/git/react.devtools/node_modules/@babel/types/lib/builders/generated/index.js", "webpack://[name]/../react-
devtools-shared/node_modules/@babel/types/lib/builders/generated/index.js", "webpack://[name]/../react-devtools-
shared/node_modules/@babel/types/lib/definitions/index.js", "webpack://[name]/Users/bvaughn/Documents/git/react.
devtools/node_modules/@babel/types/lib/definitions/index.js", "webpack://[name]/../react-devtools-
shared/node_modules/lodash/_root.js", "webpack://[name]/../react-devtools-
shared/node_modules/@babel/traverse/lib/path/index.js", "webpack://[name]/../react-devtools-
shared/node_modules/@babel/types/lib/definitions/utils.js", "webpack://[name]/Users/bvaughn/Documents/git/react.
devtools/node_modules/@babel/types/lib/definitions/utils.js", "webpack://[name]/../react-devtools-
shared/node_modules/lodash/_getNative.js", "webpack://[name]/../react-devtools-
shared/node_modules/lodash/isObjectLike.js", "webpack://[name]/../react-devtools-
shared/node_modules/@babel/types/lib/constants/index.js", "webpack://[name]/../react-devtools-
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devtools/node_modules/@babel/types/lib/constants/index.js", "webpack://[name]/Users/bvaughn/Documents/git/re
act.devtools/node_modules/@babel/types/lib/clone/cloneNode.js", "webpack://[name]/../react-devtools-
shared/node_modules/@babel/traverse/lib/index.js", "webpack://[name]/../react-devtools-
shared/node_modules/lodash/_baseGetTag.js", "webpack://[name]/Users/bvaughn/Documents/git/react.devtools/nod
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identifier/lib/index.js", "webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node_modules/@babel/type
s/lib/index.js", "webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node_modules/source-map-
js/lib/util.js", "webpack://[name]/../react-devtools-
shared/node_modules/lodash/isObject.js", "webpack://[name]/../react-devtools-
```

shared/node\_modules/@babel/types/lib/validators/isValidIdentifier.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/types/lib/validators/isValidIdentifier.js","webpack://[name]/../react-devtools-shared/node\_modules/source-map/lib/util.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_ListCache.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_assocIndexOf.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_nativeCreate.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_getMapData.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_copyObject.js","webpack://[name]/(webpack)/buildin/module.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_baseUnary.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_nodeUtil.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/validators/is.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/retrievers/getBindingIdentifiers.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/types/lib/validators/is.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/types/lib/retrievers/getBindingIdentifiers.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/traverse/lib/cache.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/utils/shallowEqual.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_Map.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_Symbol.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/keys.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/isArray.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_isPrototype.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/keysIn.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_getSymbols.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_getPrototype.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_getTag.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_cloneArrayBuffer.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/definitions/core.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/validators/isValidType.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/validators/validate.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/utils/inherit.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/types/lib/utils/shallowEqual.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/types/lib/definitions/core.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/types/lib/validators/isValidType.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/types/lib/validators/validate.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/types/lib/utils/inherit.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/@babel/template/lib/options.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/parser/lib/index.js","webpack://[name]/Users/bvaughn/Documents/git/react.devtools/node\_modules/lru-cache/index.js","webpack://[name]/testErrorStack.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/traverse/lib/path/lib/virtual-types.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/validators/buildMatchMemberExpression.js","webpack://[name]/../react-devtools-shared/node\_modules/@babel/types/lib/validators/matchesPattern.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/equal.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/isFunction.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_freeGlobal.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_toSource.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_assignValue.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_baseAssignValue.js","webpack://[name]/../react-devtools-shared/node\_modules/lodash/\_arrayLikeKeys.js","webpack://[name]/../react-devtools-



shared/node\_modules/lodash/isBuffer.js","webpack://[name]/../react-devtools-  
shared/node\_modules/lodash/isLength.js","webpack://[name]/../react-devtools-  
shared/node\_modules/lodash/\_overArg.js","webpack://[name]/../react-devtools-  
shared/node\_modules/lodash/isArrayLike.js","webpack://[name]/../react-devtools-  
shared/node\_modules/lodash/stubArray.js","webpack://[name]/../react-devtools-  
shared/node\_modules/lodash/\_getSymbolsIn.js","webpack://[name]/../react-devtools-  
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/node\_modules/to-fast-properties/index.js","webpack://[name]/../react-devtools-  
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ctions","commonPath","commonIndex","isExecutionUncertainInList","divergence","keyPosition","allStatus","execut



ionOrderCheckedNodes","dangerous","\_resolve","targetKey","targetName","isConstantExpression","isInStrictMode","isExecutionUncertain","maxIndex","\_call","then","isBlacklisted","isDenylist","\_this\$opts\$denylist","blacklist","shouldSkip","shouldStop","skipKey","setContext","\_resyncParent","\_resyncList","\_resyncKey","setKey","newContainer","\_resyncRemoved","\_markRemoved","\_this\$node","pathToQueue","\_getQueueContexts","\_this\$opts","\_assertUnremoved","\_removeFromScope","\_callRemovalHooks","shareCommentsWithSiblings","\_remove","\_removalHooks","hooks","updateSiblingKeys","insertBefore","\_containerInsertBefore","shouldInsertCurrentNode","\_containerInsert","getSibling","fromIndex","incrementBy","hoist","\_hoister","run","referenceVisitor","breakOnScopePaths","mutableBinding","scopes","attachAfter","isCompatibleScope","getCompatibleScopes","getAttachmentPath","\_getAttachmentPath","targetScope","getAttachmentParentForPath","violationPath","hasOwnParamBindings","getNextScopeAttachmentParent","bodies","attachTo","insertFn","attached","getOpposite","addCompletionRecords","isLastCaseWithConsequent","findBreak","prevSibling","getPrevSibling","statementFinder","completionRecordForSwitch","getNextSibling","getAllNextSiblings","\_key","sibling","siblings","getAllPrevSiblings","\_getKey","\_getPattern","getBindingIdentifierPaths","getOuterBindingIdentifierPaths","\_findBreak","\_findBreak2","trailing","hasPrev","hasNext","states","wrapper","rootVisitor","visitorType","wrapWithStateOrWrapper","mergePair","\_exploded","shouldIgnoreKey","ensureEntranceObjects","ensureCallbackArrays","wrapCheck","deprecatedKey","\_verified","validateVisitorMethods","visitorKey","oldVisitor","newVisitor","newFn","dest","src","\_capitalize","\_getter","booleanProps","numericProps","stringProps","getArgs","setArgs","getEvalOrigin","evalOrigin","setEvalOrigin","getFileName","getLineNumber","getColumnNumber","getFunctionName","getIsEval","fromString","argsStartIndex","argsEndIndex","locationString","THEME\_STYLES","supportsPerformanceNow","performance","clearMarks","withSyncPerfMeasurements","markName","onComplete","AST\_NODE\_TYPES","PROGRAM","CALL\_EXPRESSION","MEMBER\_EXPRESSION","ARRAY\_PATTERN","IDENTIFIER","NUMERIC\_LITERAL","VARIABLE\_DECLARATOR","checkNodeLocation","filterMemberWithHookVariableName","hook","getFilteredHookASTNodes","potentialReactHookASTNode","potentialHooksFound","nodesAssociatedWithReactHookASTNode","hookNode","isBuiltInHookThatReturnsTuple","nodeContainsHookVariableName","targetHookNode","targetHookName","filterMemberNodesOfTargetHook","getHookName","originalSourceAST","originalSourceCode","originalSourceLineNumber","originalSourceColumnNumber","hooksFromAST","sourceAST","nodePathInit","isHook","isPotentialHookDeclaration","getPotentialHookDeclarationsFromAST","matchingNodes","nodeLocationCheck","hookDeclarationCheck","isConfirmedHookDeclaration","originalHook","hookVariableName","isCustomHook","getHookVariableName","hookPath","getHookNameFromNode","nodeInit","isPascalCaseNameSpace","isReactFunction","sourceMapsAreAppliedToErrors","getHookSourceLocationKey","charToInteger","chars","decoded","segmentify","hasContinuationBit","shouldNegate","getHookNameForLocation","hookMap","foundLine","binSearch","compareLinePositions","foundEntry","getLineNumberFromLine","compareColumnPositions","foundNameIndex","hookNameIndex","getHookNameIndexFromEntry","foundName","compare","step","firstElementIndex","comparison","direction","startIndex","endIndex","getColumnNumberFromEntry","getLineNumberFromEntry","normalizeSourcePath","sourceInput","SourceMapMetadataConsumer","sourcemap","\_decodedHookMapCache","\_metadataBySource","hookNameFor","\_getHookMapForSource","hasHookMap","\_getMetadataBySource","\_getMetadataObjectsBySourceNames","indexSourceMap","metadataMap","basicMap","updateMap","sourceIndex","fbMetadataArray","fbMetadata","reactMetadata","metadataBySource","normalized","encodedHookMap","decodeHookMap","sourceMapJSON","sourceMapConsumer","targetColumnNumber","stopIndex","currentLine","currentColumn","decodedMappings","lineMappings","nearestEntry","runtimeURLToMetadataCache","LRU","originalURLToMetadataCache","originalSourceURL","parseSourceAndMetadata","hooksList","locationKeyToHookSourceAndMetadata","withAsyncPerfMeasurements","locationKeyToHookParsedMetadata","hookSourceAndMetadata","locationKey","metadataConsumer","initializeHookParsedMetadata","hookParsedMetadata","runtimeSourceURL","runtimeMetadata","parseSourceMaps","hookSource","runtimeSourceCode","testErrorStack","ErrorStackParser","SOURCE\_STACK\_FRAME\_LINE\_NUMBER","areSourceMapsAppliedToErrors","sourceMetadata","parseSourceAST","findHookNames","purgeCachedMetadata"],"mappings":"aACE,IAAIA,EAAmB,GAGvB,SAASC,EAAoBC,GAG5B,GAAGF,EAAiBE,GACnB,OAAOF,EAAiBE,GAAUC,QAGnC,IAAIC,EAASJ,EAAiBE,GAAY,CACzCG,EAAGH,EACHI,GAAG,EACHH,QAAS,IAUV,OANAI,EAAQL,GAAUM,KAACK,EAAOD,QAASC,EAAQA,EAAOD,QAASF,GAG/DG,EAAOE,GAAL,EAGJF,EAAOD,QA

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oB,IAATD,IAGF,EAAItC,EAAcpC,SAASyE,EAAMC,GAI5C,OAAO,GAzkDTvK,EAAQsQ,kBA4kDR,SAA2Bh  
G,EAAMC,GAC/B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,oBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EA

AltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAVIDTVK,EAQQUQ,2BA0IDR,SAAOCJG,EAAMC,GACXC,IAAKD,EAAM,OOAO,EAGIB,GAAB,6BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAIDTVK,EAQWQ,8BAWMDR,SAAUCLG,EAAMC,GAC3C,IAAKD,EAAM,OOAO,EAGIB,GAAB,gCAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GANNDTVK,EAQYQ,oBASNDR,SAA6BN,EAAMC,GACJC,IAAKD,EAAM,OOAO,EAGIB,GAAB,sBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAJODTVK,EAQ0Q,uBAODR,SAGCPG,EAAMC,GACP,IAAKD,EAAM,OOAO,EAGIB,GAAB,yBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAODTVK,EAQ2Q,yBAkpDR,SAACrG,EAAMC,GACTC,IAAKD,EAAM,OOAO,EAGIB,GAAB,2BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA7PDTVK,EAQ4Q,oBAGqDR,SAA6BTG,EAAMC,GACJC,IAAKD,EAAM,OOAO,EAGIB,GAAB,sBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA3qDTVK,EAQ6Q,wBA8qDR,SAAICvG,EAAMC,GACrC,IAAKD,EAAM,OOAO,EAGIB,GAAB,0BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAZrDTVK,EAQ8Q,oBA4rDR,SAA6BxG,EAAMC,GACJC,IAAKD,EAAM,OOAO,EAGIB,GAAB,sBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAVIDTVK,EAQ+Q,mBA0sDR,SAA4BzG,EAAMC,GACHC,IAAKD,EAAM,OOAO,EAGIB,GAAB,qBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GARTDTVK,EAQgR,uBAwTDR,SAGC1G,EAAMC,GACP,IAAKD,EAAM,OOAO,EAGIB,GAAB,yBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GANuDTVK,EAQIR,0BASuDR,SAAmC3G,EAAMC,GACvC,IAAKD,EAAM,OOAO,EAGIB,GAAB,4BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAJyDTVK,EAQkR,6BAovDR,SAA5C5G,EAAMC,GAC1C,IAAKD,EAAM,OOAO,EAGIB,GAAB,+BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA/vDTVK,EAQmR,sBAkwDR,SAA+B7G,EAAMC,GACnC,IAAKD,EAAM,OOAO,EAGIB,GAAB,wBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA7wDTVK,EAQoR,sBAGxDR,SAA+B9G,EAAMC,GACnC,IAAKD,EAAM,OOAO,EAGIB,GAAB,wBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA3xDTVK,EAQqR,yBA8xDR,SAAC/G,EAAMC,GACTC,IAAKD,EAAM,OOAO,EAGIB,GAAB,2BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAZyDTVK,EAQsR,8BA4yDR,SAAuChH,EAAMC,GAC3C,IAAKD,EAAM,OOAO,EAGIB,GAAB,gCAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAZDTVK,EAQUr,uBA0zDR,SAGCjH,EAAMC,GACP,IAAKD,EAAM,OOAO,EAGIB,GAAB,yBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAR0DTVK,EAQwR,uBAw0DR,SAGCIH,EAAMC,GACP,IAAKD,EAAM,OOAO,EAGIB,GAAB,yBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAN1DTVK,EAQYr,yBAS1DR,SAACnH,EAAMC,GACTC,IAAKD,EAAM,OOAO,EAGIB,GAAB,2BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAJ2DTVK,EAQ0R,yBAo2DR,SAACpH,EAAMC,GACTC,IAAKD,EAAM,OOAO,EAGIB,GAAB,2BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA/2DTVK,EAQ2R,oBAk3DR,SAA6BrH,EAAMC,GACJC,IAAKD,EAAM,OOAO,EAGIB,GAAB,sBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA73DTVK,EAQ4R,qBAG4DR,SAA8BH,EAAMC,GACIC,IAAKD,EAAM,OOAO,EAGIB,GAAB,uBAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA34DTVK,EAQ6R,2BA84DR,SAAOCvH,EAAMC,GACXC,IAAKD,EAAM,OOAO,EAGIB,GAAB,6BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAZ5DTVK,EAQ8R,aA45DR,SAA5BxH,EAAMC,GAC1B,IAAKD,EAAM,OOAO,EAGIB,GAAB,eFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GA6DTVK,EAQ+R,0BA06DR,SAAmCzH,EAAMC,GACvC,IAAKD,EAAM,OOAO,EAGIB,GAAB,4BAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAR7DTVK,EAQgS,8BAw7DR,SAAuC1H,EAAMC,GAC3C,IAAKD,EAAM,OOAO,EAGIB,GAAB,gCAFAA,EAKE,KAGPB,YAAB,IAATD,IAGF,EAAltC,EAACP,SAASYE,EAAMC,GAISC,OOAO,GAN8DTVK,EAQiS,uB

As8DR,SAAGC3H,EAAMC,GACpC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,yBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAj9DTvK,EAAQkS,uBAo9DR,SAAGC5H,EAAMC,GACpC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,yBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA9DTvK,EAAQmS,qBAk+DR,SAA8B7H,EAAMC,GAClC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,uBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA7+DTvK,EAAQoS,sBAG/DR,SAA+B9H,EAAMC,GACnC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,wBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA3/DTvK,EAAQqS,uBA8/DR,SAAGC/H,EAAMC,GACpC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,yBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAzgETvK,EAAQsS,YA4gER,SAAQbHl,EAAMC,GACzB,IAAKD,EAAM,OAAO,EAGIB,GAAiB,cAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAvhETvK,EAAQuS,iBA0hER,SAA0BjI,EAAMC,GAC9B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,mBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAriETvK,EAAQwS,qBAwiER,SAA8BII,EAAMC,GAClC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,uBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GANjETvK,EAAQyS,gBASjER,SAAYBnI,EAAMC,GAC7B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,kBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAjkETvK,EAAQoS,2BAOkER,SAAoCpI,EAAMC,GACxC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,6BAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA/keTVK,EAAQ2S,6BAkIER,SAASCrI,EAAMC,GAC1C,IAAKD,EAAM,OAAO,EAGIB,GAAiB,+BAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA7IETvK,EAAQ4S,sBAGmER,SAA+BtI,EAAMC,GACnC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,wBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA3mETvK,EAAQ6S,WA8mER,SAAoBvI,EAAMC,GACxB,IAAKD,EAAM,OAAO,EAGIB,GAAiB,aAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAznETvK,EAAQ8S,qBA4nER,SAA8BxI,EAAMC,GAClC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,uBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAvoETvK,EAAQ+S,kBA0oER,SAA2BzI,EAAMC,GAC/B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,oBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GArpETvK,EAAQgT,kBAwpER,SAA2B1I,EAAMC,GAC/B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,oBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAnqETvK,EAAQiT,iBAsqER,SAA0B3I,EAAMC,GAC9B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,mBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAjrETvK,EAAQkT,iBAorER,SAA0B5I,EAAMC,GAC9B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,mBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA/rETvK,EAAQmT,iBAksER,SAA0B7I,EAAMC,GAC9B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,mBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA7sETvK,EAAQoT,oBAGtER,SAA6B9I,EAAMC,GACjC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,sBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA3tETvK,EAAQqT,mBA8tER,SAA4B/I,EAAMC,GACbC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,qBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAzuETvK,EAAQsT,mBA4uER,SAA4BhJ,EAAMC,GACbC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,qBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAvvETvK,EAAQuT,sBA0vER,SAA+BjJ,EAAMC,GACnC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,wBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GArwETvK,EAAQ0T,eAwwER,SAAwBpJ,EAAMC,GAC5B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,iBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAnxETvK,EAAQ2T,oBASxER,SAA6BrJ,EAAMC,GACjC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,sBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GAjyETvK,EAAQ4T,aAoyER,SAASBtJ,EAAMC,GAC1B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,eAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EAACPc,SAASyE,EAAMC,GAI5C,OAAO,GA/yETvK,EAAQ6T,qBAkzER,SAA8BvJ,EAAMC,GAClC,IAAKD,EAAM,OAAO,EAGIB,GAAiB,uBAFAA,EAAKE,KAGpB,YAAoB,IAATD,I

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C,GAC3B,IAAKD,EAAM,OAAO,EAGIB,GAAiB,gBAFAA,EAAKE,KAGpB,YAAoB,IAATD,IAGF,EAAItC,EA  
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+C,KAAKioC,IAAIhrD,EAAM+8B,YAAWt6C,EEAKsW,UAAW,GAC9C,MAAM6oE,EAAUn/E,EAehB,GA  
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[illegible]

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8C, EAAcA, EAAy/3C, MAG5B, IAAK+3C, EACH, MAAM, IAAI9W, MAAM, 6EAGlB, GAAIX, KAAKtgC, OAAS+  
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+H,EAAGBlxJ,GAAW,SAC/B,MAAM+2B,EAAMPe,EAAQ3yB,GACpB,IAAI81B,EAAUxuC,EAAEomC,mBA  
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B8iE,EAA0B9iE,S","file":"parseSourceAndMetadata.worker.worker.js","sourcesContent":["

```
__webpack_require__(moduleId) {\n // Check if module is in cache\n if(!installedModules[moduleId]) {\n // Create a new module (and put it into the cache)\n var module = installedModules[moduleId] = {\n id: moduleId,\n loaded: false,\n exports: {}\n }\n // Execute the module function\n modules[moduleId].call(module.exports,\n module, module.exports, __webpack_require__);\n // Flag the module as loaded\n module.loaded = true;\n // Return the exports of the module\n return module.exports;\n }\n // expose the modules object
```



```
(__webpack_modules__)\n \t __webpack_require__.m = modules;\n\n\t// expose the module cache\n\n\t __webpack_require__.c = installedModules;\n\n\t // define getter function for harmony exports\n\n\t __webpack_require__.d = function(exports, name, getter) {\n\t\tif(!__webpack_require__.o(exports, name)) {\n\t\t\tObject.defineProperty(exports, name, { enumerable: true, get: getter });\n\t}\n\n\t// define __esModule
on exports\n\t __webpack_require__.r = function(exports) {\n\t\tif(typeof Symbol !== 'undefined' &&
Symbol.toStringTag) {\n\t\t\tObject.defineProperty(exports, Symbol.toStringTag, { value: 'Module' });\n\t}\n\t\tObject.defineProperty(exports, '__esModule', { value: true });\n\t};\n\n\t// create a fake namespace object\n\t mode & 1: value is

\ta module id, require it\n\t// mode & 2: merge all properties of value into the ns\n\t// mode & 4: return value when already ns object\n\t// mode & 8|1: behave like require\n\t __webpack_require__.t = function(value, mode) {\n\t\tif(mode & 1) value = __webpack_require__(value);\n\t\tif(mode & 8) return value;\n\t\tif((mode & 4) && typeof value === 'object' && value.__esModule) return value;\n\t\tvar ns = Object.create(null);\n\t\t __webpack_require__.r(ns);\n\t\tObject.defineProperty(ns, 'default', { enumerable: true, value: value });\n\t\tif(mode & 2 && typeof value != 'string')
for(var key in value)
__webpack_require__.d(ns, key, function(key) {\nreturn value[key]; }).bind(null, key));\n\t\treturn ns;\n\t};\n\n\t// getDefaultExport function for compatibility with non-harmony modules\n\t __webpack_require__.n = function(module) {\n\t\tvar getter = module && module.__esModule ?
function getDefault() { return module['default']; } :
function getModuleExports()
{ return module; };
__webpack_require__.d(getter, 'a', getter);
return getter;\n\t};\n\n\tObject.prototype.hasOwnProperty.call\n\t __webpack_require__.o = function(object, property) { return
Object.prototype.hasOwnProperty.call(object, property); }\n\n\t// __webpack_public_path__\n\t __webpack_require__.p = "";\n\n\t// Load entry module and return exports\n\treturn
__webpack_require__((__webpack_require__.s = 375));\n,\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\nvar _exportNames = {\n react: true,\n assertNode: true,\n createTypeAnnotationBasedOnTypeof: true,\n createUnionTypeAnnotation: true,\n createFlowUnionType: true,\n createTSUnionType: true,\n cloneNode: true,\n cloneDeep: true,\n cloneDeepWithoutLoc: true,\n cloneWithoutLoc: true,\n addComment: true,\n addComments: true,\n inheritInnerComments: true,\n inheritLeadingComments: true,\n inheritsComments: true,\n inheritTrailingComments:
true,\n removeComments: true,\n ensureBlock: true,\n toBindingIdentifierName: true,\n toBlock: true,\n toComputedKey: true,\n toExpression: true,\n toIdentifier: true,\n toKeyAlias: true,\n toSequenceExpression:
true,\n toStatement: true,\n valueToNode: true,\n appendToMemberExpression: true,\n inherits: true,\n prependToMemberExpression: true,\n removeProperties: true,\n removePropertiesDeep: true,\n removeTypeDuplicates: true,\n getBindingIdentifiers: true,\n getOuterBindingIdentifiers: true,\n traverse: true,\n traverseFast: true,\n shallowEqual: true,\n is: true,\n isBinding: true,\n isBlockScoped: true,\n isImmutable: true,\n isLet: true,\n isNode: true,\n isNodesEquivalent: true,\n isPlaceholderType: true,\n isReferenced: true,\n isScope: true,\n isSpecifierDefault: true,\n isType: true,\n isValidES3Identifier: true,\n isValidIdentifier: true,\n isVar: true,\n matchesPattern: true,\n validate: true,\n buildMatchMemberExpression:
true\n};\nObject.defineProperty(exports, \"assertNode\", {\n enumerable: true,\n get: function () {\n return _assertNode.default;\n }\n});\nObject.defineProperty(exports, \"createTypeAnnotationBasedOnTypeof\", {\n enumerable: true,\n get: function () {\n return _createTypeAnnotationBasedOnTypeof.default;\n }\n});\nObject.defineProperty(exports, \"createUnionTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _createFlowUnionType.default;\n }\n});\nObject.defineProperty(exports, \"createFlowUnionType\", {\n enumerable: true,\n get: function () {\n return _createFlowUnionType.default;\n }\n});\nObject.defineProperty(exports, \"createTSUnionType\", {\n enumerable: true,\n get: function () {\n return _createTSUnionType.default;\n }\n});\nObject.defineProperty(exports, \"cloneNode\", {\n enumerable: true,\n get: function () {\n return _cloneNode.default;\n }\n});\nObject.defineProperty(exports, \"clone\", {\n enumerable: true,\n get:
function () {\n return _clone.default;\n }\n});\nObject.defineProperty(exports, \"cloneDeep\", {\n enumerable: true,\n get: function () {\n return _cloneDeep.default;\n }\n});\nObject.defineProperty(exports,
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"cloneDeepWithoutLoc", {\n enumerable: true,\n get: function () {\n return _cloneDeepWithoutLoc.default;\n }
});\nObject.defineProperty(exports, "cloneWithoutLoc", {\n enumerable: true,\n get: function () {\n return
_cloneWithoutLoc.default;\n }
});\nObject.defineProperty(exports, "addComment", {\n enumerable: true,\n get:
function () {\n return _addComment.default;\n }
});\nObject.defineProperty(exports, "addComments", {\n
enumerable: true,\n get: function () {\n return _addComments.default;\n }
});\nObject.defineProperty(exports, "inheritInnerComments", {\n enumerable: true,\n
get: function () {\n return _inheritInnerComments.default;\n }
});\nObject.defineProperty(exports, "inheritLeadingComments", {\n enumerable: true,\n
get: function () {\n return _inheritLeadingComments.default;\n }
});\nObject.defineProperty(exports, "inheritsComments", {\n enumerable: true,\n
get: function () {\n return _inheritsComments.default;\n }
});\nObject.defineProperty(exports, "inheritTrailingComments", {\n enumerable: true,\n
get: function () {\n return _inheritTrailingComments.default;\n }
});\nObject.defineProperty(exports, "removeComments", {\n
enumerable: true,\n get: function () {\n return _removeComments.default;\n }
});\nObject.defineProperty(exports, "ensureBlock", {\n enumerable: true,\n
get: function () {\n return _ensureBlock.default;\n }
});\nObject.defineProperty(exports, "toBindingIdentifierName", {\n enumerable:
true,\n get: function () {\n return _toBindingIdentifierName.default;\n }
});\nObject.defineProperty(exports, "toBlock", {\n enumerable: true,\n
get: function () {\n return _toBlock.default;\n }
});\nObject.defineProperty(exports, "toComputedKey", {\n
enumerable: true,\n get: function () {\n return _toComputedKey.default;\n }
});\nObject.defineProperty(exports, "toExpression", {\n enumerable: true,\n
get: function () {\n return _toExpression.default;\n }
});\nObject.defineProperty(exports, "toIdentifier", {\n enumerable: true,\n
get: function () {\n return _toIdentifier.default;\n }
});\nObject.defineProperty(exports, "toKeyAlias", {\n
enumerable: true,\n get: function () {\n return _toKeyAlias.default;\n }
});\nObject.defineProperty(exports, "toSequenceExpression", {\n enumerable: true,\n
get: function () {\n return _toSequenceExpression.default;\n }
});\nObject.defineProperty(exports, "toStatement", {\n enumerable: true,\n
get: function () {\n return _toStatement.default;\n }
});\nObject.defineProperty(exports, "valueToNode", {\n enumerable: true,\n
get: function () {\n return _valueToNode.default;\n }
});\nObject.defineProperty(exports, "appendToMemberExpression", {\n
enumerable: true,\n get: function () {\n return _appendToMemberExpression.default;\n }
});\nObject.defineProperty(exports, "inherits", {\n enumerable: true,\n
get: function () {\n return _inherits.default;\n }
});\nObject.defineProperty(exports, "prependToMemberExpression", {\n enumerable:
true,\n get: function () {\n return _prependToMemberExpression.default;\n }
});\nObject.defineProperty(exports, "removeProperties", {\n enumerable: true,\n
get: function () {\n return _removeProperties.default;\n }
});\nObject.defineProperty(exports, "removePropertiesDeep", {\n enumerable:
true,\n get: function () {\n return _removePropertiesDeep.default;\n }
});\nObject.defineProperty(exports, "removeTypeDuplicates", {\n enumerable: true,\n
get: function () {\n return _removeTypeDuplicates.default;\n }
});\nObject.defineProperty(exports, "getBindingIdentifiers", {\n enumerable: true,\n
get: function () {\n return _getBindingIdentifiers.default;\n }
});\nObject.defineProperty(exports, "getOuterBindingIdentifiers", {\n enumerable:
true,\n get: function () {\n return _getOuterBindingIdentifiers.default;\n }
});\nObject.defineProperty(exports, "traverse", {\n enumerable:
true,\n get: function () {\n return _traverse.default;\n }
});\nObject.defineProperty(exports, "traverseFast", {\n enumerable: true,\n
get: function () {\n return _traverseFast.default;\n }
});\nObject.defineProperty(exports, "shallowEqual", {\n enumerable: true,\n
get: function () {\n return _shallowEqual.default;\n }
});\nObject.defineProperty(exports, "is", {\n enumerable: true,\n
get: function () {\n return _is.default;\n }
});\nObject.defineProperty(exports, "isBinding", {\n enumerable: true,\n
get: function () {\n return _isBinding.default;\n }
});\nObject.defineProperty(exports, "isBlockScoped", {\n enumerable: true,\n
get: function () {\n return _isBlockScoped.default;\n }
});\nObject.defineProperty(exports, "isImmutable", {\n enumerable: true,\n
get: function () {\n return _isImmutable.default;\n }
});\nObject.defineProperty(exports, "isLet", {\n enumerable: true,\n
get: function ()

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 {\n return _isLet.default;\n } \n});\nObject.defineProperty(exports, \"isNode\", {\n enumerable: true,\n get: function () {\n return _isNode.default;\n } \n});\nObject.defineProperty(exports, \"isNodesEquivalent\", {\n enumerable: true,\n get: function () {\n return _isNodesEquivalent.default;\n } \n});\nObject.defineProperty(exports, \"isPlaceholderType\", {\n enumerable: true,\n get: function () {\n return _isPlaceholderType.default;\n } \n});\nObject.defineProperty(exports, \"isReferenced\", {\n enumerable: true,\n get: function () {\n return _isReferenced.default;\n } \n});\nObject.defineProperty(exports, \"isScope\", {\n enumerable: true,\n get: function () {\n return _isScope.default;\n } \n});\nObject.defineProperty(exports, \"isSpecifierDefault\", {\n enumerable: true,\n get: function () {\n return _isSpecifierDefault.default;\n } \n});\nObject.defineProperty(exports, \"isType\", {\n enumerable: true,\n get: function () {\n return _isType.default;\n } \n});\nObject.defineProperty(exports, \"isValidES3Identifier\", {\n enumerable: true,\n get: function () {\n return _isValidES3Identifier.default;\n } \n});\nObject.defineProperty(exports, \"isValidIdentifier\", {\n enumerable: true,\n get: function () {\n return _isValidIdentifier.default;\n } \n});\nObject.defineProperty(exports, \"isVar\", {\n enumerable: true,\n get: function () {\n return _isVar.default;\n } \n});\nObject.defineProperty(exports, \"matchesPattern\", {\n enumerable: true,\n get: function () {\n return _matchesPattern.default;\n } \n});\nObject.defineProperty(exports, \"validate\", {\n enumerable: true,\n get: function () {\n return _validate.default;\n } \n});\nObject.defineProperty(exports, \"buildMatchMemberExpression\", {\n enumerable: true,\n get: function () {\n return _buildMatchMemberExpression.default;\n } \n});\nexports.react = void 0;\n\nvar _isReactComponent = _interopRequireDefault(require(\"./validators/react/isReactComponent\"));\nvar _isCompatTag = _interopRequireDefault(require(\"./validators/react/isCompatTag\"));\nvar _buildChildren = _interopRequireDefault(require(\"./builders/react/buildChildren\"));\nvar _assertNode = _interopRequireDefault(require(\"./asserts/assertNode\"));\nvar _generated = require(\"./asserts/generated\");\n\nObject.keys(_generated).forEach(function (key) {\n if (key === \"default\" || key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in exports && exports[key] === _generated[key]) return;\n Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return _generated[key];\n } \n});\n});\n\nvar _createTypeAnnotationBasedOnTypeof = _interopRequireDefault(require(\"./builders/flow/createTypeAnnotationBasedOnTypeof\"));\nvar _createFlowUnionType = _interopRequireDefault(require(\"./builders/flow/createFlowUnionType\"));\nvar _createTSUnionType = _interopRequireDefault(require(\"./builders/typescript/createTSUnionType\"));\nvar _generated2 = require(\"./builders/generated\");\n\nObject.keys(_generated2).forEach(function (key) {\n if (key === \"default\" || key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in exports && exports[key] === _generated2[key]) return;\n Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return _generated2[key];\n } \n});\n});\n\nvar _cloneNode = _interopRequireDefault(require(\"./clone/cloneNode\"));\nvar _clone = _interopRequireDefault(require(\"./clone/clone\"));\nvar _cloneDeep = _interopRequireDefault(require(\"./clone/cloneDeep\"));\nvar _cloneDeepWithoutLoc = _interopRequireDefault(require(\"./clone/cloneDeepWithoutLoc\"));\nvar _cloneWithoutLoc = _interopRequireDefault(require(\"./clone/cloneWithoutLoc\"));\nvar _addComment = _interopRequireDefault(require(\"./comments/addComment\"));\nvar _addComments = _interopRequireDefault(require(\"./comments/addComments\"));\nvar _inheritInnerComments = _interopRequireDefault(require(\"./comments/inheritInnerComments\"));\nvar _inheritLeadingComments = _interopRequireDefault(require(\"./comments/inheritLeadingComments\"));\nvar _inheritsComments = _interopRequireDefault(require(\"./comments/inheritsComments\"));\nvar _inheritTrailingComments = _interopRequireDefault(require(\"./comments/inheritTrailingComments\"));\nvar _removeComments = _interopRequireDefault(require(\"./comments/removeComments\"));\nvar _generated3 = require(\"./constants/generated\");\n\nObject.keys(_generated3).forEach(function (key) {\n if (key === \"default\" ||

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key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames,
key)) return;\n if (key in exports && exports[key] === _generated3[key]) return;\n Object.defineProperty(exports,
key, {\n enumerable: true,\n get: function () {\n return _generated3[key];\n }\n });\n});\n\nvar _constants =
require(\"./constants\");\n\nObject.keys(_constants).forEach(function (key) {\n if (key === \"default\" || key ===
\"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in
exports && exports[key] === _constants[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _constants[key];\n }\n });\n});\n\nvar _ensureBlock =
_interopRequireDefault(require(\"./converters/ensureBlock\"));\n\nvar _toBindingIdentifierName =
_interopRequireDefault(require(\"./converters/toBindingIdentifierName\"));\n\nvar _toBlock =
_interopRequireDefault(require(\"./converters/toBlock\"));\n\nvar _toComputedKey =
_interopRequireDefault(require(\"./converters/toComputedKey\"));\n\nvar _toExpression =
_interopRequireDefault(require(\"./converters/toExpression\"));\n\nvar _toIdentifier =
_interopRequireDefault(require(\"./converters/toIdentifier\"));\n\nvar _toKeyAlias =
_interopRequireDefault(require(\"./converters/toKeyAlias\"));\n\nvar _toSequenceExpression =
_interopRequireDefault(require(\"./converters/toSequenceExpression\"));\n\nvar _toStatement =
_interopRequireDefault(require(\"./converters/toStatement\"));\n\nvar _valueToNode =
_interopRequireDefault(require(\"./converters/valueToNode\"));\n\nvar _definitions =
require(\"./definitions\");\n\nObject.keys(_definitions).forEach(function (key) {\n if (key === \"default\" || key ===
\"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in
exports && exports[key] === _definitions[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return
_definitions[key];\n }\n });\n});\n\nvar _appendToMemberExpression =
_interopRequireDefault(require(\"./modifications/appendToMemberExpression\"));\n\nvar _inherits =
_interopRequireDefault(require(\"./modifications/inherits\"));\n\nvar _prependToMemberExpression =
_interopRequireDefault(require(\"./modifications/prependToMemberExpression\"));\n\nvar _removeProperties =
_interopRequireDefault(require(\"./modifications/removeProperties\"));\n\nvar _removePropertiesDeep =
_interopRequireDefault(require(\"./modifications/removePropertiesDeep\"));\n\nvar _removeTypeDuplicates =
_interopRequireDefault(require(\"./modifications/flow/removeTypeDuplicates\"));\n\nvar _getBindingIdentifiers =
_interopRequireDefault(require(\"./retrievers/getBindingIdentifiers\"));\n\nvar _getOuterBindingIdentifiers =
_interopRequireDefault(require(\"./retrievers/getOuterBindingIdentifiers\"));\n\nvar _traverse =
_interopRequireDefault(require(\"./traverse/traverse\"));\n\nvar _traverseFast =
_interopRequireDefault(require(\"./traverse/traverseFast\"));\n\nvar
_shallowEqual = _interopRequireDefault(require(\"./utils/shallowEqual\"));\n\nvar _is =
_interopRequireDefault(require(\"./validators/is\"));\n\nvar _isBinding =
_interopRequireDefault(require(\"./validators/isBinding\"));\n\nvar _isBlockScoped =
_interopRequireDefault(require(\"./validators/isBlockScoped\"));\n\nvar _isImmutable =
_interopRequireDefault(require(\"./validators/isImmutable\"));\n\nvar _isLet =
_interopRequireDefault(require(\"./validators/isLet\"));\n\nvar _isNode =
_interopRequireDefault(require(\"./validators/isNode\"));\n\nvar _isNodesEquivalent =
_interopRequireDefault(require(\"./validators/isNodesEquivalent\"));\n\nvar _isPlaceholderType =
_interopRequireDefault(require(\"./validators/isPlaceholderType\"));\n\nvar _isReferenced =
_interopRequireDefault(require(\"./validators/isReferenced\"));\n\nvar _isScope =
_interopRequireDefault(require(\"./validators/isScope\"));\n\nvar _isSpecifierDefault =
_interopRequireDefault(require(\"./validators/isSpecifierDefault\"));\n\nvar
_isType = _interopRequireDefault(require(\"./validators/isType\"));\n\nvar _isValidES3Identifier =
_interopRequireDefault(require(\"./validators/isValidES3Identifier\"));\n\nvar _isValidIdentifier =
_interopRequireDefault(require(\"./validators/isValidIdentifier\"));\n\nvar _isVar =
_interopRequireDefault(require(\"./validators/isVar\"));\n\nvar _matchesPattern =

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_interopRequireDefault(require(\"./validators/matchesPattern\"));\n\nvar _validate =
_interopRequireDefault(require(\"./validators/validate\"));\n\nvar _buildMatchMemberExpression =
_interopRequireDefault(require(\"./validators/buildMatchMemberExpression\"));\n\nvar _generated4 =
require(\"./validators/generated\");\n\nObject.keys(_generated4).forEach(function (key) {\n if (key === \"default\" ||
key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key
in exports && exports[key] === _generated4[key]) return;\n\n Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return _generated4[key];\n }\n });\n});\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj };
}\n\nconst react = {\n isReactComponent: _isReactComponent.default,\n isCompatTag: _isCompatTag.default,\n buildChildren: _buildChildren.default\n};\n\nexports.react = react;\",\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.isArrayExpression =
isArrayExpression;\n\nexports.isAssignmentExpression = isAssignmentExpression;\n\nexports.isBinaryExpression =
isBinaryExpression;\n\nexports.isInterpreterDirective = isInterpreterDirective;\n\nexports.isDirective =
isDirective;\n\nexports.isDirectiveLiteral = isDirectiveLiteral;\n\nexports.isBlockStatement =
isBlockStatement;\n\nexports.isBreakStatement = isBreakStatement;\n\nexports.isCallExpression =
isCallExpression;\n\nexports.isCatchClause = isCatchClause;\n\nexports.isConditionalExpression
= isConditionalExpression;\n\nexports.isContinueStatement = isContinueStatement;\n\nexports.isDebuggerStatement =
isDebuggerStatement;\n\nexports.isDoWhileStatement = isDoWhileStatement;\n\nexports.isEmptyStatement =
isEmptyStatement;\n\nexports.isExpressionStatement = isExpressionStatement;\n\nexports.isFile =
isFile;\n\nexports.isForInStatement = isForInStatement;\n\nexports.isForStatement =
isForStatement;\n\nexports.isFunctionDeclaration = isFunctionDeclaration;\n\nexports.isFunctionExpression =
isFunctionExpression;\n\nexports.isIdentifier = isIdentifier;\n\nexports.isIfStatement =
isIfStatement;\n\nexports.isLabeledStatement = isLabeledStatement;\n\nexports.isStringLiteral =
isStringLiteral;\n\nexports.isNumericLiteral = isNumericLiteral;\n\nexports.isNullLiteral =
isNullLiteral;\n\nexports.isBooleanLiteral = isBooleanLiteral;\n\nexports.isRegExpLiteral =
isRegExpLiteral;\n\nexports.isLogicalExpression = isLogicalExpression;\n\nexports.isMemberExpression =
isMemberExpression;\n\nexports.isNewExpression
= isNewExpression;\n\nexports.isProgram = isProgram;\n\nexports.isObjectExpression =
isObjectExpression;\n\nexports.isObjectMethod = isObjectMethod;\n\nexports.isObjectProperty =
isObjectProperty;\n\nexports.isRestElement = isRestElement;\n\nexports.isReturnStatement =
isReturnStatement;\n\nexports.isSequenceExpression = isSequenceExpression;\n\nexports.isParenthesizedExpression =
isParenthesizedExpression;\n\nexports.isSwitchCase = isSwitchCase;\n\nexports.isSwitchStatement =
isSwitchStatement;\n\nexports.isThisExpression = isThisExpression;\n\nexports.isThrowStatement =
isThrowStatement;\n\nexports.isTryStatement = isTryStatement;\n\nexports.isUnaryExpression =
isUnaryExpression;\n\nexports.isUpdateExpression = isUpdateExpression;\n\nexports.isVariableDeclaration =
isVariableDeclaration;\n\nexports.isVariableDeclarator = isVariableDeclarator;\n\nexports.isWhileStatement =
isWhileStatement;\n\nexports.isWithStatement = isWithStatement;\n\nexports.isAssignmentPattern =
isAssignmentPattern;\n\nexports.isArrayPattern = isArrayPattern;\n\nexports.isArrowFunctionExpression
= isArrowFunctionExpression;\n\nexports.isClassBody = isClassBody;\n\nexports.isClassExpression =
isClassExpression;\n\nexports.isClassDeclaration = isClassDeclaration;\n\nexports.isExportAllDeclaration =
isExportAllDeclaration;\n\nexports.isExportDefaultDeclaration =
isExportDefaultDeclaration;\n\nexports.isExportNamedDeclaration =
isExportNamedDeclaration;\n\nexports.isExportSpecifier = isExportSpecifier;\n\nexports.isForOfStatement =
isForOfStatement;\n\nexports.isImportDeclaration = isImportDeclaration;\n\nexports.isImportDefaultSpecifier =
isImportDefaultSpecifier;\n\nexports.isImportNamespaceSpecifier =
isImportNamespaceSpecifier;\n\nexports.isImportSpecifier = isImportSpecifier;\n\nexports.isMetaProperty =
isMetaProperty;\n\nexports.isClassMethod = isClassMethod;\n\nexports.isObjectPattern =
isObjectPattern;\n\nexports.isSpreadElement = isSpreadElement;\n\nexports.isSuper =

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isSuper;\nexports.isTaggedTemplateExpression = isTaggedTemplateExpression;\nexports.isTemplateElement  
= isTemplateElement;\nexports.isTemplateLiteral = isTemplateLiteral;\nexports.isYieldExpression =  
isYieldExpression;\nexports.isAwaitExpression = isAwaitExpression;\nexports.isImport =  
isImport;\nexports.isBigIntLiteral = isBigIntLiteral;\nexports.isExportNamespaceSpecifier =  
isExportNamespaceSpecifier;\nexports.isOptionalMemberExpression =  
isOptionalMemberExpression;\nexports.isOptionalCallExpression =  
isOptionalCallExpression;\nexports.isAnyTypeAnnotation =  
isAnyTypeAnnotation;\nexports.isArrayTypeAnnotation =  
isArrayTypeAnnotation;\nexports.isBooleanTypeAnnotation =  
isBooleanTypeAnnotation;\nexports.isBooleanLiteralTypeAnnotation =  
isBooleanLiteralTypeAnnotation;\nexports.isNullLiteralTypeAnnotation =  
isNullLiteralTypeAnnotation;\nexports.isClassImplements = isClassImplements;\nexports.isDeclareClass =  
isDeclareClass;\nexports.isDeclareFunction = isDeclareFunction;\nexports.isDeclareInterface =  
isDeclareInterface;\nexports.isDeclareModule = isDeclareModule;\nexports.isDeclareModuleExports  
= isDeclareModuleExports;\nexports.isDeclareTypeAlias = isDeclareTypeAlias;\nexports.isDeclareOpaqueType =  
isDeclareOpaqueType;\nexports.isDeclareVariable = isDeclareVariable;\nexports.isDeclareExportDeclaration =  
isDeclareExportDeclaration;\nexports.isDeclareExportAllDeclaration =  
isDeclareExportAllDeclaration;\nexports.isDeclaredPredicate =  
isDeclaredPredicate;\nexports.isExistsTypeAnnotation =  
isExistsTypeAnnotation;\nexports.isFunctionTypeAnnotation =  
isFunctionTypeAnnotation;\nexports.isFunctionTypeParam =  
isFunctionTypeParam;\nexports.isGenericTypeAnnotation = isGenericTypeAnnotation;\nexports.isInferredPredicate  
= isInferredPredicate;\nexports.isInterfaceExtends = isInterfaceExtends;\nexports.isInterfaceDeclaration =  
isInterfaceDeclaration;\nexports.isInterfaceTypeAnnotation =  
isInterfaceTypeAnnotation;\nexports.isIntersectionTypeAnnotation =  
isIntersectionTypeAnnotation;\nexports.isMixedTypeAnnotation =  
isMixedTypeAnnotation;\nexports.isEmptyTypeAnnotation =  
isEmptyTypeAnnotation;\nexports.isNullableTypeAnnotation  
= isNullableTypeAnnotation;\nexports.isNumberLiteralTypeAnnotation =  
isNumberLiteralTypeAnnotation;\nexports.isNumberTypeAnnotation =  
isNumberTypeAnnotation;\nexports.isObjectTypeAnnotation =  
isObjectTypeAnnotation;\nexports.isObjectTypeInternalSlot =  
isObjectTypeInternalSlot;\nexports.isObjectTypeCallProperty =  
isObjectTypeCallProperty;\nexports.isObjectTypeIndexer = isObjectTypeIndexer;\nexports.isObjectTypeProperty =  
isObjectTypeProperty;\nexports.isObjectTypeSpreadProperty =  
isObjectTypeSpreadProperty;\nexports.isOpaqueType = isOpaqueType;\nexports.isQualifiedTypeIdentifier =  
isQualifiedTypeIdentifier;\nexports.isStringLiteralTypeAnnotation =  
isStringLiteralTypeAnnotation;\nexports.isStringTypeAnnotation =  
isStringTypeAnnotation;\nexports.isSymbolTypeAnnotation =  
isSymbolTypeAnnotation;\nexports.isThisTypeAnnotation =  
isThisTypeAnnotation;\nexports.isTupleTypeAnnotation =  
isTupleTypeAnnotation;\nexports.isTypeofTypeAnnotation = isTypeofTypeAnnotation;\nexports.isTypeAlias  
= isTypeAlias;\nexports.isTypeAnnotation = isTypeAnnotation;\nexports.isTypeCastExpression =  
isTypeCastExpression;\nexports.isTypeParameter = isTypeParameter;\nexports.isTypeParameterDeclaration =  
isTypeParameterDeclaration;\nexports.isTypeParameterInstantiation =  
isTypeParameterInstantiation;\nexports.isUnionTypeAnnotation = isUnionTypeAnnotation;\nexports.isVariance =  
isVariance;\nexports.isVoidTypeAnnotation = isVoidTypeAnnotation;\nexports.isEnumDeclaration =  
isEnumDeclaration;\nexports.isEnumBooleanBody = isEnumBooleanBody;\nexports.isEnumNumberBody =

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isEnumNumberBody;\nexports.isEnumStringBody = isEnumStringBody;\nexports.isEnumSymbolBody =
isEnumSymbolBody;\nexports.isEnumBooleanMember =
isEnumBooleanMember;\nexports.isEnumNumberMember =
isEnumNumberMember;\nexports.isEnumStringMember =
isEnumStringMember;\nexports.isEnumDefaultedMember =
isEnumDefaultedMember;\nexports.isIndexedAccessType =
isIndexedAccessType;\nexports.isOptionalIndexedAccessType
= isOptionalIndexedAccessType;\nexports.isJSXAttribute = isJSXAttribute;\nexports.isJSXClosingElement =
isJSXClosingElement;\nexports.isJSXElement = isJSXElement;\nexports.isJSXEmptyExpression =
isJSXEmptyExpression;\nexports.isJSXExpressionContainer =
isJSXExpressionContainer;\nexports.isJSXSpreadChild = isJSXSpreadChild;\nexports.isJSXIdentifier =
isJSXIdentifier;\nexports.isJSXMemberExpression = isJSXMemberExpression;\nexports.isJSXNamespacedName =
isJSXNamespacedName;\nexports.isJSXOpeningElement = isJSXOpeningElement;\nexports.isJSXSpreadAttribute
= isJSXSpreadAttribute;\nexports.isJSXText = isJSXText;\nexports.isJSXFragment =
isJSXFragment;\nexports.isJSXOpeningFragment = isJSXOpeningFragment;\nexports.isJSXClosingFragment =
isJSXClosingFragment;\nexports.isNoop = isNoop;\nexports.isPlaceholder =
isPlaceholder;\nexports.isV8IntrinsicIdentifier = isV8IntrinsicIdentifier;\nexports.isArgumentPlaceholder =
isArgumentPlaceholder;\nexports.isBindExpression = isBindExpression;\nexports.isClassProperty
= isClassProperty;\nexports.isPipelineTopicExpression =
isPipelineTopicExpression;\nexports.isPipelineBareFunction =
isPipelineBareFunction;\nexports.isPipelinePrimaryTopicReference =
isPipelinePrimaryTopicReference;\nexports.isClassPrivateProperty =
isClassPrivateProperty;\nexports.isClassPrivateMethod = isClassPrivateMethod;\nexports.isImportAttribute =
isImportAttribute;\nexports.isDecorator = isDecorator;\nexports.isDoExpression =
isDoExpression;\nexports.isExportDefaultSpecifier = isExportDefaultSpecifier;\nexports.isPrivateName =
isPrivateName;\nexports.isRecordExpression = isRecordExpression;\nexports.isTupleExpression =
isTupleExpression;\nexports.isDecimalLiteral = isDecimalLiteral;\nexports.isStaticBlock =
isStaticBlock;\nexports.isModuleExpression = isModuleExpression;\nexports.isTSParameterProperty =
isTSParameterProperty;\nexports.isTSDeclareFunction = isTSDeclareFunction;\nexports.isTSDeclareMethod =
isTSDeclareMethod;\nexports.isTSQualifiedName
= isTSQualifiedName;\nexports.isTSCallSignatureDeclaration =
isTSCallSignatureDeclaration;\nexports.isTSConstructSignatureDeclaration =
isTSConstructSignatureDeclaration;\nexports.isTSPropertySignature =
isTSPropertySignature;\nexports.isTSMMethodSignature = isTSMMethodSignature;\nexports.isTSIndexSignature =
isTSIndexSignature;\nexports.isTSAnyKeyword = isTSAnyKeyword;\nexports.isTSBooleanKeyword =
isTSBooleanKeyword;\nexports.isTSBigIntKeyword = isTSBigIntKeyword;\nexports.isTSIntrinsicKeyword =
isTSIntrinsicKeyword;\nexports.isTSNeverKeyword = isTSNeverKeyword;\nexports.isTSNullKeyword =
isTSNullKeyword;\nexports.isTSNumberKeyword = isTSNumberKeyword;\nexports.isTSObjectKeyword =
isTSObjectKeyword;\nexports.isTSStringKeyword = isTSStringKeyword;\nexports.isTSSymbolKeyword =
isTSSymbolKeyword;\nexports.isTSUndefinedKeyword =
isTSUndefinedKeyword;\nexports.isTSUnknownKeyword = isTSUnknownKeyword;\nexports.isTSVoidKeyword =
isTSVoidKeyword;\nexports.isTSThisType = isTSThisType;\nexports.isTSFunctionType
= isTSFunctionType;\nexports.isTSConstructorType = isTSConstructorType;\nexports.isTSTypeReference =
isTSTypeReference;\nexports.isTSTypePredicate = isTSTypePredicate;\nexports.isTSTypeQuery =
isTSTypeQuery;\nexports.isTSTypeLiteral = isTSTypeLiteral;\nexports.isTSArrayType =
isTSArrayType;\nexports.isTSTupleType = isTSTupleType;\nexports.isTSOptionalType =
isTSOptionalType;\nexports.isTSRestType = isTSRestType;\nexports.isTSNamedTupleMember =
isTSNamedTupleMember;\nexports.isTSUnionType = isTSUnionType;\nexports.isTSIntersectionType =

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isTSIntersectionType;\nexports.isTSConditionalType = isTSConditionalType;\nexports.isTSInferType =
isTSInferType;\nexports.isTSParenthesizedType = isTSParenthesizedType;\nexports.isTSTypeOperator =
isTSTypeOperator;\nexports.isTSIndexedAccessType = isTSIndexedAccessType;\nexports.isTSMappedType =
isTSMappedType;\nexports.isTSLiteralType = isTSLiteralType;\nexports.isTSExpressionWithTypeArguments =
isTSExpressionWithTypeArguments;\nexports.isTSInterfaceDeclaration
= isTSInterfaceDeclaration;\nexports.isTSInterfaceBody = isTSInterfaceBody;\nexports.isTSTypeAliasDeclaration
= isTSTypeAliasDeclaration;\nexports.isTSAsExpression = isTSAsExpression;\nexports.isTSTypeAssertion =
isTSTypeAssertion;\nexports.isTSEnumDeclaration = isTSEnumDeclaration;\nexports.isTSEnumMember =
isTSEnumMember;\nexports.isTSModuleDeclaration = isTSModuleDeclaration;\nexports.isTSModuleBlock =
isTSModuleBlock;\nexports.isTSImportType = isTSImportType;\nexports.isTSImportEqualsDeclaration =
isTSImportEqualsDeclaration;\nexports.isTSExternalModuleReference =
isTSExternalModuleReference;\nexports.isTSNonNullExpression =
isTSNonNullExpression;\nexports.isTSExportAssignment =
isTSExportAssignment;\nexports.isTSNamespaceExportDeclaration =
isTSNamespaceExportDeclaration;\nexports.isTSTypeAnnotation =
isTSTypeAnnotation;\nexports.isTSTypeParameterInstantiation =
isTSTypeParameterInstantiation;\nexports.isTSTypeParameterDeclaration =
isTSTypeParameterDeclaration;\nexports.isTSTypeParameter
= isTSTypeParameter;\nexports.isExpression = isExpression;\nexports.isBinary = isBinary;\nexports.isScopable =
isScopable;\nexports.isBlockParent = isBlockParent;\nexports.isBlock = isBlock;\nexports.isStatement =
isStatement;\nexports.isTerminatorless = isTerminatorless;\nexports.isCompletionStatement =
isCompletionStatement;\nexports.isConditional = isConditional;\nexports.isLoop = isLoop;\nexports.isWhile =
isWhile;\nexports.isExpressionWrapper = isExpressionWrapper;\nexports.isFor = isFor;\nexports.isForXStatement
= isForXStatement;\nexports.isFunction = isFunction;\nexports.isFunctionParent =
isFunctionParent;\nexports.isPureish = isPureish;\nexports.isDeclaration = isDeclaration;\nexports.isPatternLike =
isPatternLike;\nexports.isLVal = isLVal;\nexports.isTSEntityName = isTSEntityName;\nexports.isLiteral =
isLiteral;\nexports.isImmutable = isImmutable;\nexports.isUserWhitespacable =
isUserWhitespacable;\nexports.isMethod = isMethod;\nexports.isObjectMember
= isObjectMember;\nexports.isProperty = isProperty;\nexports.isUnaryLike = isUnaryLike;\nexports.isPattern =
isPattern;\nexports.isClass = isClass;\nexports.isModuleDeclaration =
isModuleDeclaration;\nexports.isExportDeclaration = isExportDeclaration;\nexports.isModuleSpecifier =
isModuleSpecifier;\nexports.isFlow = isFlow;\nexports.isFlowType = isFlowType;\nexports.isFlowBaseAnnotation
= isFlowBaseAnnotation;\nexports.isFlowDeclaration = isFlowDeclaration;\nexports.isFlowPredicate =
isFlowPredicate;\nexports.isEnumBody = isEnumBody;\nexports.isEnumMember =
isEnumMember;\nexports.isJSX = isJSX;\nexports.isPrivate = isPrivate;\nexports.isTSTypeElement =
isTSTypeElement;\nexports.isTSType = isTSType;\nexports.isTSBaseType =
isTSBaseType;\nexports.isNumberLiteral = isNumberLiteral;\nexports.isRegexLiteral =
isRegexLiteral;\nexports.isRestProperty = isRestProperty;\nexports.isSpreadProperty = isSpreadProperty;\n\ninvar
_shallowEqual = require(\"../utils/shallowEqual\");\n\nfunction
isArrayExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n \n if (nodeType ===
\"ArrayExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n \n return false;\n}\n\nfunction isArrayAssignmentExpression(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n \n if (nodeType === \"AssignmentExpression\") {\n \n
if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n \n return false;\n}\n\nfunction isBinaryExpression(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n \n if (nodeType === \"BinaryExpression\") {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n \n return
false;\n}\n\nfunction isInterpreterDirective(node, opts) {\n if

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(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"InterpreterDirective\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n return false;\n}\n\nfunction isDirective(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"Directive\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isDirectiveLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"DirectiveLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isBlockStatement(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"BlockStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isBreakStatement(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"BreakStatement\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n
return false;\n}\n\nfunction isCallExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"CallExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n
} else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isCatchClause(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"CatchClause\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isConditionalExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ConditionalExpression\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isContinueStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"ContinueStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isDebuggerStatement(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DebuggerStatement\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isDoWhileStatement(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DoWhileStatement\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isEmptyStatement(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n\n if (nodeType === \"EmptyStatement\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isExpressionStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"ExpressionStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isFile(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"File\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isForInStatement(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ForInStatement\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n
return false;\n}\n\nfunction isForStatement(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ForStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isFunctionDeclaration(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === \"FunctionDeclaration\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isFunctionExpression(node, opts) {\n if (!node) return false;\n const nodeType =

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node.type;\n\n if (nodeType === \"FunctionExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isIdentifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"Identifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isIfStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"IfStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isLabeledStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"LabeledStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isStringLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"StringLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isNumericLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"NumericLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isNullLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"NullLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isBooleanLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"BooleanLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isRegExpLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"RegExpLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isLogicalExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"LogicalExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isMemberExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"MemberExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isNewExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"NewExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isProgram(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"Program\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isObjectExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ObjectExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isObjectMethod(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ObjectMethod\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isObjectProperty(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ObjectProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isRestElement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"RestElement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isReturnStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ReturnStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n

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return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isSequenceExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType ===
\"SequenceExpression\") {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isParenthesizedExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"ParenthesizedExpression\") {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isSwitchCase(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"SwitchCase\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isSwitchStatement(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"SwitchStatement\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isThisExpression(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n if (nodeType === \"ThisExpression\") {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isThrowStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"ThrowStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTryStatement(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"TryStatement\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n return false;\n}\n\nfunction isUnaryExpression(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"UnaryExpression\") {\n
if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isUpdateExpression(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n if (nodeType === \"UpdateExpression\") {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isVariableDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"VariableDeclaration\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isVariableDeclarator(node, opts) {\n if (!node) return false;\n
 const nodeType = node.type;\n if (nodeType === \"VariableDeclarator\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isWhileStatement(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"WhileStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isWithStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType ===
\"WithStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isAssignmentPattern(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"AssignmentPattern\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isArrayPattern(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n if (nodeType === \"ArrayPattern\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isArrowFunctionExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"ArrowFunctionExpression\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isClassBody(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"ClassBody\") {\n if (typeof opts === \"undefined\") {\n

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 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isClassExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"ClassExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction isClassDeclaration(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"ClassDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n return false;\n}\n\nfunction isExportAllDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"ExportAllDeclaration\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n return false;\n}\n\nfunction isExportDefaultDeclaration(node, opts) {\n if (!node) return
false;\n const nodeType = node.type;\n if (nodeType === \"ExportDefaultDeclaration\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return
false;\n}\n\nfunction isExportNamedDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"ExportNamedDeclaration\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return
false;\n}\n\nfunction isExportSpecifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"ExportSpecifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction isForOfStatement(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n if (nodeType === \"ForOfStatement\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return
false;\n}\n\nfunction isImportDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"ImportDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction
isImportDefaultSpecifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType
=== \"ImportDefaultSpecifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction
isImportNamespaceSpecifier(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType ===
\"ImportNamespaceSpecifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction isImportSpecifier(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n if (nodeType === \"ImportSpecifier\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return
false;\n}\n\nfunction isMetaProperty(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"MetaProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction
isClassMethod(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType ===
\"ClassMethod\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return
false;\n}\n\nfunction isObjectPattern(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"ObjectPattern\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction isSpreadElement(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n if (nodeType === \"SpreadElement\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return
false;\n}\n\nfunction isSuper(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"Super\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return
false;\n}\n\nfunction isTaggedTemplateExpression(node, opts) {\n if (!node) return false;\n const nodeType

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= node.type;\n\n if (nodeType === \"TaggedTemplateExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
false;\n}\n\nfunction isTemplateElement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TemplateElement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isTemplateLiteral(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TemplateLiteral\") {\n if
(typeof opts === \"undefined\") {\n return true;\n }
 } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isYieldExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"YieldExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isAwaitExpression(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"AwaitExpression\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}
}\n\n return false;\n}\n\nfunction isImport(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"Import\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n
return false;\n}\n\nfunction isBigIntLiteral(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"BigIntLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isExportNamespaceSpecifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"ExportNamespaceSpecifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isOptionalMemberExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"OptionalMemberExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isOptionalCallExpression(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"OptionalCallExpression\")
{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n}\n\n return false;\n}\n\nfunction isAnyTypeAnnotation(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === \"AnyTypeAnnotation\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n
return false;\n}\n\nfunction isArrayTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ArrayTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isBooleanTypeAnnotation(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"BooleanTypeAnnotation\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n}\n\n return false;\n}\n\nfunction isBooleanLiteralTypeAnnotation(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === \"BooleanLiteralTypeAnnotation\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n
return false;\n}\n\nfunction isNullLiteralTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n\n if (nodeType === \"NullLiteralTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
false;\n}\n\nfunction isClassImplements(node, opts) {\n if (!node) return
false;\n const nodeType = node.type;\n\n if (nodeType === \"ClassImplements\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n
return false;\n}\n\nfunction isDeclareClass(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"DeclareClass\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
}

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 if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,\n\nopts);\n }\n }\n}\n\nreturn false;\n}\n\nfunction isStringTypeAnnotation(node, opts) {\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType === "StringTypeAnnotation") {\n if (typeof opts ===\n\n"undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isSymbolTypeAnnotation(node, opts) {\n if (!node) return false;\n\nconst nodeType =\n\nnode.type;\n\nif (nodeType === "SymbolTypeAnnotation") {\n if (typeof opts === "undefined") {\n return\ntrue;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction\n\nisThisTypeAnnotation(node, opts) {\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType ===\n\n"ThisTypeAnnotation") {\n if (typeof opts === "undefined")\n\n{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn\nfalse;\n}\n\nfunction isTupleTypeAnnotation(node, opts) {\n if (!node) return false;\n\nconst nodeType =\n\nnode.type;\n\nif (nodeType === "TupleTypeAnnotation") {\n if (typeof opts === "undefined") {\n return\ntrue;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction\n\nisTypeofTypeAnnotation(node, opts) {\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType\n=== "TypeofTypeAnnotation") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return\n(0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isTypeAlias(node, opts) {\n if\n(!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType === "TypeAlias") {\n if (typeof opts ===\n\n"undefined") {\n return true;\n } else {\n return (0,\n\n_shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isTypeAnnotation(node, opts) {\n if\n(!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType === "TypeAnnotation") {\n if (typeof opts\n=== "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n}\n\nreturn false;\n}\n\nfunction isTypeCastExpression(node, opts) {\n if (!node) return false;\n\nconst nodeType =\n\nnode.type;\n\nif (nodeType === "TypeCastExpression") {\n if (typeof opts === "undefined") {\n return\ntrue;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction\n\nisTypeParameter(node, opts) {\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType ===\n\n"TypeParameter") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,\n\n_shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction\n\nisTypeParameterDeclaration(node, opts) {\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif\n\n(nodeType === "TypeParameterDeclaration") {\n if (typeof opts === "undefined") {\n return true;\n } else\n{\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction\n\nisTypeParameterInstantiation(node, opts) {\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif\n\n(nodeType === "TypeParameterInstantiation") {\n if (typeof opts === "undefined") {\n return true;\n }\nelse {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction\n\nisUnionTypeAnnotation(node, opts) {\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType\n=== "UnionTypeAnnotation") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return\n(0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction\n\nisVariance(node, opts) {\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType ===\n\n"Variance") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,\n\n_shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isVoidTypeAnnotation(node, opts)\n{\n if (!node) return false;\n\nconst nodeType = node.type;\n\nif (nodeType === "VoidTypeAnnotation") {\n if\n(typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n}\n\nreturn false;\n}\n\nfunction isEnumDeclaration(node, opts) {\n if (!node) return false;\n\nconst nodeType\n= node.type;\n\nif (nodeType === "EnumDeclaration") {\n if (typeof opts === "undefined") {\n return\ntrue;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction\n\nisEnumBooleanBody(node, opts) {\n if (!node) return false;\n\nconst\n\nnodeType = node.type;\n\nif (nodeType === "EnumBooleanBody") {\n if (typeof opts === "undefined") {\n return\ntrue;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn\nfalse;\n}\n\nfunction isEnumNumberBody(node, opts) {\n if (!node) return false;\n\nconst nodeType =

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=== \"JSXNamespacedName\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isJSXOpeningElement(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXOpeningElement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isJSXSpreadAttribute(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"JSXSpreadAttribute\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isJSXText(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXText\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isJSXFragment(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"JSXFragment\") {\n if (typeof opts === \"undefined\")
{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isJSXOpeningFragment(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"JSXOpeningFragment\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isJSXClosingFragment(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"JSXClosingFragment\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isNoop(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n\n if (nodeType === \"Noop\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isPlaceholder(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"Placeholder\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isV8IntrinsicIdentifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"V8IntrinsicIdentifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isArgumentPlaceholder(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ArgumentPlaceholder\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction
isBindExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"BindExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isClassProperty(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ClassProperty\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n
\n return false;\n}\n\nfunction isPipelineTopicExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"PipelineTopicExpression\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isPipelineBareFunction(node, opts) {\n
 if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"PipelineBareFunction\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isPipelinePrimaryTopicReference(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === \"PipelinePrimaryTopicReference\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n
\n return false;\n}\n\nfunction isClassPrivateProperty(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ClassPrivateProperty\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction
isClassPrivateMethod(node, opts) {\n if (!node) return

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false;\n const nodeType = node.type;\n\n if (nodeType === \"ClassPrivateMethod\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isImportAttribute(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ImportAttribute\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isDecorator(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"Decorator\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isDoExpression(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DoExpression\")
{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isExportDefaultSpecifier(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === \"ExportDefaultSpecifier\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isPrivateName(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"PrivateName\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isRecordExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"RecordExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTupleExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"TupleExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isDecimalLiteral(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DecimalLiteral\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }
}\n }\n\n return false;\n}\n\nfunction isStaticBlock(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"StaticBlock\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isModuleExpression(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === \"ModuleExpression\") {\n if (typeof opts === \"undefined\")
{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTSParameterProperty(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSParameterProperty\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSDeclareFunction(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSDeclareFunction\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSDeclareMethod(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSDeclareMethod\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSQualifiedName(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSQualifiedName\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }
}\n\n return false;\n}\n\nfunction isTSCallSignatureDeclaration(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"TSCallSignatureDeclaration\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isTSConstructSignatureDeclaration(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSConstructSignatureDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction

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node.type;\n\n if (nodeType === \"TSFunctionType\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n return false;\n}\n\n\nfunction
isTSConstructorType(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n\n if (nodeType === \"TSConstructorType\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n\n return false;\n}\n\n\nfunction
isTSTypeReference(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSTypeReference\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n\n return false;\n}\n\n\nfunction isTSTypePredicate(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSTypePredicate\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n\n return false;\n}\n\n\nfunction isTSTypeQuery(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSTypeQuery\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n\n return false;\n}\n\n\nfunction isTSTypeLiteral(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSTypeLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n
} else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n\n return false;\n}\n\n\nfunction
isTSArrayType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSArrayType\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n\n return false;\n}\n\n\nfunction isTSTupleType(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSTupleType\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n }\n\n\n return false;\n}\n\n\nfunction isTSOptionalType(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSOptionalType\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n\n return false;\n}\n\n\nfunction isTSRestType(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSRestType\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n\n return false;\n}\n\n\nfunction
isTSNamedTupleMember(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"TSNamedTupleMember\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n\n return false;\n}\n\n\nfunction
isTSUnionType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSUnionType\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n }\n\n\n return false;\n}\n\n\nfunction isTSIntersectionType(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSIntersectionType\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n }\n\n\n return false;\n}\n\n\nfunction isTSConditionalType(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"TSConditionalType\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n\n return
false;\n}\n\n\nfunction isTSInferType(node, opts) {\n if (!node) return
false;\n const nodeType = node.type;\n\n if (nodeType === \"TSInferType\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n
}\n\n\n return false;\n}\n\n\nfunction isTSParenthesizedType(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSParenthesizedType\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n\n return false;\n}\n\n\nfunction
isTSTypeOperator(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSTypeOperator\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n }\n\n\n return false;\n}\n\n\nfunction isTSIndexedAccessType(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===

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 \"TSIndexedAccessType\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
 _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSMappedType(node, opts) {\n if
 (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSMappedType\") {\n if (typeof opts
 === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSLiteralType(node, opts) {\n if (!node) return false;\n const nodeType =
 node.type;\n\n if (nodeType === \"TSLiteralType\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
 } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
 isTSExpressionWithTypeArguments(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
 (nodeType === \"TSExpressionWithTypeArguments\") {\n if (typeof opts
 === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSInterfaceDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
 node.type;\n\n if (nodeType === \"TSInterfaceDeclaration\") {\n if (typeof opts === \"undefined\") {\n return
 true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
 isTSInterfaceBody(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
 \"TSInterfaceBody\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
 _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSTypeAliasDeclaration(node,
 opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
 \"TSTypeAliasDeclaration\") {\n if (typeof opts === \"undefined\") {\n return
 true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
 isTSAsExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
 \"TSAsExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
 _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSTypeAssertion(node, opts) {\n if
 (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSTypeAssertion\") {\n if (typeof
 opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSEnumDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
 node.type;\n\n if (nodeType === \"TSEnumDeclaration\") {\n if (typeof opts === \"undefined\") {\n return
 true;\n } else {\n return (0, _shallowEqual.default)(node,
 opts);\n }\n }\n\n return false;\n}\n\nfunction isTSEnumMember(node, opts) {\n if (!node) return false;\n const
 nodeType = node.type;\n\n if (nodeType === \"TSEnumMember\") {\n if (typeof opts === \"undefined\") {\n return
 true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSModuleDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
 node.type;\n\n if (nodeType === \"TSModuleDeclaration\") {\n if (typeof opts === \"undefined\") {\n return
 true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
 isTSModuleBlock(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
 \"TSModuleBlock\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
 _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSImportType(node,
 opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSImportType\") {\n if
 (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSImportEqualsDeclaration(node, opts) {\n if (!node) return false;\n const
 nodeType = node.type;\n\n if (nodeType === \"TSImportEqualsDeclaration\") {\n if (typeof opts ===
 \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSExternalModuleReference(node, opts) {\n if (!node) return false;\n const
 nodeType = node.type;\n\n if (nodeType === \"TSExternalModuleReference\") {\n if (typeof opts ===
 \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSNonNullExpression(node, opts) {\n if
 (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSNonNullExpression\") {\n if
 (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSExportAssignment(node, opts) {\n if (!node) return false;\n const

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nodeType = node.type;\n\n if (nodeType === \"TSExportAssignment\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n\n return
false;\n}\n\nfunction isTSNamespaceExportDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSNamespaceExportDeclaration\") {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTSTypeAnnotation(node, opts) {\n if (!node) return false;\n
 const nodeType = node.type;\n\n if (nodeType === \"TSTypeAnnotation\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTSTypeParameterInstantiation(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"TSTypeParameterInstantiation\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTSTypeParameterDeclaration(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"TSTypeParameterDeclaration\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTSTypeParameter(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n\n if (nodeType === \"TSTypeParameter\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (\"ArrayExpression\"
=== nodeType || \"AssignmentExpression\" === nodeType || \"BinaryExpression\" === nodeType ||
\"CallExpression\" === nodeType || \"ConditionalExpression\" === nodeType || \"FunctionExpression\" ===
nodeType || \"Identifier\" === nodeType || \"StringLiteral\" === nodeType || \"NumericLiteral\" === nodeType ||
\"NullLiteral\" === nodeType || \"BooleanLiteral\" === nodeType || \"RegExpLiteral\" === nodeType ||
\"LogicalExpression\" === nodeType || \"MemberExpression\" === nodeType || \"NewExpression\" === nodeType
|| \"ObjectExpression\" === nodeType || \"SequenceExpression\" === nodeType || \"ParenthesizedExpression\" ===
nodeType || \"ThisExpression\"
=== nodeType || \"UnaryExpression\" === nodeType || \"UpdateExpression\" === nodeType ||
\"ArrowFunctionExpression\" === nodeType || \"ClassExpression\" === nodeType || \"MetaProperty\" ===
nodeType || \"Super\" === nodeType || \"TaggedTemplateExpression\" === nodeType || \"TemplateLiteral\" ===
nodeType || \"YieldExpression\" === nodeType || \"AwaitExpression\" === nodeType || \"Import\" === nodeType ||
\"BigIntLiteral\" === nodeType || \"OptionalMemberExpression\" === nodeType || \"OptionalCallExpression\" ===
nodeType || \"TypeCastExpression\" === nodeType || \"JSXElement\" === nodeType || \"JSXFragment\" ===
nodeType || \"BindExpression\" === nodeType || \"PipelinePrimaryTopicReference\" === nodeType ||
\"DoExpression\" === nodeType || \"RecordExpression\" === nodeType || \"TupleExpression\" === nodeType ||
\"DecimalLiteral\" === nodeType || \"ModuleExpression\" === nodeType || \"TSAsExpression\" === nodeType ||
\"TSTypeAssertion\" === nodeType || \"TSNonNullExpression\"
=== nodeType || nodeType === \"Placeholder\" && (\"Expression\" === node.expectedNode || \"Identifier\" ===
node.expectedNode || \"StringLiteral\" === node.expectedNode)) {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isBinary(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(\"BinaryExpression\" === nodeType || \"LogicalExpression\" === nodeType) {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isScopable(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(\"BlockStatement\" === nodeType || \"CatchClause\" === nodeType || \"DoWhileStatement\" === nodeType ||
\"ForInStatement\" === nodeType || \"ForStatement\" === nodeType || \"FunctionDeclaration\" === nodeType ||
\"FunctionExpression\"
=== nodeType || \"Program\" === nodeType || \"ObjectMethod\" === nodeType || \"SwitchStatement\" ===
nodeType || \"WhileStatement\" === nodeType || \"ArrowFunctionExpression\" === nodeType ||
\"ClassExpression\" === nodeType || \"ClassDeclaration\" === nodeType || \"ForOfStatement\" === nodeType ||

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"ClassMethod\" === nodeType || "ClassPrivateMethod\" === nodeType || "StaticBlock\" === nodeType ||
"TSModuleBlock\" === nodeType || nodeType === "Placeholder\" && "BlockStatement\" ===
node.expectedNode) {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isBlockParent(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if ("BlockStatement" === nodeType || "CatchClause"
=== nodeType || "DoWhileStatement" === nodeType || "ForInStatement" === nodeType || "ForStatement" ===
nodeType || "FunctionDeclaration"
=== nodeType || "FunctionExpression" === nodeType || "Program" === nodeType || "ObjectMethod" ===
nodeType || "SwitchStatement" === nodeType || "WhileStatement" === nodeType ||
"ArrowFunctionExpression" === nodeType || "ForOfStatement" === nodeType || "ClassMethod" ===
nodeType || "ClassPrivateMethod" === nodeType || "StaticBlock" === nodeType || "TSModuleBlock" ===
nodeType || nodeType === "Placeholder\" && "BlockStatement\" === node.expectedNode) {\n if (typeof opts
=== "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isBlock(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
("BlockStatement" === nodeType || "Program" === nodeType || "TSModuleBlock" === nodeType || nodeType
=== "Placeholder\" && "BlockStatement\" === node.expectedNode) {\n if (typeof opts === "undefined") {\n
return true;\n } else {\n
 return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isStatement(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if ("BlockStatement" === nodeType ||
"BreakStatement" === nodeType || "ContinueStatement" === nodeType || "DebuggerStatement" === nodeType
|| "DoWhileStatement" === nodeType || "EmptyStatement" === nodeType || "ExpressionStatement" ===
nodeType || "ForInStatement" === nodeType || "ForStatement" === nodeType || "FunctionDeclaration" ===
nodeType || "IfStatement" === nodeType || "LabeledStatement" === nodeType || "ReturnStatement" ===
nodeType || "SwitchStatement" === nodeType || "ThrowStatement" === nodeType || "TryStatement" ===
nodeType || "VariableDeclaration" === nodeType || "WhileStatement" === nodeType || "WithStatement" ===
nodeType || "ClassDeclaration" === nodeType || "ExportAllDeclaration" === nodeType ||
"ExportDefaultDeclaration" === nodeType || "ExportNamedDeclaration"
=== nodeType || "ForOfStatement" === nodeType || "ImportDeclaration" === nodeType || "DeclareClass" ===
nodeType || "DeclareFunction" === nodeType || "DeclareInterface" === nodeType || "DeclareModule" ===
nodeType || "DeclareModuleExports" === nodeType || "DeclareTypeAlias" === nodeType ||
"DeclareOpaqueType" === nodeType || "DeclareVariable" === nodeType || "DeclareExportDeclaration" ===
nodeType || "DeclareExportAllDeclaration" === nodeType || "InterfaceDeclaration" === nodeType ||
"OpaqueType" === nodeType || "TypeAlias" === nodeType || "EnumDeclaration" === nodeType ||
"TSDeclareFunction" === nodeType || "TSInterfaceDeclaration" === nodeType || "TSTypeAliasDeclaration"
=== nodeType || "TSEnumDeclaration" === nodeType || "TSModuleDeclaration" === nodeType ||
"TSImportEqualsDeclaration" === nodeType || "TSExportAssignment" === nodeType ||
"TSNamespaceExportDeclaration" === nodeType || nodeType === "Placeholder"
&& ("Statement" === node.expectedNode || "Declaration" === node.expectedNode || "BlockStatement" ===
node.expectedNode)) {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTerminatorless(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if ("BreakStatement" === nodeType ||
"ContinueStatement" === nodeType || "ReturnStatement" === nodeType || "ThrowStatement" === nodeType ||
"YieldExpression" === nodeType || "AwaitExpression" === nodeType) {\n if (typeof opts === "undefined")
{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isCompletionStatement(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if ("BreakStatement" === nodeType || "ContinueStatement" === nodeType || "ReturnStatement"
=== nodeType

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=== nodeType || \"EnumDeclaration\" === nodeType || \"TSDeclareFunction\" === nodeType ||
\"TSInterfaceDeclaration\" === nodeType || \"TSTypeAliasDeclaration\" === nodeType || \"TSEnumDeclaration\"
=== nodeType || \"TSModuleDeclaration\" === nodeType || nodeType === \"Placeholder\" && \"Declaration\" ===
node.expectedNode) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isPatternLike(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n if (\"Identifier\" === nodeType || \"RestElement\" ===
nodeType || \"AssignmentPattern\" === nodeType || \"ArrayPattern\" === nodeType || \"ObjectPattern\" ===
nodeType || nodeType === \"Placeholder\" && (\"Pattern\" === node.expectedNode || \"Identifier\" ===
node.expectedNode)) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node,
opts);\n } }\n\n return false;\n}\n\nfunction isLVal(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (\"Identifier\" === nodeType || \"MemberExpression\" === nodeType || \"RestElement\" ===
nodeType || \"AssignmentPattern\" === nodeType || \"ArrayPattern\" === nodeType || \"ObjectPattern\" ===
nodeType || \"TSParameterProperty\" === nodeType || nodeType === \"Placeholder\" && (\"Pattern\" ===
node.expectedNode || \"Identifier\" === node.expectedNode)) {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction
isTSEntityName(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (\"Identifier\" ===
nodeType || \"TSQualifiedName\" === nodeType || nodeType === \"Placeholder\" && \"Identifier\" ===
node.expectedNode) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
 return (0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isLiteral(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n if (\"StringLiteral\" === nodeType || \"NumericLiteral\"
=== nodeType || \"NullLiteral\" === nodeType || \"BooleanLiteral\" === nodeType || \"RegExpLiteral\" ===
nodeType || \"TemplateLiteral\" === nodeType || \"BigIntLiteral\" === nodeType || \"DecimalLiteral\" ===
nodeType || nodeType === \"Placeholder\" && \"StringLiteral\" === node.expectedNode) {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n return
false;\n}\n\nfunction isImmutable(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (\"StringLiteral\"
=== nodeType || \"NumericLiteral\" === nodeType || \"NullLiteral\" === nodeType ||
\"BooleanLiteral\" === nodeType || \"BigIntLiteral\" === nodeType || \"JSXAttribute\" ===
nodeType || \"JSXClosingElement\" === nodeType || \"JSXElement\" === nodeType || \"JSXExpressionContainer\"
=== nodeType || \"JSXSpreadChild\" === nodeType || \"JSXOpeningElement\" === nodeType || \"JSXText\" ===
nodeType || \"JSXFragment\" === nodeType || \"JSXOpeningFragment\" === nodeType || \"JSXClosingFragment\"
=== nodeType || \"DecimalLiteral\" === nodeType || nodeType === \"Placeholder\" && \"StringLiteral\" ===
node.expectedNode) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isUserWhitespacable(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n if (\"ObjectMethod\" === nodeType || \"ObjectProperty\"
=== nodeType || \"ObjectTypeInternalSlot\" === nodeType || \"ObjectTypeCallProperty\" === nodeType ||
\"ObjectTypeIndexer\" === nodeType || \"ObjectTypeProperty\" === nodeType || \"ObjectTypeSpreadProperty\"
=== nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node,
opts);\n } }\n\n return false;\n}\n\nfunction isMethod(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n if (\"ObjectMethod\" === nodeType || \"ClassMethod\" === nodeType || \"ClassPrivateMethod\"
=== nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isObjectMember(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n if (\"ObjectMethod\" === nodeType || \"ObjectProperty\"
=== nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isProperty(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n if (\"ObjectProperty\"

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=== nodeType || \"ClassProperty\" === nodeType || \"ClassPrivateProperty\" === nodeType) {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isUnaryLike(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (\"UnaryExpression\" === nodeType || \"SpreadElement\" === nodeType) {\n if (typeof opts === \"undefined\")
{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return
false;\n}\n\nfunction isPattern(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(\"AssignmentPattern\" === nodeType || \"ArrayPattern\" === nodeType || \"ObjectPattern\" === nodeType ||
nodeType === \"Placeholder\" && \"Pattern\" === node.expectedNode) {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction isClass(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (\"ClassExpression\" === nodeType || \"ClassDeclaration\" === nodeType) {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction isModuleDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (\"ExportAllDeclaration\" === nodeType || \"ExportDefaultDeclaration\" === nodeType ||
\"ExportNamedDeclaration\" === nodeType || \"ImportDeclaration\" === nodeType) {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction isExportDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (\"ExportAllDeclaration\" === nodeType || \"ExportDefaultDeclaration\"
=== nodeType || \"ExportNamedDeclaration\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction
isModuleSpecifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(\"ExportSpecifier\" === nodeType || \"ImportDefaultSpecifier\" === nodeType || \"ImportNamespaceSpecifier\"
=== nodeType || \"ImportSpecifier\" === nodeType || \"ExportNamespaceSpecifier\" === nodeType ||
\"ExportDefaultSpecifier\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
 return (0, _shallowEqual.default)(node, opts);\n }\n }\n return false;\n}\n\nfunction isFlow(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n if (\"AnyTypeAnnotation\" === nodeType ||
\"ArrayTypeAnnotation\" === nodeType || \"BooleanTypeAnnotation\" === nodeType ||
\"BooleanLiteralTypeAnnotation\"
=== nodeType || \"NullLiteralTypeAnnotation\" === nodeType || \"ClassImplements\" === nodeType ||
\"DeclareClass\" === nodeType || \"DeclareFunction\" === nodeType || \"DeclareInterface\" === nodeType ||
\"DeclareModule\" === nodeType || \"DeclareModuleExports\" === nodeType || \"DeclareTypeAlias\" ===
nodeType || \"DeclareOpaqueType\" === nodeType || \"DeclareVariable\" === nodeType ||
\"DeclareExportDeclaration\" === nodeType || \"DeclareExportAllDeclaration\" === nodeType ||
\"DeclaredPredicate\" === nodeType || \"ExistsTypeAnnotation\" === nodeType || \"FunctionTypeAnnotation\" ===
nodeType || \"FunctionTypeParam\" === nodeType || \"GenericTypeAnnotation\" === nodeType ||
\"InferredPredicate\" === nodeType || \"InterfaceExtends\" === nodeType || \"InterfaceDeclaration\" === nodeType
|| \"InterfaceTypeAnnotation\" === nodeType || \"IntersectionTypeAnnotation\" === nodeType ||
\"MixedTypeAnnotation\" === nodeType || \"EmptyTypeAnnotation\" === nodeType || \"NullableTypeAnnotation\"
=== nodeType || \"NumberLiteralTypeAnnotation\" === nodeType || \"NumberTypeAnnotation\" === nodeType ||
\"ObjectTypeAnnotation\" === nodeType || \"ObjectTypeInternalSlot\" === nodeType || \"ObjectTypeCallProperty\"
=== nodeType || \"ObjectTypeIndexer\" === nodeType || \"ObjectTypeProperty\" === nodeType ||
\"ObjectTypeSpreadProperty\" === nodeType || \"OpaqueType\" === nodeType || \"QualifiedTypeIdentifier\" ===
nodeType || \"StringLiteralTypeAnnotation\" === nodeType || \"StringTypeAnnotation\" === nodeType ||
\"SymbolTypeAnnotation\" === nodeType || \"ThisTypeAnnotation\" === nodeType || \"TupleTypeAnnotation\"
=== nodeType || \"TypeofTypeAnnotation\" === nodeType || \"TypeAlias\" === nodeType || \"TypeAnnotation\"
=== nodeType || \"TypeCastExpression\" === nodeType || \"TypeParameter\" === nodeType ||
\"TypeParameterDeclaration\" === nodeType || \"TypeParameterInstantiation\" === nodeType ||
\"UnionTypeAnnotation\" === nodeType || \"Variance\" === nodeType || \"VoidTypeAnnotation\"

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=== nodeType || \"IndexedAccessType\" === nodeType || \"OptionalIndexedAccessType\" === nodeType) {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
 }\n }\n\n return false;\n}\n\nfunction isFlowType(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (\"AnyTypeAnnotation\" === nodeType || \"ArrayTypeAnnotation\" === nodeType ||
\"BooleanTypeAnnotation\" === nodeType || \"BooleanLiteralTypeAnnotation\" === nodeType ||
\"NullLiteralTypeAnnotation\" === nodeType || \"ExistsTypeAnnotation\" === nodeType ||
\"FunctionTypeAnnotation\" === nodeType || \"GenericTypeAnnotation\" === nodeType ||
\"InterfaceTypeAnnotation\" === nodeType || \"IntersectionTypeAnnotation\" === nodeType ||
\"MixedTypeAnnotation\" === nodeType || \"EmptyTypeAnnotation\" === nodeType || \"NullableTypeAnnotation\"
=== nodeType || \"NumberLiteralTypeAnnotation\" === nodeType || \"NumberTypeAnnotation\"
=== nodeType || \"ObjectTypeAnnotation\" === nodeType || \"StringLiteralTypeAnnotation\" === nodeType ||
\"StringTypeAnnotation\" === nodeType || \"SymbolTypeAnnotation\" === nodeType || \"ThisTypeAnnotation\"
=== nodeType || \"TupleTypeAnnotation\" === nodeType || \"TypeofTypeAnnotation\" === nodeType ||
\"UnionTypeAnnotation\" === nodeType || \"VoidTypeAnnotation\" === nodeType || \"IndexedAccessType\" ===
nodeType || \"OptionalIndexedAccessType\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction
isFlowBaseAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(\"AnyTypeAnnotation\" === nodeType || \"BooleanTypeAnnotation\" === nodeType ||
\"NullLiteralTypeAnnotation\" === nodeType || \"MixedTypeAnnotation\" === nodeType ||
\"EmptyTypeAnnotation\" === nodeType || \"NumberTypeAnnotation\" === nodeType ||
\"StringTypeAnnotation\" === nodeType || \"SymbolTypeAnnotation\" === nodeType || \"ThisTypeAnnotation\"
=== nodeType || \"VoidTypeAnnotation\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction
isFlowDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (\"DeclareClass\"
=== nodeType || \"DeclareFunction\" === nodeType || \"DeclareInterface\" === nodeType || \"DeclareModule\" ===
nodeType || \"DeclareModuleExports\" === nodeType || \"DeclareTypeAlias\" === nodeType ||
\"DeclareOpaqueType\" === nodeType || \"DeclareVariable\" === nodeType || \"DeclareExportDeclaration\" ===
nodeType || \"DeclareExportAllDeclaration\" === nodeType || \"InterfaceDeclaration\" === nodeType ||
\"OpaqueType\" === nodeType || \"TypeAlias\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isFlowPredicate(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (\"DeclaredPredicate\" === nodeType ||
\"InferredPredicate\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isEnumBody(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (\"EnumBooleanBody\" === nodeType ||
\"EnumNumberBody\" === nodeType || \"EnumStringBody\" === nodeType || \"EnumSymbolBody\" ===
nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isEnumMember(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (\"EnumBooleanMember\" === nodeType ||
\"EnumNumberMember\"
=== nodeType || \"EnumStringMember\" === nodeType || \"EnumDefaultedMember\" === nodeType) {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
 }\n }\n }\n\n return false;\n}\n\nfunction isJSX(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (\"JSXAttribute\" === nodeType || \"JSXClosingElement\" === nodeType || \"JSXElement\" ===
nodeType || \"JSXEmptyExpression\" === nodeType || \"JSXExpressionContainer\" === nodeType ||
\"JSXSpreadChild\" === nodeType || \"JSXIdentifier\" === nodeType || \"JSXMemberExpression\" === nodeType ||
\"JSXNamespacedName\" === nodeType || \"JSXOpeningElement\" === nodeType || \"JSXSpreadAttribute\" ===
nodeType || \"JSXText\" === nodeType || \"JSXFragment\" === nodeType || \"JSXOpeningFragment\" ===

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nodeType || \"JSXClosingFragment\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isPrivate(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n if (\"ClassPrivateProperty\" === nodeType ||
\"ClassPrivateMethod\" === nodeType || \"PrivateName\" === nodeType) {\n if (typeof opts === \"undefined\")
{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTSTypeElement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (\"TSCallSignatureDeclaration\" === nodeType || \"TSConstructSignatureDeclaration\" === nodeType ||
\"TSPropertySignature\" === nodeType || \"TSMethodSignature\" === nodeType || \"TSIndexSignature\" ===
nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n}\n\nreturn false;\n}\n\nfunction isTSType(node, opts) {\n if (!node)
return
false;\n const nodeType = node.type;\n if (\"TSAnyKeyword\" === nodeType || \"TSBooleanKeyword\" ===
nodeType || \"TSBigIntKeyword\" === nodeType || \"TSIntrinsicKeyword\" === nodeType || \"TSNeverKeyword\"
=== nodeType || \"TSNullKeyword\" === nodeType || \"TSNumberKeyword\" === nodeType ||
\"TSObjectKeyword\" === nodeType || \"TSStringKeyword\" === nodeType || \"TSSymbolKeyword\" ===
nodeType || \"TSUndefinedKeyword\" === nodeType || \"TSUnknownKeyword\" === nodeType ||
\"TSVoidKeyword\" === nodeType || \"TSThisType\" === nodeType || \"TSFunctionType\" === nodeType ||
\"TSConstructorType\" === nodeType || \"TSTypeReference\" === nodeType || \"TSTypePredicate\" === nodeType
|| \"TSTypeQuery\" === nodeType || \"TSTypeLiteral\" === nodeType || \"TSArrayType\" === nodeType ||
\"TSTupleType\" === nodeType || \"TSOptionalType\" === nodeType || \"TSRestType\" === nodeType ||
\"TSUnionType\" === nodeType || \"TSIntersectionType\" === nodeType || \"TSConditionalType\" === nodeType ||
\"TSInferType\" === nodeType || \"TSParenthesizedType\" === nodeType || \"TSTypeOperator\" === nodeType ||
\"TSIndexedAccessType\" === nodeType || \"TSMappedType\" === nodeType || \"TSLiteralType\" === nodeType
|| \"TSExpressionWithTypeArguments\" === nodeType || \"TSImportType\" === nodeType) {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n}\n\nreturn false;\n}\n\nfunction isTSBaseType(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (\"TSAnyKeyword\" === nodeType || \"TSBooleanKeyword\" === nodeType ||
\"TSBigIntKeyword\" === nodeType || \"TSIntrinsicKeyword\" === nodeType || \"TSNeverKeyword\" ===
nodeType || \"TSNullKeyword\" === nodeType || \"TSNumberKeyword\" === nodeType || \"TSObjectKeyword\"
=== nodeType || \"TSStringKeyword\" === nodeType || \"TSSymbolKeyword\" === nodeType ||
\"TSUndefinedKeyword\" === nodeType || \"TSUnknownKeyword\" === nodeType ||
\"TSVoidKeyword\" === nodeType || \"TSThisType\" === nodeType || \"TSLiteralType\" === nodeType) {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n}\n\nreturn false;\n}\n\nfunction isNumberLiteral(node, opts) {\n console.trace(\"The node type
NumberLiteral has been renamed to NumericLiteral\");\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"NumberLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n}\n\nreturn false;\n}\n\nfunction isRegexLiteral(node, opts) {\n console.trace(\"The node type RegexLiteral has been renamed to RegExpLiteral\");\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"RegexLiteral\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n}\n\nreturn false;\n}\n\nfunction isRestProperty(node, opts) {\n console.trace(\"The node type
RestProperty has been renamed to RestElement\");\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"RestProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n}\n\nreturn false;\n}\n\nfunction isSpreadProperty(node, opts) {\n console.trace(\"The node type SpreadProperty has been renamed to SpreadElement\");\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"SpreadProperty\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n}\n\nreturn false;\n}\n}\n\n\"use

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strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.isArrayExpression =
isArrayExpression;\nexports.isAssignmentExpression
= isAssignmentExpression;\nexports.isBinaryExpression = isBinaryExpression;\nexports.isInterpreterDirective =
isInterpreterDirective;\nexports.isDirective = isDirective;\nexports.isDirectiveLiteral =
isDirectiveLiteral;\nexports.isBlockStatement = isBlockStatement;\nexports.isBreakStatement =
isBreakStatement;\nexports.isCallExpression = isCallExpression;\nexports.isCatchClause =
isCatchClause;\nexports.isConditionalExpression = isConditionalExpression;\nexports.isContinueStatement =
isContinueStatement;\nexports.isDebuggerStatement = isDebuggerStatement;\nexports.isDoWhileStatement =
isDoWhileStatement;\nexports.isEmptyStatement = isEmptyStatement;\nexports.isExpressionStatement =
isExpressionStatement;\nexports.isFile = isFile;\nexports.isForInStatement =
isForInStatement;\nexports.isForStatement = isForStatement;\nexports.isFunctionDeclaration =
isFunctionDeclaration;\nexports.isFunctionExpression = isFunctionExpression;\nexports.isIdentifier =
isIdentifier;\nexports.isIfStatement
= isIfStatement;\nexports.isLabeledStatement = isLabeledStatement;\nexports.isStringLiteral =
stringLiteral;\nexports.isNumericLiteral = isNumericLiteral;\nexports.isNullLiteral =
isNullLiteral;\nexports.isBooleanLiteral = isBooleanLiteral;\nexports.isRegExpLiteral =
isRegExpLiteral;\nexports.isLogicalExpression = isLogicalExpression;\nexports.isMemberExpression =
isMemberExpression;\nexports.isNewExpression = isNewExpression;\nexports.isProgram =
isProgram;\nexports.isObjectExpression = isObjectExpression;\nexports.isObjectMethod =
isObjectMethod;\nexports.isObjectProperty = isObjectProperty;\nexports.isRestElement =
isRestElement;\nexports.isReturnStatement = isReturnStatement;\nexports.isSequenceExpression =
isSequenceExpression;\nexports.isParenthesizedExpression = isParenthesizedExpression;\nexports.isSwitchCase =
isSwitchCase;\nexports.isSwitchStatement = isSwitchStatement;\nexports.isThisExpression =
isThisExpression;\nexports.isThrowStatement = isThrowStatement;\nexports.isTryStatement
= isTryStatement;\nexports.isUnaryExpression = isUnaryExpression;\nexports.isUpdateExpression =
isUpdateExpression;\nexports.isVariableDeclaration = isVariableDeclaration;\nexports.isVariableDeclarator =
isVariableDeclarator;\nexports.isWhileStatement = isWhileStatement;\nexports.isWithStatement =
isWithStatement;\nexports.isAssignmentPattern = isAssignmentPattern;\nexports.isArrayPattern =
isArrayPattern;\nexports.isArrowFunctionExpression = isArrowFunctionExpression;\nexports.isClassBody =
isClassBody;\nexports.isClassExpression = isClassExpression;\nexports.isClassDeclaration =
isClassDeclaration;\nexports.isExportAllDeclaration = isExportAllDeclaration;\nexports.isExportDefaultDeclaration =
isExportDefaultDeclaration;\nexports.isExportNamedDeclaration =
isExportNamedDeclaration;\nexports.isExportSpecifier = isExportSpecifier;\nexports.isForOfStatement =
isForOfStatement;\nexports.isImportDeclaration = isImportDeclaration;\nexports.isImportDefaultSpecifier =
isImportDefaultSpecifier;\nexports.isImportNamespaceSpecifier
= isImportNamespaceSpecifier;\nexports.isImportSpecifier = isImportSpecifier;\nexports.isMetaProperty =
isMetaProperty;\nexports.isClassMethod = isClassMethod;\nexports.isObjectPattern =
isObjectPattern;\nexports.isSpreadElement = isSpreadElement;\nexports.isSuper =
isSuper;\nexports.isTaggedTemplateExpression = isTaggedTemplateExpression;\nexports.isTemplateElement =
isTemplateElement;\nexports.isTemplateLiteral = isTemplateLiteral;\nexports.isYieldExpression =
isYieldExpression;\nexports.isAwaitExpression = isAwaitExpression;\nexports.isImport =
isImport;\nexports.isBigIntLiteral = isBigIntLiteral;\nexports.isExportNamespaceSpecifier =
isExportNamespaceSpecifier;\nexports.isOptionalMemberExpression =
isOptionalMemberExpression;\nexports.isOptionalCallExpression =
isOptionalCallExpression;\nexports.isAnyTypeAnnotation =
isAnyTypeAnnotation;\nexports.isArrayTypeAnnotation =
isArrayTypeAnnotation;\nexports.isBooleanTypeAnnotation =
isBooleanTypeAnnotation;\nexports.isBooleanLiteralTypeAnnotation

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= isBooleanLiteralTypeAnnotation;\nexports.isNullLiteralTypeAnnotation =
isNullLiteralTypeAnnotation;\nexports.isClassImplements = isClassImplements;\nexports.isDeclareClass =
isDeclareClass;\nexports.isDeclareFunction = isDeclareFunction;\nexports.isDeclareInterface =
isDeclareInterface;\nexports.isDeclareModule = isDeclareModule;\nexports.isDeclareModuleExports =
isDeclareModuleExports;\nexports.isDeclareTypeAlias = isDeclareTypeAlias;\nexports.isDeclareOpaqueType =
isDeclareOpaqueType;\nexports.isDeclareVariable = isDeclareVariable;\nexports.isDeclareExportDeclaration =
isDeclareExportDeclaration;\nexports.isDeclareExportAllDeclaration =
isDeclareExportAllDeclaration;\nexports.isDeclaredPredicate =
isDeclaredPredicate;\nexports.isExistsTypeAnnotation =
isExistsTypeAnnotation;\nexports.isFunctionTypeAnnotation =
isFunctionTypeAnnotation;\nexports.isFunctionTypeParam =
isFunctionTypeParam;\nexports.isGenericTypeAnnotation =
isGenericTypeAnnotation;\nexports.isInferredPredicate = isInferredPredicate;\nexports.isInterfaceExtends =
isInterfaceExtends;\nexports.isInterfaceDeclaration = isInterfaceDeclaration;\nexports.isInterfaceTypeAnnotation =
isInterfaceTypeAnnotation;\nexports.isIntersectionTypeAnnotation =
isIntersectionTypeAnnotation;\nexports.isMixedTypeAnnotation =
isMixedTypeAnnotation;\nexports.isEmptyTypeAnnotation =
isEmptyTypeAnnotation;\nexports.isNullableTypeAnnotation =
isNullableTypeAnnotation;\nexports.isNumberLiteralTypeAnnotation =
isNumberLiteralTypeAnnotation;\nexports.isNumberTypeAnnotation =
isNumberTypeAnnotation;\nexports.isObjectTypeAnnotation =
isObjectTypeAnnotation;\nexports.isObjectTypeInternalSlot =
isObjectTypeInternalSlot;\nexports.isObjectTypeCallProperty =
isObjectTypeCallProperty;\nexports.isObjectTypeIndexer = isObjectTypeIndexer;\nexports.isObjectTypeProperty =
isObjectTypeProperty;\nexports.isObjectTypeSpreadProperty =
isObjectTypeSpreadProperty;\nexports.isOpaqueType =
isOpaqueType;\nexports.isQualifiedTypeIdentifier =
isQualifiedTypeIdentifier;\nexports.isStringLiteralTypeAnnotation =
isStringLiteralTypeAnnotation;\nexports.isStringTypeAnnotation =
isStringTypeAnnotation;\nexports.isSymbolTypeAnnotation =
isSymbolTypeAnnotation;\nexports.isThisTypeAnnotation =
isThisTypeAnnotation;\nexports.isTupleTypeAnnotation =
isTupleTypeAnnotation;\nexports.isTypeofTypeAnnotation = isTypeofTypeAnnotation;\nexports.isTypeAlias =
isTypeAlias;\nexports.isTypeAnnotation = isTypeAnnotation;\nexports.isTypeCastExpression =
isTypeCastExpression;\nexports.isTypeParameter = isTypeParameter;\nexports.isTypeParameterDeclaration =
isTypeParameterDeclaration;\nexports.isTypeParameterInstantiation =
isTypeParameterInstantiation;\nexports.isUnionTypeAnnotation = isUnionTypeAnnotation;\nexports.isVariance =
isVariance;\nexports.isVoidTypeAnnotation = isVoidTypeAnnotation;\nexports.isEnumDeclaration =
isEnumDeclaration;\nexports.isEnumBooleanBody = isEnumBooleanBody;\nexports.isEnumNumberBody
= isEnumNumberBody;\nexports.isEnumStringBody = isEnumStringBody;\nexports.isEnumSymbolBody =
isEnumSymbolBody;\nexports.isEnumBooleanMember =
isEnumBooleanMember;\nexports.isEnumNumberMember =
isEnumNumberMember;\nexports.isEnumStringMember =
isEnumStringMember;\nexports.isEnumDefaultedMember = isEnumDefaultedMember;\nexports.isJSXAttribute =
isJSXAttribute;\nexports.isJSXClosingElement = isJSXClosingElement;\nexports.isJSXElement =
isJSXElement;\nexports.isJSXEmptyExpression = isJSXEmptyExpression;\nexports.isJSXExpressionContainer =
isJSXExpressionContainer;\nexports.isJSXSpreadChild = isJSXSpreadChild;\nexports.isJSXIdentifier =
isJSXIdentifier;\nexports.isJSXMemberExpression = isJSXMemberExpression;\nexports.isJSXNamespacedName =

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isJSXNamespacedName;\nexports.isJSXOpeningElement = isJSXOpeningElement;\nexports.isJSXSpreadAttribute = isJSXSpreadAttribute;\nexports.isJSXText = isJSXText;\nexports.isJSXFragment = isJSXFragment;\nexports.isJSXOpeningFragment = isJSXOpeningFragment;\nexports.isJSXClosingFragment = isJSXClosingFragment;\nexports.isNoop = isNoop;\nexports.isPlaceholder = isPlaceholder;\nexports.isV8IntrinsicIdentifier = isV8IntrinsicIdentifier;\nexports.isArgumentPlaceholder = isArgumentPlaceholder;\nexports.isBindExpression = isBindExpression;\nexports.isClassProperty = isClassProperty;\nexports.isPipelineTopicExpression = isPipelineTopicExpression;\nexports.isPipelineBareFunction = isPipelineBareFunction;\nexports.isPipelinePrimaryTopicReference = isPipelinePrimaryTopicReference;\nexports.isClassPrivateProperty = isClassPrivateProperty;\nexports.isClassPrivateMethod = isClassPrivateMethod;\nexports.isImportAttribute = isImportAttribute;\nexports.isDecorator = isDecorator;\nexports.isDoExpression = isDoExpression;\nexports.isExportDefaultSpecifier = isExportDefaultSpecifier;\nexports.isPrivateName = isPrivateName;\nexports.isRecordExpression = isRecordExpression;\nexports.isTupleExpression = isTupleExpression;\nexports.isDecimalLiteral = isDecimalLiteral;\nexports.isStaticBlock = isStaticBlock;\nexports.isTSParameterProperty = isTSParameterProperty;\nexports.isTSDeclareFunction = isTSDeclareFunction;\nexports.isTSDeclareMethod = isTSDeclareMethod;\nexports.isTSQualifiedName = isTSQualifiedName;\nexports.isTSCallSignatureDeclaration = isTSCallSignatureDeclaration;\nexports.isTSConstructSignatureDeclaration = isTSConstructSignatureDeclaration;\nexports.isTSPropertySignature = isTSPropertySignature;\nexports.isTSMMethodSignature = isTSMMethodSignature;\nexports.isTSIndexSignature = isTSIndexSignature;\nexports.isTSAnyKeyword = isTSAnyKeyword;\nexports.isTSBooleanKeyword = isTSBooleanKeyword;\nexports.isTSBigIntKeyword = isTSBigIntKeyword;\nexports.isTSIntrinsicKeyword = isTSIntrinsicKeyword;\nexports.isTSNeverKeyword = isTSNeverKeyword;\nexports.isTSNullKeyword = isTSNullKeyword;\nexports.isTSNumberKeyword = isTSNumberKeyword;\nexports.isTSObjectKeyword = isTSObjectKeyword;\nexports.isTSStringKeyword = isTSStringKeyword;\nexports.isTSSymbolKeyword = isTSSymbolKeyword;\nexports.isTSUndefinedKeyword = isTSUndefinedKeyword;\nexports.isTSUnknownKeyword = isTSUnknownKeyword;\nexports.isTSVoidKeyword = isTSVoidKeyword;\nexports.isTSThisType = isTSThisType;\nexports.isTSFunctionType = isTSFunctionType;\nexports.isTSConstructorType = isTSConstructorType;\nexports.isTSTypeReference = isTSTypeReference;\nexports.isTSTypePredicate = isTSTypePredicate;\nexports.isTSTypeQuery = isTSTypeQuery;\nexports.isTSTypeLiteral = isTSTypeLiteral;\nexports.isTSArrayType = isTSArrayType;\nexports.isTSTupleType = isTSTupleType;\nexports.isTSOptionalType = isTSOptionalType;\nexports.isTSRestType = isTSRestType;\nexports.isTSNamedTupleMember = isTSNamedTupleMember;\nexports.isTSUnionType = isTSUnionType;\nexports.isTSIntersectionType = isTSIntersectionType;\nexports.isTSConditionalType = isTSConditionalType;\nexports.isTSInferType = isTSInferType;\nexports.isTSParenthesizedType = isTSParenthesizedType;\nexports.isTSTypeOperator = isTSTypeOperator;\nexports.isTSIndexedAccessType = isTSIndexedAccessType;\nexports.isTSMappedType = isTSMappedType;\nexports.isTSLiteralType = isTSLiteralType;\nexports.isTSExpressionWithTypeArguments = isTSExpressionWithTypeArguments;\nexports.isTSInterfaceDeclaration = isTSInterfaceDeclaration;\nexports.isTSInterfaceBody = isTSInterfaceBody;\nexports.isTSTypeAliasDeclaration = isTSTypeAliasDeclaration;\nexports.isTSAsExpression = isTSAsExpression;\nexports.isTSTypeAssertion = isTSTypeAssertion;\nexports.isTSEnumDeclaration = isTSEnumDeclaration;\nexports.isTSEnumMember = isTSEnumMember;\nexports.isTSModuleDeclaration = isTSModuleDeclaration;\nexports.isTSModuleBlock = isTSModuleBlock;\nexports.isTSImportType = isTSImportType;\nexports.isTSImportEqualsDeclaration = isTSImportEqualsDeclaration;\nexports.isTSExternalModuleReference = isTSExternalModuleReference;\nexports.isTSNonNullExpression = isTSNonNullExpression;\nexports.isTSExportAssignment = isTSExportAssignment;\nexports.isTSNamespaceExportDeclaration



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= isTSNamespaceExportDeclaration;\nextports.isTSTypeAnnotation =
isTSTypeAnnotation;\nextports.isTSTypeParameterInstantiation =
isTSTypeParameterInstantiation;\nextports.isTSTypeParameterDeclaration =
isTSTypeParameterDeclaration;\nextports.isTSTypeParameter = isTSTypeParameter;\nextports.isExpression =
isExpression;\nextports.isBinary = isBinary;\nextports.isScopable = isScopable;\nextports.isBlockParent =
isBlockParent;\nextports.isBlock = isBlock;\nextports.isStatement = isStatement;\nextports.isTerminatorless =
isTerminatorless;\nextports.isCompletionStatement = isCompletionStatement;\nextports.isConditional =
isConditional;\nextports.isLoop = isLoop;\nextports.isWhile = isWhile;\nextports.isExpressionWrapper =
isExpressionWrapper;\nextports.isFor = isFor;\nextports.isForXStatement = isForXStatement;\nextports.isFunction =
isFunction;\nextports.isFunctionParent = isFunctionParent;\nextports.isPureish = isPureish;\nextports.isDeclaration =
isDeclaration;\nextports.isPatternLike
= isPatternLike;\nextports.isLVal = isLVal;\nextports.isTSEntityName = isTSEntityName;\nextports.isLiteral =
isLiteral;\nextports.isImmutable = isImmutable;\nextports.isUserWhitespacable =
isUserWhitespacable;\nextports.isMethod = isMethod;\nextports.isObjectMember =
isObjectMember;\nextports.isProperty = isProperty;\nextports.isUnaryLike = isUnaryLike;\nextports.isPattern =
isPattern;\nextports.isClass = isClass;\nextports.isModuleDeclaration =
isModuleDeclaration;\nextports.isExportDeclaration = isExportDeclaration;\nextports.isModuleSpecifier =
isModuleSpecifier;\nextports.isFlow = isFlow;\nextports.isFlowType = isFlowType;\nextports.isFlowBaseAnnotation
= isFlowBaseAnnotation;\nextports.isFlowDeclaration = isFlowDeclaration;\nextports.isFlowPredicate =
isFlowPredicate;\nextports.isEnumBody = isEnumBody;\nextports.isEnumMember =
isEnumMember;\nextports.isJSX = isJSX;\nextports.isPrivate = isPrivate;\nextports.isTSTypeElement =
isTSTypeElement;\nextports.isTSType = isTSType;\nextports.isTSBaseType =
isTSBaseType;\nextports.isNumberLiteral
= isNumberLiteral;\nextports.isRegexLiteral = isRegexLiteral;\nextports.isRestProperty =
isRestProperty;\nextports.isSpreadProperty = isSpreadProperty;\n\nvar _shallowEqual =
_interopRequireDefault(require(\"../../utils/shallowEqual\"));\n\nfunction _interopRequireDefault(obj) { return obj
&& obj.__esModule ? obj : { default: obj }; }\n\nfunction isArrayExpression(node, opts) {\n if (!node) return
false;\n const nodeType = node.type;\n\n if (nodeType === \"ArrayExpression\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isAssignmentExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"AssignmentExpression\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isBinaryExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"BinaryExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isInterpreterDirective(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"InterpreterDirective\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isDirective(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"Directive\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isDirectiveLiteral(node, opts) {\n if (!node) return
false;\n const nodeType = node.type;\n\n if (nodeType === \"DirectiveLiteral\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isBlockStatement(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"BlockStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n
} else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isBreakStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"BreakStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,

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_shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isCallExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"CallExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isCatchClause(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"CatchClause\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isConditionalExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ConditionalExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isContinueStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ContinueStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isDebuggerStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DebuggerStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isDoWhileStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DoWhileStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isEmptyStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"EmptyStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isExpressionStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ExpressionStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isFile(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"File\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isForInStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ForInStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isForStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ForStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isFunctionDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"FunctionDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isFunctionExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"FunctionExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isIdentifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"Identifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isIfStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"IfStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isLabeledStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"LabeledStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } \n } \n\n return false;\n}\n\nfunction isStringLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"StringLiteral\") {\n if (typeof

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 opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isNumericLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"NumericLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isNullLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"NullLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isBooleanLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"BooleanLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isRegExpLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"RegExpLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isLogicalExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"LogicalExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isMemberExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"MemberExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isNewExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"NewExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isProgram(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"Program\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isObjectExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ObjectExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isObjectMethod(node, opts) {\n if (!node) return false;\n\n const nodeType = node.type;\n\n if (nodeType === \"ObjectMethod\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isObjectProperty(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ObjectProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isRestElement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"RestElement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isReturnStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ReturnStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isSequenceExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"SequenceExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isParenthesizedExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ParenthesizedExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isSwitchCase(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"SwitchCase\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isSwitchStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"SwitchStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,

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 _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isThisExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ThisExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isThrowStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ThrowStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTryStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TryStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isUnaryExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"UnaryExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isUpdateExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"UpdateExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isVariableDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"VariableDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isVariableDeclarator(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"VariableDeclarator\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isWhileStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"WhileStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isWithStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"WithStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isAssignmentPattern(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"AssignmentPattern\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isArrayPattern(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ArrayPattern\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isArrowFunctionExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ArrowFunctionExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isClassBody(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ClassBody\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isClassExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ClassExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isClassDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ClassDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isExportAllDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ExportAllDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isExportDefaultDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===

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"ExportDefaultDeclaration") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isExportNamedDeclaration(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
"ExportNamedDeclaration") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n
 return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isExportSpecifier(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "ExportSpecifier") {\n if
(typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
 }\n }\n\n return false;\n}\n\nfunction isForOfStatement(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n\n if (nodeType === "ForOfStatement") {\n if (typeof opts === "undefined") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isImportDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
"ImportDeclaration") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isImportDefaultSpecifier(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === "ImportDefaultSpecifier") {\n if (typeof opts === "undefined")
{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isImportNamespaceSpecifier(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "ImportNamespaceSpecifier") {\n if (typeof opts === "undefined") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isImportSpecifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === "ImportSpecifier") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isMetaProperty(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
"MetaProperty") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isClassMethod(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "ClassMethod") {\n if (typeof opts
=== "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n
\n return false;\n}\n\nfunction isObjectPattern(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "ObjectPattern") {\n if (typeof opts === "undefined") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isSpreadElement(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n\n if (nodeType === "SpreadElement") {\n if (typeof opts === "undefined") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isSuper(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "Super") {\n if
(typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isTaggedTemplateExpression(node, opts) {\n if (!node) return
false;\n const nodeType = node.type;\n\n if (nodeType === "TaggedTemplateExpression") {\n if (typeof opts
=== "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n
\n return false;\n}\n\nfunction isTemplateElement(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "TemplateElement") {\n if (typeof
opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
 }\n\n return false;\n}\n\nfunction isTemplateLiteral(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "TemplateLiteral") {\n if (typeof opts === "undefined") {\n return true;\n
 } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isYieldExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
"YieldExpression") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isAwaitExpression(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "AwaitExpression") {\n if (typeof

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opts === "undefined") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isImport(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "Import") {\n if (typeof opts
=== "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n
return false;\n}\n\nfunction isBigIntLiteral(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "BigIntLiteral") {\n if (typeof opts === "undefined") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction
isExportNamespaceSpecifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === "ExportNamespaceSpecifier") {\n if (typeof opts === "undefined") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n
return false;\n}\n\nfunction isOptionalMemberExpression(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === "OptionalMemberExpression") {\n if (typeof opts ===
"undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n
return false;\n}\n\nfunction isOptionalCallExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "OptionalCallExpression") {\n if (typeof opts === "undefined") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction
isAnyTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
"AnyTypeAnnotation") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction
isArrayTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== "ArrayTypeAnnotation") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isBooleanTypeAnnotation(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "BooleanTypeAnnotation")
{\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n } }\n\n return false;\n}\n\nfunction isBooleanLiteralTypeAnnotation(node, opts) {\n if (!node) return
false;\n const nodeType = node.type;\n\n if (nodeType === "BooleanLiteralTypeAnnotation") {\n if (typeof
opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n
return false;\n}\n\nfunction isNullLiteralTypeAnnotation(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
"NullLiteralTypeAnnotation") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isClassImplements(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "ClassImplements") {\n if
(typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n } }\n\n return false;\n}\n\nfunction isDeclareClass(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "DeclareClass") {\n if (typeof opts === "undefined") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction
isDeclareFunction(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === "DeclareFunction") {\n if (typeof opts === "undefined")
{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n } }\n\n return
false;\n}\n\nfunction isDeclareInterface(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n
if (nodeType === "DeclareInterface") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n } }\n\n return false;\n}\n\nfunction isDeclareModule(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "DeclareModule") {\n if
(typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n } }\n\n return false;\n}\n\nfunction isDeclareModuleExports(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === "DeclareModuleExports")
{\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n } }\n\n return false;\n}\n\nfunction isDeclareTypeAlias(node, opts) {\n if (!node) return false;\n const

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nodeType = node.type;\n\n if (nodeType === \"DeclareTypeAlias\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
false;\n}\n\nfunction isDeclareOpaqueType(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"DeclareOpaqueType\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isDeclareVariable(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"DeclareVariable\") {\n if (typeof opts === \"undefined\")
\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
false;\n}\n\nfunction isDeclareExportDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"DeclareExportDeclaration\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
false;\n}\n\nfunction isDeclareExportAllDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"DeclareExportAllDeclaration\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
false;\n}\n\nfunction isDeclaredPredicate(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n
if (nodeType === \"DeclaredPredicate\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isExistsTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"ExistsTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isFunctionTypeAnnotation(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"FunctionTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isFunctionTypeParam(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"FunctionTypeParam\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isGenericTypeAnnotation(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"GenericTypeAnnotation\")
{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n}\n\n return false;\n}\n\nfunction isInferredPredicate(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"InferredPredicate\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
false;\n}\n\nfunction isInterfaceExtends(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n
if (nodeType === \"InterfaceExtends\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isInterfaceDeclaration(node,
opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"InterfaceDeclaration\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isInterfaceTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"InterfaceTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isIntersectionTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"IntersectionTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction
isMixedTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"MixedTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isEmptyTypeAnnotation(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"EmptyTypeAnnotation\")
{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,

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opts);\n }\n }\n\n return false;\n}\n\nfunction isNullableTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"NullableTypeAnnotation\") {\n if (typeof opts ===\n \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isNumberLiteralTypeAnnotation(node,\n opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===\n \"NumberLiteralTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction\nisNumberTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType\n === \"NumberTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return\n (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isObjectTypeAnnotation(node,\n opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ObjectTypeAnnotation\")\n {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,\n opts);\n }\n }\n\n return false;\n}\n\nfunction isObjectTypeInternalSlot(node, opts)\n {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ObjectTypeInternalSlot\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,\n opts);\n }\n }\n\n return false;\n }\n\n function isObjectTypeCallProperty(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ObjectTypeCallProperty\") {\n if (typeof opts ===\n \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n }\n\n function isObjectTypeIndexer(node, opts) {\n if (!node) return false;\n const nodeType =\n node.type;\n\n if (nodeType === \"ObjectTypeIndexer\") {\n if (typeof opts === \"undefined\") {\n return\n true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n }\n\n function\n isObjectTypeProperty(node, opts) {\n if (!node) return false;\n\n const nodeType = node.type;\n\n if (nodeType === \"ObjectTypeProperty\") {\n if (typeof opts ===\n \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return\n false;\n }\n\n function isObjectTypeSpreadProperty(node, opts) {\n if (!node) return false;\n const nodeType\n = node.type;\n\n if (nodeType === \"ObjectTypeSpreadProperty\") {\n if (typeof opts === \"undefined\") {\n return\n true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return\n false;\n }\n\n function isOpaqueType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if\n (nodeType === \"OpaqueType\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return\n (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n }\n\n function isQualifiedTypeIdentifier(node,\n opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType\n === \"QualifiedTypeIdentifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return\n (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n }\n\n function\n isStringLiteralTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if\n (nodeType === \"StringLiteralTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n }\n else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return\n false;\n }\n\n function\n isStringTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType\n === \"StringTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return\n (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n }\n\n function isSymbolTypeAnnotation(node,\n opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"SymbolTypeAnnotation\")\n {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,\n opts);\n }\n }\n\n return false;\n }\n\n function isThisTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ThisTypeAnnotation\") {\n if (typeof opts ===\n \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return\n false;\n }\n\n function isTupleTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType =\n node.type;\n\n if (nodeType === \"TupleTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return\n true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return\n false;\n }\n\n function\n isTypeofTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType

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=== \"TypeofTypeAnnotation\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\nreturn false;\n}\n\nfunction isTypeAlias(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"TypeAlias\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTypeAnnotation(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"TypeAnnotation\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n return false;\n}\n\nfunction isTypeCastExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"TypeCastExpression\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isTypeParameter(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n if (nodeType === \"TypeParameter\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTypeParameterDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"TypeParameterDeclaration\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTypeParameterInstantiation(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"TypeParameterInstantiation\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isUnionTypeAnnotation(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n if (nodeType === \"UnionTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isVariance(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"Variance\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isVoidTypeAnnotation(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"VoidTypeAnnotation\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n return false;\n}\n\nfunction isEnumDeclaration(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"EnumDeclaration\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isEnumBooleanBody(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n if (nodeType === \"EnumBooleanBody\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isEnumNumberBody(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"EnumNumberBody\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isEnumStringBody(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n if (nodeType === \"EnumStringBody\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isEnumSymbolBody(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
(nodeType === \"EnumSymbolBody\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isEnumBooleanMember(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n if (nodeType === \"EnumBooleanMember\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isEnumNumberMember(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n if (nodeType === \"EnumNumberMember\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isEnumStringMember(node, opts) {\n if (!node) return false;\n

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const nodeType = node.type;\n\n if (nodeType === \"EnumStringMember\") {\n if (typeof opts ===\n\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isEnumDefaultedMember(node, opts) {\n if (!node) return false;\n const nodeType =\nnode.type;\n\n if (nodeType === \"EnumDefaultedMember\") {\n if (typeof opts === \"undefined\") {\n return\ntrue;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction\nisJSXAttribute(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===\n\"JSXAttribute\") {\n if (typeof opts === \"undefined\") {\n return true;\n }\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction\nisJSXClosingElement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===\n\"JSXClosingElement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,\n_shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isJSXElement(node, opts) {\n if\n(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXElement\") {\n if (typeof opts\n=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\nreturn false;\n}\n\nfunction isJSXEmptyExpression(node, opts) {\n if (!node) return false;\n const nodeType =\nnode.type;\n\n if (nodeType === \"JSXEmptyExpression\") {\n if (typeof opts === \"undefined\") {\n return\ntrue;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n return false;\n}\n\nfunction isJSXExpressionContainer(node, opts) {\n if (!node) return false;\n const\nnodeType = node.type;\n\n if (nodeType === \"JSXExpressionContainer\") {\n if (typeof opts === \"undefined\")\n{\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n return\nfalse;\n}\n\nfunction isJSXSpreadChild(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n\n if (nodeType === \"JSXSpreadChild\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n\nreturn (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n return false;\n}\n\nfunction isJSXIdentifier(node, opts)\n{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXIdentifier\") {\n if (typeof\nopts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n return false;\n}\n\nfunction isJSXMemberExpression(node,\nopts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXMemberExpression\")\n{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,\nopts);\n }\n}\n\n\n return false;\n}\n\nfunction isJSXNamespacedName(node, opts) {\n if (!node) return false;\n const\nnodeType = node.type;\n\n if (nodeType === \"JSXNamespacedName\") {\n if (typeof opts ===\n\n\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n\nreturn false;\n}\n\nfunction isJSXOpeningElement(node, opts) {\n if (!node) return false;\n const nodeType =\nnode.type;\n\n if (nodeType === \"JSXOpeningElement\") {\n if (typeof opts === \"undefined\") {\n return\ntrue;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n\n return false;\n}\n\nfunction\nisJSXSpreadAttribute(node, opts) {\n if (!node) return\nfalse;\n const nodeType = node.type;\n\n if (nodeType === \"JSXSpreadAttribute\") {\n if (typeof opts ===\n\n\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n\nreturn false;\n}\n\nfunction isJSXText(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n\n if (nodeType === \"JSXText\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,\n_shallowEqual.default)(node, opts);\n }\n}\n\n\n\n return false;\n}\n\nfunction isJSXFragment(node, opts) {\n if\n(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXFragment\") {\n if (typeof opts\n=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n\nreturn false;\n}\n\nfunction isJSXOpeningFragment(node, opts) {\n if (!node) return false;\n const nodeType =\nnode.type;\n\n if (nodeType === \"JSXOpeningFragment\")\n{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,\nopts);\n }\n}\n\n\n\n return false;\n}\n\nfunction isJSXClosingFragment(node, opts) {\n if (!node) return false;\n const\nnodeType = node.type;\n\n if (nodeType === \"JSXClosingFragment\") {\n if (typeof opts ===\n\n\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n\n\n\nreturn false;\n}\n\nfunction isNoop(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
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(nodeType === \"Noop\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isPlaceholder(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"Placeholder\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isV8IntrinsicIdentifier(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"V8IntrinsicIdentifier\") {\n
if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isArgumentPlaceholder(node, opts) {\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === \"ArgumentPlaceholder\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n
return false;\n}\n\nfunction isBindExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"BindExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n
} else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isClassProperty(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n\n if (nodeType === \"ClassProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n
} else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction
isPipelineTopicExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"PipelineTopicExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isPipelineBareFunction(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"PipelineBareFunction\")
{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n }\n\n return false;\n}\n\nfunction
isPipelinePrimaryTopicReference(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"PipelinePrimaryTopicReference\") {\n if (typeof opts === \"undefined\") {\n return true;\n
} else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction
isClassPrivateProperty(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"ClassPrivateProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isClassPrivateMethod(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ClassPrivateMethod\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n }\n\n return false;\n}\n\nfunction isImportAttribute(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ImportAttribute\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n }\n\n return false;\n}\n\nfunction isDecorator(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"Decorator\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction
isDoExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"DoExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isExportDefaultSpecifier(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n
if (nodeType === \"ExportDefaultSpecifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction isPrivateName(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"PrivateName\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n }\n\n return false;\n}\n\nfunction isRecordExpression(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"RecordExpression\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return
false;\n}\n\nfunction isTupleExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n

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if (nodeType === \"TupleExpression\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\nreturn false;\n}\n\nfunction isDecimalLiteral(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"DecimalLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isStaticBlock(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"StaticBlock\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSParameterProperty(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSParameterProperty\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSDeclareFunction(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSDeclareFunction\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isTSDeclareMethod(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"TSDeclareMethod\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTSQualifiedName(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n
if (nodeType === \"TSQualifiedName\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSCallSignatureDeclaration(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"TSCallSignatureDeclaration\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isTSConstructSignatureDeclaration(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"TSConstructSignatureDeclaration\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isTSPropertySignature(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSPropertySignature\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSMethodSignature(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSMethodSignature\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSIndexSignature(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSIndexSignature\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSAnyKeyword(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSAnyKeyword\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n return false;\n}\n\nfunction isTSBooleanKeyword(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSBooleanKeyword\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSBigIntKeyword(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSBigIntKeyword\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSIntrinsicKeyword(node, opts) {\n
if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSIntrinsicKeyword\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSNeverKeyword(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSNeverKeyword\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSNullKeyword(node,

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if (nodeType === "TSOptionalType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\nreturn false;\n}\n\nfunction isTSRestType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSRestType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSNamedTupleMember(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSNamedTupleMember") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSUnionType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSUnionType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSIntersectionType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSIntersectionType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSConditionalType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSConditionalType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSInferType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSInferType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSParenthesizedType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSParenthesizedType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSTypeOperator(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSTypeOperator") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSIndexedAccessType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSIndexedAccessType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSMappedType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSMappedType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSLiteralType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSLiteralType") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSExpressionWithTypeArguments(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSExpressionWithTypeArguments") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSInterfaceDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSInterfaceDeclaration") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSInterfaceBody(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSInterfaceBody") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSTypeAliasDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSTypeAliasDeclaration") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSAsExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "TSAsExpression") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSTypeAssertion(node, opts) {\n if (!node) return false;\n const nodeType =

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node.type;\n\n if (nodeType === \"TSTypeAssertion\") {\n if (typeof opts === \"undefined\")
 {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isTSEnumDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSEnumDeclaration\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSEnumMember(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSEnumMember\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSMODULEDeclaration(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSMODULEDeclaration\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSMODULEBlock(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSMODULEBlock\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isTSImportType(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSImportType\") {\n if (typeof opts === \"undefined\") {\n return true;\n
}\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSImportEqualsDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"TSImportEqualsDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSEXTERNALModuleReference(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"TSEXTERNALModuleReference\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isTSNonNullableExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSNonNullableExpression\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSEXPORTAssignment(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"TSEXPORTAssignment\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSNamespaceExportDeclaration(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"TSNamespaceExportDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n
}\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSTypeAnnotation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSTypeAnnotation\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSTypeParameterInstantiation(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"TSTypeParameterInstantiation\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSTypeParameterDeclaration(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TSTypeParameterDeclaration\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSTypeParameter(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSTypeParameter\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"Expression\" || \"ArrayExpression\" === nodeType || \"AssignmentExpression\"
=== nodeType || \"BinaryExpression\" === nodeType || \"CallExpression\" === nodeType ||
\"ConditionalExpression\" === nodeType || \"FunctionExpression\" === nodeType ||

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 \"Identifier\" === nodeType || \"StringLiteral\" === nodeType || \"NumericLiteral\" === nodeType || \"NullLiteral\"
 === nodeType || \"BooleanLiteral\" === nodeType || \"RegExpLiteral\" === nodeType || \"LogicalExpression\" ===
 nodeType || \"MemberExpression\" === nodeType || \"NewExpression\" === nodeType || \"ObjectExpression\" ===
 nodeType || \"SequenceExpression\" === nodeType || \"ParenthesizedExpression\" === nodeType ||
 \"ThisExpression\" === nodeType || \"UnaryExpression\" === nodeType || \"UpdateExpression\" === nodeType ||
 \"ArrowFunctionExpression\" === nodeType || \"ClassExpression\" === nodeType || \"MetaProperty\" ===
 nodeType || \"Super\" === nodeType || \"TaggedTemplateExpression\" === nodeType || \"TemplateLiteral\" ===
 nodeType || \"YieldExpression\" === nodeType || \"AwaitExpression\" === nodeType || \"Import\" === nodeType ||
 \"BigIntLiteral\" === nodeType || \"OptionalMemberExpression\" === nodeType || \"OptionalCallExpression\" ===
 nodeType || \"TypeCastExpression\"
 === nodeType || \"JSXElement\" === nodeType || \"JSXFragment\" === nodeType || \"BindExpression\" ===
 nodeType || \"PipelinePrimaryTopicReference\" === nodeType || \"DoExpression\" === nodeType ||
 \"RecordExpression\" === nodeType || \"TupleExpression\" === nodeType || \"DecimalLiteral\" === nodeType ||
 \"TSAsExpression\" === nodeType || \"TSTypeAssertion\" === nodeType || \"TSNonNullExpression\" ===
 nodeType || nodeType === \"Placeholder\" && (\"Expression\" === node.expectedNode || \"Identifier\" ===
 node.expectedNode || \"StringLiteral\" === node.expectedNode)) {\n if (typeof opts === \"undefined\") {\n
 return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
 false;\n}\n\nfunction isBinary(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
 (nodeType === \"Binary\" || \"BinaryExpression\" === nodeType || \"LogicalExpression\" === nodeType) {\n if
 (typeof opts === \"undefined\") {\n return
 true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
 isScopable(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if (nodeType ===
 \"Scopable\" || \"BlockStatement\" === nodeType || \"CatchClause\" === nodeType || \"DoWhileStatement\" ===
 nodeType || \"ForInStatement\" === nodeType || \"ForStatement\" === nodeType || \"FunctionDeclaration\" ===
 nodeType || \"FunctionExpression\" === nodeType || \"Program\" === nodeType || \"ObjectMethod\" === nodeType
 || \"SwitchStatement\" === nodeType || \"WhileStatement\" === nodeType || \"ArrowFunctionExpression\" ===
 nodeType || \"ClassExpression\" === nodeType || \"ClassDeclaration\" === nodeType || \"ForOfStatement\" ===
 nodeType || \"ClassMethod\" === nodeType || \"ClassPrivateMethod\" === nodeType || \"StaticBlock\" ===
 nodeType || \"TSMODULEBlock\" === nodeType || nodeType === \"Placeholder\" && \"BlockStatement\" ===
 node.expectedNode) {\n if (typeof
 opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
 isBlockParent(node, opts) {\n if (!node) return false;\n const nodeType =
 node.type;\n if (nodeType === \"BlockParent\" || \"BlockStatement\" === nodeType || \"CatchClause\" ===
 nodeType || \"DoWhileStatement\" === nodeType || \"ForInStatement\" === nodeType || \"ForStatement\" ===
 nodeType || \"FunctionDeclaration\" === nodeType || \"FunctionExpression\" === nodeType || \"Program\" ===
 nodeType || \"ObjectMethod\" === nodeType || \"SwitchStatement\" === nodeType || \"WhileStatement\" ===
 nodeType || \"ArrowFunctionExpression\" === nodeType || \"ForOfStatement\" === nodeType || \"ClassMethod\"
 === nodeType || \"ClassPrivateMethod\" === nodeType || \"StaticBlock\" === nodeType || \"TSMODULEBlock\" ===
 nodeType || nodeType === \"Placeholder\" && \"BlockStatement\" === node.expectedNode) {\n if (typeof
 opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
 false;\n}\n\nfunction isBlock(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n if
 (nodeType === \"Block\" || \"BlockStatement\" === nodeType || \"Program\" === nodeType || \"TSMODULEBlock\"
 === nodeType || nodeType === \"Placeholder\" && \"BlockStatement\" === node.expectedNode) {\n if (typeof
 opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
 false;\n}\n\nfunction isStatement(node, opts) {\n if (!node) return false;\n const nodeType =
 node.type;\n if (nodeType === \"Statement\" || \"BlockStatement\" === nodeType || \"BreakStatement\" ===
 nodeType || \"ContinueStatement\" === nodeType || \"DebuggerStatement\" === nodeType || \"DoWhileStatement\"

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=== nodeType || \"EmptyStatement\" === nodeType || \"ExpressionStatement\" === nodeType || \"ForInStatement\"
=== nodeType || \"ForStatement\" === nodeType || \"FunctionDeclaration\" === nodeType || \"IfStatement\" ===
nodeType || \"LabeledStatement\" === nodeType || \"ReturnStatement\" === nodeType || \"SwitchStatement\" ===
nodeType || \"ThrowStatement\" === nodeType || \"TryStatement\" === nodeType || \"VariableDeclaration\" ===
nodeType || \"WhileStatement\" === nodeType || \"WithStatement\" === nodeType || \"ClassDeclaration\" ===
nodeType || \"ExportAllDeclaration\" === nodeType || \"ExportDefaultDeclaration\" === nodeType ||
\"ExportNamedDeclaration\" === nodeType || \"ForOfStatement\" === nodeType || \"ImportDeclaration\" ===
nodeType || \"DeclareClass\" === nodeType || \"DeclareFunction\" === nodeType || \"DeclareInterface\" ===
nodeType || \"DeclareModule\" === nodeType || \"DeclareModuleExports\" === nodeType || \"DeclareTypeAlias\"
=== nodeType || \"DeclareOpaqueType\" === nodeType || \"DeclareVariable\" === nodeType ||
\"DeclareExportDeclaration\" === nodeType || \"DeclareExportAllDeclaration\"
=== nodeType || \"InterfaceDeclaration\" === nodeType || \"OpaqueType\" === nodeType || \"TypeAlias\" ===
nodeType || \"EnumDeclaration\" === nodeType || \"TSDeclareFunction\" === nodeType ||
\"TSInterfaceDeclaration\" === nodeType || \"TSTypeAliasDeclaration\" === nodeType || \"TSEnumDeclaration\"
=== nodeType || \"TSModuleDeclaration\" === nodeType || \"TSImportEqualsDeclaration\" === nodeType ||
\"TSExportAssignment\" === nodeType || \"TSNamespaceExportDeclaration\" === nodeType || nodeType ===
\"Placeholder\" && (\"Statement\" === node.expectedNode || \"Declaration\" === node.expectedNode ||
\"BlockStatement\" === node.expectedNode)) {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTerminatorless(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"Terminatorless\" || \"BreakStatement\"
=== nodeType || \"ContinueStatement\" === nodeType || \"ReturnStatement\" === nodeType || \"ThrowStatement\"
=== nodeType || \"YieldExpression\" === nodeType || \"AwaitExpression\" === nodeType) {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isCompletionStatement(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"CompletionStatement\" || \"BreakStatement\" === nodeType ||
\"ContinueStatement\" === nodeType || \"ReturnStatement\" === nodeType || \"ThrowStatement\" === nodeType)
{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isConditional(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"Conditional\" || \"ConditionalExpression\" === nodeType
|| \"IfStatement\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isLoop(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n\n if (nodeType === \"Loop\" || \"DoWhileStatement\" === nodeType
|| \"ForInStatement\" === nodeType || \"ForStatement\" === nodeType || \"WhileStatement\" === nodeType ||
\"ForOfStatement\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isWhile(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"While\" || \"DoWhileStatement\" ===
nodeType || \"WhileStatement\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isExpressionWrapper(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"ExpressionWrapper\" || \"ExpressionStatement\" === nodeType ||
\"ParenthesizedExpression\" === nodeType || \"TypeCastExpression\" === nodeType) {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isFor(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"For\" || \"ForInStatement\" === nodeType || \"ForStatement\" === nodeType || \"ForOfStatement\"
=== nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isForXStatement(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ForXStatement\"

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 || \"ForInStatement\" === nodeType || \"ForOfStatement\" === nodeType) {\n if (typeof opts === \"undefined\")
 {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return
false;\n}\n\nfunction isFunction(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"Function\" || \"FunctionDeclaration\" === nodeType || \"FunctionExpression\" === nodeType ||
\"ObjectMethod\" === nodeType || \"ArrowFunctionExpression\" === nodeType || \"ClassMethod\" === nodeType
|| \"ClassPrivateMethod\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isFunctionParent(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"FunctionParent\" ||
\"FunctionDeclaration\" === nodeType || \"FunctionExpression\" === nodeType || \"ObjectMethod\"
=== nodeType || \"ArrowFunctionExpression\" === nodeType || \"ClassMethod\" === nodeType ||
\"ClassPrivateMethod\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isPureish(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"Pureish\" || \"FunctionDeclaration\"
=== nodeType || \"FunctionExpression\" === nodeType || \"StringLiteral\" === nodeType || \"NumericLiteral\" ===
nodeType || \"NullLiteral\" === nodeType || \"BooleanLiteral\" === nodeType || \"RegExpLiteral\" === nodeType ||
\"ArrowFunctionExpression\" === nodeType || \"BigIntLiteral\" === nodeType || \"DecimalLiteral\" === nodeType
|| nodeType === \"Placeholder\" && \"StringLiteral\" === node.expectedNode) {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }
 }\n\n return false;\n}\n\nfunction isDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"Declaration\" || \"FunctionDeclaration\" === nodeType || \"VariableDeclaration\"
=== nodeType || \"ClassDeclaration\" === nodeType || \"ExportAllDeclaration\" === nodeType ||
\"ExportDefaultDeclaration\" === nodeType || \"ExportNamedDeclaration\" === nodeType || \"ImportDeclaration\"
=== nodeType || \"DeclareClass\" === nodeType || \"DeclareFunction\" === nodeType || \"DeclareInterface\" ===
nodeType || \"DeclareModule\" === nodeType || \"DeclareModuleExports\" === nodeType || \"DeclareTypeAlias\"
=== nodeType || \"DeclareOpaqueType\" === nodeType || \"DeclareVariable\" === nodeType ||
\"DeclareExportDeclaration\" === nodeType || \"DeclareExportAllDeclaration\" === nodeType ||
\"InterfaceDeclaration\" === nodeType || \"OpaqueType\" === nodeType || \"TypeAlias\" === nodeType ||
\"EnumDeclaration\" === nodeType || \"TSDeclareFunction\"
=== nodeType || \"TSInterfaceDeclaration\" === nodeType || \"TSTypeAliasDeclaration\" === nodeType ||
\"TSEnumDeclaration\" === nodeType || \"TSModuleDeclaration\" === nodeType || nodeType === \"Placeholder\"
&& \"Declaration\" === node.expectedNode) {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isPatternLike(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"PatternLike\" ||
\"Identifier\" === nodeType || \"RestElement\" === nodeType || \"AssignmentPattern\" === nodeType ||
\"ArrayPattern\" === nodeType || \"ObjectPattern\" === nodeType || nodeType === \"Placeholder\" && (\"Pattern\"
=== node.expectedNode || \"Identifier\" === node.expectedNode)) {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction
isLVal(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"LVal\" ||
\"Identifier\" === nodeType || \"MemberExpression\" === nodeType || \"RestElement\" === nodeType ||
\"AssignmentPattern\" === nodeType || \"ArrayPattern\" === nodeType || \"ObjectPattern\" === nodeType ||
\"TSParameterProperty\" === nodeType || nodeType === \"Placeholder\" && (\"Pattern\" === node.expectedNode ||
\"Identifier\" === node.expectedNode)) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSEntityName(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSEntityName\" ||
\"Identifier\" === nodeType || \"TSQualifiedName\" === nodeType || nodeType === \"Placeholder\" &&
\"Identifier\" === node.expectedNode) {\n if (typeof opts === \"undefined\") {\n return true;\n }
 }\n}

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 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isLiteral(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'Literal' ||
 'StringLiteral' === nodeType ||
 'NumericLiteral' === nodeType ||
 'NullLiteral' === nodeType ||
 'BooleanLiteral' === nodeType ||
 'RegExpLiteral' === nodeType ||
 'TemplateLiteral' === nodeType ||
 'BigIntLiteral' === nodeType ||
 'DecimalLiteral' === nodeType ||
 nodeType === 'Placeholder' &&
 'StringLiteral' === node.expectedNode) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isImmutable(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'Immutable' ||
 'StringLiteral' === nodeType ||
 'NumericLiteral' === nodeType ||
 'NullLiteral' === nodeType ||
 'BooleanLiteral' === nodeType ||
 'BigIntLiteral' === nodeType ||
 'JSXAttribute' === nodeType ||
 'JSXClosingElement' === nodeType ||
 'JSXElement' === nodeType ||
 'JSXExpressionContainer' === nodeType ||
 'JSXSpreadChild' === nodeType ||
 'JSXOpeningElement' === nodeType ||
 'JSXText' === nodeType ||
 'JSXFragment' === nodeType ||
 'JSXOpeningFragment' === nodeType ||
 'JSXClosingFragment' === nodeType ||
 'DecimalLiteral' === nodeType ||
 nodeType === 'Placeholder' &&
 'StringLiteral' === node.expectedNode) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isUserWhitespacable(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'UserWhitespacable' ||
 'ObjectMethod' === nodeType ||
 'ObjectProperty' === nodeType ||
 'ObjectTypeInternalSlot' === nodeType ||
 'ObjectTypeCallProperty' === nodeType ||
 'ObjectTypeIndexer' === nodeType ||
 'ObjectTypeProperty' === nodeType ||
 'ObjectTypeSpreadProperty' === nodeType) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isMethod(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'Method' ||
 'ObjectMethod' === nodeType ||
 'ClassMethod' === nodeType ||
 'ClassPrivateMethod' === nodeType) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isObjectMember(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'ObjectMember' ||
 'ObjectMethod' === nodeType ||
 'ObjectProperty' === nodeType) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isProperty(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'Property' ||
 'ObjectProperty' === nodeType ||
 'ClassProperty' === nodeType ||
 'ClassPrivateProperty' === nodeType) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isUnaryLike(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'UnaryLike' ||
 'UnaryExpression' === nodeType ||
 'SpreadElement' === nodeType) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isPattern(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'Pattern' ||
 'AssignmentPattern' === nodeType ||
 'ArrayPattern' === nodeType ||
 'ObjectPattern' === nodeType ||
 nodeType === 'Placeholder' &&
 'Pattern' === node.expectedNode) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isClass(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'Class' ||
 'ClassExpression' === nodeType ||
 'ClassDeclaration' === nodeType) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isModuleDeclaration(node, opts) {
 if (!node) return false;
 const nodeType = node.type;
 if (nodeType === 'ModuleDeclaration' ||
 'ExportAllDeclaration' === nodeType ||
 'ExportDefaultDeclaration' === nodeType ||
 'ExportNamedDeclaration' === nodeType ||
 'ImportDeclaration' === nodeType) {
 if (typeof opts === 'undefined') {
 return true;
 } else {
 return (0, _shallowEqual.default)(node, opts);
 }
 }
 return false;
}

function isExportDeclaration(node, opts) {
 if (!node) return false;
 const nodeType =

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node.type;\n\n if (nodeType === \"ExportDeclaration\" || \"ExportAllDeclaration\" === nodeType ||
\"ExportDefaultDeclaration\" === nodeType || \"ExportNamedDeclaration\" === nodeType) {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isModuleSpecifier(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ModuleSpecifier\" || \"ExportSpecifier\" === nodeType ||
\"ImportDefaultSpecifier\" === nodeType || \"ImportNamespaceSpecifier\" === nodeType || \"ImportSpecifier\"
=== nodeType || \"ExportNamespaceSpecifier\" === nodeType || \"ExportDefaultSpecifier\" === nodeType) {\n if
(typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isFlow(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"Flow\" || \"AnyTypeAnnotation\" === nodeType || \"ArrayTypeAnnotation\" === nodeType ||
\"BooleanTypeAnnotation\" === nodeType || \"BooleanLiteralTypeAnnotation\" === nodeType ||
\"NullLiteralTypeAnnotation\" === nodeType || \"ClassImplements\" === nodeType || \"DeclareClass\" ===
nodeType || \"DeclareFunction\" === nodeType || \"DeclareInterface\" === nodeType || \"DeclareModule\" ===
nodeType || \"DeclareModuleExports\" === nodeType || \"DeclareTypeAlias\" === nodeType ||
\"DeclareOpaqueType\" === nodeType || \"DeclareVariable\" === nodeType || \"DeclareExportDeclaration\" ===
nodeType || \"DeclareExportAllDeclaration\" === nodeType || \"DeclaredPredicate\" === nodeType ||
\"ExistsTypeAnnotation\" === nodeType || \"FunctionTypeAnnotation\"
=== nodeType || \"FunctionTypeParam\" === nodeType || \"GenericTypeAnnotation\" === nodeType ||
\"InferredPredicate\" === nodeType || \"InterfaceExtends\" === nodeType || \"InterfaceDeclaration\" === nodeType
|| \"InterfaceTypeAnnotation\" === nodeType || \"IntersectionTypeAnnotation\" === nodeType ||
\"MixedTypeAnnotation\" === nodeType || \"EmptyTypeAnnotation\" === nodeType || \"NullableTypeAnnotation\"
=== nodeType || \"NumberLiteralTypeAnnotation\" === nodeType || \"NumberTypeAnnotation\" === nodeType ||
\"ObjectTypeAnnotation\" === nodeType || \"ObjectTypeInternalSlot\" === nodeType || \"ObjectTypeCallProperty\"
=== nodeType || \"ObjectTypeIndexer\" === nodeType || \"ObjectTypeProperty\" === nodeType ||
\"ObjectTypeSpreadProperty\" === nodeType || \"OpaqueType\" === nodeType || \"QualifiedTypeIdentifier\" ===
nodeType || \"StringLiteralTypeAnnotation\" === nodeType || \"StringTypeAnnotation\" === nodeType ||
\"SymbolTypeAnnotation\" === nodeType || \"ThisTypeAnnotation\"
=== nodeType || \"TupleTypeAnnotation\" === nodeType || \"TypeofTypeAnnotation\" === nodeType ||
\"TypeAlias\" === nodeType || \"TypeAnnotation\" === nodeType || \"TypeCastExpression\" === nodeType ||
\"TypeParameter\" === nodeType || \"TypeParameterDeclaration\" === nodeType || \"TypeParameterInstantiation\"
=== nodeType || \"UnionTypeAnnotation\" === nodeType || \"Variance\" === nodeType || \"VoidTypeAnnotation\"
=== nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isFlowType(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"FlowType\" || \"AnyTypeAnnotation\"
=== nodeType || \"ArrayTypeAnnotation\" === nodeType || \"BooleanTypeAnnotation\" === nodeType ||
\"BooleanLiteralTypeAnnotation\" === nodeType || \"NullLiteralTypeAnnotation\" === nodeType ||
\"ExistsTypeAnnotation\" === nodeType || \"FunctionTypeAnnotation\"
=== nodeType || \"GenericTypeAnnotation\" === nodeType || \"InterfaceTypeAnnotation\" === nodeType ||
\"IntersectionTypeAnnotation\" === nodeType || \"MixedTypeAnnotation\" === nodeType ||
\"EmptyTypeAnnotation\" === nodeType || \"NullableTypeAnnotation\" === nodeType ||
\"NumberLiteralTypeAnnotation\" === nodeType || \"NumberTypeAnnotation\" === nodeType ||
\"ObjectTypeAnnotation\" === nodeType || \"StringLiteralTypeAnnotation\" === nodeType ||
\"StringTypeAnnotation\" === nodeType || \"SymbolTypeAnnotation\" === nodeType || \"ThisTypeAnnotation\"
=== nodeType || \"TupleTypeAnnotation\" === nodeType || \"TypeofTypeAnnotation\" === nodeType ||
\"UnionTypeAnnotation\" === nodeType || \"VoidTypeAnnotation\" === nodeType) {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isFlowBaseAnnotation(node, opts) {\n if (!node) return false;\n const

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nodeType = node.type;\n\n if (nodeType === \"FlowBaseAnnotation\" || \"AnyTypeAnnotation\" === nodeType ||
\"BooleanTypeAnnotation\" === nodeType || \"NullLiteralTypeAnnotation\" === nodeType ||
\"MixedTypeAnnotation\" === nodeType || \"EmptyTypeAnnotation\" === nodeType || \"NumberTypeAnnotation\"
=== nodeType || \"StringTypeAnnotation\" === nodeType || \"SymbolTypeAnnotation\" === nodeType ||
\"ThisTypeAnnotation\" === nodeType || \"VoidTypeAnnotation\" === nodeType) {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isFlowDeclaration(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"FlowDeclaration\" || \"DeclareClass\" === nodeType || \"DeclareFunction\" ===
nodeType || \"DeclareInterface\" === nodeType || \"DeclareModule\" === nodeType || \"DeclareModuleExports\"
=== nodeType || \"DeclareTypeAlias\" === nodeType
|| \"DeclareOpaqueType\" === nodeType || \"DeclareVariable\" === nodeType || \"DeclareExportDeclaration\" ===
nodeType || \"DeclareExportAllDeclaration\" === nodeType || \"InterfaceDeclaration\" === nodeType ||
\"OpaqueType\" === nodeType || \"TypeAlias\" === nodeType) {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isFlowPredicate(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"FlowPredicate\" || \"DeclaredPredicate\" === nodeType || \"InferredPredicate\" === nodeType) {\n
 if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isEnumBody(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"EnumBody\" || \"EnumBooleanBody\" === nodeType ||
\"EnumNumberBody\"
=== nodeType || \"EnumStringBody\" === nodeType || \"EnumSymbolBody\" === nodeType) {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isEnumMember(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"EnumMember\" || \"EnumBooleanMember\" === nodeType ||
\"EnumNumberMember\" === nodeType || \"EnumStringMember\" === nodeType || \"EnumDefaultedMember\"
=== nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isJSX(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSX\" || \"JSXAttribute\" === nodeType ||
\"JSXClosingElement\" === nodeType || \"JSXElement\" === nodeType || \"JSXEmptyExpression\" === nodeType
|| \"JSXExpressionContainer\"
=== nodeType || \"JSXSpreadChild\" === nodeType || \"JSXIdentifier\" === nodeType ||
\"JSXMemberExpression\" === nodeType || \"JSXNamespacedName\" === nodeType || \"JSXOpeningElement\"
=== nodeType || \"JSXSpreadAttribute\" === nodeType || \"JSXText\" === nodeType || \"JSXFragment\" ===
nodeType || \"JSXOpeningFragment\" === nodeType || \"JSXClosingFragment\" === nodeType) {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n return false;\n}\n\nfunction isPrivate(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"Private\" || \"ClassPrivateProperty\" === nodeType || \"ClassPrivateMethod\"
=== nodeType || \"PrivateName\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isTSTypeElement(node, opts) {\n
 if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSTypeElement\" ||
\"TSCallSignatureDeclaration\" === nodeType || \"TSConstructSignatureDeclaration\" === nodeType ||
\"TSPropertySignature\" === nodeType || \"TSMethodSignature\" === nodeType || \"TSIndexSignature\" ===
nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTSType(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n\n if (nodeType === \"TSType\" || \"TSAnyKeyword\" ===
nodeType || \"TSBooleanKeyword\" === nodeType || \"TSBigIntKeyword\" === nodeType ||
\"TSIntrinsicKeyword\" === nodeType || \"TSNeverKeyword\" === nodeType || \"TSNullKeyword\" === nodeType

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|| \"TSNumberKeyword\" === nodeType || \"TSObjectKeyword\" === nodeType || \"TSStringKeyword\" ===
nodeType || \"TSSymbolKeyword\" === nodeType || \"TSUndefinedKeyword\" === nodeType
|| \"TSUnknownKeyword\" === nodeType || \"TSVoidKeyword\" === nodeType || \"TSThisType\" === nodeType ||
\"TSFunctionType\" === nodeType || \"TSConstructorType\" === nodeType || \"TSTypeReference\" === nodeType
|| \"TSTypePredicate\" === nodeType || \"TSTypeQuery\" === nodeType || \"TSTypeLiteral\" === nodeType ||
\"TSArrayType\" === nodeType || \"TSTupleType\" === nodeType || \"TSOptionalType\" === nodeType ||
\"TSRestType\" === nodeType || \"TSUnionType\" === nodeType || \"TSIntersectionType\" === nodeType ||
\"TSConditionalType\" === nodeType || \"TSInferType\" === nodeType || \"TSParenthesizedType\" === nodeType
|| \"TSTypeOperator\" === nodeType || \"TSIndexedAccessType\" === nodeType || \"TSMappedType\" ===
nodeType || \"TSLiteralType\" === nodeType || \"TSExpressionWithTypeArguments\" === nodeType ||
\"TSImportType\" === nodeType) {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n
return (0, _shallowEqual.default)(node, opts);\n }\n}\n\n return false;\n}\n\nfunction isTSBaseType(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"TSBaseType\" || \"TSAnyKeyword\" === nodeType || \"TSBooleanKeyword\"
=== nodeType || \"TSBigIntKeyword\" === nodeType || \"TSIntrinsicKeyword\" === nodeType ||
\"TSNeverKeyword\" === nodeType || \"TSNullKeyword\" === nodeType || \"TSNumberKeyword\" === nodeType
|| \"TSObjectKeyword\" === nodeType || \"TSStringKeyword\" === nodeType || \"TSSymbolKeyword\" ===
nodeType || \"TSUndefinedKeyword\" === nodeType || \"TSUnknownKeyword\" === nodeType ||
\"TSVoidKeyword\" === nodeType || \"TSThisType\" === nodeType || \"TSLiteralType\" === nodeType) {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isNumberLiteral(node, opts) {\n console.trace(\"The node type
NumberLiteral has been renamed to NumericLiteral\");\n if (!node) return
false;\n const nodeType = node.type;\n\n if (nodeType === \"NumberLiteral\") {\n if (typeof opts ===
\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isRegexLiteral(node, opts) {\n console.trace(\"The node type
RegexLiteral has been
renamed to RegExpLiteral\");\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"RegexLiteral\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isRestProperty(node, opts) {\n
console.trace(\"The node type RestProperty has been renamed to RestElement\");\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"RestProperty\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isSpreadProperty(node, opts) {\n console.trace(\"The node type SpreadProperty
has been renamed to SpreadElement\");\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"SpreadProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\n\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\nexports.arrayExpression = arrayExpression;\nexports.assignmentExpression =
assignmentExpression;\nexports.binaryExpression = binaryExpression;\nexports.interpreterDirective =
interpreterDirective;\nexports.directive = directive;\nexports.directiveLiteral =
directiveLiteral;\nexports.blockStatement = blockStatement;\nexports.breakStatement =
breakStatement;\nexports.callExpression = callExpression;\nexports.catchClause =
catchClause;\nexports.conditionalExpression = conditionalExpression;\nexports.continueStatement
= continueStatement;\nexports.debuggerStatement = debuggerStatement;\nexports.doWhileStatement =
doWhileStatement;\nexports.emptyStatement = emptyStatement;\nexports.expressionStatement =
expressionStatement;\nexports.file = file;\nexports.forInStatement = forInStatement;\nexports.forStatement =
forStatement;\nexports.functionDeclaration = functionDeclaration;\nexports.functionExpression =
functionExpression;\nexports.identifier = identifier;\nexports.ifStatement = ifStatement;\nexports.labeledStatement
= labeledStatement;\nexports.stringLiteral = stringLiteral;\nexports.numericLiteral =
numericLiteral;\nexports.nullLiteral = nullLiteral;\nexports.booleanLiteral = booleanLiteral;\nexports.regExpLiteral

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= regExpLiteral;\nexports.logicalExpression = logicalExpression;\nexports.memberExpression =
memberExpression;\nexports.newExpression = newExpression;\nexports.program =
program;\nexports.objectExpression = objectExpression;\nexports.objectMethod =
objectMethod;\nexports.objectProperty
= objectProperty;\nexports.restElement = restElement;\nexports.returnStatement =
returnStatement;\nexports.sequenceExpression = sequenceExpression;\nexports.parenthesizedExpression =
parenthesizedExpression;\nexports.switchCase = switchCase;\nexports.switchStatement =
switchStatement;\nexports.thisExpression = thisExpression;\nexports.throwStatement =
throwStatement;\nexports.tryStatement = tryStatement;\nexports.unaryExpression =
unaryExpression;\nexports.updateExpression = updateExpression;\nexports.variableDeclaration =
variableDeclaration;\nexports.variableDeclarator = variableDeclarator;\nexports.whileStatement =
whileStatement;\nexports.withStatement = withStatement;\nexports.assignmentPattern =
assignmentPattern;\nexports.arrayPattern = arrayPattern;\nexports.arrowFunctionExpression =
arrowFunctionExpression;\nexports.classBody = classBody;\nexports.classExpression =
classExpression;\nexports.classDeclaration = classDeclaration;\nexports.exportAllDeclaration
= exportAllDeclaration;\nexports.exportDefaultDeclaration =
exportDefaultDeclaration;\nexports.exportNamedDeclaration = exportNamedDeclaration;\nexports.exportSpecifier
= exportSpecifier;\nexports.forOfStatement = forOfStatement;\nexports.importDeclaration =
importDeclaration;\nexports.importDefaultSpecifier = importDefaultSpecifier;\nexports.importNamespaceSpecifier
= importNamespaceSpecifier;\nexports.importSpecifier = importSpecifier;\nexports.metaProperty =
metaProperty;\nexports.classMethod = classMethod;\nexports.objectPattern =
objectPattern;\nexports.spreadElement = spreadElement;\nexports.super =
_super;\nexports.taggedTemplateExpression = taggedTemplateExpression;\nexports.templateElement =
templateElement;\nexports.templateLiteral = templateLiteral;\nexports.yieldExpression =
yieldExpression;\nexports.awaitExpression = awaitExpression;\nexports.import = _import;\nexports.bigIntLiteral =
bigIntLiteral;\nexports.exportNamespaceSpecifier =
exportNamespaceSpecifier;\nexports.optionalMemberExpression
= optionalMemberExpression;\nexports.optionalCallExpression =
optionalCallExpression;\nexports.anyTypeAnnotation = anyTypeAnnotation;\nexports.arrayTypeAnnotation =
arrayTypeAnnotation;\nexports.booleanTypeAnnotation =
booleanTypeAnnotation;\nexports.booleanLiteralTypeAnnotation =
booleanLiteralTypeAnnotation;\nexports.nullLiteralTypeAnnotation =
nullLiteralTypeAnnotation;\nexports.classImplements = classImplements;\nexports.declareClass =
declareClass;\nexports.declareFunction = declareFunction;\nexports.declareInterface =
declareInterface;\nexports.declareModule = declareModule;\nexports.declareModuleExports =
declareModuleExports;\nexports.declareTypeAlias = declareTypeAlias;\nexports.declareOpaqueType =
declareOpaqueType;\nexports.declareVariable = declareVariable;\nexports.declareExportDeclaration =
declareExportDeclaration;\nexports.declareExportAllDeclaration =
declareExportAllDeclaration;\nexports.declaredPredicate = declaredPredicate;\nexports.existsTypeAnnotation
= existsTypeAnnotation;\nexports.functionTypeAnnotation =
functionTypeAnnotation;\nexports.functionTypeParam = functionTypeParam;\nexports.genericTypeAnnotation =
genericTypeAnnotation;\nexports.inferredPredicate = inferredPredicate;\nexports.interfaceExtends =
interfaceExtends;\nexports.interfaceDeclaration = interfaceDeclaration;\nexports.interfaceTypeAnnotation =
interfaceTypeAnnotation;\nexports.intersectionTypeAnnotation =
intersectionTypeAnnotation;\nexports.mixedTypeAnnotation =
mixedTypeAnnotation;\nexports.emptyTypeAnnotation = emptyTypeAnnotation;\nexports.nullableTypeAnnotation
= nullableTypeAnnotation;\nexports.numberLiteralTypeAnnotation =
numberLiteralTypeAnnotation;\nexports.numberTypeAnnotation =

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numberTypeAnnotation;\nexports.objectTypeAnnotation = objectTypeAnnotation;\nexports.objectTypeInternalSlot
= objectTypeInternalSlot;\nexports.objectTypeCallProperty = objectTypeCallProperty;\nexports.objectTypeIndexer
= objectTypeIndexer;\nexports.objectTypeProperty
= objectTypeProperty;\nexports.objectTypeSpreadProperty = objectTypeSpreadProperty;\nexports.opaqueType =
opaqueType;\nexports.qualifiedTypeIdentifier = qualifiedTypeIdentifier;\nexports.stringLiteralTypeAnnotation =
stringLiteralTypeAnnotation;\nexports.stringTypeAnnotation =
stringTypeAnnotation;\nexports.symbolTypeAnnotation = symbolTypeAnnotation;\nexports.thisTypeAnnotation =
thisTypeAnnotation;\nexports.tupleTypeAnnotation = tupleTypeAnnotation;\nexports.typeofTypeAnnotation =
typeofTypeAnnotation;\nexports.typeAlias = typeAlias;\nexports.typeAnnotation =
typeAnnotation;\nexports.typeCastExpression = typeCastExpression;\nexports.typeParameter =
typeParameter;\nexports.typeParameterDeclaration =
typeParameterDeclaration;\nexports.typeParameterInstantiation =
typeParameterInstantiation;\nexports.unionTypeAnnotation = unionTypeAnnotation;\nexports.variance =
variance;\nexports.voidTypeAnnotation = voidTypeAnnotation;\nexports.enumDeclaration =
enumDeclaration;\nexports.enumBooleanBody
= enumBooleanBody;\nexports.enumNumberBody = enumNumberBody;\nexports.enumStringBody =
enumStringBody;\nexports.enumSymbolBody = enumSymbolBody;\nexports.enumBooleanMember =
enumBooleanMember;\nexports.enumNumberMember = enumNumberMember;\nexports.enumStringMember =
enumStringMember;\nexports.enumDefaultedMember = enumDefaultedMember;\nexports.indexedAccessType =
indexedAccessType;\nexports.optionalIndexedAccessType = optionalIndexedAccessType;\nexports.jsxAttribute =
exports.jsxAttribute;\nexports.jSXClosingElement = exports.jsxClosingElement =
jsxClosingElement;\nexports.jSXElement = exports.jsxElement = jsxElement;\nexports.jSXEmptyExpression =
exports.jsxEmptyExpression = jsxEmptyExpression;\nexports.jSXExpressionContainer =
exports.jsxExpressionContainer = jsxExpressionContainer;\nexports.jSXSpreadChild = exports.jsxSpreadChild =
jsxSpreadChild;\nexports.jSXIdentifier = exports.jsxIdentifier = jsxIdentifier;\nexports.jSXMemberExpression =
exports.jsxMemberExpression
= jsxMemberExpression;\nexports.jSXNamespacedName = exports.jsxNamespacedName =
jsxNamespacedName;\nexports.jSXOpeningElement = exports.jsxOpeningElement =
jsxOpeningElement;\nexports.jSXSpreadAttribute = exports.jsxSpreadAttribute =
jsxSpreadAttribute;\nexports.jSXText = exports.jsxText = jsxText;\nexports.jSXFragment = exports.jsxFragment =
jsxFragment;\nexports.jSXOpeningFragment = exports.jsxOpeningFragment =
jsxOpeningFragment;\nexports.jSXClosingFragment = exports.jsxClosingFragment =
jsxClosingFragment;\nexports.noop = noop;\nexports.placeholder = placeholder;\nexports.v8IntrinsicIdentifier =
v8IntrinsicIdentifier;\nexports.argumentPlaceholder = argumentPlaceholder;\nexports.bindExpression =
bindExpression;\nexports.classProperty = classProperty;\nexports.pipelineTopicExpression =
pipelineTopicExpression;\nexports.pipelineBareFunction =
pipelineBareFunction;\nexports.pipelinePrimaryTopicReference =
pipelinePrimaryTopicReference;\nexports.classPrivateProperty =
classPrivateProperty;\nexports.classPrivateMethod = classPrivateMethod;\nexports.importAttribute =
importAttribute;\nexports.decorator = decorator;\nexports.doExpression =
doExpression;\nexports.exportDefaultSpecifier = exportDefaultSpecifier;\nexports.privateName =
privateName;\nexports.recordExpression = recordExpression;\nexports.tupleExpression =
tupleExpression;\nexports.decimalLiteral = decimalLiteral;\nexports.staticBlock =
staticBlock;\nexports.moduleExpression = moduleExpression;\nexports.tSParameterProperty =
exports.tsParameterProperty = tsParameterProperty;\nexports.tsDeclareFunction = exports.tsDeclareFunction =
tsDeclareFunction;\nexports.tsDeclareMethod = exports.tsDeclareMethod =
tsDeclareMethod;\nexports.tsQualifiedName = exports.tsQualifiedName =
tsQualifiedName;\nexports.tsCallSignatureDeclaration = exports.tsCallSignatureDeclaration =

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tsCallSignatureDeclaration;\nexports.tsConstructSignatureDeclaration = exports.tsConstructSignatureDeclaration =
tsConstructSignatureDeclaration;\nexports.tsPropertySignature
= exports.tsPropertySignature = tsPropertySignature;\nexports.tsMethodSignature = exports.tsMethodSignature =
tsMethodSignature;\nexports.tsIndexSignature = exports.tsIndexSignature =
tsIndexSignature;\nexports.tsAnyKeyword = exports.tsAnyKeyword =
tsAnyKeyword;\nexports.tsBooleanKeyword = exports.tsBooleanKeyword =
tsBooleanKeyword;\nexports.tsBigIntKeyword = exports.tsBigIntKeyword =
tsBigIntKeyword;\nexports.tsIntrinsicKeyword = exports.tsIntrinsicKeyword =
tsIntrinsicKeyword;\nexports.tsNeverKeyword = exports.tsNeverKeyword =
tsNeverKeyword;\nexports.tsNullKeyword = exports.tsNullKeyword =
tsNullKeyword;\nexports.tsNumberKeyword = exports.tsNumberKeyword =
tsNumberKeyword;\nexports.tsObjectKeyword = exports.tsObjectKeyword =
tsObjectKeyword;\nexports.tsStringKeyword = exports.tsStringKeyword =
tsStringKeyword;\nexports.tsSymbolKeyword = exports.tsSymbolKeyword =
tsSymbolKeyword;\nexports.tsUndefinedKeyword = exports.tsUndefinedKeyword =
tsUndefinedKeyword;\nexports.tsUnknownKeyword
= exports.tsUnknownKeyword = tsUnknownKeyword;\nexports.tsVoidKeyword = exports.tsVoidKeyword =
tsVoidKeyword;\nexports.tsThisType = exports.tsThisType = tsThisType;\nexports.tsFunctionType =
exports.tsFunctionType = tsFunctionType;\nexports.tsConstructorType = exports.tsConstructorType =
tsConstructorType;\nexports.tsTypeReference = exports.tsTypeReference =
tsTypeReference;\nexports.tsTypePredicate = exports.tsTypePredicate = tsTypePredicate;\nexports.tsTypeQuery =
exports.tsTypeQuery = tsTypeQuery;\nexports.tsTypeLiteral = exports.tsTypeLiteral =
tsTypeLiteral;\nexports.tsArrayType = exports.tsArrayType = tsArrayType;\nexports.tsTupleType =
exports.tsTupleType = tsTupleType;\nexports.tsOptionalType = exports.tsOptionalType =
tsOptionalType;\nexports.tsRestType = exports.tsRestType = tsRestType;\nexports.tsNamedTupleMember =
exports.tsNamedTupleMember = tsNamedTupleMember;\nexports.tsUnionType = exports.tsUnionType =
tsUnionType;\nexports.tsIntersectionType
= exports.tsIntersectionType = tsIntersectionType;\nexports.tsConditionalType = exports.tsConditionalType =
tsConditionalType;\nexports.tsInferType = exports.tsInferType = tsInferType;\nexports.tsParenthesizedType =
exports.tsParenthesizedType = tsParenthesizedType;\nexports.tsTypeOperator = exports.tsTypeOperator =
tsTypeOperator;\nexports.tsIndexedAccessType = exports.tsIndexedAccessType =
tsIndexedAccessType;\nexports.tsMappedType = exports.tsMappedType = tsMappedType;\nexports.tsLiteralType
= exports.tsLiteralType = tsLiteralType;\nexports.tsExpressionWithTypeArguments =
exports.tsExpressionWithTypeArguments = tsExpressionWithTypeArguments;\nexports.tsInterfaceDeclaration =
exports.tsInterfaceDeclaration = tsInterfaceDeclaration;\nexports.tsInterfaceBody = exports.tsInterfaceBody =
tsInterfaceBody;\nexports.tsTypeAliasDeclaration = exports.tsTypeAliasDeclaration =
tsTypeAliasDeclaration;\nexports.tsAsExpression = exports.tsAsExpression =
tsAsExpression;\nexports.tsTypeAssertion
= exports.tsTypeAssertion = tsTypeAssertion;\nexports.tsEnumDeclaration = exports.tsEnumDeclaration =
tsEnumDeclaration;\nexports.tsEnumMember = exports.tsEnumMember =
tsEnumMember;\nexports.tsModuleDeclaration = exports.tsModuleDeclaration =
tsModuleDeclaration;\nexports.tsModuleBlock = exports.tsModuleBlock = tsModuleBlock;\nexports.tsImportType
= exports.tsImportType = tsImportType;\nexports.tsImportEqualsDeclaration = exports.tsImportEqualsDeclaration
= tsImportEqualsDeclaration;\nexports.tsExternalModuleReference = exports.tsExternalModuleReference =
tsExternalModuleReference;\nexports.tsNonNullExpression = exports.tsNonNullExpression =
tsNonNullExpression;\nexports.tsExportAssignment = exports.tsExportAssignment =
tsExportAssignment;\nexports.tsNamespaceExportDeclaration = exports.tsNamespaceExportDeclaration =
tsNamespaceExportDeclaration;\nexports.tsTypeAnnotation = exports.tsTypeAnnotation =

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tsTypeAnnotation;\nexports.tsTypeParameterInstantiation = exports.tsTypeParameterInstantiation
= tsTypeParameterInstantiation;\nexports.tsTypeParameterDeclaration = exports.tsTypeParameterDeclaration =
tsTypeParameterDeclaration;\nexports.tsTypeParameter = exports.tsTypeParameter =
tsTypeParameter;\nexports.numberLiteral = NumberLiteral;\nexports.regexLiteral =
RegexLiteral;\nexports.restProperty = RestProperty;\nexports.spreadProperty = SpreadProperty;\n\nvar _builder =
require("../builder");\n\nfunction arrayExpression(elements) {\n return (0, _builder.default)("ArrayExpression",
...arguments);\n}\n\nfunction assignmentExpression(operator, left, right) {\n return (0,
_builder.default)("AssignmentExpression", ...arguments);\n}\n\nfunction binaryExpression(operator, left, right) {\n
return (0, _builder.default)("BinaryExpression", ...arguments);\n}\n\nfunction interpreterDirective(value) {\n
return (0, _builder.default)("InterpreterDirective", ...arguments);\n}\n\nfunction directive(value) {\n return (0,
_builder.default)("Directive", ...arguments);\n}\n\nfunction
directiveLiteral(value) {\n return (0, _builder.default)("DirectiveLiteral", ...arguments);\n}\n\nfunction
blockStatement(body, directives) {\n return (0, _builder.default)("BlockStatement", ...arguments);\n}\n\nfunction
breakStatement(label) {\n return (0, _builder.default)("BreakStatement", ...arguments);\n}\n\nfunction
callExpression(callee, _arguments) {\n return (0, _builder.default)("CallExpression", ...arguments);\n}\n\nfunction
catchClause(param, body) {\n return (0, _builder.default)("CatchClause", ...arguments);\n}\n\nfunction
conditionalExpression(test, consequent, alternate) {\n return (0, _builder.default)("ConditionalExpression",
...arguments);\n}\n\nfunction continueStatement(label) {\n return (0, _builder.default)("ContinueStatement",
...arguments);\n}\n\nfunction debuggerStatement() {\n return (0, _builder.default)("DebuggerStatement",
...arguments);\n}\n\nfunction doWhileStatement(test, body) {\n return (0, _builder.default)("DoWhileStatement",
...arguments);\n}\n\nfunction emptyStatement() {\n return (0, _builder.default)("EmptyStatement",
...arguments);\n}\n\nfunction expressionStatement(expression) {\n return (0,
_builder.default)("ExpressionStatement", ...arguments);\n}\n\nfunction file(program, comments, tokens) {\n return
(0, _builder.default)("File", ...arguments);\n}\n\nfunction forInStatement(left, right, body) {\n return (0,
_builder.default)("ForInStatement", ...arguments);\n}\n\nfunction forStatement(init, test, update, body) {\n return
(0, _builder.default)("ForStatement", ...arguments);\n}\n\nfunction functionDeclaration(id, params, body,
generator, async) {\n return (0, _builder.default)("FunctionDeclaration", ...arguments);\n}\n\nfunction
functionExpression(id, params, body, generator, async) {\n return (0, _builder.default)("FunctionExpression",
...arguments);\n}\n\nfunction identifier(name) {\n return (0, _builder.default)("Identifier",
...arguments);\n}\n\nfunction
ifStatement(test, consequent, alternate) {\n return (0, _builder.default)("IfStatement",
...arguments);\n}\n\nfunction labeledStatement(label, body) {\n return (0, _builder.default)("LabeledStatement",
...arguments);\n}\n\nfunction stringLiteral(value) {\n return (0, _builder.default)("StringLiteral",
...arguments);\n}\n\nfunction numericLiteral(value) {\n return (0, _builder.default)("NumericLiteral",
...arguments);\n}\n\nfunction nullLiteral() {\n return (0, _builder.default)("NullLiteral",
...arguments);\n}\n\nfunction booleanLiteral(value) {\n return (0, _builder.default)("BooleanLiteral",
...arguments);\n}\n\nfunction regExpLiteral(pattern, flags) {\n return (0, _builder.default)("RegExpLiteral",
...arguments);\n}\n\nfunction logicalExpression(operator, left, right) {\n return (0,
_builder.default)("LogicalExpression", ...arguments);\n}\n\nfunction memberExpression(object, property,
computed, optional) {\n return (0, _builder.default)("MemberExpression",
...arguments);\n}\n\nfunction newExpression(callee, _arguments) {\n return (0,
_builder.default)("NewExpression", ...arguments);\n}\n\nfunction program(body, directives, sourceType,
interpreter) {\n return (0, _builder.default)("Program", ...arguments);\n}\n\nfunction objectExpression(properties)
{\n return (0, _builder.default)("ObjectExpression", ...arguments);\n}\n\nfunction objectMethod(kind, key,
params, body, computed, generator, async) {\n return (0, _builder.default)("ObjectMethod",
...arguments);\n}\n\nfunction objectProperty(key, value, computed, shorthand, decorators) {\n return (0,
_builder.default)("ObjectProperty", ...arguments);\n}\n\nfunction restElement(argument) {\n return (0,
_builder.default)("RestElement", ...arguments);\n}\n\nfunction returnStatement(argument) {\n return (0,

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_builder.default)("ReturnStatement", ...arguments);\n}\n\nfunction sequenceExpression(expressions) {\n return (0,
_builder.default)("SequenceExpression", ...arguments);\n}\n\nfunction
parenthesizedExpression(expression) {\n return (0, _builder.default)("ParenthesizedExpression",
...arguments);\n}\n\nfunction switchCase(test, consequent) {\n return (0, _builder.default)("SwitchCase",
...arguments);\n}\n\nfunction switchStatement(discriminant, cases) {\n return (0,
_builder.default)("SwitchStatement", ...arguments);\n}\n\nfunction thisExpression() {\n return (0,
_builder.default)("ThisExpression", ...arguments);\n}\n\nfunction throwStatement(argument) {\n return (0,
_builder.default)("ThrowStatement", ...arguments);\n}\n\nfunction tryStatement(block, handler, finalizer) {\n
return (0, _builder.default)("TryStatement", ...arguments);\n}\n\nfunction unaryExpression(operator, argument,
prefix) {\n return (0, _builder.default)("UnaryExpression", ...arguments);\n}\n\nfunction
updateExpression(operator, argument, prefix) {\n return (0, _builder.default)("UpdateExpression",
...arguments);\n}\n\nfunction variableDeclaration(kind,
declarations) {\n return (0, _builder.default)("VariableDeclaration", ...arguments);\n}\n\nfunction
variableDeclarator(id, init) {\n return (0, _builder.default)("VariableDeclarator", ...arguments);\n}\n\nfunction
whileStatement(test, body) {\n return (0, _builder.default)("WhileStatement", ...arguments);\n}\n\nfunction
withStatement(object, body) {\n return (0, _builder.default)("WithStatement", ...arguments);\n}\n\nfunction
assignmentPattern(left, right) {\n return (0, _builder.default)("AssignmentPattern", ...arguments);\n}\n\nfunction
arrayPattern(elements) {\n return (0, _builder.default)("ArrayPattern", ...arguments);\n}\n\nfunction
arrowFunctionExpression(params, body, async) {\n return (0, _builder.default)("ArrowFunctionExpression",
...arguments);\n}\n\nfunction classBody(body) {\n return (0, _builder.default)("ClassBody",
...arguments);\n}\n\nfunction classExpression(id, superClass, body, decorators) {\n return (0,
_builder.default)("ClassExpression",
...arguments);\n}\n\nfunction classDeclaration(id, superClass, body, decorators) {\n return (0,
_builder.default)("ClassDeclaration", ...arguments);\n}\n\nfunction exportAllDeclaration(source) {\n return (0,
_builder.default)("ExportAllDeclaration", ...arguments);\n}\n\nfunction exportDefaultDeclaration(declaration) {\n
return (0, _builder.default)("ExportDefaultDeclaration", ...arguments);\n}\n\nfunction
exportNamedDeclaration(declaration, specifiers, source) {\n return (0,
_builder.default)("ExportNamedDeclaration", ...arguments);\n}\n\nfunction exportSpecifier(local, exported) {\n
return (0, _builder.default)("ExportSpecifier", ...arguments);\n}\n\nfunction forOfStatement(left, right, body,
_await) {\n return (0, _builder.default)("ForOfStatement", ...arguments);\n}\n\nfunction
importDeclaration(specifiers, source) {\n return (0, _builder.default)("ImportDeclaration",
...arguments);\n}\n\nfunction importDefaultSpecifier(local) {\n return (0,
_builder.default)("ImportDefaultSpecifier",
...arguments);\n}\n\nfunction importNamespaceSpecifier(local) {\n return (0,
_builder.default)("ImportNamespaceSpecifier", ...arguments);\n}\n\nfunction importSpecifier(local, imported) {\n
return (0, _builder.default)("ImportSpecifier", ...arguments);\n}\n\nfunction metaProperty(meta, property) {\n
return (0, _builder.default)("MetaProperty", ...arguments);\n}\n\nfunction classMethod(kind, key, params, body,
computed, _static, generator, async) {\n return (0, _builder.default)("ClassMethod", ...arguments);\n}\n\nfunction
objectPattern(properties) {\n return (0, _builder.default)("ObjectPattern", ...arguments);\n}\n\nfunction
spreadElement(argument) {\n return (0, _builder.default)("SpreadElement", ...arguments);\n}\n\nfunction _super()
{\n return (0, _builder.default)("Super", ...arguments);\n}\n\nfunction taggedTemplateExpression(tag, quasi) {\n
return (0, _builder.default)("TaggedTemplateExpression", ...arguments);\n}\n\nfunction
templateElement(value, tail) {\n return (0, _builder.default)("TemplateElement", ...arguments);\n}\n\nfunction
templateLiteral(quasis, expressions) {\n return (0, _builder.default)("TemplateLiteral",
...arguments);\n}\n\nfunction yieldExpression(argument, delegate) {\n return (0,
_builder.default)("YieldExpression", ...arguments);\n}\n\nfunction awaitExpression(argument) {\n return (0,
_builder.default)("AwaitExpression", ...arguments);\n}\n\nfunction _import() {\n return (0,
_builder.default)("Import", ...arguments);\n}\n\nfunction bigIntLiteral(value) {\n return (0,

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_builder.default)("BigIntLiteral", ...arguments);\n\nfunction exportNamespaceSpecifier(exported) {\n return (0,
_builder.default)("ExportNamespaceSpecifier", ...arguments);\n}\n\nfunction optionalMemberExpression(object,
property, computed, optional) {\n return (0, _builder.default)("OptionalMemberExpression",
...arguments);\n}\n\nfunction optionalCallExpression(callee, _arguments, optional)
{\n return (0, _builder.default)("OptionalCallExpression", ...arguments);\n}\n\nfunction anyTypeAnnotation() {\n
return (0, _builder.default)("AnyTypeAnnotation", ...arguments);\n}\n\nfunction
arrayTypeAnnotation(elementType) {\n return (0, _builder.default)("ArrayTypeAnnotation",
...arguments);\n}\n\nfunction booleanTypeAnnotation() {\n return (0,
_builder.default)("BooleanTypeAnnotation", ...arguments);\n}\n\nfunction booleanLiteralTypeAnnotation(value)
{\n return (0, _builder.default)("BooleanLiteralTypeAnnotation", ...arguments);\n}\n\nfunction
nullLiteralTypeAnnotation() {\n return (0, _builder.default)("NullLiteralTypeAnnotation",
...arguments);\n}\n\nfunction classImplements(id, typeParameters) {\n return (0,
_builder.default)("ClassImplements", ...arguments);\n}\n\nfunction declareClass(id, typeParameters, _extends,
body) {\n return (0, _builder.default)("DeclareClass", ...arguments);\n}\n\nfunction declareFunction(id) {\n return
(0, _builder.default)("DeclareFunction",
...arguments);\n}\n\nfunction declareInterface(id, typeParameters, _extends, body) {\n return (0,
_builder.default)("DeclareInterface", ...arguments);\n}\n\nfunction declareModule(id, body, kind) {\n return (0,
_builder.default)("DeclareModule", ...arguments);\n}\n\nfunction declareModuleExports(typeAnnotation) {\n
return (0, _builder.default)("DeclareModuleExports", ...arguments);\n}\n\nfunction declareTypeAlias(id,
typeParameters, right) {\n return (0, _builder.default)("DeclareTypeAlias", ...arguments);\n}\n\nfunction
declareOpaqueType(id, typeParameters, supertype) {\n return (0, _builder.default)("DeclareOpaqueType",
...arguments);\n}\n\nfunction declareVariable(id) {\n return (0, _builder.default)("DeclareVariable",
...arguments);\n}\n\nfunction declareExportDeclaration(declaration, specifiers, source) {\n return (0,
_builder.default)("DeclareExportDeclaration", ...arguments);\n}\n\nfunction declareExportAllDeclaration(source)
{\n return
(0, _builder.default)("DeclareExportAllDeclaration", ...arguments);\n}\n\nfunction declaredPredicate(value) {\n
return (0, _builder.default)("DeclaredPredicate", ...arguments);\n}\n\nfunction existsTypeAnnotation() {\n return
(0, _builder.default)("ExistsTypeAnnotation", ...arguments);\n}\n\nfunction
functionTypeAnnotation(typeParameters, params, rest, returnType) {\n return (0,
_builder.default)("FunctionTypeAnnotation", ...arguments);\n}\n\nfunction functionTypeParam(name,
typeAnnotation) {\n return (0, _builder.default)("FunctionTypeParam", ...arguments);\n}\n\nfunction
genericTypeAnnotation(id, typeParameters) {\n return (0, _builder.default)("GenericTypeAnnotation",
...arguments);\n}\n\nfunction inferredPredicate() {\n return (0, _builder.default)("InferredPredicate",
...arguments);\n}\n\nfunction interfaceExtends(id, typeParameters) {\n return (0,
_builder.default)("InterfaceExtends", ...arguments);\n}\n\nfunction interfaceDeclaration(id, typeParameters,
_extends, body) {\n return (0, _builder.default)("InterfaceDeclaration", ...arguments);\n}\n\nfunction
interfaceTypeAnnotation(_extends, body) {\n return (0, _builder.default)("InterfaceTypeAnnotation",
...arguments);\n}\n\nfunction intersectionTypeAnnotation(types) {\n return (0,
_builder.default)("IntersectionTypeAnnotation", ...arguments);\n}\n\nfunction mixedTypeAnnotation() {\n return
(0, _builder.default)("MixedTypeAnnotation", ...arguments);\n}\n\nfunction emptyTypeAnnotation() {\n return (0,
_builder.default)("EmptyTypeAnnotation", ...arguments);\n}\n\nfunction nullableTypeAnnotation(typeAnnotation)
{\n return (0, _builder.default)("NullableTypeAnnotation", ...arguments);\n}\n\nfunction
numberLiteralTypeAnnotation(value) {\n return (0, _builder.default)("NumberLiteralTypeAnnotation",
...arguments);\n}\n\nfunction numberTypeAnnotation() {\n return (0, _builder.default)("NumberTypeAnnotation",
...arguments);\n}\n\nfunction objectTypeAnnotation(properties,
indexers, callProperties, internalSlots, exact) {\n return (0, _builder.default)("ObjectTypeAnnotation",
...arguments);\n}\n\nfunction objectTypeInternalSlot(id, value, optional, _static, method) {\n return (0,
_builder.default)("ObjectTypeInternalSlot", ...arguments);\n}\n\nfunction objectTypeCallProperty(value) {\n

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return (0, _builder.default)("ObjectTypeCallProperty\", ...arguments);\n}\n\nfunction objectTypeIndexer(id, key,
value, variance) {\n return (0, _builder.default)("ObjectTypeIndexer\", ...arguments);\n}\n\nfunction
objectTypeProperty(key, value, variance) {\n return (0, _builder.default)("ObjectTypeProperty\",
...arguments);\n}\n\nfunction objectTypeSpreadProperty(argument) {\n return (0,
_builder.default)("ObjectTypeSpreadProperty\", ...arguments);\n}\n\nfunction opaqueType(id, typeParameters,
supertype, impltype) {\n return (0, _builder.default)("OpaqueType\", ...arguments);\n}\n\nfunction
qualifiedTypeIdentifier(id, qualification) {\n return (0, _builder.default)("QualifiedTypeIdentifier\",
...arguments);\n}\n\nfunction stringLiteralTypeAnnotation(value) {\n return (0,
_builder.default)("StringLiteralTypeAnnotation\", ...arguments);\n}\n\nfunction stringTypeAnnotation() {\n return
(0, _builder.default)("StringTypeAnnotation\", ...arguments);\n}\n\nfunction symbolTypeAnnotation() {\n return
(0, _builder.default)("SymbolTypeAnnotation\", ...arguments);\n}\n\nfunction thisTypeAnnotation() {\n return (0,
_builder.default)("ThisTypeAnnotation\", ...arguments);\n}\n\nfunction tupleTypeAnnotation(types) {\n return (0,
_builder.default)("TupleTypeAnnotation\", ...arguments);\n}\n\nfunction typeofTypeAnnotation(argument) {\n
return (0, _builder.default)("TypeofTypeAnnotation\", ...arguments);\n}\n\nfunction typeAlias(id, typeParameters,
right) {\n return (0, _builder.default)("TypeAlias\", ...arguments);\n}\n\nfunction typeAnnotation(typeAnnotation)
{\n return (0, _builder.default)("TypeAnnotation\", ...arguments);\n}\n\nfunction
typeCastExpression(expression, typeAnnotation) {\n return (0, _builder.default)("TypeCastExpression\",
...arguments);\n}\n\nfunction typeParameter(bound, _default, variance) {\n return (0,
_builder.default)("TypeParameter\", ...arguments);\n}\n\nfunction typeParameterDeclaration(params) {\n return (0,
_builder.default)("TypeParameterDeclaration\", ...arguments);\n}\n\nfunction typeParameterInstantiation(params)
{\n return (0, _builder.default)("TypeParameterInstantiation\", ...arguments);\n}\n\nfunction
unionTypeAnnotation(types) {\n return (0, _builder.default)("UnionTypeAnnotation\",
...arguments);\n}\n\nfunction variance(kind) {\n return (0, _builder.default)("Variance\",
...arguments);\n}\n\nfunction voidTypeAnnotation() {\n return (0, _builder.default)("VoidTypeAnnotation\",
...arguments);\n}\n\nfunction enumDeclaration(id, body) {\n return (0, _builder.default)("EnumDeclaration\",
...arguments);\n}\n\nfunction enumBooleanBody(members) {\n return (0, _builder.default)("EnumBooleanBody\",
...arguments);\n}\n\nfunction enumNumberBody(members) {\n return (0, _builder.default)("EnumNumberBody\",
...arguments);\n}\n\nfunction enumStringBody(members) {\n return (0, _builder.default)("EnumStringBody\",
...arguments);\n}\n\nfunction enumSymbolBody(members) {\n return (0, _builder.default)("EnumSymbolBody\",
...arguments);\n}\n\nfunction enumBooleanMember(id) {\n return (0, _builder.default)("EnumBooleanMember\",
...arguments);\n}\n\nfunction enumNumberMember(id, init) {\n return (0,
_builder.default)("EnumNumberMember\", ...arguments);\n}\n\nfunction enumStringMember(id, init) {\n return
(0, _builder.default)("EnumStringMember\", ...arguments);\n}\n\nfunction enumDefaultedMember(id) {\n return
(0, _builder.default)("EnumDefaultedMember\", ...arguments);\n}\n\nfunction indexedAccessType(objectType,
indexType) {\n return (0, _builder.default)("IndexedAccessType\", ...arguments);\n}\n\nfunction
optionalIndexedAccessType(objectType,
indexType) {\n return (0, _builder.default)("OptionalIndexedAccessType\", ...arguments);\n}\n\nfunction
jsxAttribute(name, value) {\n return (0, _builder.default)("JSXAttribute\", ...arguments);\n}\n\nfunction
jsxClosingElement(name) {\n return (0, _builder.default)("JSXClosingElement\", ...arguments);\n}\n\nfunction
jsxElement(openingElement, closingElement, children, selfClosing) {\n return (0,
_builder.default)("JSXElement\", ...arguments);\n}\n\nfunction jsxEmptyExpression() {\n return (0,
_builder.default)("JSXEmptyExpression\", ...arguments);\n}\n\nfunction jsxExpressionContainer(expression) {\n
return (0, _builder.default)("JSXExpressionContainer\", ...arguments);\n}\n\nfunction jsxSpreadChild(expression)
{\n return (0, _builder.default)("JSXSpreadChild\", ...arguments);\n}\n\nfunction jsxIdentifier(name) {\n return (0,
_builder.default)("JSXIdentifier\", ...arguments);\n}\n\nfunction jsxMemberExpression(object, property) {\n return
(0, _builder.default)("JSXMemberExpression\",
...arguments);\n}\n\nfunction jsxNamespacedName(namespace, name) {\n return (0,
_builder.default)("JSXNamespacedName\", ...arguments);\n}\n\nfunction jsxOpeningElement(name, attributes,

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selfClosing) {\n return (0, _builder.default)(\"JSXOpeningElement\", ...arguments);\n}\n\nfunction
jsxSpreadAttribute(argument) {\n return (0, _builder.default)(\"JSXSpreadAttribute\", ...arguments);\n}\n\nfunction
jsxText(value) {\n return (0, _builder.default)(\"JSXText\", ...arguments);\n}\n\nfunction
jsxFragment(openingFragment, closingFragment, children) {\n return (0, _builder.default)(\"JSXFragment\",
...arguments);\n}\n\nfunction jsxOpeningFragment() {\n return (0, _builder.default)(\"JSXOpeningFragment\",
...arguments);\n}\n\nfunction jsxClosingFragment() {\n return (0, _builder.default)(\"JSXClosingFragment\",
...arguments);\n}\n\nfunction noop() {\n return (0, _builder.default)(\"Noop\", ...arguments);\n}\n\nfunction
placeholder(expectedNode, name) {\n return (0,
_builder.default)(\"Placeholder\", ...arguments);\n}\n\nfunction v8IntrinsicIdentifier(name) {\n return (0,
_builder.default)(\"V8IntrinsicIdentifier\", ...arguments);\n}\n\nfunction argumentPlaceholder() {\n return (0,
_builder.default)(\"ArgumentPlaceholder\", ...arguments);\n}\n\nfunction bindExpression(object, callee) {\n return
(0, _builder.default)(\"BindExpression\", ...arguments);\n}\n\nfunction classProperty(key, value, typeAnnotation,
decorators, computed, _static) {\n return (0, _builder.default)(\"ClassProperty\", ...arguments);\n}\n\nfunction
pipelineTopicExpression(expression) {\n return (0, _builder.default)(\"PipelineTopicExpression\",
...arguments);\n}\n\nfunction pipelineBareFunction(callee) {\n return (0,
_builder.default)(\"PipelineBareFunction\", ...arguments);\n}\n\nfunction pipelinePrimaryTopicReference() {\n
return (0, _builder.default)(\"PipelinePrimaryTopicReference\", ...arguments);\n}\n\nfunction
classPrivateProperty(key, value, decorators, _static)
{\n return (0, _builder.default)(\"ClassPrivateProperty\", ...arguments);\n}\n\nfunction classPrivateMethod(kind,
key, params, body, _static) {\n return (0, _builder.default)(\"ClassPrivateMethod\", ...arguments);\n}\n\nfunction
importAttribute(key, value) {\n return (0, _builder.default)(\"ImportAttribute\", ...arguments);\n}\n\nfunction
decorator(expression) {\n return (0, _builder.default)(\"Decorator\", ...arguments);\n}\n\nfunction
doExpression(body, async) {\n return (0, _builder.default)(\"DoExpression\", ...arguments);\n}\n\nfunction
exportDefaultSpecifier(exported) {\n return (0, _builder.default)(\"ExportDefaultSpecifier\",
...arguments);\n}\n\nfunction privateName(id) {\n return (0, _builder.default)(\"PrivateName\",
...arguments);\n}\n\nfunction recordExpression(properties) {\n return (0, _builder.default)(\"RecordExpression\",
...arguments);\n}\n\nfunction tupleExpression(elements) {\n return (0, _builder.default)(\"TupleExpression\",
...arguments);\n}\n\nfunction
decimalLiteral(value) {\n return (0, _builder.default)(\"DecimalLiteral\", ...arguments);\n}\n\nfunction
staticBlock(body) {\n return (0, _builder.default)(\"StaticBlock\", ...arguments);\n}\n\nfunction
moduleExpression(body) {\n return (0, _builder.default)(\"ModuleExpression\", ...arguments);\n}\n\nfunction
tsParameterProperty(parameter) {\n return (0, _builder.default)(\"TSParameterProperty\",
...arguments);\n}\n\nfunction tsDeclareFunction(id, typeParameters, params, returnType) {\n return (0,
_builder.default)(\"TSDeclareFunction\", ...arguments);\n}\n\nfunction tsDeclareMethod(decorators, key,
typeParameters, params, returnType) {\n return (0, _builder.default)(\"TSDeclareMethod\",
...arguments);\n}\n\nfunction tsQualifiedName(left, right) {\n return (0, _builder.default)(\"TSQualifiedName\",
...arguments);\n}\n\nfunction tsCallSignatureDeclaration(typeParameters, parameters, typeAnnotation) {\n return
(0, _builder.default)(\"TSCallSignatureDeclaration\", ...arguments);\n}\n\nfunction
tsConstructSignatureDeclaration(typeParameters, parameters, typeAnnotation) {\n return (0,
_builder.default)(\"TSConstructSignatureDeclaration\", ...arguments);\n}\n\nfunction tsPropertySignature(key,
typeAnnotation, initializer) {\n return (0, _builder.default)(\"TSPropertySignature\", ...arguments);\n}\n\nfunction
tsMethodSignature(key, typeParameters, parameters, typeAnnotation) {\n return (0,
_builder.default)(\"TSMMethodSignature\", ...arguments);\n}\n\nfunction tsIndexSignature(parameters,
typeAnnotation) {\n return (0, _builder.default)(\"TSIndexSignature\", ...arguments);\n}\n\nfunction
tsAnyKeyword() {\n return (0, _builder.default)(\"TSAnyKeyword\", ...arguments);\n}\n\nfunction
tsBooleanKeyword() {\n return (0, _builder.default)(\"TSBooleanKeyword\", ...arguments);\n}\n\nfunction
tsBigIntKeyword() {\n return (0, _builder.default)(\"TSBigIntKeyword\", ...arguments);\n}\n\nfunction
tsIntrinsicKeyword() {\n return (0, _builder.default)(\"TSIntrinsicKeyword\",

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...arguments);\n}\n\nfunction tsNeverKeyword() {\n return (0, _builder.default)(\"TSNeverKeyword\",
...arguments);\n}\n\nfunction tsNullKeyword() {\n return (0, _builder.default)(\"TSNullKeyword\",
...arguments);\n}\n\nfunction tsNumberKeyword() {\n return (0, _builder.default)(\"TSNumberKeyword\",
...arguments);\n}\n\nfunction tsObjectKeyword() {\n return (0, _builder.default)(\"TSObjectKeyword\",
...arguments);\n}\n\nfunction tsStringKeyword() {\n return (0, _builder.default)(\"TSStringKeyword\",
...arguments);\n}\n\nfunction tsSymbolKeyword() {\n return (0, _builder.default)(\"TSSymbolKeyword\",
...arguments);\n}\n\nfunction tsUndefinedKeyword() {\n return (0, _builder.default)(\"TSUndefinedKeyword\",
...arguments);\n}\n\nfunction tsUnknownKeyword() {\n return (0, _builder.default)(\"TSUnknownKeyword\",
...arguments);\n}\n\nfunction tsVoidKeyword() {\n return (0, _builder.default)(\"TSVoidKeyword\",
...arguments);\n}\n\nfunction tsThisType() {\n return (0, _builder.default)(\"TSThisType\",
...arguments);\n}\n\nfunction tsFunctionType(typeParameters, parameters, typeAnnotation) {\n return (0,
_builder.default)(\"TSFunctionType\", ...arguments);\n}\n\nfunction tsConstructorType(typeParameters, parameters,
typeAnnotation) {\n return (0, _builder.default)(\"TSConstructorType\", ...arguments);\n}\n\nfunction
tsTypeReference(typeName, typeParameters) {\n return (0, _builder.default)(\"TSTypeReference\",
...arguments);\n}\n\nfunction tsTypePredicate(parameterName, typeAnnotation, asserts) {\n return (0,
_builder.default)(\"TSTypePredicate\", ...arguments);\n}\n\nfunction tsTypeQuery(exprName) {\n return (0,
_builder.default)(\"TSTypeQuery\", ...arguments);\n}\n\nfunction tsTypeLiteral(members) {\n return (0,
_builder.default)(\"TSTypeLiteral\", ...arguments);\n}\n\nfunction tsArrayType(elementType) {\n return (0,
_builder.default)(\"TSArrayType\", ...arguments);\n}\n\nfunction tsTupleType(elementTypes) {\n return (0,
_builder.default)(\"TSTupleType\",
...arguments);\n}\n\nfunction tsOptionalType(typeAnnotation) {\n return (0, _builder.default)(\"TSOptionalType\",
...arguments);\n}\n\nfunction tsRestType(typeAnnotation) {\n return (0, _builder.default)(\"TSRestType\",
...arguments);\n}\n\nfunction tsNamedTupleMember(label, elementType, optional) {\n return (0,
_builder.default)(\"TSNamedTupleMember\", ...arguments);\n}\n\nfunction tsUnionType(types) {\n return (0,
_builder.default)(\"TSUnionType\", ...arguments);\n}\n\nfunction tsIntersectionType(types) {\n return (0,
_builder.default)(\"TSIntersectionType\", ...arguments);\n}\n\nfunction tsConditionalType(checkType, extendsType,
trueType, falseType) {\n return (0, _builder.default)(\"TSConditionalType\", ...arguments);\n}\n\nfunction
tsInferType(typeParameter) {\n return (0, _builder.default)(\"TSInferType\", ...arguments);\n}\n\nfunction
tsParenthesizedType(typeAnnotation) {\n return (0, _builder.default)(\"TSParenthesizedType\",
...arguments);\n}\n\nfunction tsTypeOperator(typeAnnotation)
{\n return (0, _builder.default)(\"TSTypeOperator\", ...arguments);\n}\n\nfunction
tsIndexedAccessType(objectType, indexType) {\n return (0, _builder.default)(\"TSIndexedAccessType\",
...arguments);\n}\n\nfunction tsMappedType(typeParameter, typeAnnotation, nameType) {\n return (0,
_builder.default)(\"TSMappedType\", ...arguments);\n}\n\nfunction tsLiteralType(literal) {\n return (0,
_builder.default)(\"TSLiteralType\", ...arguments);\n}\n\nfunction tsExpressionWithTypeArguments(expression,
typeParameters) {\n return (0, _builder.default)(\"TSExpressionWithTypeArguments\",
...arguments);\n}\n\nfunction tsInterfaceDeclaration(id, typeParameters, _extends, body) {\n return (0,
_builder.default)(\"TSInterfaceDeclaration\", ...arguments);\n}\n\nfunction tsInterfaceBody(body) {\n return (0,
_builder.default)(\"TSInterfaceBody\", ...arguments);\n}\n\nfunction tsTypeAliasDeclaration(id, typeParameters,
typeAnnotation) {\n return (0, _builder.default)(\"TSTypeAliasDeclaration\",
...arguments);\n}\n\nfunction tsAsExpression(expression, typeAnnotation) {\n return (0,
_builder.default)(\"TSAsExpression\", ...arguments);\n}\n\nfunction tsTypeAssertion(typeAnnotation, expression)
{\n return (0, _builder.default)(\"TSTypeAssertion\", ...arguments);\n}\n\nfunction tsEnumDeclaration(id,
members) {\n return (0, _builder.default)(\"TSEnumDeclaration\", ...arguments);\n}\n\nfunction
tsEnumMember(id, initializer) {\n return (0, _builder.default)(\"TSEnumMember\", ...arguments);\n}\n\nfunction
tsModuleDeclaration(id, body) {\n return (0, _builder.default)(\"TSMModuleDeclaration\",
...arguments);\n}\n\nfunction tsModuleBlock(body) {\n return (0, _builder.default)(\"TSMModuleBlock\",
...arguments);\n}\n\nfunction tsImportType(argument, qualifier, typeParameters) {\n return (0,

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_builder.default)(\'TSImportType\', ...arguments);\n}\n\nfunction tsImportEqualsDeclaration(id, moduleReference)
{\n return (0, _builder.default)(\'TSImportEqualsDeclaration\', ...arguments);\n}\n\nfunction
tsExternalModuleReference(expression) {\n return (0, _builder.default)(\'TSExternalModuleReference\',
...arguments);\n}\n\nfunction tsNonNullExpression(expression) {\n return (0,
_builder.default)(\'TSNonNullExpression\', ...arguments);\n}\n\nfunction tsExportAssignment(expression) {\n
return (0, _builder.default)(\'TSExportAssignment\', ...arguments);\n}\n\nfunction
tsNamespaceExportDeclaration(id) {\n return (0, _builder.default)(\'TSNamespaceExportDeclaration\',
...arguments);\n}\n\nfunction tsTypeAnnotation(typeAnnotation) {\n return (0,
_builder.default)(\'TSTypeAnnotation\', ...arguments);\n}\n\nfunction tsTypeParameterInstantiation(params) {\n
return (0, _builder.default)(\'TSTypeParameterInstantiation\', ...arguments);\n}\n\nfunction
tsTypeParameterDeclaration(params) {\n return (0, _builder.default)(\'TSTypeParameterDeclaration\',
...arguments);\n}\n\nfunction tsTypeParameter(constraint, _default, name) {\n return (0,
_builder.default)(\'TSTypeParameter\',
...arguments);\n}\n\nfunction NumberLiteral(...args) {\n console.trace(\'The node type NumberLiteral has been
renamed to NumericLiteral\');\n return (0, _builder.default)(\'NumberLiteral\', ...args);\n}\n\nfunction
RegexLiteral(...args) {\n console.trace(\'The node type RegexLiteral has been renamed to RegExpLiteral\');\n
return (0, _builder.default)(\'RegexLiteral\', ...args);\n}\n\nfunction RestProperty(...args) {\n console.trace(\'The
node type RestProperty has been renamed to RestElement\');\n return (0, _builder.default)(\'RestProperty\',
...args);\n}\n\nfunction SpreadProperty(...args) {\n console.trace(\'The node type SpreadProperty has been renamed
to SpreadElement\');\n return (0, _builder.default)(\'SpreadProperty\', ...args);\n}\n}\n\n"use
strict";\n\nObject.defineProperty(exports, \'__esModule\', {\n value: true\n});\n\nexports.ArrayExpression =
exports.arrayExpression = arrayExpression;\nexports.AssignmentExpression = exports.assignmentExpression =
assignmentExpression;\nexports.BinaryExpression
= exports.binaryExpression = binaryExpression;\nexports.InterpreterDirective = exports.interpreterDirective =
interpreterDirective;\nexports.Directive = exports.directive = directive;\nexports.DirectiveLiteral =
exports.directiveLiteral = directiveLiteral;\nexports.BlockStatement = exports.blockStatement =
blockStatement;\nexports.BreakStatement = exports.breakStatement = breakStatement;\nexports.CallExpression =
exports.callExpression = callExpression;\nexports.CatchClause = exports.catchClause =
catchClause;\nexports.ConditionalExpression = exports.conditionalExpression =
conditionalExpression;\nexports.ContinueStatement = exports.continueStatement =
continueStatement;\nexports.DebuggerStatement = exports.debuggerStatement =
debuggerStatement;\nexports.DoWhileStatement = exports.doWhileStatement =
doWhileStatement;\nexports.EmptyStatement = exports.emptyStatement =
emptyStatement;\nexports.ExpressionStatement = exports.expressionStatement =
expressionStatement;\nexports.File = exports.file = file;\nexports.ForInStatement = exports.forInStatement =
forInStatement;\nexports.ForStatement = exports.forStatement = forStatement;\nexports.FunctionDeclaration =
exports.functionDeclaration = functionDeclaration;\nexports.FunctionExpression = exports.functionExpression =
functionExpression;\nexports.Identifier = exports.identifier = identifier;\nexports.IfStatement = exports.ifStatement
= ifStatement;\nexports.LabeledStatement = exports.labeledStatement = labeledStatement;\nexports.StringLiteral =
exports.stringLiteral = stringLiteral;\nexports.NumericLiteral = exports.numericLiteral =
numericLiteral;\nexports.NullLiteral = exports.nullLiteral = nullLiteral;\nexports.BooleanLiteral =
exports.booleanLiteral = booleanLiteral;\nexports.RegExpLiteral = exports.regExpLiteral =
regExpLiteral;\nexports.LogicalExpression = exports.logicalExpression =
logicalExpression;\nexports.MemberExpression = exports.memberExpression =
memberExpression;\nexports.NewExpression
= exports.newExpression = newExpression;\nexports.Program = exports.program =
program;\nexports.ObjectExpression = exports.objectExpression = objectExpression;\nexports.ObjectMethod =
exports.objectMethod = objectMethod;\nexports.ObjectProperty = exports.objectProperty =

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objectProperty;\nexports.RestElement = exports.restElement = restElement;\nexports.ReturnStatement =  
 exports.returnStatement = returnStatement;\nexports.SequenceExpression = exports.sequenceExpression =  
 sequenceExpression;\nexports.ParenthesizedExpression = exports.parenthesizedExpression =  
 parenthesizedExpression;\nexports.SwitchCase = exports.switchCase = switchCase;\nexports.SwitchStatement =  
 exports.switchStatement = switchStatement;\nexports.ThisExpression = exports.thisExpression =  
 thisExpression;\nexports.ThrowStatement = exports.throwStatement = throwStatement;\nexports.TryStatement =  
 exports.tryStatement = tryStatement;\nexports.UnaryExpression = exports.unaryExpression =  
 unaryExpression;\nexports.UpdateExpression  
 = exports.updateExpression = updateExpression;\nexports.VariableDeclaration = exports.variableDeclaration =  
 variableDeclaration;\nexports.VariableDeclarator = exports.variableDeclarator =  
 variableDeclarator;\nexports.WhileStatement = exports.whileStatement = whileStatement;\nexports.WithStatement  
 = exports.withStatement = withStatement;\nexports.AssignmentPattern = exports.assignmentPattern =  
 assignmentPattern;\nexports.ArrayPattern = exports.arrayPattern = arrayPattern;\nexports.ArrowFunctionExpression  
 = exports.arrowFunctionExpression = arrowFunctionExpression;\nexports.ClassBody = exports.classBody =  
 classBody;\nexports.ClassExpression = exports.classExpression = classExpression;\nexports.ClassDeclaration =  
 exports.classDeclaration = classDeclaration;\nexports.ExportAllDeclaration = exports.exportAllDeclaration =  
 exportAllDeclaration;\nexports.ExportDefaultDeclaration = exports.exportDefaultDeclaration =  
 exportDefaultDeclaration;\nexports.ExportNamedDeclaration  
 = exports.exportNamedDeclaration = exportNamedDeclaration;\nexports.ExportSpecifier = exports.exportSpecifier  
 = exportSpecifier;\nexports.ForOfStatement = exports.forOfStatement =  
 forOfStatement;\nexports.ImportDeclaration = exports.importDeclaration =  
 importDeclaration;\nexports.ImportDefaultSpecifier = exports.importDefaultSpecifier =  
 importDefaultSpecifier;\nexports.ImportNamespaceSpecifier = exports.importNamespaceSpecifier =  
 importNamespaceSpecifier;\nexports.ImportSpecifier = exports.importSpecifier =  
 importSpecifier;\nexports.MetaProperty = exports.metaProperty = metaProperty;\nexports.ClassMethod =  
 exports.classMethod = classMethod;\nexports.ObjectPattern = exports.objectPattern =  
 objectPattern;\nexports.SpreadElement = exports.spreadElement = spreadElement;\nexports.super = exports.Super =  
 \_super;\nexports.TaggedTemplateExpression = exports.taggedTemplateExpression =  
 taggedTemplateExpression;\nexports.TemplateElement = exports.templateElement =  
 templateElement;\nexports.TemplateLiteral  
 = exports.templateLiteral = templateLiteral;\nexports.YieldExpression = exports.yieldExpression =  
 yieldExpression;\nexports.AwaitExpression = exports.awaitExpression = awaitExpression;\nexports.import =  
 exports.Import = \_import;\nexports.BigIntLiteral = exports.bigIntLiteral =  
 bigIntLiteral;\nexports.ExportNamespaceSpecifier = exports.exportNamespaceSpecifier =  
 exportNamespaceSpecifier;\nexports.OptionalMemberExpression = exports.optionalMemberExpression =  
 optionalMemberExpression;\nexports.OptionalCallExpression = exports.optionalCallExpression =  
 optionalCallExpression;\nexports.AnyTypeAnnotation = exports.anyTypeAnnotation =  
 anyTypeAnnotation;\nexports.ArrayTypeAnnotation = exports.arrayTypeAnnotation =  
 arrayTypeAnnotation;\nexports.BooleanTypeAnnotation = exports.booleanTypeAnnotation =  
 booleanTypeAnnotation;\nexports.BooleanLiteralTypeAnnotation = exports.booleanLiteralTypeAnnotation =  
 booleanLiteralTypeAnnotation;\nexports.NullLiteralTypeAnnotation = exports.nullLiteralTypeAnnotation  
 = nullLiteralTypeAnnotation;\nexports.ClassImplements = exports.classImplements =  
 classImplements;\nexports.DeclareClass = exports.declareClass = declareClass;\nexports.DeclareFunction =  
 exports.declareFunction = declareFunction;\nexports.DeclareInterface = exports.declareInterface =  
 declareInterface;\nexports.DeclareModule = exports.declareModule =  
 declareModule;\nexports.DeclareModuleExports = exports.declareModuleExports =  
 declareModuleExports;\nexports.DeclareTypeAlias = exports.declareTypeAlias =  
 declareTypeAlias;\nexports.DeclareOpaqueType = exports.declareOpaqueType =

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declareOpaqueType;\nexports.DeclareVariable = exports.declareVariable =
declareVariable;\nexports.DeclareExportDeclaration = exports.declareExportDeclaration =
declareExportDeclaration;\nexports.DeclareExportAllDeclaration = exports.declareExportAllDeclaration =
declareExportAllDeclaration;\nexports.DeclaredPredicate = exports.declaredPredicate =
declaredPredicate;\nexports.ExistsTypeAnnotation
= exports.existsTypeAnnotation = existsTypeAnnotation;\nexports.FunctionTypeAnnotation =
exports.functionTypeAnnotation = functionTypeAnnotation;\nexports.FunctionTypeParam =
exports.functionTypeParam = functionTypeParam;\nexports.GenericTypeAnnotation =
exports.genericTypeAnnotation = genericTypeAnnotation;\nexports.InferredPredicate = exports.inferredPredicate =
inferredPredicate;\nexports.InterfaceExtends = exports.interfaceExtends =
interfaceExtends;\nexports.InterfaceDeclaration = exports.interfaceDeclaration =
interfaceDeclaration;\nexports.InterfaceTypeAnnotation = exports.interfaceTypeAnnotation =
interfaceTypeAnnotation;\nexports.IntersectionTypeAnnotation = exports.intersectionTypeAnnotation =
intersectionTypeAnnotation;\nexports.MixedTypeAnnotation = exports.mixedTypeAnnotation =
mixedTypeAnnotation;\nexports.EmptyTypeAnnotation = exports.emptyTypeAnnotation =
emptyTypeAnnotation;\nexports.NullableTypeAnnotation = exports.nullableTypeAnnotation =
nullableTypeAnnotation;\nexports.NumberLiteralTypeAnnotation
= exports.numberLiteralTypeAnnotation = numberLiteralTypeAnnotation;\nexports.NumberTypeAnnotation =
exports.numberTypeAnnotation = numberTypeAnnotation;\nexports.ObjectTypeAnnotation =
exports.objectTypeAnnotation = objectTypeAnnotation;\nexports.ObjectTypeInternalSlot =
exports.objectTypeInternalSlot = objectTypeInternalSlot;\nexports.ObjectTypeCallProperty =
exports.objectTypeCallProperty = objectTypeCallProperty;\nexports.ObjectTypeIndexer =
exports.objectTypeIndexer = objectTypeIndexer;\nexports.ObjectTypeProperty = exports.objectTypeProperty =
objectTypeProperty;\nexports.ObjectTypeSpreadProperty = exports.objectTypeSpreadProperty =
objectTypeSpreadProperty;\nexports.OpaqueType = exports.opaqueType =
opaqueType;\nexports.QualifiedTypeIdentifier = exports.qualifiedTypeIdentifier =
qualifiedTypeIdentifier;\nexports.StringLiteralTypeAnnotation = exports.stringLiteralTypeAnnotation =
stringLiteralTypeAnnotation;\nexports.StringTypeAnnotation = exports.stringTypeAnnotation
= stringTypeAnnotation;\nexports.SymbolTypeAnnotation = exports.symbolTypeAnnotation =
symbolTypeAnnotation;\nexports.ThisTypeAnnotation = exports.thisTypeAnnotation =
thisTypeAnnotation;\nexports.TupleTypeAnnotation = exports.tupleTypeAnnotation =
tupleTypeAnnotation;\nexports.TypeofTypeAnnotation = exports.typeofTypeAnnotation =
typeofTypeAnnotation;\nexports.TypeAlias = exports.typeAlias = typeAlias;\nexports.TypeAnnotation =
exports.typeAnnotation = typeAnnotation;\nexports.TypeCastExpression = exports.typeCastExpression =
typeCastExpression;\nexports.TypeParameter = exports.typeParameter =
typeParameter;\nexports.TypeParameterDeclaration = exports.typeParameterDeclaration =
typeParameterDeclaration;\nexports.TypeParameterInstantiation = exports.typeParameterInstantiation =
typeParameterInstantiation;\nexports.UnionTypeAnnotation = exports.unionTypeAnnotation =
unionTypeAnnotation;\nexports.Variance = exports.variance = variance;\nexports.VoidTypeAnnotation
= exports.voidTypeAnnotation = voidTypeAnnotation;\nexports.EnumDeclaration = exports.enumDeclaration =
enumDeclaration;\nexports.EnumBooleanBody = exports.enumBooleanBody =
enumBooleanBody;\nexports.EnumNumberBody = exports.enumNumberBody =
enumNumberBody;\nexports.EnumStringBody = exports.enumStringBody =
enumStringBody;\nexports.EnumSymbolBody = exports.enumSymbolBody =
enumSymbolBody;\nexports.EnumBooleanMember = exports.enumBooleanMember =
enumBooleanMember;\nexports.EnumNumberMember = exports.enumNumberMember =
enumNumberMember;\nexports.EnumStringMember = exports.enumStringMember =
enumStringMember;\nexports.EnumDefaultedMember = exports.enumDefaultedMember =

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enumDefaultedMember;\nexports.jsxAttribute = exports.JSXAttribute = exports.jsxAttribute =
jsxAttribute;\nexports.jSXClosingElement = exports.JSXClosingElement = exports.jsxClosingElement =
jsxClosingElement;\nexports.jSXElement = exports.JSXElement = exports.jsxElement =
jsxElement;\nexports.jSXEmptyExpression = exports.JSXEmptyExpression
= exports.jsxEmptyExpression = jsxEmptyExpression;\nexports.jSXExpressionContainer =
exports.JSXExpressionContainer = exports.jsxExpressionContainer =
jsxExpressionContainer;\nexports.jSXSpreadChild = exports.JSXSpreadChild = exports.jsxSpreadChild =
jsxSpreadChild;\nexports.jSXIdentifier = exports.JSXIdentifier = exports.jsxIdentifier =
jsxIdentifier;\nexports.jSXMemberExpression = exports.JSXMemberExpression = exports.jsxMemberExpression =
jsxMemberExpression;\nexports.jSXNamespacedName = exports.JSXNamespacedName =
exports.jsxNamespacedName = jsxNamespacedName;\nexports.jSXOpeningElement =
exports.JSXOpeningElement = exports.jsxOpeningElement = jsxOpeningElement;\nexports.jSXSpreadAttribute =
exports.JSXSpreadAttribute = exports.jsxSpreadAttribute = jsxSpreadAttribute;\nexports.jSXText =
exports.JSXText = exports.jsxText = jsxText;\nexports.jSXFragment = exports.JSXFragment = exports.jsxFragment
= jsxFragment;\nexports.jSXOpeningFragment = exports.JSXOpeningFragment
= exports.jsxOpeningFragment = jsxOpeningFragment;\nexports.jSXClosingFragment =
exports.JSXClosingFragment = exports.jsxClosingFragment = jsxClosingFragment;\nexports.Noop = exports.noop
= noop;\nexports.Placeholder = exports.placeholder = placeholder;\nexports.V8IntrinsicIdentifier =
exports.v8IntrinsicIdentifier = v8IntrinsicIdentifier;\nexports.ArgumentPlaceholder = exports.argumentPlaceholder
= argumentPlaceholder;\nexports.BindExpression = exports.bindExpression =
bindExpression;\nexports.ClassProperty = exports.classProperty = classProperty;\nexports.PipelineTopicExpression
= exports.pipelineTopicExpression = pipelineTopicExpression;\nexports.PipelineBareFunction =
exports.pipelineBareFunction = pipelineBareFunction;\nexports.PipelinePrimaryTopicReference =
exports.pipelinePrimaryTopicReference = pipelinePrimaryTopicReference;\nexports.ClassPrivateProperty =
exports.classPrivateProperty = classPrivateProperty;\nexports.ClassPrivateMethod = exports.classPrivateMethod =
classPrivateMethod;\nexports.ImportAttribute
= exports.importAttribute = importAttribute;\nexports.Decorator = exports.decorator =
decorator;\nexports.DoExpression = exports.doExpression = doExpression;\nexports.ExportDefaultSpecifier =
exports.exportDefaultSpecifier = exportDefaultSpecifier;\nexports.PrivateName = exports.privateName =
privateName;\nexports.RecordExpression = exports.recordExpression =
recordExpression;\nexports.TupleExpression = exports.tupleExpression = tupleExpression;\nexports.DecimalLiteral
= exports.decimalLiteral = decimalLiteral;\nexports.StaticBlock = exports.staticBlock =
staticBlock;\nexports.tSParameterProperty = exports.TSParameterProperty = exports.tsParameterProperty =
tsParameterProperty;\nexports.tSDeclareFunction = exports.TSDeclareFunction = exports.tsDeclareFunction =
tsDeclareFunction;\nexports.tSDeclareMethod = exports.TSDeclareMethod = exports.tsDeclareMethod =
tsDeclareMethod;\nexports.tSQualifiedName = exports.TSQualifiedName = exports.tsQualifiedName
= tsQualifiedName;\nexports.tSCallSignatureDeclaration = exports.TSCallSignatureDeclaration =
exports.tsCallSignatureDeclaration = tsCallSignatureDeclaration;\nexports.tSConstructSignatureDeclaration =
exports.TSConstructSignatureDeclaration = exports.tsConstructSignatureDeclaration =
tsConstructSignatureDeclaration;\nexports.tSPropertySignature = exports.TSPropertySignature =
exports.tsPropertySignature = tsPropertySignature;\nexports.tSMethodSignature = exports.TSMethodSignature =
exports.tsMethodSignature = tsMethodSignature;\nexports.tSIndexSignature = exports.TSIndexSignature =
exports.tsIndexSignature = tsIndexSignature;\nexports.tSAnyKeyword = exports.TSAnyKeyword =
exports.tsAnyKeyword = tsAnyKeyword;\nexports.tsBooleanKeyword = exports.TSBooleanKeyword =
exports.tsBooleanKeyword = tsBooleanKeyword;\nexports.tsBigIntKeyword = exports.TSBigIntKeyword =
exports.tsBigIntKeyword = tsBigIntKeyword;\nexports.tsIntrinsicKeyword = exports.TSIntrinsicKeyword =
exports.tsIntrinsicKeyword

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= tsIntrinsicKeyword;\nexports.tsNeverKeyword = exports.TSNeverKeyword = exports.tsNeverKeyword =
tsNeverKeyword;\nexports.tsNullKeyword = exports.TSNullKeyword = exports.tsNullKeyword =
tsNullKeyword;\nexports.tsNumberKeyword = exports.TSNumberKeyword = exports.tsNumberKeyword =
tsNumberKeyword;\nexports.tsObjectKeyword = exports.TSObjectKeyword = exports.tsObjectKeyword =
tsObjectKeyword;\nexports.tsStringKeyword = exports.TSStringKeyword = exports.tsStringKeyword =
tsStringKeyword;\nexports.tsSymbolKeyword = exports.TSSymbolKeyword = exports.tsSymbolKeyword =
tsSymbolKeyword;\nexports.tsUndefinedKeyword = exports.TSUndefinedKeyword = exports.tsUndefinedKeyword
= tsUndefinedKeyword;\nexports.tsUnknownKeyword = exports.TSUnknownKeyword =
exports.tsUnknownKeyword = tsUnknownKeyword;\nexports.tsVoidKeyword = exports.TSVoidKeyword =
exports.tsVoidKeyword = tsVoidKeyword;\nexports.tsThisType = exports.TSThisType = exports.tsThisType =
tsThisType;\nexports.tsFunctionType = exports.TSFunctionType
= exports.tsFunctionType = tsFunctionType;\nexports.tsConstructorType = exports.TSConstructorType =
exports.tsConstructorType = tsConstructorType;\nexports.tsTypeReference = exports.TSTypeReference =
exports.tsTypeReference = tsTypeReference;\nexports.tsTypePredicate = exports.TSTypePredicate =
exports.tsTypePredicate = tsTypePredicate;\nexports.tsTypeQuery = exports.TSTypeQuery = exports.tsTypeQuery
= tsTypeQuery;\nexports.tsTypeLiteral = exports.TSTypeLiteral = exports.tsTypeLiteral =
tsTypeLiteral;\nexports.tsArrayType = exports.TSArrayType = exports.tsArrayType =
tsArrayType;\nexports.tsTupleType = exports.TSTupleType = exports.tsTupleType =
tsTupleType;\nexports.tsOptionalType = exports.TSOptionalType = exports.tsOptionalType =
tsOptionalType;\nexports.tsRestType = exports.TSRestType = exports.tsRestType =
tsRestType;\nexports.tsNamedTupleMember = exports.TSNamedTupleMember = exports.tsNamedTupleMember =
tsNamedTupleMember;\nexports.tsUnionType = exports.TSUnionType = exports.tsUnionType
= tsUnionType;\nexports.tsIntersectionType = exports.TSIntersectionType = exports.tsIntersectionType =
tsIntersectionType;\nexports.tsConditionalType = exports.TSConditionalType = exports.tsConditionalType =
tsConditionalType;\nexports.tsInferType = exports.TSInferType = exports.tsInferType =
tsInferType;\nexports.tsParenthesizedType = exports.TSParenthesizedType = exports.tsParenthesizedType =
tsParenthesizedType;\nexports.tsTypeOperator = exports.TSTypeOperator = exports.tsTypeOperator =
tsTypeOperator;\nexports.tsIndexedAccessType = exports.TSIndexedAccessType = exports.tsIndexedAccessType
= tsIndexedAccessType;\nexports.tsMappedType = exports.TSMappedType = exports.tsMappedType =
tsMappedType;\nexports.tsLiteralType = exports.TSLiteralType = exports.tsLiteralType =
tsLiteralType;\nexports.tsExpressionWithTypeArguments = exports.TSExpressionWithTypeArguments =
exports.tsExpressionWithTypeArguments = tsExpressionWithTypeArguments;\nexports.tsInterfaceDeclaration =
exports.TSInterfaceDeclaration
= exports.tsInterfaceDeclaration = tsInterfaceDeclaration;\nexports.tsInterfaceBody = exports.TSInterfaceBody =
exports.tsInterfaceBody = tsInterfaceBody;\nexports.tsTypeAliasDeclaration = exports.TSTypeAliasDeclaration =
exports.tsTypeAliasDeclaration = tsTypeAliasDeclaration;\nexports.tsAsExpression = exports.TSAsExpression =
exports.tsAsExpression = tsAsExpression;\nexports.tsTypeAssertion = exports.TSTypeAssertion =
exports.tsTypeAssertion = tsTypeAssertion;\nexports.tsEnumDeclaration = exports.TSEnumDeclaration =
exports.tsEnumDeclaration = tsEnumDeclaration;\nexports.tsEnumMember = exports.TSEnumMember =
exports.tsEnumMember = tsEnumMember;\nexports.tsModuleDeclaration = exports.TSModuleDeclaration =
exports.tsModuleDeclaration = tsModuleDeclaration;\nexports.tsModuleBlock = exports.TSModuleBlock =
exports.tsModuleBlock = tsModuleBlock;\nexports.tsImportType = exports.TSImportType = exports.tsImportType
= tsImportType;\nexports.tsImportEqualsDeclaration
= exports.TSImportEqualsDeclaration = exports.tsImportEqualsDeclaration =
tsImportEqualsDeclaration;\nexports.tsExternalModuleReference = exports.TSExternalModuleReference =
exports.tsExternalModuleReference = tsExternalModuleReference;\nexports.tsNonNullExpression =
exports.TSNonNullExpression = exports.tsNonNullExpression =
tsNonNullExpression;\nexports.tsExportAssignment = exports.TSExportAssignment = exports.tsExportAssignment

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= tsExportAssignment;\nexports.tsNamespaceExportDeclaration = exports.TSNamespaceExportDeclaration =
exports.tsNamespaceExportDeclaration = tsNamespaceExportDeclaration;\nexports.tSTypeAnnotation =
exports.TSTypeAnnotation = exports.tsTypeAnnotation =
tsTypeAnnotation;\nexports.tSTypeParameterInstantiation = exports.TSTypeParameterInstantiation =
exports.tsTypeParameterInstantiation = tsTypeParameterInstantiation;\nexports.tSTypeParameterDeclaration =
exports.TSTypeParameterDeclaration = exports.tsTypeParameterDeclaration =
tsTypeParameterDeclaration;\nexports.tSTypeParameter
= exports.TSTypeParameter = exports.tsTypeParameter = tsTypeParameter;\nexports.numberLiteral =
exports.NumberLiteral = NumberLiteral;\nexports.regexLiteral = exports.RegexLiteral =
RegexLiteral;\nexports.restProperty = exports.RestProperty = RestProperty;\nexports.spreadProperty =
exports.SpreadProperty = SpreadProperty;\n\nvar _builder =
_interopRequireDefault(require(\"../builder\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction arrayExpression(...args) {\n return (0,
_builder.default)(\"ArrayExpression\", ...args);\n}\n\nfunction assignmentExpression(...args) {\n return (0,
_builder.default)(\"AssignmentExpression\", ...args);\n}\n\nfunction binaryExpression(...args) {\n return (0,
_builder.default)(\"BinaryExpression\", ...args);\n}\n\nfunction interpreterDirective(...args) {\n return (0,
_builder.default)(\"InterpreterDirective\", ...args);\n}\n\nfunction directive(...args) {\n return (0,
_builder.default)(\"Directive\", ...args);\n}\n\nfunction directiveLiteral(...args) {\n return (0,
_builder.default)(\"DirectiveLiteral\", ...args);\n}\n\nfunction blockStatement(...args) {\n return (0,
_builder.default)(\"BlockStatement\", ...args);\n}\n\nfunction breakStatement(...args) {\n return (0,
_builder.default)(\"BreakStatement\", ...args);\n}\n\nfunction callExpression(...args) {\n return (0,
_builder.default)(\"CallExpression\", ...args);\n}\n\nfunction catchClause(...args) {\n return (0,
_builder.default)(\"CatchClause\", ...args);\n}\n\nfunction conditionalExpression(...args) {\n return (0,
_builder.default)(\"ConditionalExpression\", ...args);\n}\n\nfunction continueStatement(...args) {\n return (0,
_builder.default)(\"ContinueStatement\", ...args);\n}\n\nfunction debuggerStatement(...args) {\n return (0,
_builder.default)(\"DebuggerStatement\", ...args);\n}\n\nfunction doWhileStatement(...args) {\n return (0,
_builder.default)(\"DoWhileStatement\", ...args);\n}\n\nfunction
emptyStatement(...args) {\n return (0, _builder.default)(\"EmptyStatement\", ...args);\n}\n\nfunction
expressionStatement(...args) {\n return (0, _builder.default)(\"ExpressionStatement\", ...args);\n}\n\nfunction
file(...args) {\n return (0, _builder.default)(\"File\", ...args);\n}\n\nfunction forInStatement(...args) {\n return (0,
_builder.default)(\"ForInStatement\", ...args);\n}\n\nfunction forStatement(...args) {\n return (0,
_builder.default)(\"ForStatement\", ...args);\n}\n\nfunction functionDeclaration(...args) {\n return (0,
_builder.default)(\"FunctionDeclaration\", ...args);\n}\n\nfunction functionExpression(...args) {\n return (0,
_builder.default)(\"FunctionExpression\", ...args);\n}\n\nfunction identifier(...args) {\n return (0,
_builder.default)(\"Identifier\", ...args);\n}\n\nfunction ifStatement(...args) {\n return (0,
_builder.default)(\"IfStatement\", ...args);\n}\n\nfunction labeledStatement(...args) {\n return (0,
_builder.default)(\"LabeledStatement\",
...args);\n}\n\nfunction stringLiteral(...args) {\n return (0, _builder.default)(\"StringLiteral\",
...args);\n}\n\nfunction numericLiteral(...args) {\n return (0, _builder.default)(\"NumericLiteral\",
...args);\n}\n\nfunction nullLiteral(...args) {\n return (0, _builder.default)(\"NullLiteral\", ...args);\n}\n\nfunction
booleanLiteral(...args) {\n return (0, _builder.default)(\"BooleanLiteral\", ...args);\n}\n\nfunction
regExpLiteral(...args) {\n return (0, _builder.default)(\"RegExpLiteral\", ...args);\n}\n\nfunction
logicalExpression(...args) {\n return (0, _builder.default)(\"LogicalExpression\", ...args);\n}\n\nfunction
memberExpression(...args) {\n return (0, _builder.default)(\"MemberExpression\", ...args);\n}\n\nfunction
newExpression(...args) {\n return (0, _builder.default)(\"NewExpression\", ...args);\n}\n\nfunction program(...args)
{\n return (0, _builder.default)(\"Program\", ...args);\n}\n\nfunction objectExpression(...args) {\n return (0,
_builder.default)(\"ObjectExpression\",

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...args);\n}\n\nfunction objectMethod(...args) {\n return (0, _builder.default)("ObjectMethod",
...args);\n}\n\nfunction objectProperty(...args) {\n return (0, _builder.default)("ObjectProperty",
...args);\n}\n\nfunction restElement(...args) {\n return (0, _builder.default)("RestElement", ...args);\n}\n\nfunction
returnStatement(...args) {\n return (0, _builder.default)("ReturnStatement", ...args);\n}\n\nfunction
sequenceExpression(...args) {\n return (0, _builder.default)("SequenceExpression", ...args);\n}\n\nfunction
parenthesizedExpression(...args) {\n return (0, _builder.default)("ParenthesizedExpression",
...args);\n}\n\nfunction switchCase(...args) {\n return (0, _builder.default)("SwitchCase", ...args);\n}\n\nfunction
switchStatement(...args) {\n return (0, _builder.default)("SwitchStatement", ...args);\n}\n\nfunction
thisExpression(...args) {\n return (0, _builder.default)("ThisExpression", ...args);\n}\n\nfunction
throwStatement(...args)
{\n return (0, _builder.default)("ThrowStatement", ...args);\n}\n\nfunction tryStatement(...args) {\n return (0,
_builder.default)("TryStatement", ...args);\n}\n\nfunction unaryExpression(...args) {\n return (0,
_builder.default)("UnaryExpression", ...args);\n}\n\nfunction updateExpression(...args) {\n return (0,
_builder.default)("UpdateExpression", ...args);\n}\n\nfunction variableDeclaration(...args) {\n return (0,
_builder.default)("VariableDeclaration", ...args);\n}\n\nfunction variableDeclarator(...args) {\n return (0,
_builder.default)("VariableDeclarator", ...args);\n}\n\nfunction whileStatement(...args) {\n return (0,
_builder.default)("WhileStatement", ...args);\n}\n\nfunction withStatement(...args) {\n return (0,
_builder.default)("WithStatement", ...args);\n}\n\nfunction assignmentPattern(...args) {\n return (0,
_builder.default)("AssignmentPattern", ...args);\n}\n\nfunction arrayPattern(...args) {\n return (0,
_builder.default)("ArrayPattern",
...args);\n}\n\nfunction arrowFunctionExpression(...args) {\n return (0,
_builder.default)("ArrowFunctionExpression", ...args);\n}\n\nfunction classBody(...args) {\n return (0,
_builder.default)("ClassBody", ...args);\n}\n\nfunction classExpression(...args) {\n return (0,
_builder.default)("ClassExpression", ...args);\n}\n\nfunction classDeclaration(...args) {\n return (0,
_builder.default)("ClassDeclaration", ...args);\n}\n\nfunction exportAllDeclaration(...args) {\n return (0,
_builder.default)("ExportAllDeclaration", ...args);\n}\n\nfunction exportDefaultDeclaration(...args) {\n return (0,
_builder.default)("ExportDefaultDeclaration", ...args);\n}\n\nfunction exportNamedDeclaration(...args) {\n return
(0, _builder.default)("ExportNamedDeclaration", ...args);\n}\n\nfunction exportSpecifier(...args) {\n return (0,
_builder.default)("ExportSpecifier", ...args);\n}\n\nfunction forOfStatement(...args) {\n return (0,
_builder.default)("ForOfStatement",
...args);\n}\n\nfunction importDeclaration(...args) {\n return (0, _builder.default)("ImportDeclaration",
...args);\n}\n\nfunction importDefaultSpecifier(...args) {\n return (0, _builder.default)("ImportDefaultSpecifier",
...args);\n}\n\nfunction importNamespaceSpecifier(...args) {\n return (0,
_builder.default)("ImportNamespaceSpecifier", ...args);\n}\n\nfunction importSpecifier(...args) {\n return (0,
_builder.default)("ImportSpecifier", ...args);\n}\n\nfunction metaProperty(...args) {\n return (0,
_builder.default)("MetaProperty", ...args);\n}\n\nfunction classMethod(...args) {\n return (0,
_builder.default)("ClassMethod", ...args);\n}\n\nfunction objectPattern(...args) {\n return (0,
_builder.default)("ObjectPattern", ...args);\n}\n\nfunction spreadElement(...args) {\n return (0,
_builder.default)("SpreadElement", ...args);\n}\n\nfunction _super(...args) {\n return (0,
_builder.default)("Super", ...args);\n}\n\nfunction taggedTemplateExpression(...args)
{\n return (0, _builder.default)("TaggedTemplateExpression", ...args);\n}\n\nfunction templateElement(...args)
{\n return (0, _builder.default)("TemplateElement", ...args);\n}\n\nfunction templateLiteral(...args) {\n return (0,
_builder.default)("TemplateLiteral", ...args);\n}\n\nfunction yieldExpression(...args) {\n return (0,
_builder.default)("YieldExpression", ...args);\n}\n\nfunction awaitExpression(...args) {\n return (0,
_builder.default)("AwaitExpression", ...args);\n}\n\nfunction _import(...args) {\n return (0,
_builder.default)("Import", ...args);\n}\n\nfunction bigIntLiteral(...args) {\n return (0,
_builder.default)("BigIntLiteral", ...args);\n}\n\nfunction exportNamespaceSpecifier(...args) {\n return (0,
_builder.default)("ExportNamespaceSpecifier", ...args);\n}\n\nfunction optionalMemberExpression(...args) {\n

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return (0, _builder.default)("OptionalMemberExpression", ...args);\n\nfunction optionalCallExpression(...args)
{\n return (0,
 _builder.default)("OptionalCallExpression", ...args);\n\nfunction anyTypeAnnotation(...args) {\n return (0,
 _builder.default)("AnyTypeAnnotation", ...args);\n\nfunction arrayTypeAnnotation(...args) {\n return (0,
 _builder.default)("ArrayTypeAnnotation", ...args);\n\nfunction booleanTypeAnnotation(...args) {\n return (0,
 _builder.default)("BooleanTypeAnnotation", ...args);\n\nfunction booleanLiteralTypeAnnotation(...args) {\n
return (0, _builder.default)("BooleanLiteralTypeAnnotation", ...args);\n\nfunction
nullLiteralTypeAnnotation(...args) {\n return (0, _builder.default)("NullLiteralTypeAnnotation",
...args);\n\nfunction classImplements(...args) {\n return (0, _builder.default)("ClassImplements",
...args);\n\nfunction declareClass(...args) {\n return (0, _builder.default)("DeclareClass",
...args);\n\nfunction declareFunction(...args) {\n return (0, _builder.default)("DeclareFunction",
...args);\n\nfunction declareInterface(...args)
{\n return (0, _builder.default)("DeclareInterface", ...args);\n\nfunction declareModule(...args) {\n return (0,
_builder.default)("DeclareModule", ...args);\n\nfunction declareModuleExports(...args) {\n return (0,
_builder.default)("DeclareModuleExports", ...args);\n\nfunction declareTypeAlias(...args) {\n return (0,
_builder.default)("DeclareTypeAlias", ...args);\n\nfunction declareOpaqueType(...args) {\n return (0,
_builder.default)("DeclareOpaqueType", ...args);\n\nfunction declareVariable(...args) {\n return (0,
_builder.default)("DeclareVariable", ...args);\n\nfunction declareExportDeclaration(...args) {\n return (0,
_builder.default)("DeclareExportDeclaration", ...args);\n\nfunction declareExportAllDeclaration(...args) {\n
return (0, _builder.default)("DeclareExportAllDeclaration", ...args);\n\nfunction declaredPredicate(...args) {\n
return (0, _builder.default)("DeclaredPredicate", ...args);\n\nfunction existsTypeAnnotation(...args)
{\n return (0, _builder.default)("ExistsTypeAnnotation", ...args);\n\nfunction functionTypeAnnotation(...args)
{\n return (0, _builder.default)("FunctionTypeAnnotation", ...args);\n\nfunction functionTypeParam(...args) {\n
return (0, _builder.default)("FunctionTypeParam", ...args);\n\nfunction genericTypeAnnotation(...args) {\n
return (0, _builder.default)("GenericTypeAnnotation", ...args);\n\nfunction inferredPredicate(...args) {\n return
(0, _builder.default)("InferredPredicate", ...args);\n\nfunction interfaceExtends(...args) {\n return (0,
_builder.default)("InterfaceExtends", ...args);\n\nfunction interfaceDeclaration(...args) {\n return (0,
_builder.default)("InterfaceDeclaration", ...args);\n\nfunction interfaceTypeAnnotation(...args) {\n return (0,
_builder.default)("InterfaceTypeAnnotation", ...args);\n\nfunction intersectionTypeAnnotation(...args) {\n
return (0, _builder.default)("IntersectionTypeAnnotation", ...args);\n\nfunction
mixedTypeAnnotation(...args) {\n return (0, _builder.default)("MixedTypeAnnotation", ...args);\n\nfunction
emptyTypeAnnotation(...args) {\n return (0, _builder.default)("EmptyTypeAnnotation", ...args);\n\nfunction
nullableTypeAnnotation(...args) {\n return (0, _builder.default)("NullableTypeAnnotation",
...args);\n\nfunction numberLiteralTypeAnnotation(...args) {\n return (0,
_builder.default)("NumberLiteralTypeAnnotation", ...args);\n\nfunction numberTypeAnnotation(...args) {\n
return (0, _builder.default)("NumberTypeAnnotation", ...args);\n\nfunction objectTypeAnnotation(...args) {\n
return (0, _builder.default)("ObjectTypeAnnotation", ...args);\n\nfunction objectTypeInternalSlot(...args) {\n
return (0, _builder.default)("ObjectTypeInternalSlot", ...args);\n\nfunction objectTypeCallProperty(...args) {\n
return (0, _builder.default)("ObjectTypeCallProperty", ...args);\n\nfunction objectTypeIndexer(...args) {\n
return
(0, _builder.default)("ObjectTypeIndexer", ...args);\n\nfunction objectTypeProperty(...args) {\n return (0,
_builder.default)("ObjectTypeProperty", ...args);\n\nfunction objectTypeSpreadProperty(...args) {\n return (0,
_builder.default)("ObjectTypeSpreadProperty", ...args);\n\nfunction opaqueType(...args) {\n return (0,
_builder.default)("OpaqueType", ...args);\n\nfunction qualifiedTypeIdentifier(...args) {\n return (0,
_builder.default)("QualifiedTypeIdentifier", ...args);\n\nfunction stringLiteralTypeAnnotation(...args) {\n
return (0, _builder.default)("StringLiteralTypeAnnotation", ...args);\n\nfunction stringTypeAnnotation(...args)
{\n return (0, _builder.default)("StringTypeAnnotation", ...args);\n\nfunction symbolTypeAnnotation(...args)
{\n return (0, _builder.default)("SymbolTypeAnnotation", ...args);\n\nfunction thisTypeAnnotation(...args) {\n

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return (0, _builder.default)("ThisTypeAnnotation", ...args);\n\nfunction tupleTypeAnnotation(...args)
{\n return (0, _builder.default)("TupleTypeAnnotation", ...args);\n}\n\nfunction typeOfTypeAnnotation(...args)
{\n return (0, _builder.default)("TypeofTypeAnnotation", ...args);\n}\n\nfunction typeAlias(...args) {\n return (0,
_builder.default)("TypeAlias", ...args);\n}\n\nfunction typeAnnotation(...args) {\n return (0,
_builder.default)("TypeAnnotation", ...args);\n}\n\nfunction typeCastExpression(...args) {\n return (0,
_builder.default)("TypeCastExpression", ...args);\n}\n\nfunction typeParameter(...args) {\n return (0,
_builder.default)("TypeParameter", ...args);\n}\n\nfunction typeParameterDeclaration(...args) {\n return (0,
_builder.default)("TypeParameterDeclaration", ...args);\n}\n\nfunction typeParameterInstantiation(...args) {\n
return (0, _builder.default)("TypeParameterInstantiation", ...args);\n}\n\nfunction unionTypeAnnotation(...args)
{\n return (0, _builder.default)("UnionTypeAnnotation", ...args);\n}\n\nfunction variance(...args)
{\n return (0, _builder.default)("Variance", ...args);\n}\n\nfunction voidTypeAnnotation(...args) {\n return (0,
_builder.default)("VoidTypeAnnotation", ...args);\n}\n\nfunction enumDeclaration(...args) {\n return (0,
_builder.default)("EnumDeclaration", ...args);\n}\n\nfunction enumBooleanBody(...args) {\n return (0,
_builder.default)("EnumBooleanBody", ...args);\n}\n\nfunction enumNumberBody(...args) {\n return (0,
_builder.default)("EnumNumberBody", ...args);\n}\n\nfunction enumStringBody(...args) {\n return (0,
_builder.default)("EnumStringBody", ...args);\n}\n\nfunction enumSymbolBody(...args) {\n return (0,
_builder.default)("EnumSymbolBody", ...args);\n}\n\nfunction enumBooleanMember(...args) {\n return (0,
_builder.default)("EnumBooleanMember", ...args);\n}\n\nfunction enumNumberMember(...args) {\n return (0,
_builder.default)("EnumNumberMember", ...args);\n}\n\nfunction enumStringMember(...args) {\n return (0,
_builder.default)("EnumStringMember",
...args);\n}\n\nfunction enumDefaultedMember(...args) {\n return (0, _builder.default)("EnumDefaultedMember",
...args);\n}\n\nfunction jsxAttribute(...args) {\n return (0, _builder.default)("JSXAttribute", ...args);\n}\n\nfunction
jsxClosingElement(...args) {\n return (0, _builder.default)("JSXClosingElement", ...args);\n}\n\nfunction
jsxElement(...args) {\n return (0, _builder.default)("JSXElement", ...args);\n}\n\nfunction
jsxEmptyExpression(...args) {\n return (0, _builder.default)("JSXEmptyExpression", ...args);\n}\n\nfunction
jsxExpressionContainer(...args) {\n return (0, _builder.default)("JSXExpressionContainer", ...args);\n}\n\nfunction
jsxSpreadChild(...args) {\n return (0, _builder.default)("JSXSpreadChild", ...args);\n}\n\nfunction
jsxIdentifier(...args) {\n return (0, _builder.default)("JSXIdentifier", ...args);\n}\n\nfunction
jsxMemberExpression(...args) {\n return (0, _builder.default)("JSXMemberExpression", ...args);\n}\n\nfunction
jsxNamespacedName(...args)
{\n return (0, _builder.default)("JSXNamespacedName", ...args);\n}\n\nfunction jsxOpeningElement(...args) {\n
return (0, _builder.default)("JSXOpeningElement", ...args);\n}\n\nfunction jsxSpreadAttribute(...args) {\n return
(0, _builder.default)("JSXSpreadAttribute", ...args);\n}\n\nfunction jsxText(...args) {\n return (0,
_builder.default)("JSXText", ...args);\n}\n\nfunction jsxFragment(...args) {\n return (0,
_builder.default)("JSXFragment", ...args);\n}\n\nfunction jsxOpeningFragment(...args) {\n return (0,
_builder.default)("JSXOpeningFragment", ...args);\n}\n\nfunction jsxClosingFragment(...args) {\n return (0,
_builder.default)("JSXClosingFragment", ...args);\n}\n\nfunction noop(...args) {\n return (0,
_builder.default)("Noop", ...args);\n}\n\nfunction placeholder(...args) {\n return (0,
_builder.default)("Placeholder", ...args);\n}\n\nfunction v8IntrinsicIdentifier(...args) {\n return (0,
_builder.default)("V8IntrinsicIdentifier",
...args);\n}\n\nfunction argumentPlaceholder(...args) {\n return (0, _builder.default)("ArgumentPlaceholder",
...args);\n}\n\nfunction bindExpression(...args) {\n return (0, _builder.default)("BindExpression",
...args);\n}\n\nfunction classProperty(...args) {\n return (0, _builder.default)("ClassProperty",
...args);\n}\n\nfunction pipelineTopicExpression(...args) {\n return (0,
_builder.default)("PipelineTopicExpression", ...args);\n}\n\nfunction pipelineBareFunction(...args) {\n return (0,
_builder.default)("PipelineBareFunction", ...args);\n}\n\nfunction pipelinePrimaryTopicReference(...args) {\n
return (0, _builder.default)("PipelinePrimaryTopicReference", ...args);\n}\n\nfunction classPrivateProperty(...args)
{\n return (0, _builder.default)("ClassPrivateProperty", ...args);\n}\n\nfunction classPrivateMethod(...args) {\n

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return (0, _builder.default)("ClassPrivateMethod", ...args);\n\nfunction importAttribute(...args) {\n return (0,
_builder.default)("ImportAttribute",
...args);\n}\n\nfunction decorator(...args) {\n return (0, _builder.default)("Decorator", ...args);\n}\n\nfunction
doExpression(...args) {\n return (0, _builder.default)("DoExpression", ...args);\n}\n\nfunction
exportDefaultSpecifier(...args) {\n return (0, _builder.default)("ExportDefaultSpecifier", ...args);\n}\n\nfunction
privateName(...args) {\n return (0, _builder.default)("PrivateName", ...args);\n}\n\nfunction
recordExpression(...args) {\n return (0, _builder.default)("RecordExpression", ...args);\n}\n\nfunction
tupleExpression(...args) {\n return (0, _builder.default)("TupleExpression", ...args);\n}\n\nfunction
decimalLiteral(...args) {\n return (0, _builder.default)("DecimalLiteral", ...args);\n}\n\nfunction
staticBlock(...args) {\n return (0, _builder.default)("StaticBlock", ...args);\n}\n\nfunction
tsParameterProperty(...args) {\n return (0, _builder.default)("TSParameterProperty", ...args);\n}\n\nfunction
tsDeclareFunction(...args)
{\n return (0, _builder.default)("TSDeclareFunction", ...args);\n}\n\nfunction tsDeclareMethod(...args) {\n return
(0, _builder.default)("TSDeclareMethod", ...args);\n}\n\nfunction tsQualifiedName(...args) {\n return (0,
_builder.default)("TSQualifiedName", ...args);\n}\n\nfunction tsCallSignatureDeclaration(...args) {\n return (0,
_builder.default)("TSCallSignatureDeclaration", ...args);\n}\n\nfunction tsConstructSignatureDeclaration(...args)
{\n return (0, _builder.default)("TSConstructSignatureDeclaration", ...args);\n}\n\nfunction
tsPropertySignature(...args) {\n return (0, _builder.default)("TSPropertySignature", ...args);\n}\n\nfunction
tsMethodSignature(...args) {\n return (0, _builder.default)("TSMethodSignature", ...args);\n}\n\nfunction
tsIndexSignature(...args) {\n return (0, _builder.default)("TSIndexSignature", ...args);\n}\n\nfunction
tsAnyKeyword(...args) {\n return (0, _builder.default)("TSAnyKeyword", ...args);\n}\n\nfunction
tsBooleanKeyword(...args)
{\n return (0, _builder.default)("TSBooleanKeyword", ...args);\n}\n\nfunction tsBigIntKeyword(...args) {\n
return (0, _builder.default)("TSBigIntKeyword", ...args);\n}\n\nfunction tsIntrinsicKeyword(...args) {\n return (0,
_builder.default)("TSIntrinsicKeyword", ...args);\n}\n\nfunction tsNeverKeyword(...args) {\n return (0,
_builder.default)("TSNeverKeyword", ...args);\n}\n\nfunction tsNullKeyword(...args) {\n return (0,
_builder.default)("TSNullKeyword", ...args);\n}\n\nfunction tsNumberKeyword(...args) {\n return (0,
_builder.default)("TSNumberKeyword", ...args);\n}\n\nfunction tsObjectKeyword(...args) {\n return (0,
_builder.default)("TSObjectKeyword", ...args);\n}\n\nfunction tsStringKeyword(...args) {\n return (0,
_builder.default)("TSStringKeyword", ...args);\n}\n\nfunction tsSymbolKeyword(...args) {\n return (0,
_builder.default)("TSSymbolKeyword", ...args);\n}\n\nfunction tsUndefinedKeyword(...args) {\n return (0,
_builder.default)("TSUndefinedKeyword",
...args);\n}\n\nfunction tsUnknownKeyword(...args) {\n return (0, _builder.default)("TSUnknownKeyword",
...args);\n}\n\nfunction tsVoidKeyword(...args) {\n return (0, _builder.default)("TSVoidKeyword",
...args);\n}\n\nfunction tsThisType(...args) {\n return (0, _builder.default)("TSThisType", ...args);\n}\n\nfunction
tsFunctionType(...args) {\n return (0, _builder.default)("TSFunctionType", ...args);\n}\n\nfunction
tsConstructorType(...args) {\n return (0, _builder.default)("TSConstructorType", ...args);\n}\n\nfunction
tsTypeReference(...args) {\n return (0, _builder.default)("TSTypeReference", ...args);\n}\n\nfunction
tsTypePredicate(...args) {\n return (0, _builder.default)("TSTypePredicate", ...args);\n}\n\nfunction
tsTypeQuery(...args) {\n return (0, _builder.default)("TSTypeQuery", ...args);\n}\n\nfunction tsTypeLiteral(...args)
{\n return (0, _builder.default)("TSTypeLiteral", ...args);\n}\n\nfunction tsArrayType(...args) {\n
return (0, _builder.default)("TSArrayType", ...args);\n}\n\nfunction tsTupleType(...args) {\n return (0,
_builder.default)("TSTupleType", ...args);\n}\n\nfunction tsOptionalType(...args) {\n return (0,
_builder.default)("TSOptionalType", ...args);\n}\n\nfunction tsRestType(...args) {\n return (0,
_builder.default)("TSRestType", ...args);\n}\n\nfunction tsNamedTupleMember(...args) {\n return (0,
_builder.default)("TSNamedTupleMember", ...args);\n}\n\nfunction tsUnionType(...args) {\n return (0,
_builder.default)("TSUnionType", ...args);\n}\n\nfunction tsIntersectionType(...args) {\n return (0,
_builder.default)("TSIntersectionType", ...args);\n}\n\nfunction tsConditionalType(...args) {\n return (0,

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_builder.default)("TSConditionalType", ...args);\n}\n\nfunction tsInferType(...args) {\n return (0,
_builder.default)("TSInferType", ...args);\n}\n\nfunction tsParenthesizedType(...args) {\n return (0,
_builder.default)("TSParenthesizedType", ...args);\n}\n\nfunction
tsTypeOperator(...args) {\n return (0, _builder.default)("TSTypeOperator", ...args);\n}\n\nfunction
tsIndexedAccessType(...args) {\n return (0, _builder.default)("TSIndexedAccessType", ...args);\n}\n\nfunction
tsMappedType(...args) {\n return (0, _builder.default)("TSMappedType", ...args);\n}\n\nfunction
tsLiteralType(...args) {\n return (0, _builder.default)("TSLiteralType", ...args);\n}\n\nfunction
tsExpressionWithTypeArguments(...args) {\n return (0, _builder.default)("TSExpressionWithTypeArguments",
...args);\n}\n\nfunction tsInterfaceDeclaration(...args) {\n return (0, _builder.default)("TSInterfaceDeclaration",
...args);\n}\n\nfunction tsInterfaceBody(...args) {\n return (0, _builder.default)("TSInterfaceBody",
...args);\n}\n\nfunction tsTypeAliasDeclaration(...args) {\n return (0, _builder.default)("TSTypeAliasDeclaration",
...args);\n}\n\nfunction tsAsExpression(...args) {\n return (0, _builder.default)("TSAsExpression",
...args);\n}\n\nfunction tsTypeAssertion(...args)
{\n return (0, _builder.default)("TSTypeAssertion", ...args);\n}\n\nfunction tsEnumDeclaration(...args) {\n return
(0, _builder.default)("TSEnumDeclaration", ...args);\n}\n\nfunction tsEnumMember(...args) {\n return (0,
_builder.default)("TSEnumMember", ...args);\n}\n\nfunction tsModuleDeclaration(...args) {\n return (0,
_builder.default)("TSModuleDeclaration", ...args);\n}\n\nfunction tsModuleBlock(...args) {\n return (0,
_builder.default)("TSModuleBlock", ...args);\n}\n\nfunction tsImportType(...args) {\n return (0,
_builder.default)("TSImportType", ...args);\n}\n\nfunction tsImportEqualsDeclaration(...args) {\n return (0,
_builder.default)("TSImportEqualsDeclaration", ...args);\n}\n\nfunction tsExternalModuleReference(...args) {\n
return (0, _builder.default)("TSExternalModuleReference", ...args);\n}\n\nfunction tsNonNullExpression(...args)
{\n return (0, _builder.default)("TSNonNullExpression", ...args);\n}\n\nfunction tsExportAssignment(...args)
{\n return (0, _builder.default)("TSExportAssignment", ...args);\n}\n\nfunction
tsNamespaceExportDeclaration(...args) {\n return (0, _builder.default)("TSNamespaceExportDeclaration",
...args);\n}\n\nfunction tsTypeAnnotation(...args) {\n return (0, _builder.default)("TSTypeAnnotation",
...args);\n}\n\nfunction tsTypeParameterInstantiation(...args) {\n return (0,
_builder.default)("TSTypeParameterInstantiation", ...args);\n}\n\nfunction tsTypeParameterDeclaration(...args) {\n
return (0, _builder.default)("TSTypeParameterDeclaration", ...args);\n}\n\nfunction tsTypeParameter(...args) {\n
return (0, _builder.default)("TSTypeParameter", ...args);\n}\n\nfunction NumberLiteral(...args) {\n
console.trace("The node type NumberLiteral has been renamed to NumericLiteral");\n return (0,
_builder.default)("NumberLiteral", ...args);\n}\n\nfunction RegexLiteral(...args) {\n console.trace("The node type
RegexLiteral has been renamed to RegExpLiteral");\n return
(0, _builder.default)("RegexLiteral", ...args);\n}\n\nfunction RestProperty(...args) {\n console.trace("The node
type RestProperty has been renamed to RestElement");\n return (0, _builder.default)("RestProperty",
...args);\n}\n\nfunction SpreadProperty(...args) {\n console.trace("The node type SpreadProperty has been renamed
to SpreadElement");\n return (0, _builder.default)("SpreadProperty", ...args);\n}},"use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nObject.defineProperty(exports,
"VISITOR_KEYS", {\n enumerable: true,\n get: function () {\n return _utils.VISITOR_KEYS;\n
}\n});\n\nObject.defineProperty(exports, "ALIAS_KEYS", {\n enumerable: true,\n get: function () {\n return
_utils.ALIAS_KEYS;\n }\n});\n\nObject.defineProperty(exports, "FLIPPED_ALIAS_KEYS", {\n enumerable:
true,\n get: function () {\n return _utils.FLIPPED_ALIAS_KEYS;\n }\n});\n\nObject.defineProperty(exports,
"NODE_FIELDS", {\n enumerable:
true,\n get: function () {\n return _utils.NODE_FIELDS;\n }\n});\n\nObject.defineProperty(exports,
"BUILDER_KEYS", {\n enumerable: true,\n get: function () {\n return _utils.BUILDER_KEYS;\n
}\n});\n\nObject.defineProperty(exports, "DEPRECATED_KEYS", {\n enumerable: true,\n get: function () {\n
return _utils.DEPRECATED_KEYS;\n }\n});\n\nObject.defineProperty(exports,
"NODE_PARENT_VALIDATIONS", {\n enumerable: true,\n get: function () {\n return
_utils.NODE_PARENT_VALIDATIONS;\n }\n});\n\nObject.defineProperty(exports, "PLACEHOLDERS", {\n

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enumerable: true,\n get: function () {\n return _placeholders.PLACEHOLDERS;\n
}\n});\nObject.defineProperty(exports, \"PLACEHOLDERS_ALIAS\", {\n enumerable: true,\n get: function () {\n
return _placeholders.PLACEHOLDERS_ALIAS;\n }\n});\nObject.defineProperty(exports,
\"PLACEHOLDERS_FLIPPED_ALIAS\", {\n enumerable: true,\n get: function () {\n return
_placeholders.PLACEHOLDERS_FLIPPED_ALIAS;\n }\n});\nexports.TYPES
= void 0;\n\nvar _toFastProperties = _interopRequireDefault(require(\"to-fast-
properties\"));\n\nrequire(\"./core\");\n\nrequire(\"./flow\");\n\nrequire(\"./jsx\");\n\nrequire(\"./misc\");\n\nrequire(\"./
experimental\");\n\nrequire(\"./typescript\");\n\nvar _utils = require(\"./utils\");\n\nvar _placeholders =
require(\"./placeholders\");\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : {
default: obj }; }\n\n(0, _toFastProperties.default)(_utils.VISITOR_KEYS);\n\n(0,
_toFastProperties.default)(_utils.ALIAS_KEYS);\n\n(0,
_toFastProperties.default)(_utils.FLIPPED_ALIAS_KEYS);\n\n(0,
_toFastProperties.default)(_utils.NODE_FIELDS);\n\n(0, _toFastProperties.default)(_utils.BUILDER_KEYS);\n\n(0,
_toFastProperties.default)(_utils.DEPRECATED_KEYS);\n\n(0,
_toFastProperties.default)(_placeholders.PLACEHOLDERS_ALIAS);\n\n(0,
_toFastProperties.default)(_placeholders.PLACEHOLDERS_FLIPPED_ALIAS);\n\nconst TYPES =
Object.keys(_utils.VISITOR_KEYS).concat(Object.keys(_utils.FLIPPED_ALIAS_KEYS)).concat(Object.keys(_uti
ls.DEPRECATED_KEYS));\n\nexports.TYPES
= TYPES;\";\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nObject.defineProperty(exports, \"VISITOR_KEYS\", {\n enumerable: true,\n get: function () {\n return
_utils.VISITOR_KEYS;\n }\n});\n\nObject.defineProperty(exports, \"ALIAS_KEYS\", {\n enumerable: true,\n get:
function () {\n return _utils.ALIAS_KEYS;\n }\n});\n\nObject.defineProperty(exports,
\"FLIPPED_ALIAS_KEYS\", {\n enumerable: true,\n get: function () {\n return
_utils.FLIPPED_ALIAS_KEYS;\n }\n});\n\nObject.defineProperty(exports, \"NODE_FIELDS\", {\n enumerable:
true,\n get: function () {\n return _utils.NODE_FIELDS;\n }\n});\n\nObject.defineProperty(exports,
\"BUILDER_KEYS\", {\n enumerable: true,\n get: function () {\n return _utils.BUILDER_KEYS;\n
}\n});\n\nObject.defineProperty(exports, \"DEPRECATED_KEYS\", {\n enumerable: true,\n get: function () {\n
return _utils.DEPRECATED_KEYS;\n
}\n});\n\nObject.defineProperty(exports, \"NODE_PARENT_VALIDATIONS\", {\n enumerable: true,\n get:
function () {\n return _utils.NODE_PARENT_VALIDATIONS;\n }\n});\n\nObject.defineProperty(exports,
\"PLACEHOLDERS\", {\n enumerable: true,\n get: function () {\n return _placeholders.PLACEHOLDERS;\n
}\n});\n\nObject.defineProperty(exports, \"PLACEHOLDERS_ALIAS\", {\n enumerable: true,\n get: function () {\n
return _placeholders.PLACEHOLDERS_ALIAS;\n }\n});\n\nObject.defineProperty(exports,
\"PLACEHOLDERS_FLIPPED_ALIAS\", {\n enumerable: true,\n get: function () {\n return
_placeholders.PLACEHOLDERS_FLIPPED_ALIAS;\n }\n});\n\nexports.TYPES = void 0;\n\nvar _toFastProperties
= require(\"to-fast-
properties\");\n\nrequire(\"./core\");\n\nrequire(\"./flow\");\n\nrequire(\"./jsx\");\n\nrequire(\"./misc\");\n\nrequire(\"./
experimental\");\n\nrequire(\"./typescript\");\n\nvar _utils = require(\"./utils\");\n\nvar _placeholders =
require(\"./placeholders\");\n\n_toFastProperties(_utils.VISITOR_KEYS);\n\n_toFastProperties(_utils.ALIAS_KEY
S);\n\n_toFastProperties(_utils.FLIPPED_ALIAS_KEYS);\n\n_toFastProperties(_utils.NODE_FIELDS);\n\n_toFast
Properties(_utils.BUILDER_KEYS);\n\n_toFastProperties(_utils.DEPRECATED_KEYS);\n\n_toFastProperties(_pl
aceholders.PLACEHOLDERS_ALIAS);\n\n_toFastProperties(_placeholders.PLACEHOLDERS_FLIPPED_ALIAS
);\n\nconst
TYPES =
Object.keys(_utils.VISITOR_KEYS).concat(Object.keys(_utils.FLIPPED_ALIAS_KEYS)).concat(Object.keys(_uti
ls.DEPRECATED_KEYS));\n\nexports.TYPES = TYPES;\";\"var freeGlobal = require(\"./_freeGlobal\");\n\n/** Detect
free variable `self`. */\n\nvar freeSelf = typeof self == 'object' && self && self.Object === Object && self;\n\n/**
Used as a reference to the global object. */\n\nvar root = freeGlobal || freeSelf || Function('return

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this');\n\nmodule.exports = root;\n", "\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\nexports.default = exports.SHOULD_SKIP = exports.SHOULD_STOP = exports.REMOVED
= void 0;\n\nvar virtualTypes = _interopRequireWildcard(require(\"./lib/virtual-types\"));\n\nvar _debug =
_interopRequireDefault(require(\"debug\"));\n\nvar _index = _interopRequireDefault(require(\"../index\"));\n\nvar
_scope = _interopRequireDefault(require(\"../scope\"));\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nvar _cache = require(\"../cache\");\n\nvar _generator =
_interopRequireDefault(require(\"@babel/generator\"));\n\nvar NodePath_ancestry =
_interopRequireWildcard(require(\"./ancestry\"));\n\nvar NodePath_inference =
_interopRequireWildcard(require(\"./inference\"));\n\nvar NodePath_replacement =
_interopRequireWildcard(require(\"./replacement\"));\n\nvar NodePath_evaluation =
_interopRequireWildcard(require(\"./evaluation\"));\n\nvar NodePath_conversion =
_interopRequireWildcard(require(\"./conversion\"));\n\nvar NodePath_introspection =
_interopRequireWildcard(require(\"./introspection\"));\n\nvar NodePath_context =
_interopRequireWildcard(require(\"./context\"));\n\nvar
NodePath_removal = _interopRequireWildcard(require(\"./removal\"));\n\nvar NodePath_modification =
_interopRequireWildcard(require(\"./modification\"));\n\nvar NodePath_family =
_interopRequireWildcard(require(\"./family\"));\n\nvar NodePath_comments =
_interopRequireWildcard(require(\"./comments\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;
for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nconst debug = (0, _debug.default)(\"babel\");\n\nconst REMOVED = 1
<< 0;\n\nexports.REMOVED = REMOVED;\n\nconst SHOULD_STOP = 1 << 1;\n\nexports.SHOULD_STOP =
SHOULD_STOP;\n\nconst SHOULD_SKIP = 1 << 2;\n\nexports.SHOULD_SKIP = SHOULD_SKIP;\n\n\nclass
NodePath {\n constructor(hub, parent) {\n this.contexts = [];\n this.state = null;\n this.opts = null;\n
this._traverseFlags = 0;\n this.skipKeys = null;\n this.parentPath = null;\n this.container = null;\n this.listKey
= null;\n this.key = null;\n this.node = null;\n this.type = null;\n this.parent = parent;\n this.hub = hub;\n
this.data
= null;\n this.context = null;\n this.scope = null;\n }\n\n static get({\n hub,\n parentPath,\n parent,\n
container,\n listKey,\n key\n }) {\n if (!hub && parentPath) {\n hub = parentPath.hub;\n }\n\n if
(!parent) {\n throw new Error(\"To get a node path the parent needs to exist\");\n }\n\n const targetNode =
container[key];\n\n const paths = _cache.path.get(parent) || [];\n\n if (!_cache.path.has(parent)) {\n
_cache.path.set(parent, paths);\n }\n\n let path;\n\n for (let i = 0; i < paths.length; i++) {\n const pathCheck
= paths[i];\n\n if (pathCheck.node === targetNode) {\n path = pathCheck;\n break;\n }\n }\n\n if
(!path) {\n path = new NodePath(hub, parent);\n paths.push(path);\n }\n\n path.setup(parentPath,
container, listKey, key);\n\n return path;\n }\n\n getScope(scope) {\n return this.isScope() ? new
_scope.default(this) : scope;\n }\n\n setData(key,
val) {\n if (this.data == null) {\n this.data = Object.create(null);\n }\n\n return this.data[key] = val;\n }\n\n
getData(key, def) {\n if (this.data == null) {\n this.data = Object.create(null);\n }\n\n let val =
this.data[key];\n\n if (val === undefined && def !== undefined) val = this.data[key] = def;\n\n return val;\n }\n\n
buildCodeFrameError(msg, Error = SyntaxError) {\n return this.hub.buildError(this.node, msg, Error);\n }\n\n
traverse(visitor, state) {\n (0, _index.default)(this.node, visitor, this.scope, state, this);\n }\n\n set(key, node) {\n

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};\n}\n\nfunction arrayOf(elementType) {\n return chain(assertValueType(`array`),
assertEach(elementType));\n}\n\nfunction arrayOfType(typeName) {\n return
arrayOf(typeIs(typeName));\n}\n\nfunction validateArrayOfType(typeName) {\n return
validate(arrayOfType(typeName));\n}\n\nfunction assertEach(callback) {\n function validator(node, key, val) {\n
if (!Array.isArray(val)) return;\n for (let i = 0; i < val.length; i++) {\n const subkey = `${key}${i}`;\n
const v = val[i];\n callback(node, subkey, v);\n if (process.env.BABEL_TYPES_8_BREAKING) (0,
_validate.validateChild)(node, subkey, v);\n }\n }\n validator.each = callback;\n
return validator;\n}\n\nfunction assertOneOf(...values) {\n function validate(node, key, val) {\n if
(values.indexOf(val) < 0) {\n throw new TypeError(`Property ${key} expected value to be one of
${JSON.stringify(values)} but got ${JSON.stringify(val)}`);\n }\n }\n validate.oneOf = values;\n return
validate;\n}\n\nfunction assertNodeType(...types) {\n function validate(node, key, val) {\n for (const type of
types) {\n if ((0, _is.default)(type, val)) {\n (0, _validate.validateChild)(node, key, val);\n return;\n
}\n }\n throw new TypeError(`Property ${key} of ${node.type} expected node to be of a type
${JSON.stringify(types)} but instead got ${JSON.stringify(val == null ? void 0 : val.type)}`);\n }\n validate.oneOfNodeTypes = types;\n return validate;\n}\n\nfunction assertNodeOrValueType(...types) {\n function
validate(node, key, val) {\n for (const type of types) {\n if (getType(val) === type || (0, _is.default)(type,
val)) {\n (0, _validate.validateChild)(node, key, val);\n return;\n }\n }\n throw new
TypeError(`Property ${key} of ${node.type} expected node to be of a type ${JSON.stringify(types)} but instead got
${JSON.stringify(val == null ? void 0 : val.type)}`);\n }\n validate.oneOfNodeOrValueTypes = types;\n return
validate;\n}\n\nfunction assertValueType(type) {\n function validate(node, key, val) {\n const valid =
getType(val) === type;\n if (!valid) {\n throw new TypeError(`Property ${key} expected type of ${type} but
got ${getType(val)}`);\n }\n }\n validate.type = type;\n return validate;\n}\n\nfunction assertShape(shape) {\n
function validate(node, key, val) {\n const errors = [];\n for (const property of Object.keys(shape)) {\n try
{\n (0, _validate.validateField)(node, property, val[property], shape[property]);\n } catch (error) {\n if
(error instanceof TypeError) {\n errors.push(error.message);\n
 continue;\n }\n throw error;\n }\n }\n if (errors.length) {\n throw new
TypeError(`Property ${key} of ${node.type} expected to have the following:\n${errors.join(`\n\n`)}`);\n }\n
}\n validate.shapeOf = shape;\n return validate;\n}\n\nfunction assertOptionalChainStart() {\n function
validate(node) {\n var _current;\n let current = node;\n while (node) {\n const {\n type\n } =
current;\n if (type === `OptionalCallExpression`) {\n if (current.optional) return;\n current =
current.callee;\n continue;\n }\n if (type === `OptionalMemberExpression`) {\n if
(current.optional) return;\n current = current.object;\n continue;\n }\n break;\n }\n throw new
TypeError(`Non-optional ${node.type} must chain from an optional OptionalMemberExpression or
OptionalCallExpression. Found chain from ${(_current = current) == null ?
void 0 : _current.type}`);\n }\n return validate;\n}\n\nfunction chain(...fns) {\n function validate(...args) {\n
for (const fn of fns) {\n fn(...args);\n }\n validate.chainOf = fns;\n return validate;\n}\n\nconst
validTypeOpts = [\"aliases\", \"builder\", \"deprecatedAlias\", \"fields\", \"inherits\", \"visitor\", \"validate\"];\nconst
validFieldKeys = [\"default\", \"optional\", \"validate\"];\n\nfunction defineType(type, opts = {}) {\n const inherits
= opts.inherits && store[opts.inherits] || {};\n let fields = opts.fields;\n if (!fields) {\n fields = {};\n }\n if
(inherits.fields) {\n const keys = Object.getOwnPropertyNames(inherits.fields);\n for (const key of keys) {\n
const field = inherits.fields[key];\n fields[key] = {\n default: field.default,\n optional:
field.optional,\n validate: field.validate\n };\n }\n const visitor = opts.visitor ||
inherits.visitor || [];\n
const aliases = opts.aliases || inherits.aliases || [];\n const builder = opts.builder || inherits.builder || opts.visitor ||
[];\n for (const k of Object.keys(opts)) {\n if (validTypeOpts.indexOf(k) === -1) {\n throw new
Error(`Unknown type option \"${k}\" on ${type}`);\n }\n }\n if (opts.deprecatedAlias) {\n
DEPRECATED_KEYS[opts.deprecatedAlias] = type;\n }\n for (const key of visitor.concat(builder)) {\n
fields[key] = fields[key] || {};\n }\n for (const key of Object.keys(fields)) {\n const field = fields[key];\n if

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(field.default !== undefined && builder.indexOf(key) === -1) {\n field.optional = true;\n }\n\n if
(field.default === undefined) {\n field.default = null;\n } else if (!field.validate && field.default !== null) {\n
field.validate = assertValueType(getType(field.default));\n }\n\n for (const k of Object.keys(field)) {\n if
(validFieldKeys.indexOf(k) === -1) {\n throw new Error(`Unknown field
key "${k}" on ${type}.${key}`);\n }\n }\n\n VISITOR_KEYS[type] = opts.visitor = visitor;\n
BUILDER_KEYS[type] = opts.builder = builder;\n NODE_FIELDS[type] = opts.fields = fields;\n
ALIAS_KEYS[type] = opts.aliases = aliases;\n aliases.forEach(alias => {\n FLIPPED_ALIAS_KEYS[alias] =
FLIPPED_ALIAS_KEYS[alias] || [];\n FLIPPED_ALIAS_KEYS[alias].push(type);\n });\n\n if (opts.validate)
{\n NODE_PARENT_VALIDATIONS[type] = opts.validate;\n }\n\n store[type] = opts;\n\n \nconst store =
{};\n \n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.validate =
validate;\n\nexports.typeIs = typeIs;\n\nexports.validateType = validateType;\n\nexports.validateOptional =
validateOptional;\n\nexports.validateOptionalType = validateOptionalType;\n\nexports.arrayOf =
arrayOf;\n\nexports.arrayOfType = arrayOfType;\n\nexports.validateArrayOfType =
validateArrayOfType;\n\nexports.assertEach = assertEach;\n\nexports.assertOneOf =
assertOneOf;\n\nexports.assertNodeType
= assertNodeType;\n\nexports.assertNodeOrValueType = assertNodeOrValueType;\n\nexports.assertValueType =
assertValueType;\n\nexports.assertShape = assertShape;\n\nexports.assertOptionalChainStart =
assertOptionalChainStart;\n\nexports.chain = chain;\n\nexports.default =
defineType;\n\nexports.NODE_PARENT_VALIDATIONS = exports.DEPRECATED_KEYS =
exports.BUILDER_KEYS = exports.NODE_FIELDS = exports.FLIPPED_ALIAS_KEYS = exports.ALIAS_KEYS
= exports.VISITOR_KEYS = void 0;\n\nvar _is = require("../validators/is");\n\nvar _validate =
require("../validators/validate");\n\nconst VISITOR_KEYS = {};\n\nexports.VISITOR_KEYS =
VISITOR_KEYS;\n\nconst ALIAS_KEYS = {};\n\nexports.ALIAS_KEYS = ALIAS_KEYS;\n\nconst
FLIPPED_ALIAS_KEYS = {};\n\nexports.FLIPPED_ALIAS_KEYS = FLIPPED_ALIAS_KEYS;\n\nconst
NODE_FIELDS = {};\n\nexports.NODE_FIELDS = NODE_FIELDS;\n\nconst BUILDER_KEYS =
{};\n\nexports.BUILDER_KEYS = BUILDER_KEYS;\n\nconst DEPRECATED_KEYS =
{};\n\nexports.DEPRECATED_KEYS = DEPRECATED_KEYS;\n\nconst NODE_PARENT_VALIDATIONS
= {};\n\nexports.NODE_PARENT_VALIDATIONS = NODE_PARENT_VALIDATIONS;\n\nfunction
getType(val) {\n if (Array.isArray(val)) {\n return "array";\n } else if (val === null) {\n return "null";\n }
else {\n return typeof val;\n }\n}\n\nfunction validate(validate) {\n return {\n validate\n };\n}\n\nfunction
typeIs(typeName) {\n return typeof typeName === "string" ? assertNodeType(typeName) :
assertNodeType(...typeName);\n}\n\nfunction validateType(typeName) {\n return
validate(typeIs(typeName));\n}\n\nfunction validateOptional(validate) {\n return {\n validate,\n optional: true\n
 };\n}\n\nfunction validateOptionalType(typeName) {\n return {\n validate: typeIs(typeName),\n optional: true\n
 };\n}\n\nfunction arrayOf(elementType) {\n return chain(assertValueType("array"),
assertEach(elementType));\n}\n\nfunction arrayOfType(typeName) {\n return
arrayOf(typeIs(typeName));\n}\n\nfunction validateArrayOfType(typeName) {\n return
validate(arrayOfType(typeName));\n}\n\nfunction
assertEach(callback) {\n function validator(node, key, val) {\n if (!Array.isArray(val)) return;\n\n for (let i = 0;
i < val.length; i++) {\n const subkey = `${key}[${i}]`; \n const v = val[i]; \n callback(node, subkey, v);\n }\n\n if (process.env.BABEL_TYPES_8_BREAKING) (0, _validate.validateChild)(node, subkey, v);\n }\n }\n\n validator.each = callback;\n return validator;\n}\n\nfunction assertOneOf(...values) {\n function validate(node, key,
val) {\n if (values.indexOf(val) < 0) {\n throw new TypeError(`Property ${key} expected value to be one of
${JSON.stringify(values)} but got ${JSON.stringify(val)}`);\n }\n }\n\n validate.oneOf = values;\n return
validate;\n}\n\nfunction assertNodeType(...types) {\n function validate(node, key, val) {\n for (const type of
types) {\n if ((0, _is.default)(type, val)) {\n (0, _validate.validateChild)(node, key, val);\n return;\n }\n }\n throw
 }\n}\n\nthrow

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new TypeError(`Property ${key} of ${node.type} expected node to be of a type ${JSON.stringify(types)} but
instead got ${JSON.stringify(val == null ? void 0 : val.type)}`);
}
}
validate.oneOfNodeTypes = types;
return validate;
}

function assertNodeOrValueType(...types) {
 function validate(node, key, val) {
 for (const type of types) {
 if (getType(val) === type || (0, _is.default)(type, val)) {
 (0,
 _validate.validateChild)(node, key, val);
 return;
 }
 }
 throw new TypeError(`Property ${key} of
${node.type} expected node to be of a type ${JSON.stringify(types)} but instead got ${JSON.stringify(val == null ?
void 0 : val.type)}`);
 }
 validate.oneOfNodeOrValueTypes = types;
 return validate;
}

function
assertValueType(type) {
 function validate(node, key, val) {
 const valid = getType(val) === type;
 if (!valid) {
 throw new TypeError(`Property ${key} expected type of ${type} but got ${getType(val)}`);
 }
 }
 validate.type = type;
 return validate;
}

function assertShape(shape) {
 function validate(node,
key, val) {
 const errors = [];
 for (const property of Object.keys(shape)) {
 try {
 (0,
 _validate.validateField)(node, property, val[property], shape[property]);
 } catch (error) {
 if (error
instanceof TypeError) {
 errors.push(error.message);
 continue;
 }
 throw error;
 }
 }
 if (errors.length) {
 throw new TypeError(`Property ${key} of ${node.type} expected to have the
following:\n${errors.join("\n\n")}`);
 }
 }
 validate.shapeOf = shape;
 return validate;
}

function
assertOptionalChainStart() {
 function validate(node) {
 var _current;
 let current = node;
 while (node) {
 const {
 type
 } = current;
 if (type === "OptionalCallExpression") {
 if (current.optional) return;
 current = current.callee;
 continue;
 }
 if (type === "OptionalMemberExpression") {
 if (current.optional) return;
 current = current.object;
 continue;
 }
 break;
 }
 throw new
TypeError(`Non-optional ${node.type} must chain from an optional OptionalMemberExpression or
OptionalCallExpression. Found chain from ${(_current = current) == null ? void 0 : _current.type}`);
 }
 return validate;
}

function chain(...fns) {
 function validate(...args) {
 for (const fn of fns) {
 fn(...args);
 }
 }
 validate.chainOf = fns;
 if (fns.length >= 2 && "type" in fns[0] && fns[0].type === "array" &&
!("each" in fns[1])) {
 throw new Error(`An assertValueType("array") validator can only be followed by an
assertEach(...) validator.`);
 }
 return validate;
}

const validTypeOpts = ["aliases", "builder",
"deprecatedAlias", "fields", "inherits", "visitor", "validate"];
const
validFieldKeys = ["default", "optional", "validate"];
function defineType(type, opts = {}) {
 const inherits
= opts.inherits && store[opts.inherits] || {};
 let fields = opts.fields;
 if (!fields) {
 fields = {};
 }
 if (inherits.fields) {
 const keys = Object.getOwnPropertyNames(inherits.fields);
 for (const key of keys) {
 const field = inherits.fields[key];
 const def = field.default;
 if (Array.isArray(def) ? def.length > 0 :
def && typeof def === "object") {
 throw new Error("field defaults can only be primitives or empty arrays
currently");
 }
 fields[key] = {
 default: Array.isArray(def) ? [] : def,
 optional:
field.optional,
 validate: field.validate
 };
 }
 }
 const visitor = opts.visitor ||
inherits.visitor || [];
 const aliases = opts.aliases || inherits.aliases || [];
 const builder = opts.builder ||
inherits.builder
|| opts.visitor || [];
 for (const k of Object.keys(opts)) {
 if (validTypeOpts.indexOf(k) === -1) {
 throw
new Error(`Unknown type option "${k}" on ${type}`);
 }
 }
 if (opts.deprecatedAlias) {
 DEPRECATED_KEYS[opts.deprecatedAlias] = type;
 }
 for (const key of visitor.concat(builder)) {
 fields[key] = fields[key] || {};
 }
 for (const key of Object.keys(fields)) {
 const field = fields[key];
 if (field.default !== undefined && builder.indexOf(key) === -1) {
 field.optional = true;
 }
 if (field.default === undefined) {
 field.default = null;
 }
 else if (!field.validate && field.default != null) {
 field.validate = assertValueType(getType(field.default));
 }
 }
 for (const k of Object.keys(field)) {
 if (validFieldKeys.indexOf(k) === -1) {
 throw new Error(`Unknown field key "${k}" on ${type}.${key}`);
 }
 }
 VISITOR_KEYS[type] = opts.visitor = visitor;
 BUILDER_KEYS[type] = opts.builder = builder;
 NODE_FIELDS[type] = opts.fields = fields;
 ALIAS_KEYS[type] = opts.aliases = aliases;
 aliases.forEach(alias => {
 FLIPPED_ALIAS_KEYS[alias] =
FLIPPED_ALIAS_KEYS[alias] || [];
 FLIPPED_ALIAS_KEYS[alias].push(type);
 });
 if (opts.validate)

```



```

{\n NODE_PARENT_VALIDATIONS[type] = opts.validate;\n } \n\n store[type] = opts;\n}\n\nconst store =
{,,"var baseIsNative = require('./_baseIsNative'),\n getValue = require('./_getValue');\n\n/**\n * Gets the native
function at `key` of `object`.\n *\n * @private\n * @param {Object} object The object to query.\n *\n * @param
{string} key The key of the method to get.\n *\n * @returns {*} Returns the function if it's native, else `undefined`.\n
*/\nfunction getNative(object, key) {\n var value = getValue(object, key);\n return baseIsNative(value) ? value :
undefined;\n}\n\nmodule.exports = getNative;\n"},/**\n * Checks if `value` is object-like. A value is object-like if
it's
not `null`\n *\n * and has a `typeof` result of `object`.\n *\n * @static\n * @memberOf _\n * @since 4.0.0\n *
@category Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is
object-like, else `false`.\n *\n * @example\n *\n * _.isObjectLike({});\n * // => true\n *\n * _.isObjectLike([1, 2, 3]);\n
* // => true\n *\n * _.isObjectLike(_noop);\n * // => false\n *\n * _.isObjectLike(null);\n * // => false\n */\nfunction
isObjectLike(value) {\n return value != null && typeof value == 'object';\n}\n\nmodule.exports =
isObjectLike;\n"},\n\n"\"use strict\";\n\nObject.defineProperty(exports, '__esModule', {\n value:
true\n});\n\nexports.NOT_LOCAL_BINDING = exports.BLOCK_SCOPED_SYMBOL = exports.INHERIT_KEYS
= exports.UNARY_OPERATORS = exports.STRING_UNARY_OPERATORS =
exports.NUMBER_UNARY_OPERATORS = exports.BOOLEAN_UNARY_OPERATORS =
exports.ASSIGNMENT_OPERATORS = exports.BINARY_OPERATORS =
exports.NUMBER_BINARY_OPERATORS = exports.BOOLEAN_BINARY_OPERATORS =
exports.COMPARISON_BINARY_OPERATORS
= exports.EQUALITY_BINARY_OPERATORS = exports.BOOLEAN_NUMBER_BINARY_OPERATORS =
exports.UPDATE_OPERATORS = exports.LOGICAL_OPERATORS = exports.COMMENT_KEYS =
exports.FOR_INIT_KEYS = exports.FLATTENABLE_KEYS = exports.STATEMENT_OR_BLOCK_KEYS =
void 0;\nconst STATEMENT_OR_BLOCK_KEYS = ['consequent', 'body',
'alternate'];\nexports.STATEMENT_OR_BLOCK_KEYS = STATEMENT_OR_BLOCK_KEYS;\nconst
FLATTENABLE_KEYS = ['body', 'expressions'];\nexports.FLATTENABLE_KEYS =
FLATTENABLE_KEYS;\nconst FOR_INIT_KEYS = ['left', 'init'];\nexports.FOR_INIT_KEYS =
FOR_INIT_KEYS;\nconst COMMENT_KEYS = ['leadingComments', 'trailingComments',
'innerComments'];\nexports.COMMENT_KEYS = COMMENT_KEYS;\nconst LOGICAL_OPERATORS =
['||', '&&', '??'];\nexports.LOGICAL_OPERATORS = LOGICAL_OPERATORS;\nconst
UPDATE_OPERATORS = ['++', '--'];\nexports.UPDATE_OPERATORS = UPDATE_OPERATORS;\nconst
BOOLEAN_NUMBER_BINARY_OPERATORS = ['>', '<', '>=',
'<='];\nexports.BOOLEAN_NUMBER_BINARY_OPERATORS
= BOOLEAN_NUMBER_BINARY_OPERATORS;\nconst EQUALITY_BINARY_OPERATORS = ['==',
'===', '!=', '!=='];\nexports.EQUALITY_BINARY_OPERATORS =
EQUALITY_BINARY_OPERATORS;\nconst COMPARISON_BINARY_OPERATORS =
[...EQUALITY_BINARY_OPERATORS, 'in',
'instanceof'];\nexports.COMPARISON_BINARY_OPERATORS =
COMPARISON_BINARY_OPERATORS;\nconst BOOLEAN_BINARY_OPERATORS =
[...COMPARISON_BINARY_OPERATORS,
...BOOLEAN_NUMBER_BINARY_OPERATORS];\nexports.BOOLEAN_BINARY_OPERATORS =
BOOLEAN_BINARY_OPERATORS;\nconst NUMBER_BINARY_OPERATORS = ['-', '^', '%', '*',
'**', '&', '|', '>>', '>>>', '<<', '^'];\nexports.NUMBER_BINARY_OPERATORS =
NUMBER_BINARY_OPERATORS;\nconst BINARY_OPERATORS = ['+',
...NUMBER_BINARY_OPERATORS,
...BOOLEAN_BINARY_OPERATORS];\nexports.BINARY_OPERATORS = BINARY_OPERATORS;\nconst
ASSIGNMENT_OPERATORS = ['=', '+=', ...NUMBER_BINARY_OPERATORS.map(op => op + '='),
...LOGICAL_OPERATORS.map(op => op + '=')];\nexports.ASSIGNMENT_OPERATORS

```

```

= ASSIGNMENT_OPERATORS;\nconst BOOLEAN_UNARY_OPERATORS = [\"delete\",
\"!\"];\\nexports.BOOLEAN_UNARY_OPERATORS = BOOLEAN_UNARY_OPERATORS;\nconst
NUMBER_UNARY_OPERATORS = [\"+\", \"-\", \"~\"];\\nexports.NUMBER_UNARY_OPERATORS =
NUMBER_UNARY_OPERATORS;\nconst STRING_UNARY_OPERATORS =
[\"typeof\"];\\nexports.STRING_UNARY_OPERATORS = STRING_UNARY_OPERATORS;\nconst
UNARY_OPERATORS = [\"void\", \"throw\", ...BOOLEAN_UNARY_OPERATORS,
...NUMBER_UNARY_OPERATORS, ...STRING_UNARY_OPERATORS];\\nexports.UNARY_OPERATORS =
UNARY_OPERATORS;\nconst INHERIT_KEYS = {\\n optional: [\"typeAnnotation\", \"typeParameters\",
\"returnType\"],\\n force: [\"start\", \"loc\", \"end\"]\\n};\\nexports.INHERIT_KEYS = INHERIT_KEYS;\nconst
BLOCK_SCOPED_SYMBOL = Symbol.for(\"var used to be block
scoped\");\\nexports.BLOCK_SCOPED_SYMBOL = BLOCK_SCOPED_SYMBOL;\nconst
NOT_LOCAL_BINDING = Symbol.for(\"should not be considered a local
binding\");\\nexports.NOT_LOCAL_BINDING = NOT_LOCAL_BINDING;\", \"use
strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\\n value: true\\n});\\nexports.default = cloneNode;\n\n\\n\\nvar _definitions =
require(\"../definitions\");\\n\\nconst has = Function.call.bind(Object.prototype.hasOwnProperty);\\n\\nfunction
cloneIfNode(obj, deep, withoutLoc) {\\n if (obj && typeof obj.type === \"string\") {\\n return cloneNode(obj,
deep, withoutLoc);\\n }\\n\\n return obj;\\n}\\n\\nfunction cloneIfNodeOrArray(obj, deep, withoutLoc) {\\n if
(Array.isArray(obj)) {\\n return obj.map(node => cloneIfNode(node, deep, withoutLoc));\\n }\\n\\n return
cloneIfNode(obj, deep, withoutLoc);\\n}\\n\\nfunction cloneNode(node, deep = true, withoutLoc = false) {\\n if
(!node) return node;\\n const {\\n type\\n } = node;\\n const newNode = {\\n type\\n };\\n\\n if (type ===
\"Identifier\") {\\n newNode.name = node.name;\\n\\n if (has(node, \"optional\") && typeof node.optional ===
\"boolean\") {\\n newNode.optional = node.optional;\\n }\\n\\n if (has(node, \"typeAnnotation\")) {\\n
 newNode.typeAnnotation = deep ? cloneIfNodeOrArray(node.typeAnnotation, true, withoutLoc) :
node.typeAnnotation;\\n }\\n } else if (!has(_definitions.NODE_FIELDS, type)) {\\n throw new Error(`Unknown
node type: \"${type}\"`);\\n } else {\\n for (const field of Object.keys(_definitions.NODE_FIELDS[type])) {\\n if
(has(node, field)) {\\n if (deep) {\\n newNode[field] = type === \"File\" && field === \"comments\" ?
maybeCloneComments(node.comments, deep, withoutLoc) : cloneIfNodeOrArray(node[field], true, withoutLoc);\\n
 } else {\\n newNode[field] = node[field];\\n }\\n }\\n }\\n\\n if (has(node, \"loc\")) {\\n if
(withoutLoc) {\\n newNode.loc = null;\\n } else {\\n newNode.loc = node.loc;\\n }\\n }\\n\\n if (has(node,
\"leadingComments\")) {\\n newNode.leadingComments = maybeCloneComments(node.leadingComments, deep,
withoutLoc);\\n }\\n\\n if (has(node, \"innerComments\")) {\\n newNode.innerComments =
maybeCloneComments(node.innerComments,
deep, withoutLoc);\\n }\\n\\n if (has(node, \"trailingComments\")) {\\n newNode.trailingComments =
maybeCloneComments(node.trailingComments, deep, withoutLoc);\\n }\\n\\n if (has(node, \"extra\")) {\\n
 newNode.extra = Object.assign({}, node.extra);\\n }\\n\\n return newNode;\\n }\\n}\\n\\nfunction
cloneCommentsWithoutLoc(comments) {\\n return comments.map(({\\n type,\\n value\\n }) => ({\\n type,\\n
 value,\\n loc: null\\n }));\\n}\\n\\nfunction maybeCloneComments(comments, deep, withoutLoc) {\\n return deep &&
withoutLoc ? cloneCommentsWithoutLoc(comments) : comments;\\n}\\n\\n\", \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\\n value: true\\n});\\nexports.NOT_LOCAL_BINDING
= exports.BLOCK_SCOPED_SYMBOL = exports.INHERIT_KEYS = exports.UNARY_OPERATORS =
exports.STRING_UNARY_OPERATORS = exports.NUMBER_UNARY_OPERATORS =
exports.BOOLEAN_UNARY_OPERATORS = exports.ASSIGNMENT_OPERATORS =
exports.BINARY_OPERATORS = exports.NUMBER_BINARY_OPERATORS =
exports.BOOLEAN_BINARY_OPERATORS
= exports.COMPARISON_BINARY_OPERATORS = exports.EQUALITY_BINARY_OPERATORS =
exports.BOOLEAN_NUMBER_BINARY_OPERATORS = exports.UPDATE_OPERATORS =
exports.LOGICAL_OPERATORS = exports.COMMENT_KEYS = exports.FOR_INIT_KEYS =

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exports.FLATTENABLE_KEYS = exports.STATEMENT_OR_BLOCK_KEYS = void 0;\nconst
STATEMENT_OR_BLOCK_KEYS = ["consequent", "body",
"alternate"]; \nexports.STATEMENT_OR_BLOCK_KEYS = STATEMENT_OR_BLOCK_KEYS;\nconst
FLATTENABLE_KEYS = ["body", "expressions"]; \nexports.FLATTENABLE_KEYS =
FLATTENABLE_KEYS;\nconst FOR_INIT_KEYS = ["left", "init"]; \nexports.FOR_INIT_KEYS =
FOR_INIT_KEYS;\nconst COMMENT_KEYS = ["leadingComments", "trailingComments",
"innerComments"]; \nexports.COMMENT_KEYS = COMMENT_KEYS;\nconst LOGICAL_OPERATORS =
["||", "&&", "??"]; \nexports.LOGICAL_OPERATORS = LOGICAL_OPERATORS;\nconst
UPDATE_OPERATORS = ["++", "--"]; \nexports.UPDATE_OPERATORS = UPDATE_OPERATORS;\nconst
BOOLEAN_NUMBER_BINARY_OPERATORS = [">",
"<", ">=", "<="]; \nexports.BOOLEAN_NUMBER_BINARY_OPERATORS =
BOOLEAN_NUMBER_BINARY_OPERATORS;\nconst EQUALITY_BINARY_OPERATORS = ["==",
"===", "!=", "!=="]; \nexports.EQUALITY_BINARY_OPERATORS =
EQUALITY_BINARY_OPERATORS;\nconst COMPARISON_BINARY_OPERATORS =
[...EQUALITY_BINARY_OPERATORS, "in",
"instanceof"]; \nexports.COMPARISON_BINARY_OPERATORS =
COMPARISON_BINARY_OPERATORS;\nconst BOOLEAN_BINARY_OPERATORS =
[...COMPARISON_BINARY_OPERATORS,
...BOOLEAN_NUMBER_BINARY_OPERATORS]; \nexports.BOOLEAN_BINARY_OPERATORS =
BOOLEAN_BINARY_OPERATORS;\nconst NUMBER_BINARY_OPERATORS = ["-", "^", "%", "*",
"/", "&", "||", ">>", ">>=", "<<", "^"]; \nexports.NUMBER_BINARY_OPERATORS =
NUMBER_BINARY_OPERATORS;\nconst BINARY_OPERATORS = ["+",
...NUMBER_BINARY_OPERATORS,
...BOOLEAN_BINARY_OPERATORS]; \nexports.BINARY_OPERATORS = BINARY_OPERATORS;\nconst
ASSIGNMENT_OPERATORS = ["=", "+=", ...NUMBER_BINARY_OPERATORS.map(op => op + "="),
...LOGICAL_OPERATORS.map(op
=> op + "=")]; \nexports.ASSIGNMENT_OPERATORS = ASSIGNMENT_OPERATORS;\nconst
BOOLEAN_UNARY_OPERATORS = ["delete", "!"]; \nexports.BOOLEAN_UNARY_OPERATORS =
BOOLEAN_UNARY_OPERATORS;\nconst NUMBER_UNARY_OPERATORS = ["+", "-",
"~"]; \nexports.NUMBER_UNARY_OPERATORS = NUMBER_UNARY_OPERATORS;\nconst
STRING_UNARY_OPERATORS = ["typeof"]; \nexports.STRING_UNARY_OPERATORS =
STRING_UNARY_OPERATORS;\nconst UNARY_OPERATORS = ["void", "throw",
...BOOLEAN_UNARY_OPERATORS, ...NUMBER_UNARY_OPERATORS,
...STRING_UNARY_OPERATORS]; \nexports.UNARY_OPERATORS = UNARY_OPERATORS;\nconst
INHERIT_KEYS = {\n optional: ["typeAnnotation", "typeParameters", "returnType"],\n force: ["start",
"loc", "end"]\n}; \nexports.INHERIT_KEYS = INHERIT_KEYS;\nconst BLOCK_SCOPED_SYMBOL =
Symbol.for("var used to be block scoped"); \nexports.BLOCK_SCOPED_SYMBOL =
BLOCK_SCOPED_SYMBOL;\nconst NOT_LOCAL_BINDING = Symbol.for("should not be considered a local
binding"); \nexports.NOT_LOCAL_BINDING = NOT_LOCAL_BINDING;,"use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n}); \nexports.default =
cloneNode;\n\nvar _definitions = require("../definitions");\n\nvar _generated =
require("../validators/generated");\n\nconst has =
Function.call.bind(Object.prototype.hasOwnProperty);\n\nfunction cloneIfNode(obj, deep, withoutLoc) {\n if (obj
&& typeof obj.type === "string") {\n return cloneNode(obj, deep, withoutLoc);\n }\n\n return
obj;\n}\n\nfunction cloneIfNodeOrArray(obj, deep, withoutLoc) {\n if (Array.isArray(obj)) {\n return
obj.map(node => cloneIfNode(node, deep, withoutLoc));\n }\n\n return cloneIfNode(obj, deep,
withoutLoc);\n}\n\nfunction cloneNode(node, deep = true, withoutLoc = false) {\n if (!node) return node;\n const
{\n type\n } = node;\n const newNode = {\n type: node.type\n }; \n if ((0, _generated.isIdentifier)(node)) {\n

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newNode.name = node.name;\n\n if (has(node, \"optional\") && typeof node.optional ===
 \"boolean\") {\n newNode.optional = node.optional;\n }\n\n if (has(node, \"typeAnnotation\") {\n
newNode.typeAnnotation = deep ? cloneIfNodeOrArray(node.typeAnnotation, true, withoutLoc) :
node.typeAnnotation;\n }\n } else if (!has(_definitions.NODE_FIELDS, type)) {\n throw new Error(`Unknown
node type: \"${type}\"`);\n } else {\n for (const field of Object.keys(_definitions.NODE_FIELDS[type])) {\n if
(has(node, field)) {\n if (deep) {\n newNode[field] = (0, _generated.isFile)(node) && field ===
\"comments\" ? maybeCloneComments(node.comments, deep, withoutLoc) : cloneIfNodeOrArray(node[field], true,
withoutLoc);\n } else {\n newNode[field] = node[field];\n }\n }\n }\n\n if (has(node,
\"loc\")) {\n if (withoutLoc) {\n newNode.loc = null;\n } else {\n newNode.loc = node.loc;\n }\n }\n\n if (has(node, \"leadingComments\")) {\n newNode.leadingComments =
maybeCloneComments(node.leadingComments,
deep, withoutLoc);\n }\n\n if (has(node, \"innerComments\")) {\n newNode.innerComments =
maybeCloneComments(node.innerComments, deep, withoutLoc);\n }\n\n if (has(node, \"trailingComments\")) {\n
newNode.trailingComments = maybeCloneComments(node.trailingComments, deep, withoutLoc);\n }\n\n if
(has(node, \"extra\")) {\n newNode.extra = Object.assign({}, node.extra);\n }\n\n return
newNode;\n}\n\nfunction maybeCloneComments(comments, deep, withoutLoc) {\n if (!comments || !deep) {\n
return comments;\n }\n\n return comments.map(({\n type,\n value,\n loc\n }) => {\n if (withoutLoc) {\n
return {\n type,\n value,\n loc: null\n }; \n }\n\n return {\n type,\n value,\n loc\n };\n
});\n}","\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
traverse;\n\nObject.defineProperty(exports, \"NodePath\", {\n enumerable: true,\n get: function ()
{\n return _path.default;\n }\n});\n\nObject.defineProperty(exports, \"Scope\", {\n enumerable: true,\n get:
function () {\n return _scope.default;\n }\n});\n\nObject.defineProperty(exports, \"Hub\", {\n enumerable: true,\n
get: function () {\n return _hub.default;\n }\n});\n\nexports.visitors = void 0;\n\nvar _context =
_interopRequireDefault(require(\"./context\"));\n\nvar visitors =
_interopRequireWildcard(require(\"./visitors\"));\n\nexports.visitors = visitors;\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nvar cache =
_interopRequireWildcard(require(\"./cache\"));\n\nvar _path = _interopRequireDefault(require(\"./path\"));\n\nvar
_scope = _interopRequireDefault(require(\"./scope\"));\n\nvar _hub =
_interopRequireDefault(require(\"./hub\"));\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj)
{\n if (obj && obj.__esModule) { return obj; }\n if (obj === null || typeof obj !== \"object\" &&
typeof obj !== \"function\") { return { default: obj }; }\n var cache = _getRequireWildcardCache(); if (cache &&
cache.has(obj)) { return cache.get(obj); }\n var newObj = {};\n var hasPropertyDescriptor = Object.defineProperty &&
Object.getOwnPropertyDescriptor;\n for (var key in obj) {\n if (Object.prototype.hasOwnProperty.call(obj, key)) {\n var
desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;\n if (desc && (desc.get || desc.set))
{\n Object.defineProperty(newObj, key, desc);\n }\n }\n }\n newObj.default = obj;\n if (cache) {\n cache.set(obj, newObj);\n }\n return newObj;\n}\n\nfunction _interopRequireDefault(obj) {\n return obj &&
obj.__esModule ? obj : {\n default: obj\n };\n}\n\nfunction traverse(parent, opts, scope, state, parentPath) {\n if (!parent)
return;\n if (!opts) opts = {};\n\n if (!opts.noScope && !scope) {\n if (parent.type !==
\"Program\" && parent.type !== \"File\") {\n throw new Error(`You must pass a scope and parentPath unless
traversing a Program/File. ` + `Instead of that you tried to traverse a ${parent.type} node without ` + `\"passing
scope and parentPath.\"`);\n }\n }\n\n if (!t.VISITOR_KEYS[parent.type]) {\n return;\n }\n\n visitors.explode(opts);\n traverse.node(parent, opts, scope, state, parentPath);\n}\n\ntraverse.visitors =
visitors;\ntraverse.verify = visitors.verify;\ntraverse.explode = visitors.explode;\n\ntraverse.cheap = function (node,
enter) {\n return t.traverseFast(node, enter);\n};\n\ntraverse.node = function (node, opts, scope, state, parentPath,
skipKeys) {\n const keys = t.VISITOR_KEYS[node.type];\n if (!keys) return;\n const context = new
_context.default(scope, opts, state, parentPath);\n\n for (const key of keys) {\n if (skipKeys && skipKeys[key])

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continue;\n if (context.visit(node, key)) return;\n };\n\ntraverse.clearNode = function (node, opts)
{\n t.removeProperties(node, opts);\n cache.path.delete(node);\n};\n\ntraverse.removeProperties = function (tree,
opts) {\n t.traverseFast(tree, traverse.clearNode, opts);\n return tree;\n};\n\nfunction hasDenylistedType(path,
state) {\n if (path.node.type === state.type) {\n state.has = true;\n path.stop();\n }\n}\n\ntraverse.hasType =
function (tree, type, denylistTypes) {\n if (denylistTypes == null ? void 0 : denylistTypes.includes(tree.type)) return
false;\n if (tree.type === type) return true;\n const state = {\n has: false,\n type: type\n };\n traverse(tree, {\n
noScope: true,\n denylist: denylistTypes,\n enter: hasDenylistedType\n }, null, state);\n return
state.has;\n};\n\ntraverse.cache = cache;";\n\nvar Symbol = require('./_Symbol'),\n getRawTag =
require('./_getRawTag'),\n objectToString = require('./_objectToString');\n\n/** `Object#toString` result
references. */\n\nvar nullTag = '[object Null]',\n undefinedTag = '[object Undefined]';\n\n/**
Built-in value references. */\n\nvar symToStringTag = Symbol ? Symbol.toStringTag : undefined;\n\n/**\n * The
base implementation of `getTag` without fallbacks for buggy environments.\n * @private\n * @param {*} value
The value to query.\n * @returns {string} Returns the `toStringTag`.\n */\n\nfunction baseGetTag(value) {\n if (value
== null) {\n return value === undefined ? undefinedTag : nullTag;\n }\n return (symToStringTag &&
symToStringTag in Object(value))\n ? getRawTag(value)\n : objectToString(value);\n}\n\nmodule.exports =
baseGetTag;\n\n,""use strict";\n\nObject.defineProperty(exports, '__esModule', {\n value:
true\n});\n\nObject.defineProperty(exports, 'isIdentifierName', {\n enumerable: true,\n get: function () {\n return
_identifier.isIdentifierName;\n }\n});\n\nObject.defineProperty(exports, 'isIdentifierChar', {\n enumerable: true,\n
get: function () {\n return _identifier.isIdentifierChar;\n }\n});\n\nObject.defineProperty(exports,
'isIdentifierStart', {\n enumerable: true,\n get: function () {\n return _identifier.isIdentifierStart;\n
}\n});\n\nObject.defineProperty(exports, 'isReservedWord', {\n enumerable: true,\n get: function () {\n return
_keyword.isReservedWord;\n }\n});\n\nObject.defineProperty(exports, 'isStrictBindOnlyReservedWord', {\n
enumerable: true,\n get: function () {\n return _keyword.isStrictBindOnlyReservedWord;\n }\n});\n\nObject.defineProperty(exports, 'isStrictBindReservedWord', {\n enumerable: true,\n get: function () {\n return
_keyword.isStrictBindReservedWord;\n }\n});\n\nObject.defineProperty(exports, 'isStrictReservedWord', {\n
enumerable: true,\n get: function () {\n return _keyword.isStrictReservedWord;\n }\n});\n\nObject.defineProperty(exports, 'isKeyword', {\n enumerable: true,\n get: function () {\n return
_keyword.isKeyword;\n }\n});\n\nvar _identifier = require('./_identifier');\n\nvar _keyword =
require('./_keyword');\n\n,""use strict";\n\nObject.defineProperty(exports,
'__esModule', {\n value: true\n});\n\nvar _exportNames = {\n react: true,\n assertNode: true,\n
createTypeAnnotationBasedOnTypeof: true,\n createUnionTypeAnnotation: true,\n createFlowUnionType: true,\n
createTSUnionType: true,\n cloneNode: true,\n clone: true,\n cloneDeep: true,\n cloneDeepWithoutLoc: true,\n
cloneWithoutLoc: true,\n addComment: true,\n addComments: true,\n inheritInnerComments: true,\n
inheritLeadingComments: true,\n inheritsComments: true,\n inheritTrailingComments: true,\n removeComments:
true,\n ensureBlock: true,\n toBindingIdentifierName: true,\n toBlock: true,\n toComputedKey: true,\n
toExpression: true,\n toIdentifier: true,\n toKeyAlias: true,\n toSequenceExpression: true,\n toStatement: true,\n
valueToNode: true,\n appendToMemberExpression: true,\n inherits: true,\n prependToMemberExpression: true,\n
removeProperties: true,\n removePropertiesDeep: true,\n removeTypeDuplicates: true,\n getBindingIdentifiers:
true,\n getOuterBindingIdentifiers: true,\n traverse: true,\n traverseFast: true,\n shallowEqual: true,\n is: true,\n
isBinding: true,\n isBlockScoped: true,\n isImmutable: true,\n isLet: true,\n isNode: true,\n isNodesEquivalent:
true,\n isPlaceholderType: true,\n isReferenced: true,\n isScope: true,\n isSpecifierDefault: true,\n isType: true,\n
isValidES3Identifier: true,\n isValidIdentifier: true,\n isVar: true,\n matchesPattern: true,\n validate: true,\n
buildMatchMemberExpression: true\n};\n\nObject.defineProperty(exports, 'assertNode', {\n enumerable: true,\n
get: function () {\n return _assertNode.default;\n }\n});\n\nObject.defineProperty(exports,
'createTypeAnnotationBasedOnTypeof', {\n enumerable: true,\n get: function () {\n return
_createTypeAnnotationBasedOnTypeof.default;\n }\n});\n\nObject.defineProperty(exports,
'createUnionTypeAnnotation', {\n enumerable: true,\n get: function () {\n return

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_createFlowUnionType.default;\n
 }\n});\nObject.defineProperty(exports, \"createFlowUnionType\", {\n enumerable: true,\n get: function () {\n return _createFlowUnionType.default;\n }\n});\nObject.defineProperty(exports, \"createTSUnionType\", {\n enumerable: true,\n get: function () {\n return _createTSUnionType.default;\n }\n});\nObject.defineProperty(exports, \"cloneNode\", {\n enumerable: true,\n get: function () {\n return _cloneNode.default;\n }\n});\nObject.defineProperty(exports, \"clone\", {\n enumerable: true,\n get: function () {\n return _clone.default;\n }\n});\nObject.defineProperty(exports, \"cloneDeep\", {\n enumerable: true,\n get: function () {\n return _cloneDeep.default;\n }\n});\nObject.defineProperty(exports, \"cloneDeepWithoutLoc\", {\n enumerable: true,\n get: function () {\n return _cloneDeepWithoutLoc.default;\n }\n});\nObject.defineProperty(exports, \"cloneWithoutLoc\", {\n enumerable: true,\n get: function () {\n return _cloneWithoutLoc.default;\n }\n});\nObject.defineProperty(exports, \"addComment\", {\n enumerable: true,\n get: function () {\n return _addComment.default;\n }\n});\nObject.defineProperty(exports, \"addComments\", {\n enumerable: true,\n get: function () {\n return _addComments.default;\n }\n});\nObject.defineProperty(exports, \"inheritInnerComments\", {\n enumerable: true,\n get: function () {\n return _inheritInnerComments.default;\n }\n});\nObject.defineProperty(exports, \"inheritLeadingComments\", {\n enumerable: true,\n get: function () {\n return _inheritLeadingComments.default;\n }\n});\nObject.defineProperty(exports, \"inheritsComments\", {\n enumerable: true,\n get: function () {\n return _inheritsComments.default;\n }\n});\nObject.defineProperty(exports, \"inheritTrailingComments\", {\n enumerable: true,\n get: function () {\n return _inheritTrailingComments.default;\n }\n});\nObject.defineProperty(exports, \"removeComments\", {\n enumerable: true,\n get: function () {\n return _removeComments.default;\n }\n});\nObject.defineProperty(exports, \"ensureBlock\", {\n enumerable: true,\n get: function () {\n return _ensureBlock.default;\n }\n});\nObject.defineProperty(exports, \"toBindingIdentifierName\", {\n enumerable: true,\n get: function () {\n return _toBindingIdentifierName.default;\n }\n});\nObject.defineProperty(exports, \"toBlock\", {\n enumerable: true,\n get: function () {\n return _toBlock.default;\n }\n});\nObject.defineProperty(exports, \"toComputedKey\", {\n enumerable: true,\n get: function () {\n return _toComputedKey.default;\n }\n});\nObject.defineProperty(exports, \"toExpression\", {\n enumerable: true,\n get: function () {\n return _toExpression.default;\n }\n});\nObject.defineProperty(exports, \"toIdentifier\", {\n enumerable: true,\n get: function () {\n return _toIdentifier.default;\n }\n});\nObject.defineProperty(exports, \"toKeyAlias\", {\n enumerable: true,\n get: function () {\n return _toKeyAlias.default;\n }\n});\nObject.defineProperty(exports, \"toSequenceExpression\", {\n enumerable: true,\n get: function () {\n return _toSequenceExpression.default;\n }\n});\nObject.defineProperty(exports, \"toStatement\", {\n enumerable: true,\n get: function () {\n return _toStatement.default;\n }\n});\nObject.defineProperty(exports, \"valueToNode\", {\n enumerable: true,\n get: function () {\n return _valueToNode.default;\n }\n});\nObject.defineProperty(exports, \"appendToMemberExpression\", {\n enumerable: true,\n get: function () {\n return _appendToMemberExpression.default;\n }\n});\nObject.defineProperty(exports, \"inherits\", {\n enumerable: true,\n get: function () {\n return _inherits.default;\n }\n});\nObject.defineProperty(exports, \"prependToMemberExpression\", {\n enumerable: true,\n get: function () {\n return _prependToMemberExpression.default;\n }\n});\nObject.defineProperty(exports, \"removeProperties\", {\n enumerable: true,\n get: function () {\n return _removeProperties.default;\n }\n});\nObject.defineProperty(exports, \"removePropertiesDeep\", {\n enumerable: true,\n get: function () {\n return _removePropertiesDeep.default;\n }\n});\nObject.defineProperty(exports, \"removeTypeDuplicates\", {\n enumerable: true,\n get: function () {\n return _removeTypeDuplicates.default;\n }\n});\nObject.defineProperty(exports, \"getBindingIdentifiers\", {\n enumerable: true,\n get: function () {\n return _getBindingIdentifiers.default;\n }\n});\nObject.defineProperty(exports, \"getOuterBindingIdentifiers\", {\n enumerable: true,\n get: function () {\n return _getOuterBindingIdentifiers.default;\n }\n});

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}\n});\nObject.defineProperty(exports, \"traverse\", {\n enumerable: true,\n get: function () {\n return
_traverse.default;\n }\n});\nObject.defineProperty(exports, \"traverseFast\", {\n enumerable: true,\n get: function ()
{\n return _traverseFast.default;\n }\n});\nObject.defineProperty(exports,
\"shallowEqual\", {\n enumerable: true,\n get: function () {\n return _shallowEqual.default;\n
}\n});\nObject.defineProperty(exports, \"is\", {\n enumerable: true,\n get: function () {\n return _is.default;\n
}\n});\nObject.defineProperty(exports, \"isBinding\", {\n enumerable: true,\n get: function () {\n return
_isBinding.default;\n }\n});\nObject.defineProperty(exports, \"isBlockScoped\", {\n enumerable: true,\n get:
function () {\n return _isBlockScoped.default;\n }\n});\nObject.defineProperty(exports, \"isImmutable\", {\n
enumerable: true,\n get: function () {\n return _isImmutable.default;\n }\n});\nObject.defineProperty(exports,
\"isLet\", {\n enumerable: true,\n get: function () {\n return _isLet.default;\n
}\n});\nObject.defineProperty(exports, \"isNode\", {\n enumerable: true,\n get: function () {\n return
_isNode.default;\n }\n});\nObject.defineProperty(exports, \"isNodesEquivalent\", {\n enumerable: true,\n
get: function () {\n return _isNodesEquivalent.default;\n }\n});\nObject.defineProperty(exports,
\"isPlaceholderType\", {\n enumerable: true,\n get: function () {\n return _isPlaceholderType.default;\n
}\n});\nObject.defineProperty(exports, \"isReferenced\", {\n enumerable: true,\n get: function () {\n return
_isReferenced.default;\n }\n});\nObject.defineProperty(exports, \"isScope\", {\n enumerable: true,\n get: function
() {\n return _isScope.default;\n }\n});\nObject.defineProperty(exports, \"isSpecifierDefault\", {\n enumerable:
true,\n get: function () {\n return _isSpecifierDefault.default;\n }\n});\nObject.defineProperty(exports, \"isType\",
{\n enumerable: true,\n get: function () {\n return _isType.default;\n }\n});\nObject.defineProperty(exports,
\"isValidES3Identifier\", {\n enumerable: true,\n get: function () {\n return _isValidES3Identifier.default;\n
}\n});\nObject.defineProperty(exports, \"isValidIdentifier\", {\n enumerable:
true,\n get: function () {\n return _isValidIdentifier.default;\n }\n});\nObject.defineProperty(exports, \"isVar\",
{\n enumerable: true,\n get: function () {\n return _isVar.default;\n }\n});\nObject.defineProperty(exports,
\"matchesPattern\", {\n enumerable: true,\n get: function () {\n return _matchesPattern.default;\n
}\n});\nObject.defineProperty(exports, \"validate\", {\n enumerable: true,\n get: function () {\n return
_validate.default;\n }\n});\nObject.defineProperty(exports, \"buildMatchMemberExpression\", {\n enumerable:
true,\n get: function () {\n return _buildMatchMemberExpression.default;\n }\n});\nexports.react = void 0;\n\nvar
_isReactComponent = require(\"./validators/react/isReactComponent\");\n\nvar _isCompatTag =
require(\"./validators/react/isCompatTag\");\n\nvar _buildChildren =
require(\"./builders/react/buildChildren\");\n\nvar _assertNode = require(\"./asserts/assertNode\");\n\nvar _generated
= require(\"./asserts/generated\");\n\nObject.keys(_generated).forEach(function
(key) {\n if (key === \"default\" || key === \"__esModule\") return;\n if
(Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in exports && exports[key] ===
_generated[key]) return;\n Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n
return _generated[key];\n }\n });\n});\n\nvar _createTypeAnnotationBasedOnTypeof =
require(\"./builders/flow/createTypeAnnotationBasedOnTypeof\");\n\nvar _createFlowUnionType =
require(\"./builders/flow/createFlowUnionType\");\n\nvar _createTSUnionType =
require(\"./builders/typescript/createTSUnionType\");\n\nvar _generated2 =
require(\"./builders/generated\");\n\nObject.keys(_generated2).forEach(function (key) {\n if (key === \"default\" ||
key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key
in exports && exports[key] === _generated2[key]) return;\n Object.defineProperty(exports,
key, {\n enumerable: true,\n get: function () {\n return _generated2[key];\n }\n });\n});\n\nvar _uppercase
= require(\"./builders/generated/uppercase\");\n\nObject.keys(_uppercase).forEach(function (key) {\n if (key ===
\"default\" || key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key))
return;\n if (key in exports && exports[key] === _uppercase[key]) return;\n Object.defineProperty(exports,
key, {\n enumerable: true,\n get: function () {\n return _uppercase[key];\n }\n });\n});\n\nvar _cloneNode =
require(\"./clone/cloneNode\");\n\nvar _clone = require(\"./clone/clone\");\n\nvar _cloneDeep =
require(\"./clone/cloneDeep\");\n\nvar _cloneDeepWithoutLoc = require(\"./clone/cloneDeepWithoutLoc\");\n\nvar

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_cloneWithoutLoc = require(\"./clone/cloneWithoutLoc\");\n\nvar _addComment =
require(\"./comments/addComment\");\n\nvar _addComments = require(\"./comments/addComments\");\n\nvar
_inheritInnerComments = require(\"./comments/inheritInnerComments\");\n\nvar
_inheritLeadingComments = require(\"./comments/inheritLeadingComments\");\n\nvar _inheritsComments =
require(\"./comments/inheritsComments\");\n\nvar _inheritTrailingComments =
require(\"./comments/inheritTrailingComments\");\n\nvar _removeComments =
require(\"./comments/removeComments\");\n\nvar _generated3 =
require(\"./constants/generated\");\n\nObject.keys(_generated3).forEach(function (key) {\n if (key === \"default\" ||
key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key
in exports && exports[key] === _generated3[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _generated3[key];\n }\n });\n});\n\nvar _constants =
require(\"./constants\");\n\nObject.keys(_constants).forEach(function (key) {\n if (key === \"default\" || key ===
\"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames,
key)) return;\n if (key in exports && exports[key] === _constants[key]) return;\n Object.defineProperty(exports,
key, {\n enumerable: true,\n get: function () {\n return _constants[key];\n }\n });\n});\n\nvar _ensureBlock =
require(\"./converters/ensureBlock\");\n\nvar _toBindingIdentifierName =
require(\"./converters/toBindingIdentifierName\");\n\nvar _toBlock = require(\"./converters/toBlock\");\n\nvar
_toComputedKey = require(\"./converters/toComputedKey\");\n\nvar _toExpression =
require(\"./converters/toExpression\");\n\nvar _toIdentifier = require(\"./converters/toIdentifier\");\n\nvar
_toKeyAlias = require(\"./converters/toKeyAlias\");\n\nvar _toSequenceExpression =
require(\"./converters/toSequenceExpression\");\n\nvar _toStatement = require(\"./converters/toStatement\");\n\nvar
_valueToNode = require(\"./converters/valueToNode\");\n\nvar _definitions =
require(\"./definitions\");\n\nObject.keys(_definitions).forEach(function (key) {\n if (key ===
\"default\" || key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key))
return;\n if (key in exports && exports[key] === _definitions[key]) return;\n Object.defineProperty(exports, key,
{\n enumerable: true,\n get: function () {\n return _definitions[key];\n }\n });\n});\n\nvar
_appendToMemberExpression = require(\"./modifications/appendToMemberExpression\");\n\nvar _inherits =
require(\"./modifications/inherits\");\n\nvar _prependToMemberExpression =
require(\"./modifications/prependToMemberExpression\");\n\nvar _removeProperties =
require(\"./modifications/removeProperties\");\n\nvar _removePropertiesDeep =
require(\"./modifications/removePropertiesDeep\");\n\nvar _removeTypeDuplicates =
require(\"./modifications/flow/removeTypeDuplicates\");\n\nvar _getBindingIdentifiers =
require(\"./retrievers/getBindingIdentifiers\");\n\nvar _getOuterBindingIdentifiers =
require(\"./retrievers/getOuterBindingIdentifiers\");\n\nvar _traverse
= require(\"./traverse/traverse\");\n\nObject.keys(_traverse).forEach(function (key) {\n if (key === \"default\" || key
=== \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in
exports && exports[key] === _traverse[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _traverse[key];\n }\n });\n});\n\nvar _traverseFast =
require(\"./traverse/traverseFast\");\n\nvar _shallowEqual = require(\"./utils/shallowEqual\");\n\nvar _is =
require(\"./validators/is\");\n\nvar _isBinding = require(\"./validators/isBinding\");\n\nvar _isBlockScoped =
require(\"./validators/isBlockScoped\");\n\nvar _isImmutable = require(\"./validators/isImmutable\");\n\nvar _isLet
= require(\"./validators/isLet\");\n\nvar _isNode = require(\"./validators/isNode\");\n\nvar _isNodesEquivalent =
require(\"./validators/isNodesEquivalent\");\n\nvar _isPlaceholderType =
require(\"./validators/isPlaceholderType\");\n\nvar
_isReferenced = require(\"./validators/isReferenced\");\n\nvar _isScope = require(\"./validators/isScope\");\n\nvar
_isSpecifierDefault = require(\"./validators/isSpecifierDefault\");\n\nvar _isType =
require(\"./validators/isType\");\n\nvar _isValidES3Identifier = require(\"./validators/isValidES3Identifier\");\n\nvar
_isValidIdentifier = require(\"./validators/isValidIdentifier\");\n\nvar _isVar = require(\"./validators/isVar\");\n\nvar

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_matchesPattern = require("./validators/matchesPattern");\n\nvar _validate =
require("./validators/validate");\n\nvar _buildMatchMemberExpression =
require("./validators/buildMatchMemberExpression");\n\nvar _generated4 =
require("./validators/generated");\n\nObject.keys(_generated4).forEach(function (key) {\n if (key === "default" ||
key === "__esModule") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key
in exports && exports[key] === _generated4[key]) return;\n Object.defineProperty(exports,
key, {\n enumerable: true,\n get: function () {\n return _generated4[key];\n }\n });\n});\n\nvar _generated5
= require("./ast-types/generated");\n\nObject.keys(_generated5).forEach(function (key) {\n if (key === "default"
|| key === "__esModule") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if
(key in exports && exports[key] === _generated5[key]) return;\n Object.defineProperty(exports, key, {\n
enumerable: true,\n get: function () {\n return _generated5[key];\n }\n });\n});\n\nconst react = {\n
isReactComponent: _isReactComponent.default,\n isCompatTag: _isCompatTag.default,\n buildChildren:
_buildChildren.default\n};\n\nexports.react = react;","/* - Mode: js; js-indent-level: 2; - * -\n/*\n * Copyright 2011
Mozilla Foundation and contributors\n * Licensed under the New BSD license. See LICENSE or:\n *
http://opensource.org/licenses/BSD-3-Clause\n * -\n * This is a helper function for
getting values from parameter/options\n * objects.\n * -\n * @param args The object we are extracting values from\n
* @param name The name of the property we are getting.\n * @param defaultValue An optional value to return if
the property is missing\n * from the object. If this is not specified and the property is missing, an\n * error will be
thrown.\n * -\nfunction getArg(aArgs, aName, aDefaultValue) {\n if (aName in aArgs) {\n return
aArgs[aName];\n } else if (arguments.length === 3) {\n return aDefaultValue;\n } else {\n throw new Error("'"
+ aName + "' is a required argument.");\n }\n}\n\nexports.getArg = getArg;\n\nvar urlRegex = /^(?:([\\w+\\-
.]+):)?(?:\\\\\\\\(?:[\\w+\\-\\\\\\\\@])?(?:[\\w+\\-]*)(?:[\\d+])?(.*)$)/;\nvar dataUrlRegex = /^data:.+\\.\\.+$/;\n\nfunction
urlParse(aUrl) {\n var match = aUrl.match(urlRegex);\n if (!match) {\n return null;\n }\n return {\n scheme:
match[1],\n auth: match[2],\n host: match[3],\n port: match[4],\n path: match[5]\n }; \n}\n\nexports.urlParse
= urlParse;\n\nfunction urlGenerate(aParsedUrl) {\n var url = "";\n if (aParsedUrl.scheme) {\n url +=
aParsedUrl.scheme + "://";\n }\n if (aParsedUrl.auth) {\n url += aParsedUrl.auth + "@";\n }\n if
(aParsedUrl.host) {\n url += aParsedUrl.host;\n }\n if (aParsedUrl.port) {\n url += ":" + aParsedUrl.port;\n }\n
if (aParsedUrl.path) {\n url += aParsedUrl.path;\n }\n return url;\n}\n\nexports.urlGenerate = urlGenerate;\n\nvar
MAX_CACHED_INPUTS = 32;\n\n/*\n * Takes some function `f(input) -> result` and returns a memoized
version of\n * `f`.\n * -\n * We keep at most `MAX_CACHED_INPUTS` memoized results of `f` alive. The\n *
memoization is a dumb-simple, linear least-recently-used cache.\n * -\nfunction lruMemoize(f) {\n var cache =
[];\n\n return function(input) {\n for (var i = 0; i < cache.length; i++) {\n if (cache[i].input === input) {\n
var temp = cache[0];\n cache[0] = cache[i];\n cache[i] = temp;\n\n return cache[0].result;\n }\n }\n\n var result = f(input);\n cache.unshift({\n input,\n result,\n });\n\n if (cache.length > MAX_CACHED_INPUTS) {\n cache.pop();\n }\n\n return result;\n};\n\n/*\n * Normalizes a path, or the path portion of a URL.\n * -\n * Replaces consecutive slashes with one
slash.\n * -\n * Removes unnecessary '.' parts.\n * -\n * Removes unnecessary '<dir>..' parts.\n * -\n * Based on code in the
Node.js 'path' core module.\n * -\n * @param aPath The path or url to normalize.\n * -\nvar normalize =
lruMemoize(function normalize(aPath) {\n var path = aPath;\n var url = urlParse(aPath);\n if (url) {\n if
(!url.path) {\n return aPath;\n }\n path = url.path;\n }\n var isAbsolute = exports.isAbsolute(path);\n // Split
the path into parts between `^` characters. This is much faster than\n // using `.split(/\\+/g)`.\n var parts = [];\n var
start = 0;\n var i = 0;\n while (true) {\n start = i;\n\n i = path.indexOf("^", start);\n if (i === -1) {\n parts.push(path.slice(start));\n break;\n } else {\n parts.push(path.slice(start, i));\n while (i < path.length && path[i] === "\\^") {\n i++; \n }\n }\n }\n\n for (var part, up = 0, i = parts.length - 1; i >= 0; i--) {\n part = parts[i];\n if (part === '.') {\n parts.splice(i,
1);\n } else if (part === '..') {\n up++; \n } else if (up > 0) {\n if (part === "") {\n // The first part is
blank if the path is absolute. Trying to go\n // above the root is a no-op. Therefore we can remove all '..' parts\n
 // directly after the root.\n parts.splice(i + 1, up);\n up = 0;\n } else {\n parts.splice(i, 2);\n up-

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-;\n }\n }\n path = parts.join('/');\n\n if (path === "") {\n path = isAbsolute ? '/' : '.';\n }\n\n if (url) {\n url.path = path;\n return urlGenerate(url);\n }\n return path;\n });\n\n exports.normalize = normalize;\n\n /**\n * Joins two paths/URLs.\n * @param aRoot The root path or URL.\n * @param aPath The path or URL to be joined with the root.\n * - If aPath is a URL or a data URI, aPath is returned, unless aPath is a\n * scheme-relative URL: Then the scheme of aRoot, if any, is prepended\n * first.\n * - Otherwise aPath is a path. If aRoot is a URL, then its path portion\n * is updated with the result and aRoot is returned. Otherwise the\n * result\n * is returned.\n * - If aPath is absolute, the result is aPath.\n * - Otherwise the two paths are joined with a slash.\n * - Joining for example 'http://' and 'www.example.com' is also supported.\n */\n function join(aRoot, aPath) {\n if (aRoot === "") {\n aRoot = ".";\n }\n if (aPath === "") {\n aPath = ".";\n }\n var aPathUrl = urlParse(aPath);\n var aRootUrl = urlParse(aRoot);\n if (aRootUrl) {\n aRoot = aRootUrl.path || '/';\n }\n\n //\n `join(foo, '//www.example.org')`\n if\n (aPathUrl && !aPathUrl.scheme) {\n if (aRootUrl) {\n aPathUrl.scheme = aRootUrl.scheme;\n }\n return\n urlGenerate(aPathUrl);\n }\n\n if (aPathUrl || aPath.match(dataUrlRegexp)) {\n return aPath;\n }\n\n //\n `join('http://', 'www.example.com')`\n if (aRootUrl && !aRootUrl.host && !aRootUrl.path) {\n aRootUrl.host =\n aPath;\n return urlGenerate(aRootUrl);\n }\n\n var joined = aPath.charAt(0) === '/'\n ? aPath\n :\n normalize(aRoot.replace(/\\/+$/, "") + '/' + aPath);\n\n if (aRootUrl) {\n aRootUrl.path = joined;\n return\n urlGenerate(aRootUrl);\n }\n\n return joined;\n }\n\n exports.join = join;\n\n exports.isAbsolute = function (aPath) {\n return aPath.charAt(0) === '/' || urlRegexp.test(aPath);\n };\n\n /**\n * Make a path relative to a URL or another\n * path.\n * @param aRoot The root path or URL.\n * @param aPath The path or URL to be made relative to\n * aRoot.\n */\n function relative(aRoot, aPath) {\n if (aRoot === "") {\n aRoot = ".";\n }\n\n aRoot = aRoot.replace(/\\/+$/, "");\n\n // It is possible for the path to be above the root. In this case, simply\n //\n checking whether the root is a prefix of the path won't work. Instead, we\n //\n need to remove components from the\n root one by one, until either we find\n //\n a prefix that fits, or we run out of components to remove.\n var level = 0;\n while (aPath.indexOf(aRoot + '/') !== 0) {\n var index = aRoot.lastIndexOf("/");\n if (index < 0) {\n return\n aPath;\n }\n\n // If the only part of the root that is left is the scheme (i.e. http://,\n //\n file://, etc.), one or more\n slashes (/), or simply nothing at all, we\n //\n have exhausted all components, so the path is not relative to the root.\n aRoot = aRoot.slice(0, index);\n if (aRoot.match(/^(\\/+)([\\w\\W]+)?\\w*$$/)) {\n return aPath;\n }\n ++level;\n }\n\n // Make sure we add a "../" for each component we removed from the root.\n return Array(level +\n 1).join("../") + aPath.substr(aRoot.length\n + 1);\n }\n\n exports.relative = relative;\n\n var supportsNullProto = (function () {\n var obj = Object.create(null);\n return\n !('__proto__' in obj);\n })();\n\n function identity(s) {\n return s;\n }\n\n /**\n * Because behavior goes wacky\n * when you set `__proto__` on objects, we\n * have to prefix all the strings in our set with an arbitrary character.\n */\n * See https://github.com/mozilla/source-map/pull/31 and\n * https://github.com/mozilla/source-map/issues/30\n * @param String aStr\n */\n function toSetString(aStr) {\n if (isProtoString(aStr)) {\n return\n '$' + aStr;\n }\n\n return\n aStr;\n }\n\n exports.toSetString = supportsNullProto ? identity : toSetString;\n\n function fromSetString(aStr)\n {\n if (isProtoString(aStr)) {\n return\n aStr.slice(1);\n }\n\n return\n aStr;\n }\n\n exports.fromSetString =\n supportsNullProto ? identity : fromSetString;\n\n function isProtoString(s) {\n if (!s) {\n return\n false;\n }\n\n var\n length = s.length;\n\n if (length < 9 /\n '\\__proto__'.length) {\n return\n false;\n }\n\n if (s.charCodeAt(length - 1) !== 95 /* '_' */ ||\n s.charCodeAt(length - 2) !== 95 /* '_' */ ||\n s.charCodeAt(length - 3) !== 111 /* 'o' */ ||\n s.charCodeAt(length - 4) !== 116 /* 't' */ ||\n s.charCodeAt(length - 5) !== 111 /* 'o' */ ||\n s.charCodeAt(length - 6) !== 114 /* 'r' */ ||\n s.charCodeAt(length - 7) !== 112 /* 'p' */ ||\n s.charCodeAt(length - 8) !== 95 /* '_' */ ||\n s.charCodeAt(length - 9) !== 95 /* '_' */) {\n return\n false;\n }\n\n for (var i = length - 10; i >= 0; i--) {\n if (s.charCodeAt(i) !== 36 /* '$' */) {\n return\n false;\n }\n }\n\n return\n true;\n }\n\n /**\n * Comparator between two mappings where the original positions are compared.\n */\n * Optionally pass in `true` as `onlyCompareGenerated` to consider two\n * mappings with the same original\n source/line/column, but different generated\n * line and column the same. Useful when searching for a mapping

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with a\n * stubbed out mapping;\n */\nfunction compareByOriginalPositions(mappingA, mappingB,
onlyCompareOriginal) {\n var cmp = strcmp(mappingA.source, mappingB.source);\n if (cmp !== 0) {\n return
cmp;\n }\n\n cmp = mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0 || onlyCompareOriginal) {\n
return cmp;\n }\n\n cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n if (cmp !== 0) {\n
return cmp;\n }\n\n cmp = mappingA.generatedLine - mappingB.generatedLine;\n if (cmp !== 0) {\n return
cmp;\n }\n\n return strcmp(mappingA.name, mappingB.name);\n}\n\nexports.compareByOriginalPositions =
compareByOriginalPositions;\n\n\nfunction compareByOriginalPositionsNoSource(mappingA, mappingB,
onlyCompareOriginal) {\n var cmp\n\n cmp = mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0)
{\n return cmp;\n }\n\n cmp = mappingA.originalColumn
- mappingB.originalColumn;\n if (cmp !== 0 || onlyCompareOriginal) {\n return cmp;\n }\n\n cmp =
mappingA.generatedColumn - mappingB.generatedColumn;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp =
mappingA.generatedLine - mappingB.generatedLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n return
strcmp(mappingA.name, mappingB.name);\n}\n\nexports.compareByOriginalPositionsNoSource =
compareByOriginalPositionsNoSource;\n\n\n/**\n * Comparator between two mappings with deflated source and
name indices where\n * the generated positions are compared.\n * \n * Optionally pass in `true` as
`onlyCompareGenerated` to consider two\n * mappings with the same generated line and column, but different\n *
source/name/original line and column the same. Useful when searching for a\n * mapping with a stubbed out
mapping.\n * \n\nfunction compareByGeneratedPositionsDeflated(mappingA, mappingB, onlyCompareGenerated)
{\n var cmp = mappingA.generatedLine - mappingB.generatedLine;\n if
(cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n if
(cmp !== 0 || onlyCompareGenerated) {\n return cmp;\n }\n\n cmp = strcmp(mappingA.source,
mappingB.source);\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.originalLine -
mappingB.originalLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.originalColumn -
mappingB.originalColumn;\n if (cmp !== 0) {\n return cmp;\n }\n\n return strcmp(mappingA.name,
mappingB.name);\n}\n\nexports.compareByGeneratedPositionsDeflated =
compareByGeneratedPositionsDeflated;\n\n\nfunction compareByGeneratedPositionsDeflatedNoLine(mappingA,
mappingB, onlyCompareGenerated) {\n var cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n
if (cmp !== 0 || onlyCompareGenerated) {\n return cmp;\n }\n\n cmp = strcmp(mappingA.source,
mappingB.source);\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.originalLine -
mappingB.originalLine;\n if (cmp !==
0) {\n return cmp;\n }\n\n cmp = mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0) {\n
return cmp;\n }\n\n return strcmp(mappingA.name,
mappingB.name);\n}\n\nexports.compareByGeneratedPositionsDeflatedNoLine =
compareByGeneratedPositionsDeflatedNoLine;\n\n\nfunction strcmp(aStr1, aStr2) {\n if (aStr1 === aStr2) {\n
return 0;\n }\n\n if (aStr1 === null) {\n return 1; // aStr2 !== null\n }\n\n if (aStr2 === null) {\n
return -1; // aStr1 !== null\n }\n\n if (aStr1 > aStr2) {\n return 1;\n }\n\n return -1;\n}\n\n\n/**\n * Comparator between two
mappings with inflated source and name strings where\n * the generated positions are compared.\n * \n\nfunction
compareByGeneratedPositionsInflated(mappingA, mappingB) {\n var cmp = mappingA.generatedLine -
mappingB.generatedLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.generatedColumn -
mappingB.generatedColumn;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = strcmp(mappingA.source,
mappingB.source);\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.originalLine -
mappingB.originalLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.originalColumn -
mappingB.originalColumn;\n if (cmp !== 0) {\n return cmp;\n }\n\n return strcmp(mappingA.name,
mappingB.name);\n}\n\nexports.compareByGeneratedPositionsInflated =
compareByGeneratedPositionsInflated;\n\n\n/**\n * Strip any JSON XSSI avoidance prefix from the string (as
documented\n * in the source maps specification), and then parse the string as\n * JSON.\n * \n\nfunction
parseSourceMapInput(str) {\n return JSON.parse(str.replace(/\\[/\\]/g)[\"[\"\\n\"]*\\n/),

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match[1],\n auth: match[2],\n host: match[3],\n port: match[4],\n path: match[5]\n };\n}\nexports.urlParse
= urlParse;\n\nfunction urlGenerate(aParsedUrl) {\n var url = "";\n if (aParsedUrl.scheme) {\n url +=
aParsedUrl.scheme + ':';\n }\n url += '\/';\n if (aParsedUrl.auth) {\n url += aParsedUrl.auth + '@';\n }\n if
(aParsedUrl.host) {\n url += aParsedUrl.host;\n }\n if (aParsedUrl.port) {\n url += ':' + aParsedUrl.port;\n }\n if
(aParsedUrl.path) {\n url += aParsedUrl.path;\n }\n return url;\n}\nexports.urlGenerate = urlGenerate;\n\n**\n
* Normalizes a path, or the path portion of a URL.\n
* - Replaces consecutive slashes with one slash.\n
* - Removes unnecessary '.' parts.\n
* - Removes unnecessary '<dir>/' parts.\n
* - Based on code in the Node.js 'path'
core module.\n
* - @param aPath The path or url to normalize.\n
* -\nfunction normalize(aPath) {\n var path =
aPath;\n var url = urlParse(aPath);\n if (url) {\n if (!url.path) {\n return aPath;\n }\n path = url.path;\n }\n var
isAbsolute = exports.isAbsolute(path);\n\n var parts = path.split(\/\+\/);\n for (var part, up = 0, i = parts.length - 1; i >= 0; i--) {\n part = parts[i];\n if (part
=== '.') {\n parts.splice(i, 1);\n } else if (part === '..') {\n up++;\n } else if (up > 0) {\n if (part === "")
{\n // The first part is blank if the path is absolute. Trying to go\n // above the root is a no-op. Therefore we
can remove all '.' parts\n // directly after the root.\n parts.splice(i + 1, up);\n up = 0;\n } else {\n
parts.splice(i, 2);\n up--;\n }\n }\n path = parts.join(\/);\n\n if (path === "") {\n path = isAbsolute ? '
': '.';\n }\n }\n\n if (url) {\n url.path = path;\n return urlGenerate(url);\n }\n return path;\n}\nexports.normalize =
normalize;\n\n**\n
* Joins two paths/URLs.\n
* - @param aRoot The root path or URL.\n
* - @param aPath The
path or URL to be joined with the root.\n
* - If aPath is a URL or a data URI, aPath
is returned, unless aPath is a\n
* - scheme-relative URL: Then the scheme of aRoot, if any, is prepended\n
* - first.\n
* - Otherwise aPath is a path. If aRoot is a URL, then its path portion\n
* - is updated with the result and aRoot is
returned. Otherwise the result\n
* - is returned.\n
* - If aPath is absolute, the result is aPath.\n
* - Otherwise the
two paths are joined with a slash.\n
* - Joining for example 'http:/' and 'www.example.com' is also supported.\n
* -\nfunction join(aRoot, aPath) {\n if (aRoot === '') {\n aRoot = '.';\n }\n if (aPath === '') {\n aPath =
'';\n }\n var aPathUrl = urlParse(aPath);\n var aRootUrl = urlParse(aRoot);\n if (aRootUrl) {\n aRoot =
aRootUrl.path || '\/';\n }\n\n // `join(foo, '//www.example.org')`\n if (aPathUrl && !aPathUrl.scheme) {\n if
(aRootUrl) {\n aPathUrl.scheme = aRootUrl.scheme;\n }\n return urlGenerate(aPathUrl);\n }\n\n if
(aPathUrl || aPath.match(dataUriRegex)) {\n return aPath;\n }\n\n // `join('http:/', 'www.example.com')`\n if (aRootUrl && !aRootUrl.host && !aRootUrl.path) {\n
aRootUrl.host = aPath;\n return urlGenerate(aRootUrl);\n }\n\n var joined = aPath.charAt(0) === '\/' ? aPath\n : normalize(aRoot.replace(\/\+$/, '') + '\/' + aPath);\n\n if (aRootUrl) {\n aRootUrl.path = joined;\n return
urlGenerate(aRootUrl);\n }\n return joined;\n}\nexports.join = join;\nexports.isAbsolute = function (aPath) {\n
return aPath.charAt(0) === '\/' || !!aPath.match(urlRegex);\n};\n\n**\n
* Make a path relative to a URL or another
path.\n
* - @param aRoot The root path or URL.\n
* - @param aPath The path or URL to be made relative to
aRoot.\n
* -\nfunction relative(aRoot, aPath) {\n if (aRoot === '') {\n aRoot = '.';\n }\n\n aRoot =
aRoot.replace(\/\+$/, '');\n\n // It is possible for the path to be above the root. In this case, simply\n // checking
whether the root is a prefix of the path won't work. Instead, we\n // need to remove
components from the root one by one, until either we find\n // a prefix that fits, or we run out of components to
remove.\n var level = 0;\n while (aPath.indexOf(aRoot + '\/') !== 0) {\n var index = aRoot.lastIndexOf(\/\^);\n
if (index < 0) {\n return aPath;\n }\n\n // If the only part of the root that is left is the scheme (i.e. http://,\n //
file://, etc.), one or more slashes (/), or simply nothing at all, we\n // have exhausted all components, so the path is
not relative to the root.\n aRoot = aRoot.slice(0, index);\n if (aRoot.match(\/\^([\/\+]+:\/)?\+\/$\/)) {\n return
aPath;\n }\n\n ++level;\n }\n\n // Make sure we add a "..." for each component we removed from the root.\n return Array(level + 1).join(\/"..\/") + aPath.substr(aRoot.length + 1);\n}\nexports.relative = relative;\n\nvar
supportsNullProto = (function () {\n var obj = Object.create(null);\n return !('__proto__' in obj);\n})();\n\nfunction
identity(s) {\n return s;\n}\n\n**\n
* Because behavior goes wacky when you set `__proto__` on objects, we\n
* have to prefix all the strings in our set
with an arbitrary character.\n
* -\n* See https://github.com/mozilla/source-map/pull/31 and\n
* https://github.com/mozilla/source-map/issues/30\n
* - @param String aStr\n
* -\nfunction toSetString(aStr) {\n if

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(isProtoString(aStr)) {\n return '$' + aStr;\n } \n\n return aStr;\n}\n\nexports.toSetString = supportsNullProto ?
identity : toSetString;\n\nfunction fromSetString(aStr) {\n if (isProtoString(aStr)) {\n return aStr.slice(1);\n }\n\n return aStr;\n}\n\nexports.fromSetString = supportsNullProto ? identity : fromSetString;\n\nfunction isProtoString(s)
{\n if (!s) {\n return false;\n }\n\n var length = s.length;\n\n if (length < 9 /* " __proto__ ".length */) {\n return
false;\n }\n\n if (s.charCodeAt(length - 1) !== 95 /* '_' */ ||\n s.charCodeAt(length - 2) !== 95 /* '_' */ ||\n s.charCodeAt(length - 3) !== 111 /* 'o' */ ||\n s.charCodeAt(length - 4) !== 116 /* 't' */ ||\n s.charCodeAt(length - 5) !== 111 /* 'o' */ ||\n s.charCodeAt(length - 6) !== 114 /* 'r' */ ||\n s.charCodeAt(length - 7) !== 112 /* 'p' */ ||\n s.charCodeAt(length - 8) !== 95 /* '_' */ ||\n s.charCodeAt(length - 9) !== 95 /* '_' */) {\n return false;\n }\n\n for (var i = length - 10; i >= 0; i--) {\n if (s.charCodeAt(i) !== 36 /* '$' */) {\n return false;\n }\n }\n\n return
true;\n}\n\n/**\n * Comparator between two mappings where the original positions are compared.\n *\n * Optionally pass in `true` as `onlyCompareGenerated` to consider two\n * mappings with the same original
source/line/column, but different generated\n * line and column the same. Useful when searching for a mapping
with a\n * stubbed out mapping.\n */\nfunction compareByOriginalPositions(mappingA, mappingB,
onlyCompareOriginal) {\n var cmp = mappingA.source - mappingB.source;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp =
mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0 || onlyCompareOriginal) {\n return
cmp;\n }\n\n cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n if (cmp !== 0) {\n return
cmp;\n }\n\n cmp = mappingA.generatedLine - mappingB.generatedLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n return mappingA.name - mappingB.name;\n}\n\nexports.compareByOriginalPositions =
compareByOriginalPositions;\n\n/**\n * Comparator between two mappings with deflated source and name indices
where\n * the generated positions are compared.\n *\n * Optionally pass in `true` as `onlyCompareGenerated` to
consider two\n * mappings with the same generated line and column, but different\n * source/name/original line and
column the same. Useful when searching for a\n * mapping with a stubbed out mapping.\n */\nfunction
compareByGeneratedPositionsDeflated(mappingA,
mappingB, onlyCompareGenerated) {\n var cmp = mappingA.generatedLine - mappingB.generatedLine;\n if (cmp
!== 0) {\n return cmp;\n }\n\n cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n if (cmp !==
0 || onlyCompareGenerated) {\n return cmp;\n }\n\n cmp = mappingA.source - mappingB.source;\n if (cmp !==
0) {\n return cmp;\n }\n\n cmp = mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0) {\n return
cmp;\n }\n\n cmp = mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0) {\n return cmp;\n }\n\n return mappingA.name - mappingB.name;\n}\n\nexports.compareByGeneratedPositionsDeflated =
compareByGeneratedPositionsDeflated;\n\nfunction strcmp(aStr1, aStr2) {\n if (aStr1 === aStr2) {\n return 0;\n }\n\n if (aStr1 > aStr2) {\n return 1;\n }\n\n return -1;\n}\n\n/**\n * Comparator between two mappings with
inflated source and name strings where\n * the generated positions are compared.\n */\nfunction
compareByGeneratedPositionsInflated(mappingA,
mappingB) {\n var cmp = mappingA.generatedLine - mappingB.generatedLine;\n if (cmp !== 0) {\n return
cmp;\n }\n\n cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n if (cmp !== 0) {\n return
cmp;\n }\n\n cmp = strcmp(mappingA.source, mappingB.source);\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp =
mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp =
mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0) {\n return cmp;\n }\n\n return
strcmp(mappingA.name, mappingB.name);\n}\n\nexports.compareByGeneratedPositionsInflated =
compareByGeneratedPositionsInflated;\n\n"var listCacheClear = require('./_listCacheClear'),\n listCacheDelete =
require('./_listCacheDelete'),\n listCacheGet = require('./_listCacheGet'),\n listCacheHas =
require('./_listCacheHas'),\n listCacheSet = require('./_listCacheSet');\n\n/**\n * Creates an list cache object.\n *\n * @private\n *
* @constructor\n * @param {Array} [entries] The key-value pairs to cache.\n */\nfunction ListCache(entries) {\n var index = -1,\n length = entries == null ? 0 : entries.length;\n\n this.clear();\n while (++index < length) {\n var entry = entries[index];\n this.set(entry[0], entry[1]);\n }\n}\n\n// Add methods to

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`ListCache`.prototype.clear = listCacheClear;\nListCache.prototype['delete'] =
listCacheDelete;\nListCache.prototype.get = listCacheGet;\nListCache.prototype.has =
listCacheHas;\nListCache.prototype.set = listCacheSet;\n\nmodule.exports = ListCache;\n", "var eq =
require('./eq');\n\n/**\n * Gets the index at which the `key` is found in `array` of key-value pairs.\n * \n * @private\n * @param {Array} array The array to inspect.\n * @param {*} key The key to search for.\n * @returns {number}\n * Returns the index of the matched value, else -1.\n */\nfunction assocIndexOf(array, key) {\n var length =
array.length;\n while (length--) {\n if (eq(array[length][0],\n key)) {\n return length;\n }\n }\n return -1;\n}\n\nmodule.exports = assocIndexOf;\n", "var getNative =
require('./_getNative');\n\n/**\n * Built-in method references that are verified to be native.\n */\nvar nativeCreate =
getNative(Object, 'create');\n\nmodule.exports = nativeCreate;\n", "var isKeyable = require('./_isKeyable');\n\n/**\n * Gets the data for `map`.\n * \n * @private\n * @param {Object} map The map to query.\n * @param {string} key The reference key.\n * @returns {*} Returns the map data.\n */\nfunction getMapData(map, key) {\n var data =
map.__data__;\n return isKeyable(key) ? data[typeof key == 'string' ? 'string' : 'hash'] :\n data.map;\n}\n\nmodule.exports = getMapData;\n", "var assignValue = require('./_assignValue');\n\nbaseAssignValue = require('./_baseAssignValue');\n\n/**\n * Copies properties of `source` to `object`.\n * \n * @private\n * @param {Object} source The object to copy properties from.\n * @param {Array} props The property\n identifiers\n to copy.\n * @param {Object} [object={}] The object to copy properties to.\n * @param {Function} [customizer]\n The function to customize copied values.\n * @returns {Object} Returns `object`.\n */\nfunction copyObject(source, props, object, customizer) {\n var isNew = !object;\n object || (object = {});\n\n var index = -1,\n length =\n props.length;\n\n while (++index < length) {\n var key = props[index];\n var newValue = customizer ?\n customizer(object[key], source[key], key, object, source) :\n undefined;\n\n if (newValue === undefined) {\n newValue = source[key];\n }\n\n if (isNew) {\n baseAssignValue(object, key, newValue);\n } else {\n assignValue(object, key, newValue);\n }\n }\n return object;\n}\n\nmodule.exports =\n copyObject;\n", "module.exports = function(module) {\n if (!module.webpackPolyfill) {\n module.deprecate =\n function() {};\n module.paths = [];\n module.parent = undefined;\n if (!module.children) {\n module.children = [];\n }\n Object.defineProperty(module, 'loaded', {\n enumerable: true,\n get: function() {\n return module.l;\n }\n });\n Object.defineProperty(module, 'id', {\n enumerable:\n true,\n get: function() {\n return module.i;\n }\n });\n module.webpackPolyfill = 1;\n }\n return\n module;\n};\n", "/*\n * The base implementation of `_.unary` without support for storing metadata.\n * \n * @private\n * @param {Function} func The function to cap arguments for.\n * @returns {Function} Returns the\n new capped function.\n */\nfunction baseUnary(func) {\n return function(value) {\n return func(value);\n };\n}\n\nmodule.exports = baseUnary;\n", "var freeGlobal = require('./_freeGlobal');\n\n/**\n * Detect free variable\n `exports`.\n */\nvar freeExports = typeof exports == 'object' && exports && !exports.nodeType && exports;\n\n/**\n * Detect free variable\n `module`.\n */\nvar freeModule = freeExports && typeof module == 'object'\n && module && !module.nodeType && module;\n\n/**\n * Detect the popular CommonJS extension\n `module.exports`.\n */\nvar moduleExports = freeModule && freeModule.exports === freeExports;\n\n/**\n * Detect\n free variable `process` from Node.js.\n */\nvar freeProcess = moduleExports && freeGlobal.process;\n\n/**\n * Used to\n access faster Node.js helpers.\n */\nvar nodeUtil = (function() {\n try {\n // Use `util.types` for Node.js 10+.\n var\n types = freeModule && freeModule.require && freeModule.require('util').types;\n\n if (types) {\n return\n types;\n }\n\n // Legacy `process.binding('util')` for Node.js < 10.\n return freeProcess && freeProcess.binding\n && freeProcess.binding('util');\n } catch (e) {};\n})();\n\nmodule.exports = nodeUtil;\n", "use\nstrict";\n\nObject.defineProperty(exports, '__esModule', {\n value: true\n});\n\nexports.default = is;\n\nvar _shallowEqual = _interopRequireDefault(require("../utils/shallowEqual")); \nvar _isType =\n _interopRequireDefault(require("../isType")); \nvar _isPlaceholderType = _interopRequireDefault(require("../isPlaceholderType")); \nvar _definitions =\n require("../definitions"); \n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : {\n default: obj\n}; }\n\nfunction is(type, node, opts) {\n if (!node) return false;\n const matches = (0,\n
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_isType.default)(node.type, type);\n\n if (!matches) {\n if (!opts && node.type === \"Placeholder\" && type in
_definitions.FLIPPED_ALIAS_KEYS) {\n return (0, _isPlaceholderType.default)(node.expectedNode, type);\n
 }\n\n return false;\n } \n\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n\n\"\", \"\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n
value: true\n});\n\nexports.default = getBindingIdentifiers;\n\nvar _generated =
require(\"../validators/generated\");\n\nfunction getBindingIdentifiers(node, duplicates, outerOnly) {\n let search =
[].concat(node);\n\n const ids = Object.create(null);\n\n while (search.length) {\n const id = search.shift();\n if (!id) continue;\n\n const keys = getBindingIdentifiers.keys[id.type];\n\n if ((0, _generated.isIdentifier)(id)) {\n if (duplicates) {\n const _ids = ids[id.name] = ids[id.name] || [];\n _ids.push(id);\n } else {\n ids[id.name] = id;\n }\n\n continue;\n }\n\n if ((0, _generated.isExportDeclaration)(id)) {\n if ((0,
_generated.isDeclaration)(id.declaration)) {\n search.push(id.declaration);\n }\n\n continue;\n }\n\n if (outerOnly) {\n if ((0, _generated.isFunctionDeclaration)(id)) {\n search.push(id.id);\n continue;\n }\n\n if ((0, _generated.isFunctionExpression)(id)) {\n continue;\n }\n }\n\n if (keys) {\n for (let i = 0; i < keys.length; i++) {\n const key = keys[i];\n\n if (id[key]) {\n search = search.concat(id[key]);\n }\n }\n }\n\n return ids;\n }\n\n getBindingIdentifiers.keys = {\n DeclareClass: [\"id\"],\n DeclareFunction: [\"id\"],\n DeclareModule: [\"id\"],\n DeclareVariable: [\"id\"],\n DeclareInterface: [\"id\"],\n DeclareTypeAlias: [\"id\"],\n DeclareOpaqueType: [\"id\"],\n InterfaceDeclaration: [\"id\"],\n TypeAlias: [\"id\"],\n OpaqueType: [\"id\"],\n CatchClause: [\"param\"],\n LabeledStatement: [\"label\"],\n UnaryExpression: [\"argument\"],\n AssignmentExpression: [\"left\"],\n ImportSpecifier: [\"local\"],\n ImportNamespaceSpecifier: [\"local\"],\n ImportDefaultSpecifier: [\"local\"],\n ImportDeclaration: [\"specifiers\"],\n ExportSpecifier: [\"exported\"],\n ExportNamespaceSpecifier: [\"exported\"],\n ExportDefaultSpecifier: [\"exported\"],\n FunctionDeclaration: [\"id\", \"params\"],\n FunctionExpression: [\"id\", \"params\"],\n ArrowFunctionExpression: [\"params\"],\n ObjectMethod: [\"params\"],\n ClassMethod: [\"params\"],\n ForInStatement: [\"left\"],\n ForOfStatement: [\"left\"],\n ClassDeclaration: [\"id\"],\n ClassExpression: [\"id\"],\n RestElement: [\"argument\"],\n UpdateExpression: [\"argument\"],\n ObjectProperty: [\"value\"],\n AssignmentPattern: [\"left\"],\n ArrayPattern: [\"elements\"],\n ObjectPattern: [\"properties\"],\n VariableDeclaration: [\"declarations\"],\n VariableDeclarator: [\"id\"]\n }; \n\n \"\"use strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\n exports.default = is;\n\n var _shallowEqual =
require(\"../utils/shallowEqual\");\n\n var _isType = require(\"../isType\");\n\n var _isPlaceholderType =
require(\"../isPlaceholderType\");\n\n var _definitions = require(\"../definitions\");\n\n function is(type, node, opts) {\n if (!node) return false;\n\n const matches = (0, _isType.default)(node.type, type);\n\n if (!matches) {\n if (!opts && node.type === \"Placeholder\" && type in _definitions.FLIPPED_ALIAS_KEYS) {\n return (0,
_isPlaceholderType.default)(node.expectedNode, type);\n }\n\n return false;\n }\n\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n \"\", \"\"use strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\n exports.default = getBindingIdentifiers;\n\n var _generated =
require(\"../validators/generated\");\n\n function getBindingIdentifiers(node, duplicates, outerOnly) {\n let search =
[].concat(node);\n\n const ids = Object.create(null);\n\n while (search.length) {\n const id = search.shift();\n if (!id) continue;\n\n const keys = getBindingIdentifiers.keys[id.type];\n\n if ((0, _generated.isIdentifier)(id)) {\n if (duplicates) {\n const _ids = ids[id.name] = ids[id.name] || [];\n _ids.push(id);\n } else {\n ids[id.name] = id;\n }\n\n continue;\n }\n\n if ((0, _generated.isExportDeclaration)(id) && !(0,
_generated.isExportAllDeclaration)(id)) {\n if ((0, _generated.isDeclaration)(id.declaration)) {\n search.push(id.declaration);\n }\n\n continue;\n }\n\n if (outerOnly) {\n if ((0, _generated.isFunctionDeclaration)(id)) {\n search.push(id.id);\n continue;\n }\n\n if ((0, _generated.isFunctionExpression)(id)) {\n continue;\n }\n }\n\n if (keys) {\n for (let i = 0; i < keys.length; i++) {\n const key = keys[i];\n\n if (id[key]) {\n search =
search.concat(id[key]);\n }\n }\n }\n\n return ids;\n }\n\n getBindingIdentifiers.keys = {\n

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DeclareClass: ["id"],\n DeclareFunction: ["id"],\n DeclareModule: ["id"],\n DeclareVariable: ["id"],\n
DeclareInterface: ["id"],\n DeclareTypeAlias: ["id"],\n DeclareOpaqueType: ["id"],\n InterfaceDeclaration:
["id"],\n TypeAlias: ["id"],\n OpaqueType: ["id"],\n CatchClause: ["param"],\n LabeledStatement:
["label"],\n UnaryExpression: ["argument"],\n
AssignmentExpression: ["left"],\n ImportSpecifier: ["local"],\n ImportNamespaceSpecifier: ["local"],\n
ImportDefaultSpecifier: ["local"],\n ImportDeclaration: ["specifiers"],\n ExportSpecifier: ["exported"],\n
ExportNamespaceSpecifier: ["exported"],\n ExportDefaultSpecifier: ["exported"],\n FunctionDeclaration:
["id", "params"],\n FunctionExpression: ["id", "params"],\n ArrowFunctionExpression: ["params"],\n
ObjectMethod: ["params"],\n ClassMethod: ["params"],\n ForInStatement: ["left"],\n ForOfStatement:
["left"],\n ClassDeclaration: ["id"],\n ClassExpression: ["id"],\n RestElement: ["argument"],\n
UpdateExpression: ["argument"],\n ObjectProperty: ["value"],\n AssignmentPattern: ["left"],\n ArrayPattern:
["elements"],\n ObjectPattern: ["properties"],\n VariableDeclaration: ["declarations"],\n VariableDeclarator:
["id"]\n);", "\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\nexports.clear = clear;\nexports.clearPath = clearPath;\nexports.clearScope = clearScope;\nexports.scope =
exports.path = void 0;\nlet path = new WeakMap();\nexports.path = path;\nlet scope = new
WeakMap();\nexports.scope = scope;\n\nfunction clear() {\n clearPath();\n clearScope();\n}\n\nfunction clearPath()
{\n exports.path = path = new WeakMap();\n}\n\nfunction clearScope() {\n exports.scope = scope = new
WeakMap();\n}", "\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\nexports.default = shallowEqual;\n\nfunction shallowEqual(actual, expected) {\n const keys =
Object.keys(expected);\n\n for (const key of keys) {\n if (actual[key] !== expected[key]) {\n return false;\n
}\n }\n\n return true;\n}", "var getNative = require('./_getNative'),\n root = require('./_root');\n\n/* Built-in method
references that are verified to be native. */\nvar Map = getNative(root, 'Map');\n\nmodule.exports = Map;\n", "var
root = require('./_root');\n\n**\n\nBuilt-in value references. */\nvar Symbol = root.Symbol;\n\nmodule.exports = Symbol;\n", "var arrayLikeKeys =
require('./_arrayLikeKeys'),\n baseKeys = require('./_baseKeys'),\n isArrayLike =
require('./isArrayLike');\n\n/**\n * Creates an array of the own enumerable property names of `object`.\n * \n *
Note: Non-object values are coerced to objects. See the\n * [ES spec](http://ecma-international.org/ecma-
262/7.0/#sec-object.keys)\n * for more details.\n * \n * @static\n * @since 0.1.0\n * @memberOf _\n * @category
Object\n * @param {Object} object The object to query.\n * @returns {Array} Returns the array of property
names.\n * @example\n *\n * function Foo() {\n * this.a = 1;\n * this.b = 2;\n * }\n *\n * Foo.prototype.c = 3;\n
*\n * _.keys(new Foo);\n * // => ['a', 'b'] (iteration order is not guaranteed)\n *\n * _.keys('hi');\n * // => ['0', '1']\n
*\nfunction keys(object) {\n return isArrayLike(object) ? arrayLikeKeys(object) :
baseKeys(object);\n}\n\nmodule.exports
= keys;\n", "/*\n * Checks if `value` is classified as an `Array` object.\n * \n * @static\n * @memberOf _\n *
@since 0.1.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true`
if `value` is an array, else `false`.\n * @example\n *\n * _.isArray([1, 2, 3]);\n * // => true\n *\n *
_.isArray(document.body.children);\n * // => false\n *\n * _.isArray('abc');\n * // => false\n *\n *
.isArray(.noop);\n * // => false\n */\nvar isArray = Array.isArray;\n\nmodule.exports = isArray;\n", "/* Used for
built-in method references. */\nvar objectProto = Object.prototype;\n\n/**\n * Checks if `value` is likely a prototype
object.\n * \n * @private\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value`
is a prototype, else `false`.\n * \nfunction isPrototype(value) {\n var Ctor = value && value.constructor,\n proto
= (typeof Ctor == 'function' && Ctor.prototype) || objectProto;\n\n return value
=== proto;\n}\n\nmodule.exports = isPrototype;\n", "var arrayLikeKeys = require('./_arrayLikeKeys'),\n
baseKeysIn = require('./_baseKeysIn'),\n isArrayLike = require('./isArrayLike');\n\n/**\n * Creates an array of the
own and inherited enumerable property names of `object`.\n * \n * **Note:** Non-object values are coerced to
objects.\n * \n * @static\n * @memberOf _\n * @since 3.0.0\n * @category Object\n * @param {Object} object
The object to query.\n * @returns {Array} Returns the array of property names.\n * @example\n *\n * function
Foo() {\n * this.a = 1;\n * this.b = 2;\n * }\n *\n * Foo.prototype.c = 3;\n *\n * _.keysIn(new Foo);\n * // => ['a',

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'b', 'c'] (iteration order is not guaranteed)\n */\nfunction keysIn(object) {\n return isArrayLike(object) ?
arrayLikeKeys(object, true) : baseKeysIn(object);\n}\n\nmodule.exports = keysIn;\n", "var arrayFilter =
require('./_arrayFilter'),\n stubArray = require('./stubArray');\n\n/** Used for built-in method references. */\nvar
objectProto = Object.prototype;\n\n/** Built-in value references. */\nvar propertyIsEnumerable =
objectProto.propertyIsEnumerable;\n\n/** Built-in method references for those with the same name as other `lodash`
methods. */\nvar nativeGetSymbols = Object.getOwnPropertySymbols;\n\n/**\n * Creates an array of the own
enumerable symbols of `object`.\n * @private\n * @param {Object} object The object to query.\n * @returns
{Array} Returns the array of symbols.\n */\nvar getSymbols = !nativeGetSymbols ? stubArray : function(object) {\n
if (object == null) {\n return [];\n }\n object = Object(object);\n return arrayFilter(nativeGetSymbols(object),
function(symbol) {\n return propertyIsEnumerable.call(object, symbol);\n });\n};\n\nmodule.exports =
getSymbols;\n", "var overArg = require('./_overArg');\n\n/** Built-in value references. */\nvar getPrototype =
overArg(Object.getPrototypeOf, Object);\n\nmodule.exports = getPrototype;\n", "var DataView =
require('./_DataView'),\n Map
= require('./_Map'),\n Promise = require('./_Promise'),\n Set = require('./_Set'),\n WeakMap =
require('./_WeakMap'),\n baseGetTag = require('./_baseGetTag'),\n toSource = require('./_toSource');\n\n/**
`Object#toString` result references. */\nvar mapTag = '[object Map]',\n objectTag = '[object Object]',\n
promiseTag = '[object Promise]',\n setTag = '[object Set]',\n weakMapTag = '[object WeakMap]';\n\nvar
dataViewTag = '[object DataView]';\n\n/** Used to detect maps, sets, and weakmaps. */\nvar dataViewCtorString =
toSource(DataView),\n mapCtorString = toSource(Map),\n promiseCtorString = toSource(Promise),\n
setCtorString = toSource(Set),\n weakMapCtorString = toSource(WeakMap);\n\n/**\n * Gets the `toStringTag` of
`value`.\n * @private\n * @param {*} value The value to query.\n * @returns {string} Returns the
`toStringTag`.\n */\nvar getTag = baseGetTag;\n\n// Fallback for data views, maps, sets, and weak maps in IE 11
and promises in Node.js
< 6.\nif ((DataView && getTag(new DataView(new ArrayBuffer(1))) != dataViewTag) ||\n (Map &&
getTag(new Map) != mapTag) ||\n (Promise && getTag(Promise.resolve()) != promiseTag) ||\n (Set &&
getTag(new Set) != setTag) ||\n (WeakMap && getTag(new WeakMap) != weakMapTag)) {\n getTag =
function(value) {\n var result = baseGetTag(value),\n ctor = result == objectTag ? value.constructor :
undefined,\n ctorString = ctor ? toSource(ctor) : '';\n\n if (ctorString) {\n switch (ctorString) {\n
case dataViewCtorString: return dataViewTag;\n case mapCtorString: return mapTag;\n case promiseCtorString:
return promiseTag;\n case setCtorString: return setTag;\n case weakMapCtorString: return weakMapTag;\n
 }\n }\n\n return result;\n };\n}\n\nmodule.exports = getTag;\n", "var Uint8Array =
require('./_Uint8Array');\n\n/**\n * Creates a clone of `arrayBuffer`.\n * @private\n * @param {ArrayBuffer}
arrayBuffer The
array buffer to clone.\n * @returns {ArrayBuffer} Returns the cloned array buffer.\n */\nfunction
cloneArrayBuffer(arrayBuffer) {\n var result = new arrayBuffer.constructor(arrayBuffer.byteLength);\n new
Uint8Array(result).set(new Uint8Array(arrayBuffer));\n return result;\n}\n\nmodule.exports =
cloneArrayBuffer;\n", "use strict";\n\nObject.defineProperty(exports, '__esModule', {\n value:
true\n});\n\nexports.classMethodOrDeclareMethodCommon = exports.classMethodOrPropertyCommon =
exports.patternLikeCommon = exports.functionDeclarationCommon = exports.functionTypeAnnotationCommon =
exports.functionCommon = void 0;\n\nvar _is = _interopRequireDefault(require(\"../validators/is\"));\n\nvar
_isValidIdentifier = _interopRequireDefault(require(\"../validators/isValidIdentifier\"));\n\nvar
_helperValidatorIdentifier = require(\"@babel/helper-validator-identifier\");\n\nvar _constants =
require(\"../constants\");\n\nvar _utils = _interopRequireWildcard(require(\"../utils\"));\n\nfunction
_getRequireWildcardCache() {\n if (typeof WeakMap !== \"function\") return null;\n var cache = new WeakMap();\n
_getRequireWildcardCache = function () {\n return cache;\n };\n return cache;\n}\n\nfunction
_interopRequireWildcard(obj) {\n if (obj && obj.__esModule) {\n return obj;\n } if (obj === null ||
typeof obj !== \"object\" && typeof obj !== \"function\") {\n return { default: obj }; \n } var cache =
_getRequireWildcardCache();\n if (cache && cache.has(obj)) {\n return cache.get(obj);\n } var newObj = {};\n var hasPropertyDescriptor =

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Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }

function _interopRequireDefault(obj) { return obj &&
obj.__esModule
? obj : { default: obj }; }

(0, _utils.default)("ArrayExpression", {
 fields: {
 elements: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeOrValueType)("null", "Expression", "SpreadElement"))),
 default: !process.env.BABEL_TYPES_8_BREAKING ? [] : undefined
 },
 visitor: ["elements"],
 aliases: ["Expression"]
 },
 builder: (0, _utils.default)("AssignmentExpression", {
 fields: {
 operator: {
 validate: function () {
 if (!process.env.BABEL_TYPES_8_BREAKING) {
 return (0, _utils.assertValueType)("string");
 }
 const identifier = (0, _utils.assertOneOf)(..._constants.ASSIGNMENT_OPERATORS);
 const pattern = (0, _utils.assertOneOf)("=", "");
 return function (node, key, val) {
 const validator = (0, _is.default)("Pattern", node.left) ? pattern : identifier;
 validator(node, key, val);
 };
 },
 left: {
 validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("LVal") : (0, _utils.assertNodeType)("Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern")
 },
 right: {
 validate: (0, _utils.assertNodeType)("Expression")
 },
 visitor: ["operator", "left", "right"],
 aliases: ["left", "right"],
 aliases: ["Expression"]
 },
 builder: (0, _utils.default)("BinaryExpression", {
 fields: {
 operator: {
 validate: (0, _utils.assertOneOf)(..._constants.BINARY_OPERATORS)
 },
 left: {
 validate: function () {
 const expression = (0, _utils.assertNodeType)("Expression");
 const inOp = (0, _utils.assertNodeType)("Expression", "PrivateName");
 const validator = function (node, key, val) {
 const validator = node.operator === "in" ? inOp : expression;
 validator(node, key, val);
 };
 validator.oneOfNodeTypes = ["Expression", "PrivateName"];
 return validator;
 },
 right: {
 validate: (0, _utils.assertNodeType)("Expression")
 },
 visitor: ["left", "right"],
 aliases: ["Binary", "Expression"]
 },
 builder: (0, _utils.default)("InterpreterDirective", {
 fields: {
 value: {
 validate: (0, _utils.assertValueType)("string")
 }
 },
 builder: (0, _utils.default)("Directive", {
 fields: {
 value: {
 validate: (0, _utils.assertNodeType)("DirectiveLiteral")
 }
 },
 builder: (0, _utils.default)("DirectiveLiteral", {
 fields: {
 value: {
 validate: (0, _utils.assertValueType)("string")
 }
 },
 builder: (0, _utils.default)("BlockStatement", {
 fields: {
 body: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeOrValueType)("Directive"))),
 default: [],
 body: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Statement"))),
 aliases: ["Scopable", "BlockParent", "Block", "Statement"]
 },
 builder: (0, _utils.default)("BreakStatement", {
 fields: {
 label: {
 validate: (0, _utils.assertNodeType)("Identifier"),
 optional: true
 }
 },
 aliases: ["Statement", "Terminatorless", "CompletionStatement"]
 },
 builder: (0, _utils.default)("CallExpression", {
 fields: {
 callee: {
 validate: (0, _utils.assertNodeType)("Expression", "V8IntrinsicIdentifier")
 },
 arguments: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeOrValueType)("Expression", "SpreadElement", "JSXNamespacedName", "ArgumentPlaceholder"))),
 },
 !process.env.BABEL_TYPES_8_BREAKING ? {
 optional: {
 validate: (0, _utils.assertOneOf)(true, false),
 optional: true
 } : {},
 typeArguments: {
 validate: (0, _utils.assertNodeType)("TypeParameterInstantiation"),
 optional: true
 },
 typeParameters: {}
 }
 }
 }
 }
 }
 }
 }
 }
 }
 }
 }
 }
 }
}

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validate: (0, _utils.assertNodeType)("TSTypeParameterInstantiation"),\n optional: true\n }\n }\n});\n\n(0,\n _utils.default)("CatchClause", {\n visitor: ["param", "body"],\n fields: {\n param: {\n validate: (0,\n _utils.assertNodeType)("Identifier", "ArrayPattern", "ObjectPattern"),\n optional: true\n },\n body: {\n validate: (0, _utils.assertNodeType)("BlockStatement")\n }\n },\n aliases: ["Scopable",\n "BlockParent"]\n});\n\n(0, _utils.default)("ConditionalExpression", {\n visitor: ["test", "consequent",\n "alternate"],\n fields: {\n test: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n consequent: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n alternate: {\n validate: (0,\n _utils.assertNodeType)("Expression")\n }\n },\n aliases: ["Expression", "Conditional"]\n});\n\n(0,\n _utils.default)("ContinueStatement", {\n visitor: ["label"],\n fields: {\n label: {\n validate: (0,\n _utils.assertNodeType)("Identifier"),\n optional: true\n }\n },\n aliases: ["Statement", "Terminatorless",\n "CompletionStatement"]\n});\n\n(0, _utils.default)("DebuggerStatement", {\n aliases: ["Statement"]\n});\n\n(0,\n _utils.default)("DoWhileStatement", {\n visitor: ["test", "body"],\n fields: {\n test: {\n validate: (0,\n _utils.assertNodeType)("Expression")\n },\n body: {\n validate: (0, _utils.assertNodeType)("Statement")\n }\n },\n aliases: ["Statement", "BlockParent",\n "Loop", "While", "Scopable"]\n});\n\n(0, _utils.default)("EmptyStatement", {\n aliases: ["Statement"]\n});\n\n(0, _utils.default)("ExpressionStatement", {\n visitor: ["expression"],\n fields: {\n expression: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n },\n aliases: ["Statement",\n "ExpressionWrapper"]\n});\n\n(0, _utils.default)("File", {\n builder: ["program", "comments", "tokens"],\n visitor: ["program"],\n fields: {\n program: {\n validate: (0, _utils.assertNodeType)("Program")\n },\n comments: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? Object.assign(() => {}, {\n each: {\n oneOfNodeTypes: ["CommentBlock", "CommentLine"]\n }\n }) : (0, _utils.assertEach)((0,\n _utils.assertNodeType)("CommentBlock", "CommentLine")),\n optional: true\n },\n tokens: {\n validate: (0, _utils.assertEach)(Object.assign(() => {}, {\n type: "any"\n })),\n optional: true\n }\n }\n});\n\n(0, _utils.default)("ForInStatement", {\n visitor: ["left", "right", "body"],\n aliases: ["Scopable", "Statement", "For", "BlockParent", "Loop", "ForXStatement"],\n fields: {\n left: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("VariableDeclaration",\n "LVal") : (0, _utils.assertNodeType)("VariableDeclaration", "Identifier", "MemberExpression",\n "ArrayPattern", "ObjectPattern")\n },\n right: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n body: {\n validate: (0, _utils.assertNodeType)("Statement")\n }\n }\n});\n\n(0,\n _utils.default)("ForStatement", {\n visitor: ["init", "test", "update", "body"],\n aliases: ["Scopable",\n "Statement", "For", "BlockParent", "Loop"],\n fields: {\n init: {\n validate: (0, _utils.assertNodeType)("VariableDeclaration", "Expression"),\n optional: true\n },\n test: {\n validate: (0, _utils.assertNodeType)("Expression"),\n optional: true\n },\n update: {\n validate: (0,\n _utils.assertNodeType)("Expression"),\n optional: true\n },\n body: {\n validate: (0,\n _utils.assertNodeType)("Statement")\n }\n }\n});\n\nconst functionCommon = {\n params: {\n validate: (0,\n _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Identifier",\n "Pattern", "RestElement", "TSPARAMETER_PROPERTY")))\n },\n generator: {\n default: false\n },\n async: {\n default: false\n }\n};\n\nexports.functionCommon = functionCommon;\n\nconst functionTypeAnnotationCommon = {\n returnType: {\n validate: (0, _utils.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"),\n optional: true\n },\n typeParameters: {\n validate: (0, _utils.assertNodeType)("TypeParameterDeclaration",\n "TSTypeParameterDeclaration", "Noop"),\n optional: true\n }\n};\n\nexports.functionTypeAnnotationCommon = functionTypeAnnotationCommon;\n\nconst functionDeclarationCommon = Object.assign({}, functionCommon, {\n declare: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n id: {\n validate: (0,\n _utils.assertNodeType)("Identifier"),\n optional: true\n }\n});\n\nexports.functionDeclarationCommon = functionDeclarationCommon;\n\n(0, _utils.default)("FunctionDeclaration", {\n builder: ["id", "params", "body",\n "generator", "async"],\n visitor: ["id", "params", "body", "returnType", "typeParameters"],\n fields: Object.assign({}, functionDeclarationCommon, functionTypeAnnotationCommon, {\n body: {\n validate: (0,\n _utils.assertNodeType)("BlockStatement")\n }\n },\n aliases: ["Scopable", "Function", "BlockParent",

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"FunctionParent", "Statement", "Pureish", "Declaration"],\n
 validate: function () {\n if (!process.env.BABEL_TYPES_8_BREAKING) return () => {};\n const identifier =
(0, _utils.assertNodeType)("Identifier");\n return function (parent, key, node) {\n if (!(0,
_is.default)("ExportDefaultDeclaration", parent)) {\n identifier(node, "id", node.id);\n }\n };\n };\n(0, _utils.default)("FunctionExpression", {\n inherits: "FunctionDeclaration",\n aliases: ["Scopable",
"Function", "BlockParent", "FunctionParent", "Expression", "Pureish"],\n fields: Object.assign({},
functionCommon, functionTypeAnnotationCommon, {\n id: {\n validate: (0,
_utils.assertNodeType)("Identifier"),\n optional: true\n },\n body: {\n validate: (0,
_utils.assertNodeType)("BlockStatement"),\n optional: true\n }\n };\n });\nconst patternLikeCommon = {\n typeAnnotation: {\n
validate: (0, _utils.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"),\n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator")))\n }\n};\nexports.patternLikeCommon = patternLikeCommon;\n(0,
_utils.default)("Identifier", {\n builder: ["name"],\n visitor: ["typeAnnotation", "decorators"],\n aliases:
["Expression", "PatternLike", "LVal", "TSEntityName"],\n fields: Object.assign({}, patternLikeCommon, {\n
name: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("string"), Object.assign(function (node, key,
val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n if (!(0,
_isValidIdentifier.default)(val, false)) {\n throw new TypeError(`"${val}" is not a valid identifier name`);\n
 }\n }, {\n type: "string"\n })),\n optional: {\n validate: (0,
_utils.assertValueType)("boolean"),\n optional: true\n }\n };\n validate(parent, key, node) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n const match = /\.(\\w+)$/.exec(key);\n if (!match)
return;\n const [, parentKey] = match;\n const nonComp = {\n computed: false\n };\n if (parentKey ===
"property") {\n if ((0, _is.default)("MemberExpression", parent, nonComp)) return;\n if ((0,
_is.default)("OptionalMemberExpression", parent, nonComp)) return;\n } else if (parentKey === "key") {\n
if ((0, _is.default)("Property", parent, nonComp)) return;\n if ((0, _is.default)("Method", parent, nonComp))
return;\n } else if (parentKey === "exported") {\n if ((0, _is.default)("ExportSpecifier", parent)) return;\n
 } else if (parentKey === "imported") {\n if ((0, _is.default)("ImportSpecifier", parent, {\n imported: node\n
 })) return;\n } else if (parentKey === "meta") {\n if ((0, _is.default)("MetaProperty", parent, {\n meta:
node\n })) return;\n }\n }\n if (((0,
_helperValidatorIdentifier.isKeyword)(node.name) || (0, _helperValidatorIdentifier.isReservedWord)(node.name))
&& node.name !== "this") {\n throw new TypeError(`"${node.name}" is not a valid identifier`);\n }\n
});\n(0, _utils.default)("IfStatement", {\n visitor: ["test", "consequent", "alternate"],\n aliases:
["Statement", "Conditional"],\n fields: {\n test: {\n validate: (0, _utils.assertNodeType)("Expression")\n
 },\n consequent: {\n validate: (0, _utils.assertNodeType)("Statement")\n },\n alternate: {\n optional:
true,\n validate: (0, _utils.assertNodeType)("Statement")\n }\n };\n });\n(0, _utils.default)("LabeledStatement", {\n visitor: ["label", "body"],\n aliases: ["Statement"],\n fields: {\n
label: {\n validate: (0, _utils.assertNodeType)("Identifier")\n },\n body: {\n validate: (0,
_utils.assertNodeType)("Statement")\n }\n };\n });\n(0, _utils.default)("StringLiteral", {\n builder: ["value"],\n fields: {\n value: {\n validate: (0, _utils.assertValueType)("string")\n }\n },\n aliases: ["Expression", "Pureish", "Literal", "Immutable"]\n});\n(0, _utils.default)("NumericLiteral", {\n
builder: ["value"],\n deprecatedAlias: "NumberLiteral",\n fields: {\n value: {\n validate: (0,
_utils.assertValueType)("number")\n }\n },\n aliases: ["Expression", "Pureish", "Literal",
"Immutable"]\n});\n(0, _utils.default)("NullLiteral", {\n aliases: ["Expression", "Pureish", "Literal",
"Immutable"]\n});\n(0, _utils.default)("BooleanLiteral", {\n builder: ["value"],\n fields: {\n value: {\n
validate: (0, _utils.assertValueType)("boolean")\n }\n },\n aliases: ["Expression", "Pureish", "Literal",
"Immutable"]\n});\n(0, _utils.default)("RegExpLiteral", {\n builder: ["pattern", "flags"],\n deprecatedAlias:
"RegexLiteral",\n aliases: ["Expression", "Pureish", "Literal"],\n fields: {\n pattern: {\n validate: (0, _utils.assertValueType)("string")\n },\n flags: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)("string"), Object.assign(function (node, key, val) {\n if

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(!process.env.BABEL_TYPES_8_BREAKING) return;\n const invalid = /^[gimsuy]/.exec(val);\n if (invalid) {\n throw new TypeError(`"${invalid[0]}" is not a valid RegExp flag`);\n }, {\n type: \"string\"\n })),\n default: \"\"\n }\n});\n(0, _utils.default)(\"LogicalExpression\", {\n builder: [\"operator\", \"left\", \"right\"],\n visitor: [\"left\", \"right\"],\n aliases: [\"Binary\", \"Expression\"],\n fields: {\n operator: {\n validate: (0, _utils.assertOneOf)(..._constants.LOGICAL_OPERATORS)\n },\n left: {\n validate: (0, _utils.assertNodeType)(\"Expression\")\n },\n right: {\n validate: (0, _utils.assertNodeType)(\"Expression\")\n }\n }\n});\n(0, _utils.default)(\"MemberExpression\", {\n builder: [\"object\", \"property\", \"computed\", \"optional\"],\n visitor: [\"object\", \"property\"],\n aliases: [\"Expression\", \"LVal\"],\n fields: Object.assign({\n object: {\n validate: (0, _utils.assertNodeType)(\"Expression\")\n },\n property: {\n validate: function () {\n const normal = (0, _utils.assertNodeType)(\"Identifier\", \"PrivateName\");\n const computed = (0, _utils.assertNodeType)(\"Expression\");\n const validator = function (node, key, val) {\n const validator = node.computed ? computed : normal;\n validator(node, key, val);\n };\n validator.oneOfNodeTypes = [\"Expression\", \"Identifier\", \"PrivateName\"];\n return validator;\n }()\n },\n computed: {\n default: false\n },\n !process.env.BABEL_TYPES_8_BREAKING ? {\n optional: {\n validate: (0, _utils.assertOneOf)(true, false),\n optional: true\n }\n } : {}\n }));\n(0, _utils.default)(\"NewExpression\", {\n inherits: \"CallExpression\"\n});\n(0, _utils.default)(\"Program\", {\n visitor: [\"directives\", \"body\"],\n builder: [\"body\", \"directives\", \"sourceType\", \"interpreter\"],\n fields: {\n sourceFile: {\n validate: (0, _utils.assertValueType)(\"string\")\n },\n sourceType: {\n validate: (0, _utils.assertOneOf)(\"script\", \"module\"),\n default: \"script\"\n },\n interpreter: {\n validate: (0, _utils.assertNodeType)(\"InterpreterDirective\"),\n default: null,\n optional: true\n },\n directives: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\"Directive\"))),\n default: []\n },\n body: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\"Statement\")))\n },\n aliases: [\"Scopable\", \"BlockParent\", \"Block\"]\n });\n(0, _utils.default)(\"ObjectExpression\", {\n visitor: [\"properties\"],\n aliases: [\"Expression\"],\n fields: {\n properties: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\"ObjectMethod\", \"ObjectProperty\", \"SpreadElement\")))\n }\n });\n(0, _utils.default)(\"ObjectMethod\", {\n builder: [\"kind\", \"key\", \"params\", \"body\", \"computed\", \"generator\", \"async\"],\n fields: Object.assign({}, functionCommon, functionTypeAnnotationCommon, {\n kind: Object.assign({\n validate: (0, _utils.assertOneOf)(\"method\", \"get\", \"set\")\n },\n !process.env.BABEL_TYPES_8_BREAKING ? {\n default: \"method\"\n } : {}),\n computed: {\n default: false\n },\n key: {\n validate: function () {\n const normal = (0, _utils.assertNodeType)(\"Identifier\", \"StringLiteral\", \"NumericLiteral\");\n const computed = (0, _utils.assertNodeType)(\"Expression\");\n const validator = function (node, key, val) {\n const validator = node.computed ? computed : normal;\n validator(node, key, val);\n };\n validator.oneOfNodeTypes = [\"Expression\", \"Identifier\", \"StringLiteral\", \"NumericLiteral\"];\n return validator;\n }()\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\"Decorator\"))),\n optional: true\n },\n body: {\n validate: (0, _utils.assertNodeType)(\"BlockStatement\")\n }\n },\n visitor: [\"key\", \"params\", \"body\", \"decorators\", \"returnType\", \"typeParameters\"],\n aliases: [\"UserWhitespacable\", \"Function\", \"Scopable\", \"BlockParent\", \"FunctionParent\", \"Method\", \"ObjectMember\"]\n});\n(0, _utils.default)(\"ObjectProperty\", {\n builder: [\"key\", \"value\", \"computed\", \"shorthand\", ...(process.env.BABEL_TYPES_8_BREAKING ? [\"decorators\"] : [])],\n fields: {\n computed: {\n default: false\n },\n key: {\n validate: function () {\n const normal = (0, _utils.assertNodeType)(\"Identifier\", \"StringLiteral\", \"NumericLiteral\");\n const computed = (0, _utils.assertNodeType)(\"Expression\");\n const validator = function (node, key, val) {\n const validator = node.computed ? computed : normal;\n validator(node, key, val);\n };\n validator.oneOfNodeTypes = [\"Expression\", \"Identifier\", \"StringLiteral\", \"NumericLiteral\"];\n return\n
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validator;\n }\n },\n value: {\n validate: (0, _utils.assertNodeType)("Expression", "PatternLike")\n },\n shorthand: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("boolean"), Object.assign(function (node, key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n if (val && node.computed) {\n throw new TypeError("Property shorthand of ObjectProperty cannot be true if computed is true");\n }\n }, {\n type: "boolean"\n })), function (node, key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n if (val && !(0, _is.default)("Identifier", node.key)) {\n throw new TypeError("Property shorthand of ObjectProperty cannot be true if key is not an Identifier");\n }\n },\n default: false\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n optional: true\n },\n visitor: ["key", "value", "decorators"],\n aliases: ["UserWhitespacable", "Property", "ObjectMember"],\n validate: function () {\n const pattern = (0, _utils.assertNodeType)("Identifier", "Pattern");\n const expression = (0, _utils.assertNodeType)("Expression");\n return function (parent, key, node) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n const validator = (0, _is.default)("ObjectPattern", parent) ? pattern : expression;\n validator(node, "value", node.value);\n };\n }()\n);\n(0, _utils.default)("RestElement", {\n visitor: ["argument", "typeAnnotation"],\n builder: ["argument"],\n aliases: ["LVal", "PatternLike"],\n deprecatedAlias: "RestProperty",\n fields: Object.assign({}, patternLikeCommon, {\n argument: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("LVal") : (0, _utils.assertNodeType)("Identifier", "Pattern", "MemberExpression")\n }\n })),\n validate(parent, key) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n const match = /(\\w+)\\[(\\d+)\\]/.exec(key);\n if (!match) throw new Error("Internal Babel error: malformed key.");\n const [, listKey, index] = match;\n if (parent[listKey].length > index + 1) {\n throw new TypeError("RestElement must be last element of ${listKey}");\n }\n }()\n);\n(0, _utils.default)("ReturnStatement", {\n visitor: ["argument"],\n aliases: ["Statement", "Terminatorless", "CompletionStatement"],\n fields: {\n argument: {\n validate: (0, _utils.assertNodeType)("Expression"),\n optional: true\n }\n };\n }(),\n _utils.default)("SequenceExpression", {\n visitor: ["expressions"],\n fields: {\n expressions: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression")))\n }\n },\n aliases: ["Expression"]\n }(),\n _utils.default)("ParenthesizedExpression", {\n visitor: ["expression"],\n aliases: ["Expression", "ExpressionWrapper"],\n fields: {\n expression: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n };\n }(),\n _utils.default)("SwitchCase", {\n visitor: ["test", "consequent"],\n fields: {\n test: {\n validate: (0, _utils.assertNodeType)("Expression"),\n optional: true\n },\n consequent: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Statement")))\n }\n };\n }(),\n _utils.default)("SwitchStatement", {\n visitor: ["discriminant", "cases"],\n aliases: ["Statement", "BlockParent", "Scopable"],\n fields: {\n discriminant: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n cases: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("SwitchCase")))\n }\n };\n }(),\n _utils.default)("ThisExpression", {\n aliases: ["Expression"]\n }(),\n _utils.default)("ThrowStatement", {\n visitor: ["argument"],\n aliases: ["Statement", "Terminatorless", "CompletionStatement"],\n fields: {\n argument: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n };\n }(),\n _utils.default)("TryStatement", {\n visitor: ["block", "handler", "finalizer"],\n aliases: ["Statement"],\n fields: {\n block: {\n validate: (0, _utils.chain)((0, _utils.assertNodeType)("BlockStatement"), Object.assign(function (node) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n if (!node.handler && !node.finalizer) {\n throw new TypeError("TryStatement expects either a handler or finalizer, or both");\n }\n }, {\n oneOfNodeTypes: ["BlockStatement"]\n })),\n handler: {\n optional: true,\n validate: (0, _utils.assertNodeType)("CatchClause")\n },\n finalizer: {\n optional: true,\n validate: (0,

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_utils.assertNodeType)("BlockStatement")\n } \n } \n});\n(0, _utils.default)("UnaryExpression", {\n builder:
["operator", "argument", "prefix"],\n fields: {\n prefix: {\n default: true\n },\n argument: {\n
validate:
(0, _utils.assertNodeType)("Expression")\n },\n operator: {\n validate: (0,
_utils.assertOneOf(..._constants.UNARY_OPERATORS)\n } \n },\n visitor: ["argument"],\n aliases:
["UnaryLike", "Expression"]\n});\n(0, _utils.default)("UpdateExpression", {\n builder: ["operator",
"argument", "prefix"],\n fields: {\n prefix: {\n default: false\n },\n argument: {\n validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("Expression") : (0,
_utils.assertNodeType)("Identifier", "MemberExpression")\n },\n operator: {\n validate: (0,
_utils.assertOneOf(..._constants.UPDATE_OPERATORS)\n } \n },\n visitor: ["argument"],\n aliases:
["Expression"]\n});\n(0, _utils.default)("VariableDeclaration", {\n builder: ["kind", "declarations"],\n visitor:
["declarations"],\n aliases: ["Statement", "Declaration"],\n fields: {\n declare: {\n validate: (0,
_utils.assertValueType)("boolean"),\n
optional: true\n },\n kind: {\n validate: (0, _utils.assertOneOf)("var", "let", "const")\n },\n
declarations: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("VariableDeclarator")))\n } \n },\n\n validate(parent, key, node) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n if (!0, _is.default)("ForXStatement", parent, {\n
left: node\n })) return;\n\n if (node.declarations.length !== 1) {\n throw new TypeError(`Exactly one
VariableDeclarator is required in the VariableDeclaration of a ${parent.type}`);\n } \n } \n});\n(0,
_utils.default)("VariableDeclarator", {\n visitor: ["id", "init"],\n fields: {\n id: {\n validate: function () {\n
if (!process.env.BABEL_TYPES_8_BREAKING) {\n return (0, _utils.assertNodeType)("LVal");\n
}\n\n const normal = (0, _utils.assertNodeType)("Identifier", "ArrayPattern",
"ObjectPattern");\n const without = (0, _utils.assertNodeType)("Identifier");\n return function (node,
key, val) {\n const validator = node.init ? normal : without;\n validator(node, key, val);\n }; \n
}\n },\n definite: {\n optional: true,\n validate: (0, _utils.assertValueType)("boolean")\n },\n init:
{\n optional: true,\n validate: (0, _utils.assertNodeType)("Expression")\n } \n } \n});\n(0,
_utils.default)("WhileStatement", {\n visitor: ["test", "body"],\n aliases: ["Statement", "BlockParent",
"Loop", "While", "Scopable"],\n fields: {\n test: {\n validate: (0, _utils.assertNodeType)("Expression")\n
},\n body: {\n validate: (0, _utils.assertNodeType)("Statement")\n } \n } \n});\n(0,
_utils.default)("WithStatement", {\n visitor: ["object", "body"],\n aliases: ["Statement"],\n fields: {\n
object: {\n validate: (0, _utils.assertNodeType)("Expression")\n
},\n body: {\n validate: (0, _utils.assertNodeType)("Statement")\n } \n } \n});\n(0,
_utils.default)("AssignmentPattern", {\n visitor: ["left", "right", "decorators"],\n builder: ["left", "right"],\n
aliases: ["Pattern", "PatternLike", "LVal"],\n fields: Object.assign({}, patternLikeCommon, {\n left: {\n
validate: (0, _utils.assertNodeType)("Identifier", "ObjectPattern", "ArrayPattern", "MemberExpression")\n
},\n right: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n decorators: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator")))\n },\n optional: true\n } \n } \n});\n(0, _utils.default)("ArrayPattern", {\n
visitor: ["elements", "typeAnnotation"],\n builder: ["elements"],\n aliases: ["Pattern", "PatternLike",
"LVal"],\n fields: Object.assign({}, patternLikeCommon,
{\n elements: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeOrValueType)("null", "PatternLike")))\n } \n },\n decorators: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator")))\n },\n optional:
true\n } \n } \n});\n(0, _utils.default)("ArrowFunctionExpression", {\n builder: ["params", "body",
"async"],\n visitor: ["params", "body", "returnType", "typeParameters"],\n aliases: ["Scopable",
"Function", "BlockParent", "FunctionParent", "Expression", "Pureish"],\n fields: Object.assign({},
functionCommon, functionTypeAnnotationCommon, {\n expression: {\n validate: (0,
_utils.assertValueType)("boolean")\n },\n body: {\n validate: (0,

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_utils.assertNodeType)("BlockStatement", "Expression")\n }\n });\n(0, _utils.default)("ClassBody", {\n
visitor: ["body"],\n
 fields: {\n body: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("ClassMethod", "ClassPrivateMethod", "ClassProperty", "ClassPrivateProperty",
"TSDeclareMethod", "TSIndexSignature")))\n }\n });\n(0, _utils.default)("ClassExpression", {\n builder:
["id", "superClass", "body", "decorators"],\n visitor: ["id", "body", "superClass", "mixins",
"typeParameters", "superTypeParameters", "implements", "decorators"],\n aliases: ["Scopable", "Class",
"Expression"],\n fields: {\n id: {\n validate: (0, _utils.assertNodeType)("Identifier"),\n optional: true\n },\n typeParameters: {\n validate: (0, _utils.assertNodeType)("TypeParameterDeclaration",
"TSTypeParameterDeclaration", "Noop"),\n optional: true\n },\n body: {\n validate: (0,
_utils.assertNodeType)("ClassBody")\n },\n superClass: {\n optional:
true,\n validate: (0, _utils.assertNodeType)("Expression")\n },\n superTypeParameters: {\n validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n optional: true\n },\n implements: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))),\n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator"))),\n optional: true\n },\n mixins: {\n validate: (0,
_utils.assertNodeType)("InterfaceExtends"),\n optional: true\n }\n });\n(0,
_utils.default)("ClassDeclaration", {\n inherits: "ClassExpression",\n aliases: ["Scopable", "Class",
"Statement", "Declaration"],\n fields: {\n id: {\n validate: (0, _utils.assertNodeType)("Identifier")\n },\n typeParameters: {\n validate: (0, _utils.assertNodeType)("TypeParameterDeclaration",
"TSTypeParameterDeclaration", "Noop"),\n optional: true\n },\n body: {\n validate: (0,
_utils.assertNodeType)("ClassBody")\n },\n superClass: {\n optional: true,\n validate: (0,
_utils.assertNodeType)("Expression")\n },\n superTypeParameters: {\n validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n optional: true\n },\n implements: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))),\n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator"))),\n optional: true\n },\n mixins:
{\n validate: (0, _utils.assertNodeType)("InterfaceExtends"),\n optional: true\n },\n declare: {\n
validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n abstract: {\n validate: (0,
_utils.assertValueType)("boolean"),\n optional: true\n }\n },\n validate: function () {\n const identifier = (0,
_utils.assertNodeType)("Identifier");\n return function (parent, key, node) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n\n if (!(_utils.default)("ExportDefaultDeclaration",
parent)) {\n identifier(node, "id", node.id);\n }\n }\n });\n(0,
_utils.default)("ExportAllDeclaration", {\n visitor: ["source"],\n aliases: ["Statement", "Declaration",
"ModuleDeclaration", "ExportDeclaration"],\n fields: {\n source: {\n validate: (0,
_utils.assertNodeType)("StringLiteral")\n },\n assertions: {\n optional: true,\n validate: (0,
_utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertNodeType)("ImportAttribute"))\n }\n });\n(0,
_utils.default)("ExportDefaultDeclaration", {\n visitor: ["declaration"],\n aliases: ["Statement", "Declaration",
"ModuleDeclaration", "ExportDeclaration"],\n fields: {\n declaration: {\n validate: (0,
_utils.assertNodeType)("FunctionDeclaration", "TSDeclareFunction", "ClassDeclaration", "Expression")\n }\n });\n(0, _utils.default)("ExportNamedDeclaration", {\n visitor: ["declaration", "specifiers",
"source"],\n aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"],\n fields: {\n declaration: {\n optional: true,\n validate: (0, _utils.chain)((0, _utils.assertNodeType)("Declaration"),
Object.assign(function (node, key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n if
(val && node.specifiers.length) {\n throw new TypeError("Only declaration

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or specifiers is allowed on ExportNamedDeclaration");\n }\n }, {\n oneOfNodeTypes:
["Declaration"]\n }}, function (node, key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING)
return;\n\n if (val && node.source) {\n throw new TypeError("Cannot export a declaration from a
source");\n }\n }},\n assertions: {\n optional: true,\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertNodeType)("ImportAttribute"))\n },\n specifiers: {\n default: [],\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)(function () {\n
const sourced = (0, _utils.assertNodeType)("ExportSpecifier", "ExportDefaultSpecifier",
"ExportNamespaceSpecifier");\n const sourceless = (0, _utils.assertNodeType)("ExportSpecifier");\n if
(!process.env.BABEL_TYPES_8_BREAKING) return sourced;\n return function (node, key,
val) {\n const validator = node.source ? sourced : sourceless;\n validator(node, key, val);\n };\n
 }())\n },\n source: {\n validate: (0, _utils.assertNodeType)("StringLiteral"),\n optional: true\n },\n
exportKind: (0, _utils.validateOptional)((0, _utils.assertOneOf)("type", "value"))\n }));\n(0,
_utils.default)("ExportSpecifier", {\n visitor: ["local", "exported"],\n aliases: ["ModuleSpecifier"],\n fields:
{\n local: {\n validate: (0, _utils.assertNodeType)("Identifier")\n },\n exported: {\n validate: (0,
_utils.assertNodeType)("Identifier", "StringLiteral")\n }\n });\n(0, _utils.default)("ForOfStatement", {\n
visitor: ["left", "right", "body"],\n builder: ["left", "right", "body", "await"],\n aliases: ["Scopable",
"Statement", "For", "BlockParent", "Loop", "ForXStatement"],\n fields: {\n left: {\n validate: function
() {\n if (!process.env.BABEL_TYPES_8_BREAKING)\n return (0, _utils.assertNodeType)("VariableDeclaration", "LVal");\n }\n }\n const declaration =
(0, _utils.assertNodeType)("VariableDeclaration");\n const lval = (0, _utils.assertNodeType)("Identifier",
"MemberExpression", "ArrayPattern", "ObjectPattern");\n return function (node, key, val) {\n if ((0,
_is.default)("VariableDeclaration", val)) {\n declaration(node, key, val);\n } else {\n lval(node,
key, val);\n }\n }\n },\n right: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n
body: {\n validate: (0, _utils.assertNodeType)("Statement")\n },\n await: {\n default: false\n }\n
});\n(0, _utils.default)("ImportDeclaration", {\n visitor: ["specifiers", "source"],\n aliases: ["Statement",
"Declaration", "ModuleDeclaration"],\n fields: {\n assertions: {\n optional:
true,\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertNodeType)("ImportAttribute"))\n },\n specifiers: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("ImportSpecifier",
"ImportDefaultSpecifier", "ImportNamespaceSpecifier"))\n },\n source: {\n validate: (0,
_utils.assertNodeType)("StringLiteral")\n },\n importKind: {\n validate: (0, _utils.assertOneOf)("type",
"typeof", "value"),\n optional: true\n }\n });\n(0, _utils.default)("ImportDefaultSpecifier", {\n visitor:
["local"],\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n }\n });\n(0, _utils.default)("ImportNamespaceSpecifier", {\n visitor:
["local"],\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n }\n }\n});\n(0, _utils.default)("ImportSpecifier", {\n visitor: ["local",
"imported"],\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0, _utils.assertNodeType)("Identifier")\n },\n
imported: {\n validate: (0, _utils.assertNodeType)("Identifier", "StringLiteral")\n },\n importKind: {\n
validate: (0, _utils.assertOneOf)("type", "typeof"),\n optional: true\n }\n });\n(0,
_utils.default)("MetaProperty", {\n visitor: ["meta", "property"],\n aliases: ["Expression"],\n fields: {\n
meta: {\n validate: (0, _utils.chain)((0, _utils.assertNodeType)("Identifier"), Object.assign(function (node, key,
val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n let property;\n\n switch (val.name)
{\n case "function":\n property = "sent";\n break;\n\n case "new":\n property =
"target";\n break;\n\n case "import":\n property = "meta";\n break;\n }\n\n if (!0, _is.default)("Identifier",
node.property, {\n name: property\n })) {\n throw new TypeError("Unrecognised
MetaProperty");\n }\n }, {\n oneOfNodeTypes: ["Identifier"]\n })\n },\n property: {\n

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validate: (0, _utils.assertNodeType)("Identifier")\n }\n }\n});\nconst classMethodOrPropertyCommon = {\n abstract: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n accessibility: {\n validate: (0, _utils.assertOneOf)("public", "private", "protected"),\n optional: true\n },\n static: {\n default: false\n },\n computed: {\n default: false\n },\n optional: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n key: {\n validate: (0, _utils.chain)(function () {\n const normal = (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral");\n const computed = (0, _utils.assertNodeType)("Expression");\n return function (node, key, val) {\n const validator = node.computed ? computed : normal;\n validator(node, key, val);\n }; \n }, (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral", "Expression"))\n }\n};\nexports.classMethodOrPropertyCommon = classMethodOrPropertyCommon;\nconst classMethodOrDeclareMethodCommon = Object.assign({}, functionCommon, classMethodOrPropertyCommon, {\n kind: {\n validate: (0, _utils.assertOneOf)("get", "set", "method", "constructor"),\n default: "method"\n },\n access: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("string"), (0, _utils.assertOneOf)("public", "private", "protected")), \n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))), \n optional: true\n }\n});\nexports.classMethodOrDeclareMethodCommon = classMethodOrDeclareMethodCommon;\n(0, _utils.default)("ClassMethod", {\n aliases: ["Function", "Scopable", "BlockParent", "FunctionParent", "Method"],\n builder: ["kind", "key", "params", "body", "computed", "static", "generator", "async"],\n visitor: ["key", "params", "body", "decorators", "returnType", "typeParameters"],\n fields: Object.assign({}, classMethodOrDeclareMethodCommon, functionTypeAnnotationCommon, {\n body: {\n validate: (0, _utils.assertNodeType)("BlockStatement")\n }\n })\n});\n(0, _utils.default)("ObjectPattern", {\n visitor: ["properties", "typeAnnotation", "decorators"],\n builder: ["properties"],\n aliases: ["Pattern", "PatternLike", "LVal"],\n fields: Object.assign({}, patternLikeCommon, {\n properties: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("RestElement", "ObjectProperty")))\n }\n })\n});\n(0, _utils.default)("SpreadElement", {\n visitor: ["argument"],\n aliases: ["UnaryLike"],\n deprecatedAlias: "SpreadProperty",\n fields: {\n argument: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n }\n});\n(0, _utils.default)("Super", {\n aliases: ["Expression"]\n});\n(0, _utils.default)("TaggedTemplateExpression", {\n visitor: ["tag", "quasi"],\n aliases: ["Expression"],\n fields: {\n tag: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n quasi: {\n validate: (0, _utils.assertNodeType)("TemplateLiteral")\n },\n typeParameters: {\n validate: (0, _utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n optional: true\n }\n }\n});\n(0, _utils.default)("TemplateElement", {\n builder: ["value", "tail"],\n fields: {\n value: {\n validate: (0, _utils.assertShape)(\n {\n raw: {\n validate: (0, _utils.assertValueType)("string")\n },\n cooked: {\n validate: (0, _utils.assertValueType)("string"),\n optional: true\n }\n }\n),\n tail: {\n default: false\n }\n }\n});\n(0, _utils.default)("TemplateLiteral", {\n visitor: ["quasis", "expressions"],\n aliases: ["Expression", "Literal"],\n fields: {\n quasis: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("TemplateElement")))\n },\n expressions: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression", "TSType")), function (node, key, val) {\n if (node.quasis.length !== val.length + 1) {\n throw new TypeError(`Number of ${node.type} quasies should be exactly one more than the number of expressions.`);\n }\n })\n }\n }\n});\n(0, _utils.default)("YieldExpression", {\n builder: ["argument", "delegate"],\n visitor: ["argument"],\n aliases: ["Expression", "Terminatorless"],\n fields: {\n delegate: {\n validate: (0, _utils.chain)((0,

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_utils.assertValueType)("boolean"), Object.assign(function (node, key, val) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n\n if (val && !node.argument) {\n throw new
TypeError("Property delegate of YieldExpression cannot be true if there is no argument");\n }\n }, {\n
type: "boolean"\n })),\n default: false\n },\n argument: {\n optional: true,\n validate: (0,
_utils.assertNodeType)("Expression")\n }\n});\n(0, _utils.default)("AwaitExpression", {\n builder:
["argument"],\n visitor: ["argument"],\n aliases: ["Expression", "Terminatorless"],\n fields:
{\n argument: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n });\n(0,
_utils.default)("Import", {\n aliases: ["Expression"],\n fields: {\n value: {\n validate: (0, _utils.assertValueType)("string")\n }\n },\n aliases:
["Expression", "Pureish", "Literal", "Immutable"]\n});\n(0, _utils.default)("ExportNamespaceSpecifier", {\n
visitor: ["exported"],\n aliases: ["ModuleSpecifier"],\n fields: {\n exported: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n }\n });\n(0, _utils.default)("OptionalMemberExpression", {\n
builder: ["object", "property", "computed", "optional"],\n visitor: ["object", "property"],\n aliases:
["Expression"],\n fields: {\n object: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n
property: {\n validate: function () {\n const normal = (0, _utils.assertNodeType)("Identifier");\n
 const computed = (0, _utils.assertNodeType)("Expression");\n\n const validator = function (node, key,
val) {\n const validator = node.computed ? computed : normal;\n validator(node, key, val);\n };\n\n
 validator.oneOfNodeTypes = ["Expression", "Identifier"];\n return validator;\n }\n },\n
computed: {\n default: false\n },\n optional: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? (0,
_utils.assertValueType)("boolean") : (0, _utils.chain)((0, _utils.assertValueType)("boolean"), (0,
_utils.assertOptionalChainStart()))\n }\n });\n(0, _utils.default)("OptionalCallExpression", {\n visitor:
["callee", "arguments", "typeParameters", "typeArguments"],\n builder: ["callee", "arguments",
"optional"],\n aliases: ["Expression"],\n fields: {\n callee: {\n validate: (0,
_utils.assertNodeType)("Expression")\n },\n arguments: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Expression", "SpreadElement", "JSXNamespacedName")))\n },\n optional: {\n
validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertValueType)("boolean") : (0,
_utils.chain)((0, _utils.assertValueType)("boolean"), (0, _utils.assertOptionalChainStart()))\n },\n
typeArguments: {\n validate: (0, _utils.assertNodeType)("TypeParameterInstantiation"),\n optional: true\n
 },\n typeParameters: {\n validate: (0, _utils.assertNodeType)("TSTypeParameterInstantiation"),\n optional:
true\n }\n }}, {"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:
true\n});\n\nexports.default = isType;\n\nvar _definitions = require("../definitions");\n\nfunction isType(nodeType,
targetType) {\n if (nodeType === targetType) return true;\n if (_definitions.ALIAS_KEYS[targetType]) return
false;\n\n const aliases = _definitions.FLIPPED_ALIAS_KEYS[targetType];\n\n if (aliases) {\n if (aliases[0] ===
nodeType) return true;\n\n for (const alias of aliases) {\n if (nodeType === alias) return true;\n }\n\n return false;\n }, {"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:
true\n});\n\nexports.default = validate;\n\nexports.validateField = validateField;\n\nexports.validateChild =
validateChild;\n\nvar _definitions = require("../definitions");\n\nfunction validate(node, key, val) {\n if (!node)
return;\n const fields = _definitions.NODE_FIELDS[node.type];\n if (!fields) return;\n const field = fields[key];\n validateField(node, key, val, field);\n validateChild(node, key, val);\n\n function validateField(node, key, val,
field) {\n if (!field || (field === null ? void 0 : field.validate)) return;\n if (field.optional && val == null) return;\n field.validate(node, key, val);\n }\n\n function validateChild(node, key, val) {\n if (val == null)
return;\n const validate = _definitions.NODE_PARENT_VALIDATIONS[val.type];\n if (!validate) return;\n validate(node, key, val);\n }, {"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:
true\n});\n\nexports.default = inherit;\n\nfunction inherit(key, child, parent) {\n if (child && parent) {\n child[key]
= Array.from(new Set([].concat(child[key], parent[key]).filter(Boolean)));\n }\n}, {"use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default =

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shallowEqual;\n\nfunction shallowEqual(actual, expected) {\n const keys = Object.keys(expected);\n\n for (const key of keys) {\n if (actual[key] !== expected[key]) {\n return false;\n }\n }\n\n return true;\n}","use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.classMethodOrDeclareMethodCommon = exports.classMethodOrPropertyCommon = exports.patternLikeCommon = exports.functionDeclarationCommon = exports.functionTypeAnnotationCommon = exports.functionCommon = void 0;\n\nvar _is = require(\"../validators/is\");\nvar _isValidIdentifier = require(\"../validators/isValidIdentifier\");\nvar _helperValidatorIdentifier = require(\"@babel/helper-validator-identifier\");\nvar _constants = require(\"../constants\");\nvar _utils = require(\"../utils\");\n\n(0, _utils.default)(\"ArrayExpression\", {\n fields: {\n elements: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeOrValueType)(\"null\", \"Expression\", \"SpreadElement\"))),\n default: !process.env.BABEL_TYPES_8_BREAKING ? [] : undefined\n }\n },\n visitor: [\"elements\"],\n aliases: [\"Expression\"]\n});\n\n(0, _utils.default)(\"AssignmentExpression\", {\n fields: {\n operator: {\n validate: function () {\n if (!process.env.BABEL_TYPES_8_BREAKING) {\n return (0, _utils.assertValueType)(\"string\");\n }\n\n const identifier = (0, _utils.assertOneOf)(..._constants.ASSIGNMENT_OPERATORS);\n const pattern = (0, _utils.assertOneOf)(\"=\");\n\n return function (node, key, val) {\n const validator = (0, _is.default)(\"Pattern\", node.left) ? pattern : identifier;\n validator(node, key, val);\n }\n },\n left: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)(\"LVal\") : (0, _utils.assertNodeType)(\"Identifier\", \"MemberExpression\", \"ArrayPattern\", \"ObjectPattern\")\n },\n right: {\n validate: (0, _utils.assertNodeType)(\"Expression\")\n },\n builder: [\"operator\", \"left\", \"right\"],\n visitor: [\"left\", \"right\"],\n aliases: [\"Expression\"]\n});\n\n(0, _utils.default)(\"BinaryExpression\", {\n builder: [\"operator\", \"left\", \"right\"],\n fields: {\n operator: {\n validate: (0, _utils.assertOneOf)(..._constants.BINARY_OPERATORS)\n },\n left: {\n validate: function () {\n const expression = (0, _utils.assertNodeType)(\"Expression\");\n const inOp = (0, _utils.assertNodeType)(\"Expression\", \"PrivateName\");\n\n const validator = function (node, key, val) {\n const validator = node.operator === \"in\" ? inOp : expression;\n validator(node, key, val);\n }\n\n validator.oneOfNodeTypes = [\"Expression\", \"PrivateName\"];\n return validator;\n }\n },\n right: {\n validate: (0, _utils.assertNodeType)(\"Expression\")\n },\n visitor: [\"left\", \"right\"],\n aliases: [\"Binary\", \"Expression\"]\n});\n\n(0, _utils.default)(\"InterpreterDirective\", {\n builder: [\"value\"],\n fields: {\n value: {\n validate: (0, _utils.assertValueType)(\"string\")\n }\n }\n});\n\n(0, _utils.default)(\"Directive\", {\n visitor: [\"value\"],\n fields: {\n value: {\n validate: (0, _utils.assertNodeType)(\"DirectiveLiteral\")\n }\n }\n});\n\n(0, _utils.default)(\"DirectiveLiteral\", {\n builder: [\"value\"],\n fields: {\n value: {\n validate: (0, _utils.assertValueType)(\"string\")\n }\n }\n});\n\n(0, _utils.default)(\"BlockStatement\", {\n builder: [\"body\", \"directives\"],\n visitor: [\"directives\", \"body\"],\n fields: {\n directives: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\"Directive\"))),\n default: []\n },\n body: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\"Statement\")))\n },\n aliases: [\"Scopable\", \"BlockParent\", \"Block\", \"Statement\"]\n});\n\n(0, _utils.default)(\"BreakStatement\", {\n visitor: [\"label\"],\n fields: {\n label: {\n validate: (0, _utils.assertNodeType)(\"Identifier\"),\n optional: true\n },\n aliases: [\"Statement\", \"Terminatorless\", \"CompletionStatement\"]\n});\n\n(0, _utils.default)(\"CallExpression\", {\n visitor: [\"callee\", \"arguments\", \"typeParameters\", \"typeArguments\"],\n builder: [\"callee\", \"arguments\"],\n aliases: [\"Expression\"],\n fields: Object.assign({\n callee: {\n validate: (0, _utils.assertNodeType)(\"Expression\", \"V8IntrinsicIdentifier\")\n },\n arguments: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\"Expression\", \"SpreadElement\", \"JSXNamespacedName\", \"ArgumentPlaceholder\")))\n },\n !process.env.BABEL_TYPES_8_BREAKING ? {\n optional: {\n validate: (0, _utils.assertOneOf)(true, false)\n },\n optional: true\n } : {},\n typeArguments: {\n validate: (0,

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_utils.assertNodeType)("TypeParameterInstantiation"),\n optional: true\n },\n typeParameters: {\n
validate: (0, _utils.assertNodeType)("TSTypeParameterInstantiation"),\n optional: true\n }\n});\n(0,
_utils.default)("CatchClause",
 {\n visitor: ["param", "body"],\n fields: {\n param: {\n validate: (0, _utils.assertNodeType)("Identifier",
"ArrayPattern", "ObjectPattern"),\n optional: true\n },\n body: {\n validate: (0,
_utils.assertNodeType)("BlockStatement")\n }\n },\n aliases: ["Scopable", "BlockParent"]\n});\n(0,
_utils.default)("ConditionalExpression", {\n visitor: ["test", "consequent", "alternate"],\n fields: {\n test: {\n
validate: (0, _utils.assertNodeType)("Expression")\n },\n consequent: {\n validate: (0,
_utils.assertNodeType)("Expression")\n },\n alternate: {\n validate: (0,
_utils.assertNodeType)("Expression")\n }\n },\n aliases: ["Expression", "Conditional"]\n});\n(0,
_utils.default)("ContinueStatement", {\n visitor: ["label"],\n fields: {\n label: {\n validate: (0,
_utils.assertNodeType)("Identifier"),\n optional: true\n }\n },\n aliases: ["Statement",
"Terminatorless", "CompletionStatement"]\n});\n(0, _utils.default)("DebuggerStatement", {\n aliases:
["Statement"]\n});\n(0, _utils.default)("DoWhileStatement", {\n visitor: ["test", "body"],\n fields: {\n test:
{\n validate: (0, _utils.assertNodeType)("Expression")\n },\n body: {\n validate: (0,
_utils.assertNodeType)("Statement")\n }\n },\n aliases: ["Statement", "BlockParent", "Loop", "While",
"Scopable"]\n});\n(0, _utils.default)("EmptyStatement", {\n aliases: ["Statement"]\n});\n(0,
_utils.default)("ExpressionStatement", {\n visitor: ["expression"],\n fields: {\n expression: {\n validate: (0,
_utils.assertNodeType)("Expression")\n }\n },\n aliases: ["Statement", "ExpressionWrapper"]\n});\n(0,
_utils.default)("File", {\n builder: ["program", "comments", "tokens"],\n visitor: ["program"],\n fields: {\n
program: {\n validate: (0, _utils.assertNodeType)("Program")\n },\n
comments: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? Object.assign(() => {}, {\n each:
{\n oneOfNodeTypes: ["CommentBlock", "CommentLine"]\n }\n }) : (0, _utils.assertEach)((0,
_utils.assertNodeType)("CommentBlock", "CommentLine")), \n optional: true\n },\n tokens: {\n
validate: (0, _utils.assertEach)(Object.assign(() => {}, {\n type: "any"\n })), \n optional: true\n }\n
});\n(0, _utils.default)("ForInStatement", {\n visitor: ["left", "right", "body"],\n aliases: ["Scopable",
"Statement", "For", "BlockParent", "Loop", "ForXStatement"],\n fields: {\n left: {\n validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("VariableDeclaration", "LVal") : (0,
_utils.assertNodeType)("VariableDeclaration", "Identifier", "MemberExpression", "ArrayPattern",
"ObjectPattern")\n },\n right: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n
body: {\n validate: (0, _utils.assertNodeType)("Statement")\n }\n });\n(0,
_utils.default)("ForStatement", {\n visitor: ["init", "test", "update", "body"],\n aliases: ["Scopable",
"Statement", "For", "BlockParent", "Loop"],\n fields: {\n init: {\n validate: (0,
_utils.assertNodeType)("VariableDeclaration", "Expression"),\n optional: true\n },\n test: {\n validate:
(0, _utils.assertNodeType)("Expression"),\n optional: true\n },\n update: {\n validate: (0,
_utils.assertNodeType)("Expression"),\n optional: true\n },\n body: {\n validate: (0,
_utils.assertNodeType)("Statement")\n }\n });\nconst functionCommon = {\n params: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Identifier",
"Pattern", "RestElement", "TSParameterProperty")))\n },\n generator: {\n default: false\n },\n
async: {\n default: false\n }\n};\nexports.functionCommon = functionCommon;\nconst
functionTypeAnnotationCommon = {\n returnType: {\n validate: (0, _utils.assertNodeType)("TypeAnnotation",
"TSTypeAnnotation", "Noop"),\n optional: true\n },\n typeParameters: {\n validate: (0,
_utils.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"),\n optional:
true\n }\n};\nexports.functionTypeAnnotationCommon = functionTypeAnnotationCommon;\nconst
functionDeclarationCommon = Object.assign({}, functionCommon, {\n declare: {\n validate: (0,
_utils.assertValueType)("boolean"),\n optional: true\n },\n id: {\n validate: (0,
_utils.assertNodeType)("Identifier"),\n optional: true\n }\n});\nexports.functionDeclarationCommon =
functionDeclarationCommon;\n(0, _utils.default)("FunctionDeclaration", {\n builder: ["id", "params", "body"],

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"generator", "async"),\n visitor: ["id", "params", "body", "returnType",
"typeParameters"],\n fields: Object.assign({}, functionDeclarationCommon, functionTypeAnnotationCommon,
{\n body: {\n validate: (0, _utils.assertNodeType)("BlockStatement")\n }\n }},\n aliases: ["Scopable",
"Function", "BlockParent", "FunctionParent", "Statement", "Pureish", "Declaration"],\n validate: function
() {\n if (!process.env.BABEL_TYPES_8_BREAKING) return () => {};\n const identifier = (0,
_utils.assertNodeType)("Identifier");\n return function (parent, key, node) {\n if (!(0,
_is.default)("ExportDefaultDeclaration", parent)) {\n identifier(node, "id", node.id);\n }\n };\n
}()\n});\n(0, _utils.default)("FunctionExpression", {\n inherits: "FunctionDeclaration",\n aliases: ["Scopable",
"Function", "BlockParent", "FunctionParent", "Expression", "Pureish"],\n fields: Object.assign({},
functionCommon, functionTypeAnnotationCommon, {\n id: {\n validate: (0,
_utils.assertNodeType)("Identifier"),\n
optional: true\n },\n body: {\n validate: (0, _utils.assertNodeType)("BlockStatement")\n }\n
}));\nconst patternLikeCommon = {\n typeAnnotation: {\n validate: (0,
_utils.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"),\n optional: true\n },\n decorators:
{\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator")))\n }\n};\nexports.patternLikeCommon = patternLikeCommon;\n(0,
_utils.default)("Identifier", {\n builder: ["name"],\n visitor: ["typeAnnotation", "decorators"],\n aliases:
["Expression", "PatternLike", "LVal", "TSEntityName"],\n fields: Object.assign({}, patternLikeCommon, {\n
name: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("string"), Object.assign(function (node, key,
val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n if (!(0,
_isValidIdentifier.default)(val,
false)) {\n throw new TypeError(`"${val}" is not a valid identifier name`);\n }\n }, {\n type:
"string"\n })))\n },\n optional: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n
}\n }},\n\n validate(parent, key, node) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n const
match = /\s(\w+)\s/.exec(key);\n if (!match) return;\n const [, parentKey] = match;\n const nonComp = {\n
computed: false\n };\n\n if (parentKey === "property") {\n if ((0, _is.default)("MemberExpression",
parent, nonComp)) return;\n if ((0, _is.default)("OptionalMemberExpression", parent, nonComp)) return;\n }
else if (parentKey === "key") {\n if ((0, _is.default)("Property", parent, nonComp)) return;\n if ((0,
_is.default)("Method", parent, nonComp)) return;\n } else if (parentKey === "exported") {\n if ((0,
_is.default)("ExportSpecifier", parent))
return;\n } else if (parentKey === "imported") {\n if ((0, _is.default)("ImportSpecifier", parent, {\n
imported: node\n })) return;\n } else if (parentKey === "meta") {\n if ((0, _is.default)("MetaProperty",
parent, {\n meta: node\n })) return;\n }\n\n if (((0, _helperValidatorIdentifier.isKeyword)(node.name) ||
(0, _helperValidatorIdentifier.isReservedWord)(node.name, false)) && node.name !== "this") {\n throw new
TypeError(`"${node.name}" is not a valid identifier`);\n }\n }\n});\n(0, _utils.default)("IfStatement", {\n
visitor: ["test", "consequent", "alternate"],\n aliases: ["Statement", "Conditional"],\n fields: {\n test: {\n
validate: (0, _utils.assertNodeType)("Expression")\n },\n consequent: {\n validate: (0,
_utils.assertNodeType)("Statement")\n },\n alternate: {\n optional: true,\n validate: (0,
_utils.assertNodeType)("Statement")\n }\n }\n});\n(0,
_utils.default)("LabeledStatement", {\n visitor: ["label", "body"],\n aliases: ["Statement"],\n fields: {\n
label: {\n validate: (0, _utils.assertNodeType)("Identifier")\n },\n body: {\n validate: (0,
_utils.assertNodeType)("Statement")\n }\n }\n});\n(0, _utils.default)("StringLiteral", {\n builder: ["value"],\n
fields: {\n value: {\n validate: (0, _utils.assertValueType)("string")\n }\n },\n aliases: ["Expression",
"Pureish", "Literal", "Immutable"],\n});\n(0, _utils.default)("NumericLiteral", {\n builder: ["value"],\n
deprecatedAlias: "NumberLiteral",\n fields: {\n value: {\n validate: (0, _utils.assertValueType)("number")\n
}\n },\n aliases: ["Expression", "Pureish", "Literal", "Immutable"],\n});\n(0, _utils.default)("NullLiteral",
{\n aliases: ["Expression", "Pureish", "Literal", "Immutable"],\n});\n(0, _utils.default)("BooleanLiteral", {\n
builder: ["value"],\n fields:

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 {
 value: {
 validate: (0, _utils.assertValueType)("boolean")
 },
 aliases: ["Expression", "Pureish", "Literal", "Immutable"],
 (0, _utils.default)("RegExpLiteral", {
 builder: ["pattern", "flags"],
 deprecatedAlias: "RegexLiteral",
 aliases: ["Expression", "Pureish", "Literal"],
 fields: {
 pattern: {
 validate: (0, _utils.assertValueType)("string")
 },
 flags: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("string"), Object.assign(function (node, key, val) {
 if (!process.env.BABEL_TYPES_8_BREAKING) return;
 const invalid = /^[gimsuy]/.exec(val);
 if (invalid) {
 throw new TypeError(`${invalid[0]} is not a valid RegExp flag`);
 }
 }, {
 type: "string"
 })),
 default: ""
 }
 }
 }),
 (0, _utils.default)("LogicalExpression", {
 builder: ["operator", "left", "right"],
 visitor: ["left", "right"],
 aliases: ["Binary", "Expression"],
 fields: {
 operator: {
 validate: (0, _utils.assertOneOf)(..._constants.LOGICAL_OPERATORS)
 },
 left: {
 validate: (0, _utils.assertNodeType)("Expression")
 },
 right: {
 validate: (0, _utils.assertNodeType)("Expression")
 }
 }
 }),
 (0, _utils.default)("MemberExpression", {
 builder: ["object", "property", "computed", "optional"],
 visitor: ["object", "property"],
 aliases: ["Expression", "LVal"],
 fields: Object.assign({
 object: {
 validate: (0, _utils.assertNodeType)("Expression")
 },
 property: {
 validate: function () {
 const normal = (0, _utils.assertNodeType)("Identifier", "PrivateName");
 const computed = (0, _utils.assertNodeType)("Expression");
 const validator = function (node, key, val) {
 const validator = node.computed ? computed : normal;
 validator(node, key, val);
 };
 validator.oneOfNodeTypes = ["Expression", "Identifier", "PrivateName"];
 return validator;
 }
 },
 computed: {
 default: false
 }
 }, !process.env.BABEL_TYPES_8_BREAKING ? {
 optional: {
 validate: (0, _utils.assertOneOf)(true, false),
 optional: true
 }
 } : {})),
 (0, _utils.default)("NewExpression", {
 inherits: "CallExpression",
 (0, _utils.default)("Program", {
 visitor: ["directives", "body"],
 builder: ["body", "directives", "sourceType", "interpreter"],
 fields: {
 sourceFile: {
 validate: (0, _utils.assertValueType)("string")
 },
 sourceType: {
 validate: (0, _utils.assertOneOf)("script", "module"),
 default: "script"
 },
 interpreter: {
 validate: (0, _utils.assertNodeType)("InterpreterDirective"),
 default: null,
 optional: true
 },
 directives: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Directive"))),
 default: []
 },
 body: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Statement"))),
 aliases: ["Scopable", "BlockParent", "Block"],
 (0, _utils.default)("ObjectExpression", {
 visitor: ["properties"],
 aliases: ["Expression"],
 fields: {
 properties: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("ObjectMethod", "ObjectProperty", "SpreadElement"))),
 (0, _utils.default)("ObjectMethod", {
 builder: ["kind", "key", "params", "body", "computed", "generator", "async"],
 fields: Object.assign({}, functionCommon, functionTypeAnnotationCommon, {
 kind: Object.assign({
 validate: (0, _utils.assertOneOf)("method", "get", "set")
 }, !process.env.BABEL_TYPES_8_BREAKING ? {
 default: "method"
 } : {}),
 computed: {
 default: false
 },
 key: {
 validate: function () {
 const normal = (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral");
 const computed = (0, _utils.assertNodeType)("Expression");
 const validator = function (node, key, val) {
 const validator = node.computed ? computed : normal;
 validator(node, key, val);
 };
 validator.oneOfNodeTypes = ["Expression", "Identifier", "StringLiteral", "NumericLiteral"];
 return validator;
 }
 }
 })
 }
 },
 decorators: {
 validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),
 optional: true
 },
 body: {
 validate: (0, _utils.assertNodeType)("BlockStatement")
 }
 }
 })
 }
 }
 })
 }
 }

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 \"body\", \"decorators\", \"returnType\", \"typeParameters\"),\n aliases: [\"UserWhitespacable\", \"Function\",
 \"Scopable\", \"BlockParent\", \"FunctionParent\", \"Method\", \"ObjectMember\"]\n});\n(0,
 _utils.default)(\"ObjectProperty\", {\n builder: [\"key\", \"value\", \"computed\", \"shorthand\",
 ...(!process.env.BABEL_TYPES_8_BREAKING ? [\"decorators\"] : [])],\n fields: {\n computed: {\n default:
 false\n },\n key: {\n validate: function () {\n const normal = (0, _utils.assertNodeType)(\"Identifier\",
 \"StringLiteral\", \"NumericLiteral\");\n const computed = (0, _utils.assertNodeType)(\"Expression\");\n\n
 const validator = function (node, key, val) {\n const validator = node.computed ? computed : normal;\n
 validator(node, key, val);\n }\n\n validator.oneOfNodeTypes = [\"Expression\", \"Identifier\",
 \"StringLiteral\", \"NumericLiteral\"];\n return validator;\n }()\n },\n value:
 {\n validate: (0, _utils.assertNodeType)(\"Expression\", \"PatternLike\")\n },\n shorthand: {\n validate: (0,
 _utils.chain)((0, _utils.assertValueType)(\"boolean\"), Object.assign(function (node, key, val) {\n if
 (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n if (val && node.computed) {\n throw new
 TypeError(\"Property shorthand of ObjectProperty cannot be true if computed is true\");\n }\n }, {\n
 type: \"boolean\"\n })), function (node, key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING)
 return;\n\n if (val && !(0, _is.default)(\"Identifier\", node.key)) {\n throw new TypeError(\"Property
 shorthand of ObjectProperty cannot be true if key is not an Identifier\");\n }\n })),\n default: false\n },\n
 decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0,
 _utils.assertNodeType)(\"Decorator\"))),\n optional: true\n
 }\n },\n visitor: [\"key\", \"value\", \"decorators\"],\n aliases: [\"UserWhitespacable\", \"Property\",
 \"ObjectMember\"],\n validate: function () {\n const pattern = (0, _utils.assertNodeType)(\"Identifier\",
 \"Pattern\");\n const expression = (0, _utils.assertNodeType)(\"Expression\");\n return function (parent, key,
 node) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n const validator = (0,
 _is.default)(\"ObjectPattern\", parent) ? pattern : expression;\n validator(node, \"value\", node.value);\n
 }\n }()\n});\n(0, _utils.default)(\"RestElement\", {\n visitor: [\"argument\", \"typeAnnotation\"],\n builder:
 [\"argument\"],\n aliases: [\"LVal\", \"PatternLike\"],\n deprecatedAlias: \"RestProperty\", \n fields:
 Object.assign({}, patternLikeCommon, {\n argument: {\n validate:
 !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)(\"LVal\") : (0,
 _utils.assertNodeType)(\"Identifier\", \"Pattern\", \"MemberExpression\")\n
 }\n },\n\n validate(parent, key) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n const match
 = /(\\w+)\\[(\\d+)\\]/.exec(key);\n if (!match) throw new Error(\"Internal Babel error: malformed key.\");\n const
 [listKey, index] = match;\n\n if (parent[listKey].length > index + 1) {\n throw new TypeError(\"RestElement
 must be last element of ${listKey}\");\n }\n }\n }()\n});\n(0, _utils.default)(\"ReturnStatement\", {\n visitor:
 [\"argument\"],\n aliases: [\"Statement\", \"Terminatorless\", \"CompletionStatement\"],\n fields: {\n argument:
 {\n validate: (0, _utils.assertNodeType)(\"Expression\"),\n optional: true\n }\n }\n});\n(0,
 _utils.default)(\"SequenceExpression\", {\n visitor: [\"expressions\"],\n fields: {\n expressions: {\n validate:
 (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0,
 _utils.assertNodeType)(\"Expression\")))\n }\n },\n aliases: [\"Expression\"]\n});\n(0,
 _utils.default)(\"ParenthesizedExpression\",
 {\n visitor: [\"expression\"],\n aliases: [\"Expression\", \"ExpressionWrapper\"],\n fields: {\n expression: {\n
 validate: (0, _utils.assertNodeType)(\"Expression\")\n }\n }\n});\n(0, _utils.default)(\"SwitchCase\", {\n visitor:
 [\"test\", \"consequent\"],\n fields: {\n test: {\n validate: (0, _utils.assertNodeType)(\"Expression\"),\n
 optional: true\n },\n consequent: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\"array\"), (0,
 _utils.assertEach)((0, _utils.assertNodeType)(\"Statement\")))\n }\n }\n});\n(0,
 _utils.default)(\"SwitchStatement\", {\n visitor: [\"discriminant\", \"cases\"],\n aliases: [\"Statement\",
 \"BlockParent\", \"Scopable\"],\n fields: {\n discriminant: {\n validate: (0,
 _utils.assertNodeType)(\"Expression\")\n },\n cases: {\n validate: (0, _utils.chain)((0,
 _utils.assertValueType)(\"array\"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\"SwitchCase\")))\n

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 }\n }\n});\n(0, _utils.default)(\'ThisExpression\', {\n aliases: [\'Expression\']\n});\n(0,
_utils.default)(\'ThrowStatement\', {\n visitor: [\'argument\'],\n aliases: [\'Statement\', \'Terminatorless\',
\'CompletionStatement\'],\n fields: {\n argument: {\n validate: (0, _utils.assertNodeType)(\'Expression\')\n
}\n }\n});\n(0, _utils.default)(\'TryStatement\', {\n visitor: [\'block\', \'handler\', \'finalizer\'],\n aliases:
[\'Statement\'],\n fields: {\n block: {\n validate: (0, _utils.chain)((0,
_utils.assertNodeType)(\'BlockStatement\')), Object.assign(function (node) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n\n if (!node.handler && !node.finalizer) {\n
throw new TypeError(\'TryStatement expects either a handler or finalizer, or both\');\n }\n }, {\n
oneOfNodeTypes: [\'BlockStatement\']\n })\n },\n handler: {\n optional: true,\n validate: (0,
_utils.assertNodeType)(\'CatchClause\')\n
},\n finalizer: {\n optional: true,\n validate: (0, _utils.assertNodeType)(\'BlockStatement\')\n
}\n }\n});\n(0, _utils.default)(\'UnaryExpression\', {\n builder: [\'operator\', \'argument\', \'prefix\'],\n fields: {\n
prefix: {\n default: true\n },\n argument: {\n validate: (0, _utils.assertNodeType)(\'Expression\')\n },\n
operator: {\n validate: (0, _utils.assertOneOf)(..._constants.UNARY_OPERATORS)\n }\n },\n visitor:
[\'argument\'],\n aliases: [\'UnaryLike\', \'Expression\']\n});\n(0, _utils.default)(\'UpdateExpression\', {\n
builder: [\'operator\', \'argument\', \'prefix\'],\n fields: {\n prefix: {\n default: false\n },\n argument: {\n
validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)(\'Expression\') : (0,
_utils.assertNodeType)(\'Identifier\', \'MemberExpression\')\n },\n operator: {\n validate: (0,
_utils.assertOneOf)(..._constants.UPDATE_OPERATORS)\n
}\n },\n visitor: [\'argument\'],\n aliases: [\'Expression\']\n});\n(0, _utils.default)(\'VariableDeclaration\', {\n
builder: [\'kind\', \'declarations\'],\n visitor: [\'declarations\'],\n aliases: [\'Statement\', \'Declaration\'],\n fields:
{\n declare: {\n validate: (0, _utils.assertValueType)(\'boolean\'),\n optional: true\n },\n kind: {\n
validate: (0, _utils.assertOneOf)(\'var\', \'let\', \'const\')\n },\n declarations: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)(\'array\'), (0, _utils.assertEach)((0,
_utils.assertNodeType)(\'VariableDeclarator\')))\n }\n },\n\n validate(parent, key, node) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n if (!node.is.default)(\'ForXStatement\', parent, {\n
left: node\n })) return;\n\n if (node.declarations.length !== 1) {\n throw new TypeError(\'Exactly one
VariableDeclarator is required in the VariableDeclaration of a ${parent.type}\');\n }\n }\n\n});\n(0,
_utils.default)(\'VariableDeclarator\', {\n visitor: [\'id\', \'init\'],\n fields: {\n id: {\n validate: function () {\n
if (!process.env.BABEL_TYPES_8_BREAKING) {\n return (0, _utils.assertNodeType)(\'LVal\');\n
}\n\n const normal = (0, _utils.assertNodeType)(\'Identifier\', \'ArrayPattern\', \'ObjectPattern\');\n const
without = (0, _utils.assertNodeType)(\'Identifier\');\n return function (node, key, val) {\n const validator
= node.init ? normal : without;\n validator(node, key, val);\n }\n },\n },\n definite: {\n optional:
true,\n validate: (0, _utils.assertValueType)(\'boolean\')\n },\n init: {\n optional: true,\n validate: (0,
_utils.assertNodeType)(\'Expression\')\n }\n }\n});\n(0, _utils.default)(\'WhileStatement\', {\n visitor: [\'test\',
\'body\'],\n aliases: [\'Statement\', \'BlockParent\', \'Loop\', \'While\', \'Scopable\'],\n fields: {\n test:
{\n validate: (0, _utils.assertNodeType)(\'Expression\')\n },\n body: {\n validate: (0,
_utils.assertNodeType)(\'Statement\')\n }\n }\n});\n(0, _utils.default)(\'WithStatement\', {\n visitor: [\'object\',
\'body\'],\n aliases: [\'Statement\'],\n fields: {\n object: {\n validate: (0,
_utils.assertNodeType)(\'Expression\')\n },\n body: {\n validate: (0, _utils.assertNodeType)(\'Statement\')\n
}\n }\n});\n(0, _utils.default)(\'AssignmentPattern\', {\n visitor: [\'left\', \'right\', \'decorators\'],\n builder:
[\'left\', \'right\'],\n aliases: [\'Pattern\', \'PatternLike\', \'LVal\'],\n fields: Object.assign({},
patternLikeCommon, {\n left: {\n validate: (0, _utils.assertNodeType)(\'Identifier\', \'ObjectPattern\',
\'ArrayPattern\', \'MemberExpression\')\n },\n right: {\n validate: (0,
_utils.assertNodeType)(\'Expression\')\n },\n decorators: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)(\'array\'),
(0, _utils.assertEach)((0, _utils.assertNodeType)(\'Decorator\')))\n },\n optional: true\n }\n }\n});\n(0,
_utils.default)(\'ArrayPattern\', {\n visitor: [\'elements\', \'typeAnnotation\'],\n builder: [\'elements\'],\n aliases:

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["Pattern", "PatternLike", "LVal"],\n fields: Object.assign({}, patternLikeCommon, {\n elements: {\n
validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeOrValueType)("null", "PatternLike")))\n },\n decorators: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n optional:
true\n }\n});\n(0, _utils.default)("ArrowFunctionExpression", {\n builder: ["params", "body",
"async"],\n visitor: ["params", "body", "returnType", "typeParameters"],\n aliases: ["Scopable",
"Function", "BlockParent", "FunctionParent", "Expression", "Pureish"],\n
fields: Object.assign({}, functionCommon, functionTypeAnnotationCommon, {\n expression: {\n validate: (0,
_utils.assertValueType)("boolean")\n },\n body: {\n validate: (0,
_utils.assertNodeType)("BlockStatement", "Expression")\n }\n});\n(0, _utils.default)("ClassBody", {\n
visitor: ["body"],\n fields: {\n body: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertEach)((0, _utils.assertNodeType)("ClassMethod", "ClassPrivateMethod", "ClassProperty",
"ClassPrivateProperty", "TSDeclareMethod", "TSIndexSignature"))\n }\n});\n(0,
_utils.default)("ClassExpression", {\n builder: ["id", "superClass", "body", "decorators"],\n visitor: ["id",
"body", "superClass", "mixins", "typeParameters", "superTypeParameters", "implements", "decorators"],\n
aliases: ["Scopable", "Class", "Expression"],\n fields: {\n id: {\n validate: (0,
_utils.assertNodeType)("Identifier"),\n
optional: true\n },\n typeParameters: {\n validate: (0,
_utils.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"),\n optional:
true\n },\n body: {\n validate: (0, _utils.assertNodeType)("ClassBody")\n },\n superClass: {\n
optional: true,\n validate: (0, _utils.assertNodeType)("Expression")\n },\n superTypeParameters: {\n
validate: (0, _utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n
optional: true\n },\n implements: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertEach)((0, _utils.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))),\n
optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n optional: true\n },\n mixins: {\n validate: (0, _utils.assertNodeType)("InterfaceExtends"),\n optional: true\n }\n});\n(0, _utils.default)("ClassDeclaration", {\n inherits: "ClassExpression",\n aliases: ["Scopable", "Class",
"Statement", "Declaration"],\n fields: {\n id: {\n validate: (0, _utils.assertNodeType)("Identifier")\n },\n
typeParameters: {\n validate: (0, _utils.assertNodeType)("TypeParameterDeclaration",
"TSTypeParameterDeclaration", "Noop"),\n optional: true\n },\n body: {\n validate: (0,
_utils.assertNodeType)("ClassBody")\n },\n superClass: {\n optional: true,\n validate: (0,
_utils.assertNodeType)("Expression")\n },\n superTypeParameters: {\n validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n optional: true\n
 },\n implements: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))),\n optional: true\n },\n
decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator"))),\n optional: true\n },\n mixins: {\n validate: (0,
_utils.assertNodeType)("InterfaceExtends"),\n optional: true\n },\n declare: {\n validate: (0,
_utils.assertValueType)("boolean"),\n optional: true\n },\n abstract: {\n validate: (0,
_utils.assertValueType)("boolean"),\n optional: true\n }\n },\n validate: function () {\n const identifier = (0,
_utils.assertNodeType)("Identifier");\n return function (parent, key, node) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n\n if (!(_is.default)("ExportDefaultDeclaration",
parent)) {\n identifier(node, "id", node.id);\n }\n }\n});\n(0,
_utils.default)("ExportAllDeclaration",
{\n visitor: ["source"],\n aliases: ["Statement", "Declaration", "ModuleDeclaration",
"ExportDeclaration"],\n fields: {\n source: {\n validate: (0, _utils.assertNodeType)("StringLiteral")\n },\n
exportKind: (0, _utils.validateOptional)((0, _utils.assertOneOf)("type", "value")), \n assertions: {\n optional:

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true,\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("ImportAttribute")))\n }\n });\n(0, _utils.default)("ExportDefaultDeclaration", {\n
visitor: ["declaration"],\n aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"],\n
fields: {\n declaration: {\n validate: (0, _utils.assertNodeType)("FunctionDeclaration",
"TSDeclareFunction", "ClassDeclaration", "Expression")\n }\n });\n(0,
_utils.default)("ExportNamedDeclaration", {\n visitor: ["declaration", "specifiers",
"source"],\n aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"],\n fields: {\n
declaration: {\n optional: true,\n validate: (0, _utils.chain)((0, _utils.assertNodeType)("Declaration"),
Object.assign(function (node, key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n if
(val && node.specifiers.length) {\n throw new TypeError("Only declaration or specifiers is allowed on
ExportNamedDeclaration");\n }\n }, {\n oneOfNodeTypes: ["Declaration"],\n }, function (node,
key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n if (val && node.source) {\n
throw new TypeError("Cannot export a declaration from a source");\n }\n })\n },\n assertions: {\n
optional: true,\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("ImportAttribute")))\n },\n specifiers: {\n default: [],\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertEach)(function () {\n const sourced = (0, _utils.assertNodeType)("ExportSpecifier",
"ExportDefaultSpecifier", "ExportNamespaceSpecifier");\n const sourceless = (0,
_utils.assertNodeType)("ExportSpecifier");\n if (!process.env.BABEL_TYPES_8_BREAKING) return
sourced;\n return function (node, key, val) {\n const validator = node.source ? sourced : sourceless;\n
validator(node, key, val);\n }\n })),\n source: {\n validate: (0,
_utils.assertNodeType)("StringLiteral"),\n optional: true\n },\n exportKind: (0, _utils.validateOptional)((0,
_utils.assertOneOf)("type", "value"))\n }\n });\n(0, _utils.default)("ExportSpecifier", {\n visitor: ["local",
"exported"],\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n },\n exported: {\n validate: (0, _utils.assertNodeType)("Identifier", "StringLiteral")\n }\n });\n(0,
_utils.default)("ForOfStatement", {\n visitor: ["left", "right", "body"],\n builder: ["left", "right", "body",
"await"],\n aliases: ["Scopable", "Statement", "For", "BlockParent", "Loop", "ForXStatement"],\n fields:
{\n left: {\n validate: function () {\n if (!process.env.BABEL_TYPES_8_BREAKING) {\n return (0,
_utils.assertNodeType)("VariableDeclaration", "LVal");\n }\n const declaration = (0,
_utils.assertNodeType)("VariableDeclaration");\n const lval = (0, _utils.assertNodeType)("Identifier",
"MemberExpression", "ArrayPattern", "ObjectPattern");\n return function (node, key, val) {\n if ((0,
_is.default)("VariableDeclaration", val)) {\n declaration(node, key, val);\n } else {\n lval(node,
key,
val);\n }\n }\n },\n right: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n
body: {\n validate: (0, _utils.assertNodeType)("Statement")\n },\n await: {\n default: false\n }\n });\n(0, _utils.default)("ImportDeclaration", {\n visitor: ["specifiers", "source"],\n aliases: ["Statement",
"Declaration", "ModuleDeclaration"],\n fields: {\n assertions: {\n optional: true,\n validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("ImportAttribute")))\n },\n specifiers: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("ImportSpecifier",
"ImportDefaultSpecifier", "ImportNamespaceSpecifier")))\n },\n source: {\n validate: (0,
_utils.assertNodeType)("StringLiteral")\n },\n importKind: {\n validate: (0, _utils.assertOneOf)("type",
"typeof", "value"),\n optional: true\n }\n });\n(0, _utils.default)("ImportDefaultSpecifier", {\n visitor:
["local"],\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n }\n });\n(0, _utils.default)("ImportNamespaceSpecifier", {\n visitor:
["local"],\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n }\n });\n(0, _utils.default)("ImportSpecifier", {\n visitor: ["local",

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"imported"),\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n },\n imported: {\n validate: (0, _utils.assertNodeType)("Identifier",
"StringLiteral")\n },\n importKind: {\n validate: (0, _utils.assertOneOf)("type", "typeof"),\n optional:
true\n }\n }\n});\n(0, _utils.default)("MetaProperty", {\n
visitor: ["meta", "property"],\n aliases: ["Expression"],\n fields: {\n meta: {\n validate: (0,
_utils.chain)((0, _utils.assertNodeType)("Identifier"), Object.assign(function (node, key, val) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n let property;\n\n switch (val.name) {\n case
"function":\n property = "sent";\n break;\n\n case "new":\n property = "target";\n
break;\n\n case "import":\n property = "meta";\n break;\n }\n\n if (!0,
_is.default)("Identifier", node.property, {\n name: property\n })) {\n throw new
TypeError("Unrecognised MetaProperty");\n }\n }, {\n oneOfNodeTypes: ["Identifier"]\n })\n
}),\n property: {\n validate: (0, _utils.assertNodeType)("Identifier")\n }\n });\n\nconst
classMethodOrPropertyCommon = {\n abstract: {\n validate:
(0, _utils.assertValueType)("boolean"),\n optional: true\n },\n accessibility: {\n validate: (0,
_utils.assertOneOf)("public", "private", "protected"),\n optional: true\n },\n static: {\n default: false\n },\n
override: {\n default: false\n },\n computed: {\n default: false\n },\n optional: {\n validate: (0,
_utils.assertValueType)("boolean"),\n optional: true\n },\n key: {\n validate: (0, _utils.chain)(function () {\n
const normal = (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral");\n const computed
= (0, _utils.assertNodeType)("Expression");\n return function (node, key, val) {\n const validator =
node.computed ? computed : normal;\n validator(node, key, val);\n }\n }, (0,
_utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral", "Expression"))\n
});\n\nexports.classMethodOrPropertyCommon = classMethodOrPropertyCommon;\n\nconst
classMethodOrDeclareMethodCommon
= Object.assign({}, functionCommon, classMethodOrPropertyCommon, {\n kind: {\n validate: (0,
_utils.assertOneOf)("get", "set", "method", "constructor"),\n default: "method"\n },\n access: {\n
validate: (0, _utils.chain)((0, _utils.assertValueType)("string"), (0, _utils.assertOneOf)("public", "private",
"protected")), \n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))), \n optional:
true\n }\n});\n\nexports.classMethodOrDeclareMethodCommon = classMethodOrDeclareMethodCommon;\n\n(0,
_utils.default)("ClassMethod", {\n aliases: ["Function", "Scopable", "BlockParent", "FunctionParent",
"Method"],\n builder: ["kind", "key", "params", "body", "computed", "static", "generator", "async"],\n
visitor: ["key", "params", "body", "decorators", "returnType", "typeParameters"],\n
fields: Object.assign({}, classMethodOrDeclareMethodCommon, functionTypeAnnotationCommon, {\n body:
{\n validate: (0, _utils.assertNodeType)("BlockStatement")\n }\n }));\n\n(0,
_utils.default)("ObjectPattern", {\n visitor: ["properties", "typeAnnotation", "decorators"],\n builder:
["properties"],\n aliases: ["Pattern", "PatternLike", "LVal"],\n fields: Object.assign({}, patternLikeCommon,
{\n properties: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("RestElement", "ObjectProperty"))\n }\n }));\n\n(0,
_utils.default)("SpreadElement", {\n visitor: ["argument"],\n aliases: ["UnaryLike"],\n deprecatedAlias:
"SpreadProperty",\n fields: {\n argument: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n
});\n\n(0, _utils.default)("Super", {\n aliases: ["Expression"]\n });\n\n(0,
_utils.default)("TaggedTemplateExpression", {\n
visitor: ["tag", "quasi"],\n aliases: ["Expression"],\n fields: {\n tag: {\n validate: (0,
_utils.assertNodeType)("Expression")\n },\n quasi: {\n validate: (0,
_utils.assertNodeType)("TemplateLiteral")\n },\n typeParameters: {\n validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n optional: true\n
}\n }));\n\n(0, _utils.default)("TemplateElement", {\n builder: ["value", "tail"],\n fields: {\n value: {\n
validate: (0, _utils.assertShape){\n raw: {\n validate: (0, _utils.assertValueType)("string")\n },\n

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cooked: {\n validate: (0, _utils.assertValueType)("string"),\n optional: true\n }\n }\n },\n tail: {\n default: false\n }\n});\n(0, _utils.default)("TemplateLiteral", {\n visitor: ["quasis",\n "expressions"],\n aliases: ["Expression", "Literal"],\n fields: {\n quasies: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,\n _utils.assertNodeType)("TemplateElement")))\n },\n expressions: {\n validate: (0, _utils.chain)((0,\n _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression", "TSType"))),\n function (node, key, val) {\n if (node.quasies.length !== val.length + 1) {\n throw new TypeError(`Number\nof ${node.type} quasies should be exactly one more than the number of expressions.\nExpected ${val.length + 1}\nquasies but got ${node.quasies.length}`);\n }\n }\n }\n });\n(0, _utils.default)("YieldExpression", {\n builder: ["argument", "delegate"],\n visitor: ["argument"],\n aliases: ["Expression", "Terminatorless"],\n fields: {\n delegate: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("boolean"),\n Object.assign(function (node, key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING)\n return;\n if (val && !node.argument) {\n throw new TypeError("Property delegate of YieldExpression\n cannot be true if there is no argument");\n }\n }, {\n type: "boolean"\n })),\n default: false\n },\n argument: {\n optional: true,\n validate: (0, _utils.assertNodeType)("Expression")\n }\n });\n(0, _utils.default)("AwaitExpression", {\n builder: ["argument"],\n visitor: ["argument"],\n aliases: ["Expression", "Terminatorless"],\n fields: {\n argument: {\n validate: (0,\n _utils.assertNodeType)("Expression")\n }\n });\n(0, _utils.default)("Import", {\n aliases: ["Expression"]\n});\n(0, _utils.default)("BigIntLiteral", {\n builder: ["value"],\n fields: {\n value: {\n validate: (0, _utils.assertValueType)("string")\n }\n },\n aliases: ["Expression", "Pureish", "Literal", "Immutable"]\n});\n(0, _utils.default)("ExportNamespaceSpecifier", {\n visitor: ["exported"],\n aliases: ["ModuleSpecifier"],\n fields: {\n exported: {\n validate: (0,\n _utils.assertNodeType)("Identifier")\n }\n });\n(0, _utils.default)("OptionalMemberExpression", {\n builder: ["object", "property", "computed", "optional"],\n visitor: ["object", "property"],\n aliases: ["Expression"],\n fields: {\n object: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n property: {\n validate: function () {\n const normal = (0, _utils.assertNodeType)("Identifier");\n const computed = (0, _utils.assertNodeType)("Expression");\n const validator = function (node, key, val) {\n const validator = node.computed ? computed : normal;\n validator(node, key, val);\n };\n validator.oneOfNodeTypes = ["Expression", "Identifier"];\n return validator;\n }()\n },\n computed: {\n default: false\n },\n optional: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertValueType)("boolean") : (0, _utils.chain)((0,\n _utils.assertValueType)("boolean"), (0, _utils.assertOptionalChainStart()))\n }\n });\n(0, _utils.default)("OptionalCallExpression", {\n visitor: ["callee", "arguments", "typeParameters", "typeArguments"],\n builder: ["callee", "arguments", "optional"],\n aliases: ["Expression"],\n fields: {\n callee: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n arguments: {\n validate: (0,\n _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression",\n "SpreadElement", "JSXNamespacedName", "ArgumentPlaceholder")))\n },\n optional: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertValueType)("boolean") : (0, _utils.chain)((0,\n _utils.assertValueType)("boolean"), (0, _utils.assertOptionalChainStart()))\n },\n typeArguments: {\n validate: (0, _utils.assertNodeType)("TypeParameterInstantiation"),\n optional: true\n },\n typeParameters: {\n validate: (0, _utils.assertNodeType)("TSTypeParameterInstantiation"),\n optional: true\n }\n });\n },\n "use strict";\n }\n Object.defineProperty(exports, "__esModule", {\n value: true\n });\n exports.default = isType;\n nvar _definitions = require("../definitions");\n nfunction isType(nodeType, targetType) {\n if (nodeType === targetType) return true;\n if (_definitions.ALIAS_KEYS[targetType]) return false;\n const aliases = _definitions.FLIPPED_ALIAS_KEYS[targetType];\n if (aliases) {\n if (aliases[0] === nodeType) return true;\n for (const alias of aliases) {\n if (nodeType === alias) return true;\n }\n }\n return false;\n },\n "use strict";\n }\n Object.defineProperty(exports, "__esModule", {\n value: true\n });\n exports.default = validate;\n exports.validateField = validateField;\n exports.validateChild = validateChild;\n nvar

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_definitions = require("../definitions");\n\nfunction validate(node, key, val) {\n if (!node) return;\n const fields = _definitions.NODE_FIELDS[node.type];\n if (!fields) return;\n const field = fields[key];\n validateField(node, key, val, field);\n validateChild(node, key, val);\n}\n\nfunction validateField(node, key, val, field) {\n if (!(field != null && field.validate)) return;\n if (field.optional && val == null) return;\n field.validate(node, key, val);\n}\n\nfunction validateChild(node, key, val) {\n if (val == null) return;\n const validate = _definitions.NODE_PARENT_VALIDATIONS[val.type];\n if (!validate) return;\n validate(node, key, val);\n}, {"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = inherit;\n\nfunction inherit(key, child, parent) {\n if (child && parent) {\n child[key] = Array.from(new Set([].concat(child[key], parent[key]).filter(Boolean)));\n }\n}\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.merge = merge;\nexports.validate = validate;\nexports.normalizeReplacements = normalizeReplacements;\n\nfunction _objectWithoutPropertiesLoose(source, excluded) {\n if (source == null) return {};\n var target = {};\n var sourceKeys = Object.keys(source);\n var key, i;\n for (i = 0; i < sourceKeys.length; i++) {\n key = sourceKeys[i];\n if (excluded.indexOf(key) >= 0) continue;\n target[key] = source[key];\n }\n return target;\n}\n\nfunction merge(a, b) {\n const {\n placeholderWhitelist: aPlaceholderWhitelist,\n placeholderPattern: aPlaceholderPattern,\n preserveComments: aPreserveComments,\n syntacticPlaceholders: aSyntacticPlaceholders\n } = a;\n const {\n parser: bParser,\n placeholderWhitelist: bPlaceholderWhitelist,\n placeholderPattern: bPlaceholderPattern,\n preserveComments: bPreserveComments,\n syntacticPlaceholders: bSyntacticPlaceholders\n } = b;\n return {\n parser: Object.assign({}, a.parser, b.parser),\n placeholderWhitelist: aPlaceholderWhitelist || bPlaceholderWhitelist,\n placeholderPattern: aPlaceholderPattern || bPlaceholderPattern,\n preserveComments: aPreserveComments || bPreserveComments,\n syntacticPlaceholders: aSyntacticPlaceholders || bSyntacticPlaceholders\n };\n}\n\nfunction validate(opts) {\n if (opts != null && typeof opts !== "object") {\n throw new Error("Unknown template options.");\n }\n const _ref = opts || {};\n const {\n placeholderWhitelist,\n placeholderPattern,\n preserveComments,\n syntacticPlaceholders\n } = _ref;\n const parser = _objectWithoutPropertiesLoose(_ref, ["placeholderWhitelist", "placeholderPattern", "preserveComments", "syntacticPlaceholders"]); \n if (placeholderWhitelist != null && !(placeholderWhitelist instanceof Set)) {\n throw new Error("'placeholderWhitelist' must be a Set, null, or undefined");\n }\n if (placeholderPattern != null && !(placeholderPattern instanceof RegExp) && placeholderPattern !== false) {\n throw new Error("'placeholderPattern' must be a RegExp, false, null, or undefined");\n }\n if (preserveComments != null && typeof preserveComments !== "boolean") {\n throw new Error("'preserveComments' must be a boolean, null, or undefined");\n }\n if (syntacticPlaceholders != null && typeof syntacticPlaceholders !== "boolean") {\n throw new Error("'syntacticPlaceholders' must be a boolean, null, or undefined");\n }\n if (syntacticPlaceholders === true && (placeholderWhitelist != null || placeholderPattern != null)) {\n throw new Error("'placeholderWhitelist' and 'placeholderPattern' aren't compatible" + " with 'syntacticPlaceholders: true'");\n }\n return {\n parser,\n placeholderWhitelist: placeholderWhitelist || undefined,\n placeholderPattern: placeholderPattern == null ? undefined : placeholderPattern,\n preserveComments: preserveComments == null ? undefined : preserveComments,\n syntacticPlaceholders: syntacticPlaceholders == null ? undefined : syntacticPlaceholders\n };\n}\n\nfunction normalizeReplacements(replacements) {\n if (Array.isArray(replacements)) {\n return replacements.reduce((acc, replacement, i) => {\n acc["$" + i] = replacement;\n return acc;\n }, {});\n } else if (typeof replacements === "object" || replacements == null) {\n return replacements || undefined;\n }\n throw new Error("Template replacements must be an array, object, null, or undefined");\n}, {"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nconst beforeExpr = true;\nconst startsExpr = true;\nconst isLoop = true;\nconst isAssign = true;\nconst prefix = true;\nconst postfix = true;\n\nclass TokenType {\n constructor(label, conf = {}) {\n this.label = label;\n this.keyword = conf.keyword;\n this.beforeExpr = beforeExpr;\n this.startsExpr = startsExpr;\n this.rightAssociative = conf.rightAssociative;\n this.isLoop = isLoop;\n this.isAssign = isAssign;\n this.prefix = prefix;\n this.postfix = postfix;\n this.binop = conf.binop;\n this.updateContext = conf.updateContext;\n this.label = label;\n this.keyword = conf.keyword;\n this.beforeExpr = !!conf.beforeExpr;\n this.startsExpr = !!conf.startsExpr;\n this.rightAssociative = !!conf.rightAssociative;\n this.isLoop = !!conf.isLoop;\n this.isAssign = !!conf.isAssign;\n }\n}

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 this.prefix = !!conf.prefix;\n this.postfix = !!conf.postfix;\n this.binop = conf.binop != null ? conf.binop :
 null;\n this.updateContext = null;\n } \n\n}\nconst keywords = new Map();\n\nfunction createKeyword(name,
options = {}) {\n options.keyword = name;\n const token = new TokenType(name, options);\n keywords.set(name,
token);\n return token;\n}\n\nfunction createBinop(name, binop) {\n return new TokenType(name, {\n
beforeExpr,\n binop\n });\n}\n\nconst types = {\n num: new TokenType(\"num\", {\n startsExpr\n }),\n bigint:
new TokenType(\"bigint\", {\n startsExpr\n }),\n decimal: new TokenType(\"decimal\", {\n startsExpr\n }),\n
regexp: new TokenType(\"regexp\", {\n startsExpr\n }),\n string: new TokenType(\"string\", {\n startsExpr\n
}),\n name: new TokenType(\"name\", {\n startsExpr\n }),\n eof: new TokenType(\"eof\"),\n bracketL: new
TokenType(\"[\", {\n beforeExpr,\n startsExpr\n }),\n bracketHashL: new
TokenType(\"#[\", {\n beforeExpr,\n startsExpr\n }),\n bracketBarL: new TokenType(\"[|\", {\n
beforeExpr,\n startsExpr\n }),\n bracketR: new TokenType(\"]\"),\n bracketBarR: new TokenType(\"|]\"),\n
braceL: new TokenType(\"{\", {\n beforeExpr,\n startsExpr\n }),\n braceBarL: new TokenType(\"{|\", {\n
beforeExpr,\n startsExpr\n }),\n braceHashL: new TokenType(\"#{\", {\n beforeExpr,\n startsExpr\n }),\n
braceR: new TokenType(\"}\")\n braceBarR: new TokenType(\"|}\"),\n parenL: new TokenType(\"(\", {\n
beforeExpr,\n startsExpr\n }),\n parenR: new TokenType(\")\"),\n comma: new TokenType(\"\", {\n
beforeExpr\n }),\n semi: new TokenType(\";\", {\n beforeExpr\n }),\n colon: new TokenType(\":\", {\n
beforeExpr\n }),\n doubleColon: new TokenType(\"::\", {\n beforeExpr\n }),\n dot: new TokenType(\".\"),\n
question: new TokenType(\"?\", {\n beforeExpr\n }),\n questionDot: new TokenType(\"?.\"),\n arrow: new
TokenType(\"=>\", {\n beforeExpr\n }),\n template: new TokenType(\"template\"),\n ellipsis: new TokenType(\"...\", {\n
beforeExpr\n }),\n backQuote: new TokenType(\"`\", {\n startsExpr\n }),\n dollarBraceL: new
TokenType(\"${\", {\n beforeExpr,\n startsExpr\n }),\n at: new TokenType(\"@\"),\n hash: new
TokenType(\"#\", {\n startsExpr\n }),\n interpreterDirective: new TokenType(\"#!...\"),\n eq: new
TokenType(\"=\", {\n beforeExpr,\n isAssign\n }),\n assign: new TokenType(\"_=\"), {\n beforeExpr,\n
isAssign\n }),\n incDec: new TokenType(\"++/--\", {\n prefix,\n postfix,\n startsExpr\n }),\n bang: new
TokenType(\"!\", {\n beforeExpr,\n prefix,\n startsExpr\n }),\n tilde: new TokenType(\"~\", {\n
beforeExpr,\n prefix,\n startsExpr\n }),\n pipeline: createBinop(\"|>\", 0),\n nullishCoalescing:
createBinop(\"??\", 1),\n logicalOR: createBinop(\"||\", 1),\n logicalAND: createBinop(\"&&\", 2),\n bitwiseOR:
createBinop(\"|\", 3),\n bitwiseXOR: createBinop(\"^\", 4),\n bitwiseAND: createBinop(\"&\", 5),\n equality:
createBinop(\"==/!=/===/!==\", 6),\n relational: createBinop(\"</>/<=>\", 7),\n bitShift:
createBinop(\"<</>>/>>>\", 8),\n plusMin: new TokenType(\"+/-\", {\n beforeExpr,\n binop: 9,\n prefix,\n
startsExpr\n }),\n modulo: new TokenType(\"%\", {\n beforeExpr,\n binop: 10,\n startsExpr\n }),\n star: new
TokenType(\"*\", {\n binop: 10\n }),\n slash: createBinop(\"/\", 10),\n exponent: new TokenType(\"**\", {\n
beforeExpr,\n binop: 11,\n rightAssociative: true\n }),\n _break: createKeyword(\"break\"),\n _case:
createKeyword(\"case\", {\n beforeExpr\n }),\n _catch: createKeyword(\"catch\"),\n _continue:
createKeyword(\"continue\"),\n _debugger: createKeyword(\"debugger\"),\n _default: createKeyword(\"default\",
{\n beforeExpr\n }),\n _do: createKeyword(\"do\", {\n isLoop,\n beforeExpr\n }),\n _else:
createKeyword(\"else\", {\n beforeExpr\n }),\n _finally: createKeyword(\"finally\"),\n _for: createKeyword(\"for\", {\n isLoop\n }),\n
_function: createKeyword(\"function\", {\n startsExpr\n }),\n _if: createKeyword(\"if\"),\n _return:
createKeyword(\"return\", {\n beforeExpr\n }),\n _switch: createKeyword(\"switch\"),\n _throw:
createKeyword(\"throw\", {\n beforeExpr,\n prefix,\n startsExpr\n }),\n _try: createKeyword(\"try\"),\n _var:
createKeyword(\"var\"),\n _const: createKeyword(\"const\"),\n _while: createKeyword(\"while\", {\n isLoop\n
}),\n _with: createKeyword(\"with\"),\n _new: createKeyword(\"new\", {\n beforeExpr,\n startsExpr\n }),\n
_this: createKeyword(\"this\", {\n startsExpr\n }),\n _super: createKeyword(\"super\", {\n startsExpr\n }),\n
_class: createKeyword(\"class\", {\n startsExpr\n }),\n _extends: createKeyword(\"extends\", {\n beforeExpr\n
}),\n _export: createKeyword(\"export\"),\n _import: createKeyword(\"import\",

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 {\n startsExpr\n }},\n _null: createKeyword("\null", {\n startsExpr\n }},\n _true: createKeyword("\true", {\n
startsExpr\n }},\n _false: createKeyword("\false", {\n startsExpr\n }},\n _in: createKeyword("\in", {\n
beforeExpr,\n binop: 7\n }},\n _instanceof: createKeyword("\instanceof", {\n beforeExpr,\n binop: 7\n }},\n
_typeof: createKeyword("\typeof", {\n beforeExpr,\n prefix,\n startsExpr\n }},\n _void:
createKeyword("\void", {\n beforeExpr,\n prefix,\n startsExpr\n }},\n _delete: createKeyword("\delete", {\n
beforeExpr,\n prefix,\n startsExpr\n }));\n\nconst SCOPE_OTHER = 0b00000000,\n
SCOPE_PROGRAM = 0b00000001,\n SCOPE_FUNCTION = 0b00000010,\n SCOPE_ARROW =
0b00000100,\n SCOPE_SIMPLE_CATCH = 0b00001000,\n SCOPE_SUPER = 0b00010000,\n
SCOPE_DIRECT_SUPER = 0b00100000,\n SCOPE_CLASS = 0b01000000,\n SCOPE_TS_MODULE =
0b10000000,\n SCOPE_VAR = SCOPE_PROGRAM |
 SCOPE_FUNCTION | SCOPE_TS_MODULE;\nconst BIND_KIND_VALUE = 0b000000000001,\n
BIND_KIND_TYPE = 0b000000000010,\n BIND_SCOPE_VAR = 0b000000000100,\n
BIND_SCOPE_LEXICAL = 0b000000001000,\n BIND_SCOPE_FUNCTION = 0b000000010000,\n
BIND_FLAGS_NONE = 0b000010000000,\n BIND_FLAGS_CLASS = 0b000100000000,\n
BIND_FLAGS_TS_ENUM = 0b001000000000,\n BIND_FLAGS_TS_CONST_ENUM = 0b010000000000,\n
BIND_FLAGS_TS_EXPORT_ONLY = 0b100000000000;\nconst BIND_CLASS = BIND_KIND_VALUE |
BIND_KIND_TYPE | BIND_SCOPE_LEXICAL | BIND_FLAGS_CLASS,\n BIND_LEXICAL =
BIND_KIND_VALUE | 0 | BIND_SCOPE_LEXICAL | 0,\n BIND_VAR = BIND_KIND_VALUE | 0 |
BIND_SCOPE_VAR | 0,\n BIND_FUNCTION = BIND_KIND_VALUE | 0 | BIND_SCOPE_FUNCTION | 0,\n
 BIND_TS_INTERFACE = 0 | BIND_KIND_TYPE | 0 | BIND_FLAGS_CLASS,\n BIND_TS_TYPE = 0 |
BIND_KIND_TYPE | 0 | 0,\n BIND_TS_ENUM = BIND_KIND_VALUE | BIND_KIND_TYPE |
BIND_SCOPE_LEXICAL | BIND_FLAGS_TS_ENUM,\n BIND_TS_AMBIENT = 0 |
0 | 0 | BIND_FLAGS_TS_EXPORT_ONLY,\n BIND_NONE = 0 | 0 | 0 | BIND_FLAGS_NONE,\n
BIND_OUTSIDE = BIND_KIND_VALUE | 0 | 0 | BIND_FLAGS_NONE,\n BIND_TS_CONST_ENUM =
BIND_TS_ENUM | BIND_FLAGS_TS_CONST_ENUM,\n BIND_TS_NAMESPACE = 0 | 0 | 0 |
BIND_FLAGS_TS_EXPORT_ONLY;\nconst CLASS_ELEMENT_FLAG_STATIC = 0b100,\n
CLASS_ELEMENT_KIND_GETTER = 0b010,\n CLASS_ELEMENT_KIND_SETTER = 0b001,\n
CLASS_ELEMENT_KIND_ACCESSOR = CLASS_ELEMENT_KIND_GETTER |
CLASS_ELEMENT_KIND_SETTER;\nconst CLASS_ELEMENT_STATIC_GETTER =
CLASS_ELEMENT_KIND_GETTER | CLASS_ELEMENT_FLAG_STATIC,\n
CLASS_ELEMENT_STATIC_SETTER = CLASS_ELEMENT_KIND_SETTER |
CLASS_ELEMENT_FLAG_STATIC,\n CLASS_ELEMENT_INSTANCE_GETTER =
CLASS_ELEMENT_KIND_GETTER,\n CLASS_ELEMENT_INSTANCE_SETTER =
CLASS_ELEMENT_KIND_SETTER,\n CLASS_ELEMENT_OTHER = 0;\n\nconst lineBreak =
/\r\n?|[\n\u2028\u2029]/;\nconst lineBreakG = new RegExp(lineBreak.source, "g");\nfunction isNewLine(code)
{\n switch (code)
 {\n case 10:\n case 13:\n case 8232:\n case 8233:\n return true;\n\n default:\n return false;\n
 }\n}\nconst skipWhiteSpace = /(?:\s|\\[\s\\.*\|\\\/\^]*?\/g);\nfunction isWhitespace(code) {\n switch (code) {\n
case 0x0009:\n case 0x000b:\n case 0x000c:\n case 32:\n case 160:\n case 5760:\n case 0x2000:\n case
0x2001:\n case 0x2002:\n case 0x2003:\n case 0x2004:\n case 0x2005:\n case 0x2006:\n case 0x2007:\n
case 0x2008:\n case 0x2009:\n case 0x200a:\n case 0x202f:\n case 0x205f:\n case 0x3000:\n case
0xfeff:\n return true;\n\n default:\n return false;\n }\n}\n\nclass Position {\n constructor(line, col) {\n
this.line = void 0;\n this.column = void 0;\n this.line = line;\n this.column = col;\n }\n\n}\n\nclass
SourceLocation {\n constructor(start, end) {\n this.start = void 0;\n this.end = void 0;\n this.filename = void
0;\n this.identifierName = void
0;\n this.start = start;\n this.end = end;\n }\n\n}\n\nfunction getLineInfo(input, offset) {\n let line = 1;\n let
lineStart = 0;\n let match;\n lineBreakG.lastIndex = 0;\n\n while ((match = lineBreakG.exec(input)) &&
match.index < offset) {\n line++;\n lineStart = lineBreakG.lastIndex;\n }\n\n return new Position(line, offset -

```



```

(this.state.leadingComments[j].end < this.state.commentPreviousNode.end) {\n
this.state.leadingComments.splice(j, 1);\n j--;\n }\n }\n }\n\n if
(this.state.leadingComments.length > 0) {\n node.leadingComments = this.state.leadingComments;\n
this.state.leadingComments = [];\n }\n } else {\n for (i = 0; i < this.state.leadingComments.length; i++)
{\n if (this.state.leadingComments[i].end > node.start) {\n break;\n }\n }\n\n const
leadingComments = this.state.leadingComments.slice(0,
i);\n\n if (leadingComments.length) {\n node.leadingComments = leadingComments;\n }\n\n
trailingComments = this.state.leadingComments.slice(i);\n\n if (trailingComments.length === 0) {\n
trailingComments = null;\n }\n }\n }\n\n this.state.commentPreviousNode = node;\n\n if
(trailingComments) {\n if (trailingComments.length && trailingComments[0].start >= node.start &&
last(trailingComments).end <= node.end) {\n node.innerComments = trailingComments;\n } else {\n
const firstTrailingCommentIndex = trailingComments.findIndex(comment => comment.end >= node.end);\n\n
if (firstTrailingCommentIndex > 0) {\n node.innerComments = trailingComments.slice(0,
firstTrailingCommentIndex);\n node.trailingComments =
trailingComments.slice(firstTrailingCommentIndex);\n } else {\n node.trailingComments =
trailingComments;\n }\n }\n }\n\n stack.push(node);\n
}\n\n\nconst ErrorMessages = Object.freeze({\n AccessorIsGenerator: \"A %0ter cannot be a generator\",
 ArgumentsInClass: \"'arguments' is only allowed in functions and class methods\",
 AsyncFunctionInSingleStatementContext: \"Async functions can only be declared at the top level or inside a
block\",
 AwaitBindingIdentifier: \"Can not use 'await' as identifier inside an async function\",
 AwaitExpressionFormalParameter: \"await is not allowed in async function parameters\",
 AwaitNotInAsyncContext: \"'await' is only allowed within async functions and at the top levels of modules\",
 AwaitNotInAsyncFunction: \"'await' is only allowed within async functions\",
 BadGetterArity: \"getter must not
have any formal parameters\",
 BadSetterArity: \"setter must have exactly one formal parameter\",
 BadSetterRestParameter: \"setter function argument must not be a rest parameter\",
 ConstructorClassField:
\"Classes may not have a field named 'constructor'\",
 ConstructorClassPrivateField:
\"Classes may not have a private field named '#constructor'\",
 ConstructorIsAccessor: \"Class constructor may
not be an accessor\",
 ConstructorIsAsync: \"Constructor can't be an async function\",
 ConstructorIsGenerator:
\"Constructor can't be a generator\",
 DeclarationMissingInitializer: \"%0 require an initialization value\",
 DecoratorBeforeExport: \"Decorators must be placed *before* the 'export' keyword. You can set the
'decoratorsBeforeExport' option to false to use the 'export @decorator class {}' syntax\",
 DecoratorConstructor:
\"Decorators can't be used with a constructor. Did you mean '@dec class { ... }'?\",
 DecoratorExportClass:
\"Using the export keyword between a decorator and a class is not allowed. Please use `export @dec class`
instead.\",
 DecoratorSemicolon: \"Decorators must not be followed by a semicolon\",
 DecoratorStaticBlock:
\"Decorators can't be used with a static block\",
 DeletePrivateField: \"Deleting a private
field is not allowed\",
 DestructureNamedImport: \"ES2015 named imports do not destructure. Use another
statement for destructuring after the import.\",
 DuplicateConstructor: \"Duplicate constructor in the same
class\",
 DuplicateDefaultExport: \"Only one default export allowed per module.\",
 DuplicateExport: \"%0` has
already been exported. Exported identifiers must be unique.\",
 DuplicateProto: \"Redefinition of __proto__
property\",
 DuplicateRegExpFlags: \"Duplicate regular expression flag\",
 DuplicateStaticBlock: \"Duplicate
static block in the same class\",
 ElementAfterRest: \"Rest element must be last element\",
 EscapedCharNotAnIdentifier: \"Invalid Unicode escape\",
 ExportBindingIsString: \"A string literal cannot be
used as an exported binding without `from`. Did you mean `export { %0 as %1 } from 'some-module'?\",
 ExportDefaultFromAsIdentifier: \"'from' is not allowed as an identifier after 'export default'\",
 ForInOfLoopInitializer:
\"%0 loop variable declaration may not have an initializer\",
 GeneratorInSingleStatementContext: \"Generators
can only be declared at the top level or inside a block\",
 IllegalBreakContinue: \"Unsyntactic %0\",
 IllegalLanguageModeDirective: \"Illegal 'use strict' directive in function with non-simple parameter list\",

```

IllegalReturn: \"'return' outside of function\",  
 ImportBindingIsString: 'A string literal cannot be used as an imported binding.',  
 Did you mean `import { \"%0\" as foo }`?,  
 ImportCallArgumentTrailingComma: \"Trailing comma is disallowed inside import(...) arguments\",  
 ImportCallArity: \"import() requires exactly %0\",  
 ImportCallNotNewExpression: \"Cannot use new with import(...)\",  
 ImportCallSpreadArgument: \"... is not allowed in import()\",  
 ImportMetaOutsideModule: `import.meta may appear only with 'sourceType': \"module\"`,  
 ImportOutsideModule: `import' and 'export' may appear only with 'sourceType': \"module\"`,  
 InvalidBigIntLiteral:  
 \"Invalid BigIntLiteral\",  
 InvalidCodePoint: \"Code point out of bounds\",  
 InvalidDecimal: \"Invalid decimal\",  
 InvalidDigit: \"Expected number in radix %0\",  
 InvalidEscapeSequence: \"Bad character escape sequence\",  
 InvalidEscapeSequenceTemplate: \"Invalid escape sequence in template\",  
 InvalidEscapedReservedWord: \"Escape sequence in keyword %0\",  
 InvalidIdentifier: \"Invalid identifier %0\",  
 InvalidLhs: \"Invalid left-hand side in %0\",  
 InvalidLhsBinding: \"Binding invalid left-hand side in %0\",  
 InvalidNumber: \"Invalid number\",  
 InvalidOrMissingExponent: \"Floating-point numbers require a valid exponent after the 'e'\",  
 InvalidOrUnexpectedToken: \"Unexpected character '%0'\",  
 InvalidParenthesizedAssignment: \"Invalid parenthesized assignment pattern\",  
 InvalidPrivateFieldResolution: \"Private name #%0 is not defined\",  
 InvalidPropertyBindingPattern: \"Binding member expression\",  
 InvalidRecordProperty: \"Only properties and spread elements are allowed in record definitions\",  
 InvalidRestAssignmentPattern: \"Invalid rest operator's argument\",  
 LabelRedeclaration: \"Label '%0' is already declared\",  
 LetInLexicalBinding: \"'let' is not allowed to be used as a name in 'let' or 'const' declarations.\",  
 LineTerminatorBeforeArrow: \"No line break is allowed before '=>\",  
 MalformedRegExpFlags: \"Invalid regular expression flag\",  
 MissingClassName: \"A class name is required\",  
 MissingEqInAssignment: \"Only '=' operator can be used for specifying default value.\",  
 MissingUnicodeEscape: \"Expecting Unicode escape sequence \\uXXXX\",  
 MixingCoalesceWithLogical: \"Nullish coalescing operator(??) requires parens when mixing with logical operators\",  
 ModuleAttributeDifferentFromType: \"The only accepted module attribute is `type`\",  
 ModuleAttributeInvalidValue: \"Only string literals are allowed as module attribute values\",  
 ModuleAttributesWithDuplicateKeys: 'Duplicate key \"%0\" is not allowed in module attributes',  
 ModuleExportNameHasLoneSurrogate: \"An export name cannot include a lone surrogate, found \"\\u%0\",  
 ModuleExportUndefined: \"Export '%0' is not defined\",  
 MultipleDefaultsInSwitch: \"Multiple default clauses\",  
 NewlineAfterThrow: \"Illegal newline after throw\",  
 NoCatchOrFinally: \"Missing catch or finally clause\",  
 NumberIdentifier: \"Identifier directly after number\",  
 NumericSeparatorInEscapeSequence: \"Numeric separators are not allowed inside unicode escape sequences or hex escape sequences\",  
 ObsoleteAwaitStar: \"await\* has been removed from the async functions proposal. Use Promise.all() instead.\",  
 OptionalChainingNoNew: \"constructors in/after an Optional Chain are not allowed\",  
 OptionalChainingNoTemplate: \"Tagged Template Literals are not allowed in optionalChain\",  
 ParamDupe: \"Argument name clash\",  
 PatternHasAccessor: \"Object pattern can't contain getter or setter\",  
 PatternHasMethod: \"Object pattern can't contain methods\",  
 PipelineBodyNoArrow: \"Unexpected arrow '=>' after pipeline body; arrow function in pipeline body must be parenthesized\",  
 PipelineBodySequenceExpression: \"Pipeline body may not be a comma-separated sequence expression\",  
 PipelineHeadSequenceExpression: \"Pipeline head should not be a comma-separated sequence expression\",  
 PipelineTopicUnused: \"Pipeline is in topic style but does not use topic reference\",  
 PrimaryTopicNotAllowed: \"Topic reference was used in a lexical context without topic binding\",  
 PrimaryTopicRequiresSmartPipeline: \"Primary Topic Reference found but pipelineOperator not passed 'smart' for 'proposal' option.\",  
 PrivateInExpectedIn: \"Private names are only allowed in property accesses ( obj.%0) or in `in` expressions ( %0 in obj)\",  
 PrivateNameRedeclaration: \"Duplicate private name #%0\",  
 RecordExpressionBarIncorrectEndSyntaxType: \"Record expressions ending with `}` are only allowed when the 'syntaxType'

option of the 'recordAndTuple' plugin is set to 'bar'\",\n RecordExpressionBarIncorrectStartSyntaxType: \"Record expressions starting with '{|' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\",\n RecordExpressionHashIncorrectStartSyntaxType: \"Record expressions starting with '#{ are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'\",\n RecordNoProto: \"\_\_proto\_\_ is not allowed in Record expressions\", \n RestTrailingComma: \"Unexpected trailing comma after rest element\", \n SloppyFunction: \"In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement\", \n StaticPrototype: \"Classes may not have static property named prototype\", \n StrictDelete: \"Deleting local variable in strict mode\", \n StrictEvalArguments: \"Assigning to '%0' in strict mode\", \n StrictEvalArgumentsBinding: \"Binding '%0' in strict mode\", \n StrictFunction: \"In strict mode code, functions can only be declared at top level or inside a block\", \n StrictNumericEscape: \"The only valid numeric escape in strict mode is '\\\\0'\", \n StrictOctalLiteral: \"Legacy octal literals are not allowed in strict mode\", \n StrictWith: \"'with' in strict mode\", \n SuperNotAllowed: \"super() is only valid inside a class constructor of a subclass. Maybe a typo in the method name ('constructor') or not extending another class?\", \n SuperPrivateField: \"Private fields can't be accessed on super\", \n TrailingDecorator: \"Decorators must be attached to a class element\", \n TupleExpressionBarIncorrectEndSyntaxType: \"Tuple expressions ending with ']' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\", \n TupleExpressionBarIncorrectStartSyntaxType: \"Tuple expressions starting with '[' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\", \n TupleExpressionHashIncorrectStartSyntaxType: \"Tuple expressions starting with '#{ are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'\", \n UnexpectedArgumentPlaceholder: \"Unexpected argument placeholder\", \n UnexpectedAwaitAfterPipelineBody: \"Unexpected 'await' after pipeline body; await must have parentheses in minimal proposal\", \n UnexpectedDigitAfterHash: \"Unexpected digit after hash token\", \n UnexpectedImportExport: \"'import' and 'export' may only appear at the top level\", \n UnexpectedKeyword: \"Unexpected keyword '%0'\", \n UnexpectedLeadingDecorator: \"Leading decorators must be attached to a class declaration\", \n UnexpectedLexicalDeclaration: \"Lexical declaration cannot appear in a single-statement context\", \n UnexpectedNewTarget: \"new.target can only be used in functions\", \n UnexpectedNumericSeparator: \"A numeric separator is only allowed between two digits\", \n UnexpectedPrivateField: \"Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() {} } )\n or a property of member expression (i.e. this.#p).\", \n UnexpectedReservedWord: \"Unexpected reserved word '%0'\", \n UnexpectedSuper: \"super is only allowed in object methods and classes\", \n UnexpectedToken: \"Unexpected token '%0'\", \n UnexpectedTokenUnaryExponentiation: \"Illegal expression. Wrap left hand side or entire exponentiation in parentheses.\", \n UnsupportedBind: \"Binding should be performed on object property.\", \n UnsupportedDecoratorExport: \"A decorated export must export a class declaration\", \n UnsupportedDefaultExport: \"Only expressions, functions or classes are allowed as the `default` export.\", \n UnsupportedImport: \"import can only be used in import() or import.meta\", \n UnsupportedMetaProperty: \"The only valid meta property for %0 is %0.%1\", \n UnsupportedParameterDecorator: \"Decorators cannot be used to decorate parameters\", \n UnsupportedPropertyDecorator: \"Decorators cannot be used to decorate object literal properties\", \n UnsupportedSuper: \"super can only be used with function calls (i.e. super()) or in property accesses (i.e. super.prop or super[prop])\", \n UnterminatedComment: \"Unterminated comment\", \n UnterminatedRegExp: \"Unterminated regular expression\", \n UnterminatedString: \"Unterminated string constant\", \n UnterminatedTemplate: \"Unterminated template\", \n VarRedeclaration: \"Identifier '%0' has already been declared\", \n YieldBindingIdentifier: \"Can not use 'yield' as identifier inside a generator\", \n YieldInParameter: \"Yield expression is not allowed in formal parameters\", \n ZeroDigitNumericSeparator: \"Numeric separator can not be used after leading 0\"\\n});\\n\\nclass ParserError extends CommentsParser {\\n getLocationForPosition(pos) {\\n let loc;\\n if (pos === this.state.start) loc = this.state.startLoc;else if (pos === this.state.lastTokStart) loc = this.state.lastTokStartLoc;else if (pos === this.state.end) loc = this.state.endLoc;else

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if (pos === this.state.lastTokEnd) loc = this.state.lastTokEndLoc; else loc = getLineInfo(this.input, pos);
return loc;
}
}
raise(pos, errorTemplate, ...params) {
return this.raiseWithData(pos, undefined, errorTemplate, ...params);
}
raiseWithData(pos, data, errorTemplate, ...params) {
const loc = this.getLocationForPosition(pos);
const message = errorTemplate.replace(/%(\d+)/g, (_, i) => params[i]) + `
(${loc.line}:${loc.column})`;
return this._raise(Object.assign({loc, pos}, data), message);
}
_raise(errorContext, message) {
const err = new SyntaxError(message);
Object.assign(err, errorContext);
if (this.options.errorRecovery) {
if (!this.isLookahead) this.state.errors.push(err);
return err;
} else {
throw err;
}
}
}

function isSimpleProperty(node) {
return node != null && node.type === "Property" && node.kind === "init" && node.method === false;
}

var estree = (superClass => class extends superClass {
estreeParseRegExpLiteral({pattern, flags}) {
let regex = null;
try {
regex = new RegExp(pattern, flags);
} catch (e) {}
const node = this.estreeParseLiteral(regex);
node.regex = {pattern, flags};
return node;
}

estreeParseBigIntLiteral(value) {
const bigint = typeof BigInt !== "undefined" ? BigInt(value) : null;
const node = this.estreeParseLiteral(bigInt);
node.bigint = String(node.value || value);
return node;
}

estreeParseDecimalLiteral(value) {
const decimal = null;
const node = this.estreeParseLiteral(decimal);
node.decimal = String(node.value || value);
return node;
}

estreeParseLiteral(value) {
return this.parseLiteral(value, "Literal");
}

directiveToStmt(directive) {
const directiveLiteral = directive.value;
const stmt = this.startNodeAt(directive.start, directive.loc.start);
const expression = this.startNodeAt(directiveLiteral.start, directiveLiteral.loc.start);
expression.value = directiveLiteral.value;
expression.raw = directiveLiteral.extra.raw;
stmt.expression = this.finishNodeAt(expression, "Literal", directiveLiteral.end, directiveLiteral.loc.end);
stmt.directive = directiveLiteral.extra.raw.slice(1, -1);
return this.finishNodeAt(stmt, "ExpressionStatement", directive.end, directive.loc.end);
}

initFunction(node, isAsync) {
super.initFunction(node, isAsync);
node.expression = false;
}

checkDeclaration(node) {
if (isSimpleProperty(node)) {
this.checkDeclaration(node.value);
} else {
super.checkDeclaration(node);
}
}

getObjectOrClassMethodParams(method) {
return method.value.params;
}

checkLVal(expr, bindingType = BIND_NONE, checkClashes, contextDescription, disallowLetBinding) {
switch (expr.type) {
case "ObjectPattern":
expr.properties.forEach(prop => {
this.checkLVal(prop.type === "Property" ? prop.value : prop, bindingType, checkClashes, "object destructuring pattern", disallowLetBinding);
});
break;
default:
super.checkLVal(expr, bindingType, checkClashes, contextDescription, disallowLetBinding);
}
}

checkProto(prop, isRecord, protoRef, refExpressionErrors) {
if (prop.method) {
return;
}
super.checkProto(prop, isRecord, protoRef, refExpressionErrors);
}

isValidDirective(stmt) {
var _stmt$expression$extr;
return stmt.type === "ExpressionStatement" && stmt.expression.type === "Literal" && typeof stmt.expression.value === "string" && !((_stmt$expression$extr = stmt.expression.extra) == null ? void 0 : _stmt$expression$extr.parentthesized);
}

stmtToDirective(stmt) {
const directive = super.stmtToDirective(stmt);
const value = stmt.expression.value;
directive.value.value = value;
return directive;
}

parseBlockBody(node, allowDirectives, topLevel, end) {
super.parseBlockBody(node, allowDirectives, topLevel, end);
const directiveStatements = node.directives.map(d => this.directiveToStmt(d));
node.body = directiveStatements.concat(node.body);
delete node.directives;
}

pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {
this.parseMethod(method, isGenerator, isAsync, isConstructor, allowsDirectSuper, "ClassMethod", true);
if (method.typeParameters) {
method.value.typeParameters = method.typeParameters;
delete method.typeParameters;
}
classBody.body.push(method);
}

parseExprAtom(refExpressionErrors) {
switch (this.state.type) {
case types.num:
case types.string:
return this.estreeParseLiteral(this.state.value);
case types.regexp:
return this.estreeParseRegExpLiteral(this.state.value);
case types.bigint:
return this.estreeParseBigIntLiteral(this.state.value);
case types.decimal:
return this.estreeParseDecimalLiteral(this.state.value);
case types._null:
return

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this.estreeParseLiteral(null);\n\n case types._true:\n return this.estreeParseLiteral(true);\n\n case
types._false:\n return this.estreeParseLiteral(false);\n\n default:\n return
super.parseExprAtom(refExpressionErrors);\n }\n }\n\n parseLiteral(value, type, startPos, startLoc) {\n const
node = super.parseLiteral(value, type, startPos, startLoc);\n node.raw = node.extra.raw;\n delete node.extra;\n
return node;\n }\n\n parseFunctionBody(node, allowExpression, isMethod = false) {\n
super.parseFunctionBody(node, allowExpression, isMethod);\n node.expression = node.body.type !==
'BlockStatement';\n }\n\n parseMethod(node, isGenerator, isAsync, isConstructor, allowDirectSuper,
type, inClassScope = false) {\n let funcNode = this.startNode();\n funcNode.kind = node.kind;\n funcNode =
super.parseMethod(funcNode, isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope);\n
funcNode.type = 'FunctionExpression';\n delete funcNode.kind;\n node.value = funcNode;\n type = type
=== 'ClassMethod' ? 'MethodDefinition' : type;\n return this.finishNode(node, type);\n }\n\n
parseObjectMethod(prop, isGenerator, isAsync, isPattern, isAccessor) {\n const node =
super.parseObjectMethod(prop, isGenerator, isAsync, isPattern, isAccessor);\n\n if (node) {\n node.type =
'Property';\n if (node.kind === 'method') node.kind = 'init';\n node.shorthand = false;\n }\n\n return
node;\n }\n\n parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors) {\n const node =
super.parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors);\n\n if (node) {\n
 node.kind = 'init';\n node.type = 'Property';\n }\n\n return node;\n }\n\n toAssignable(node) {\n if
(isSimpleProperty(node)) {\n this.toAssignable(node.value);\n return node;\n }\n\n return
super.toAssignable(node);\n }\n\n toAssignableObjectExpressionProp(prop, isLast) {\n if (prop.kind === 'get'
|| prop.kind === 'set') {\n throw this.raise(prop.key.start, ErrorMessages.PatternHasAccessor);\n } else if
(prop.method) {\n throw this.raise(prop.key.start, ErrorMessages.PatternHasMethod);\n } else {\n
super.toAssignableObjectExpressionProp(prop, isLast);\n }\n }\n\n finishCallExpression(node, optional) {\n
super.finishCallExpression(node, optional);\n\n if (node.callee.type === 'Import') {\n node.type =
'ImportExpression';\n node.source = node.arguments[0];\n delete node.arguments;\n delete
node.callee;\n }\n\n return node;\n }\n\n toReferencedArguments(node) {\n if (node.type
=== 'ImportExpression') {\n return;\n }\n\n super.toReferencedArguments(node);\n }\n\n
parseExport(node) {\n super.parseExport(node);\n\n switch (node.type) {\n case 'ExportAllDeclaration':\n node.exported = null;\n break;\n\n case 'ExportNamedDeclaration':\n if (node.specifiers.length ===
1 && node.specifiers[0].type === 'ExportNamespaceSpecifier') {\n node.type = 'ExportAllDeclaration';\n
node.exported = node.specifiers[0].exported;\n delete node.specifiers;\n }\n\n break;\n }\n\n return node;\n }\n\n parseSubscript(base, startPos, startLoc, noCalls, state) {\n const node =
super.parseSubscript(base, startPos, startLoc, noCalls, state);\n\n if (state.optionalChainMember) {\n if
(node.type === 'OptionalMemberExpression' || node.type === 'OptionalCallExpression') {\n node.type =
node.type.substring(8);\n }\n\n if (state.stop) {\n const chain
= this.startNodeAtNode(node);\n chain.expression = node;\n return this.finishNode(chain,
'ChainExpression');\n }\n } else if (node.type === 'MemberExpression' || node.type ===
'CallExpression') {\n node.optional = false;\n }\n\n return node;\n }\n\n\n};\n\n\nclass TokContext {\n
constructor(token, isExpr, preserveSpace, override) {\n this.token = token;\n this.isExpr = isExpr;\n
this.preserveSpace = preserveSpace;\n this.override = override;\n this.token = token;\n this.isExpr = !isExpr;\n
this.preserveSpace = !preserveSpace;\n this.override = override;\n }\n\n\nconst types$1 = {\n braceStatement:
new TokContext('{', false),\n braceExpression: new TokContext('{', true),\n recordExpression: new
TokContext('#{', true),\n templateQuasi: new TokContext('$', false),\n parenStatement: new
TokContext('(', false),\n parenExpression: new TokContext('(', true),\n template: new TokContext('`', true,
true, p => p.readTplToken()),\n
 functionExpression: new TokContext('function', true),\n functionStatement: new TokContext('function',
false)\n};\n\n types.parenR.updateContext = types.braceR.updateContext = function () {\n if
(this.state.context.length === 1) {\n this.state.exprAllowed = true;\n return;\n }\n\n let out =
this.state.context.pop();\n\n if (out === types$1.braceStatement && this.curContext().token === 'function') {\n

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out = this.state.context.pop();\n }\n\n this.state.exprAllowed = !out.isExpr;\n};\n\nntypes.name.updateContext =
function (prevType) {\n let allowed = false;\n\n if (prevType !== types.dot) {\n if (this.state.value === \"of\" &&
!this.state.exprAllowed && prevType !== types._function && prevType !== types._class) {\n allowed = true;\n
}\n }\n\n this.state.exprAllowed = allowed;\n\n if (this.state.isIterator) {\n this.state.isIterator = false;\n
}\n};\n\nntypes.braceL.updateContext = function (prevType) {\n this.state.context.push(this.braceIsBlock(prevType)
? types$1.braceStatement : types$1.braceExpression);\n this.state.exprAllowed =
true;\n};\n\nntypes.dollarBraceL.updateContext = function () {\n this.state.context.push(types$1.templateQuasi);\n
this.state.exprAllowed = true;\n};\n\nntypes.parenL.updateContext = function (prevType) {\n const statementParens
= prevType === types._if || prevType === types._for || prevType === types._with || prevType === types._while;\n
this.state.context.push(statementParens ? types$1.parenStatement : types$1.parenExpression);\n
this.state.exprAllowed = true;\n};\n\nntypes.incDec.updateContext = function ()
{\n};\n\nntypes._function.updateContext = types._class.updateContext = function (prevType) {\n if
(prevType.beforeExpr && prevType !== types.semi && prevType !== types._else && !(prevType ===
types._return && this.hasPrecedingLineBreak()) && !(prevType === types.colon || prevType === types.braceL)
&& this.curContext() === types$1.b_stat)) {\n this.state.context.push(types$1.functionExpression);\n
} else {\n this.state.context.push(types$1.functionStatement);\n }\n\n this.state.exprAllowed =
false;\n};\n\nntypes.backQuote.updateContext = function () {\n if (this.curContext() === types$1.template) {\n
this.state.context.pop();\n } else {\n this.state.context.push(types$1.template);\n }\n\n this.state.exprAllowed =
false;\n};\n\nntypes.braceHashL.updateContext = function () {\n this.state.context.push(types$1.recordExpression);\n
this.state.exprAllowed = true;\n};\n\nlet nonASCIIIdentifierStartChars = \"\\xaa\\xb5\\xba\\xc0-\\xd6\\xd8-
\\xf6\\xf8-\\u02c1\\u02c6-\\u02d1\\u02e0-\\u02e4\\u02ec\\u02ee\\u0370-\\u0374\\u0376\\u0377\\u037a-
\\u037d\\u037f\\u0386\\u0388-\\u038a\\u038c\\u038e-\\u03a1\\u03a3-\\u03f5\\u03f7-\\u0481\\u048a-
\\u052f\\u0531-\\u0556\\u0559\\u0560-\\u0588\\u05d0-\\u05ea\\u05ef-\\u05f2\\u0620-
\\u064a\\u066e\\u066f\\u0671-\\u06d3\\u06d5\\u06e5\\u06e6\\u06ee\\u06ef\\u06fa-\\u06fc\\u06ff\\u0710\\u0712-
\\u072f\\u074d-\\u07a5\\u07b1\\u07ca-\\u07ea\\u07f4\\u07f5\\u07fa\\u0800-\\u0815\\u081a\\u0824\\u0828\\u0840-
\\u0858\\u0860-\\u086a\\u08a0-\\u08b4\\u08b6-\\u08c7\\u0904-\\u0939\\u093d\\u0950\\u0958-\\u0961\\u0971-
\\u0980\\u0985-\\u098c\\u098f\\u0990\\u0993-\\u09a8\\u09aa-\\u09b0\\u09b2\\u09b6-
\\u09b9\\u09bd\\u09ce\\u09dc\\u09dd\\u09df-\\u09e1\\u09f0\\u09f1\\u09fc\\u0a05-\\u0a0a\\u0a0f\\u0a10\\u0a13-
\\u0a28\\u0a2a-\\u0a30\\u0a32\\u0a33\\u0a35\\u0a36\\u0a38\\u0a39\\u0a59-\\u0a5c\\u0a5e\\u0a72-\\u0a74\\u0a85-
\\u0a8d\\u0a8f-\\u0a91\\u0a93-\\u0aa8\\u0aaa-\\u0ab0\\u0ab2\\u0ab3\\u0ab5-
\\u0ab9\\u0abd\\u0ad0\\u0ae0\\u0ae1\\u0af9\\u0b05-\\u0b0c\\u0b0f\\u0b10\\u0b13-\\u0b28\\u0b2a-
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\\u0bb9\\u0bd0\\u0c05-\\u0c0c\\u0c0e-\\u0c10\\u0c12-\\u0c28\\u0c2a-\\u0c39\\u0c3d\\u0c58-
\\u0c5a\\u0c60\\u0c61\\u0c80\\u0c85-\\u0c8c\\u0c8e-\\u0c90\\u0c92-\\u0ca8\\u0caa-\\u0cb3\\u0cb5-
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\\u19c9\\u1a00-\\u1a16\\u1a20-\\u1a54\\u1aa7\\u1b05-\\u1b33\\u1b45-\\u1b4b\\u1b83-

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\\ufdfb\\ufe70-\\ufe74\\ufe76-\\ufefc\\uff21-\\uff3a\\uff41-\\uff5a\\uff66-\\uffbe\\uffc2-\\uffc7\\uffca-\\uffcf\\uffd2-  
\\uffd7\\uffda-\\uffdc";\nlet  
nonASCIIIdentifierChars = '\\u200c\\u200d\\xb7\\u0300-\\u036f\\u0387\\u0483-\\u0487\\u0591-  
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\uaab4\uaab7\uaab8\uaabe\uaabf\uaac1\uaaeb-\uaaef\uaaf5\uaaf6\uaabe3-\uaabea\uaabec\uaabed\uaabf0-
\uaabf9\ufb1e\ufe00-\ufe0f\ufe20-\ufe2f\ufe33\ufe34\ufe4d-\ufe4f\uff10-\uff19\uff3f";\nconst
nonASCIIIdentifierStart = new RegExp("[\" + nonASCIIIdentifierStartChars + \"]");\nconst nonASCIIIdentifier =
new RegExp("[\" + nonASCIIIdentifierStartChars + nonASCIIIdentifierChars +
\"]");\nnonASCIIIdentifierStartChars = nonASCIIIdentifierChars = null;\nconst astralIdentifierStartCodes = [0, 11,
2, 25, 2, 18, 2, 1, 2, 14, 3, 13, 35, 122, 70, 52, 268, 28, 4, 48, 48, 31, 14, 29, 6, 37, 11, 29, 3, 35, 5, 7, 2, 4,
43, 157, 19, 35, 5, 35, 5, 39, 9, 51, 157, 310, 10, 21, 11, 7, 153, 5, 3, 0, 2, 43, 2, 1, 4, 0, 3, 22, 11, 22, 10, 30, 66, 18,
2, 1, 11, 21, 11, 25, 71, 55, 7, 1, 65, 0, 16, 3, 2, 2, 28, 43, 28, 4, 28, 36, 7, 2, 27, 28, 53, 11, 21, 11, 18, 14, 17, 111,
72, 56, 50, 14, 50, 14, 35, 349, 41, 7, 1, 79, 28, 11, 0, 9, 21, 107, 20, 28, 22, 13, 52, 76, 44, 33, 24, 27, 35, 30, 0, 3, 0,
9, 34, 4, 0, 13, 47, 15, 3, 22, 0, 2, 0, 36, 17, 2, 24, 85, 6, 2, 0, 2, 3, 2, 14, 2, 9, 8, 46, 39, 7, 3, 1, 3, 21, 2, 6, 2, 1, 2, 4,
4, 0, 19, 0, 13, 4, 159, 52, 19, 3, 21, 2, 31, 47, 21, 1, 2, 0, 185, 46, 42, 3, 37, 47, 21, 0, 60, 42, 14, 0, 72, 26, 230, 43,
117, 63, 32, 7, 3, 0, 3, 7, 2, 1, 2, 23, 16, 0, 2, 0, 95, 7, 3, 38, 17, 0, 2, 0, 29, 0, 11, 39, 8, 0, 22, 0, 12, 45, 20, 0, 35, 56,
264, 8, 2, 36, 18, 0, 50, 29, 113, 6, 2, 1, 2, 37, 22, 0, 26, 5, 2, 1, 2, 31, 15, 0, 328, 18, 190, 0, 80, 921, 103, 110, 18,
195, 2749, 1070, 4050, 582, 8634, 568, 8, 30, 114, 29, 19, 47, 17, 3, 32, 20, 6, 18, 689, 63, 129, 74,
6, 0, 67, 12, 65, 1, 2, 0, 29, 6135, 9, 1237, 43, 8, 8952, 286, 50, 2, 18, 3, 9, 395, 2309, 106, 6, 12, 4, 8, 8, 9, 5991,
84, 2, 70, 2, 1, 3, 0, 3, 1, 3, 3, 2, 11, 2, 0, 2, 6, 2, 64, 2, 3, 3, 7, 2, 6, 2, 27, 2, 3, 2, 4, 2, 0, 4, 6, 2, 339, 3, 24, 2, 24, 2,
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2, 26, 2, 1, 2, 0, 3, 0, 2, 9, 2, 3, 2, 0, 2, 0, 7, 0, 5, 0, 2, 0, 2, 2, 2, 1, 2, 0, 3, 0, 2, 0, 2, 0, 2, 0, 2, 1, 2, 0, 3, 3,
2, 6, 2, 3, 2, 3, 2, 0, 2, 9, 2, 16, 6, 2, 2, 4, 2, 16, 4421, 42717, 35, 4148, 12, 221, 3, 5761, 15, 7472, 3104, 541, 1507,
4938];\nconst astralIdentifierCodes = [509, 0, 227, 0, 150, 4, 294, 9, 1368, 2, 2, 1, 6, 3, 41, 2, 5, 0, 166, 1, 574, 3, 9,
9, 370, 1, 154, 10, 176, 2, 54, 14, 32, 9, 16, 3, 46, 10, 54, 9, 7, 2, 37, 13, 2, 9, 6, 1, 45, 0, 13, 2, 49, 13, 9, 3, 2, 11, 83,
11, 7, 0, 161, 11, 6, 9, 7, 3, 56, 1, 2, 6, 3, 1, 3, 2, 10, 0, 11, 1, 3, 6, 4, 4, 193, 17, 10, 9,
5, 0, 82, 19, 13, 9, 214, 6, 3, 8, 28, 1, 83, 16, 16, 9, 82, 12, 9, 9, 84, 14, 5, 9, 243, 14, 166, 9, 71, 5, 2, 1, 3, 3, 2, 0, 2,
1, 13, 9, 120, 6, 3, 6, 4, 0, 29, 9, 41, 6, 2, 3, 9, 0, 10, 10, 47, 15, 406, 7, 2, 7, 17, 9, 57, 21, 2, 13, 123, 5, 4, 0, 2, 1, 2,
6, 2, 0, 9, 9, 49, 4, 2, 1, 2, 4, 9, 9, 330, 3, 19306, 9, 135, 4, 60, 6, 26, 9, 1014, 0, 2, 54, 8, 3, 82, 0, 12, 1, 19628, 1,
5319, 4, 4, 5, 9, 7, 3, 6, 31, 3, 149, 2, 1418, 49, 513, 54, 5, 49, 9, 0, 15, 0, 23, 4, 2, 14, 1361, 6, 2, 16, 3, 6, 2, 1, 2, 4,
262, 6, 10, 9, 419, 13, 1495, 6, 110, 6, 6, 9, 4759, 9, 787719, 239];\n\nfunction isInAstralSet(code, set) {\n let pos =
0x10000;\n for (let i = 0, length = set.length; i < length; i += 2) {\n pos += set[i];\n if (pos > code) return
false;\n pos += set[i + 1];\n if (pos >= code) return true;\n }\n\n return false;\n}\n\nfunction
isIdentifierStart(code) {\n if (code < 65) return code === 36;\n if (code <= 90) return true;\n if (code < 97) return
code === 95;\n
if (code <= 122) return true;\n\n if (code <= 0xffff) {\n return code >= 0xaa &&
nonASCIIIdentifierStart.test(String.fromCharCode(code));\n }\n\n return isInAstralSet(code,
astralIdentifierStartCodes);\n}\n\nfunction isIdentifierChar(code) {\n if (code < 48) return code === 36;\n if (code <
58) return true;\n if (code < 65) return false;\n if (code <= 90) return true;\n if (code < 97) return code === 95;\n if
(code <= 122) return true;\n\n if (code <= 0xffff) {\n return code >= 0xaa &&
nonASCIIIdentifier.test(String.fromCharCode(code));\n }\n\n return isInAstralSet(code, astralIdentifierStartCodes)
|| isInAstralSet(code, astralIdentifierCodes);\n}\n\nconst reservedWords = {\n keyword: [\"break\", \"case\",
\"catch\", \"continue\", \"debugger\", \"default\", \"do\", \"else\", \"finally\", \"for\", \"function\", \"if\", \"return\",
\"switch\", \"throw\", \"try\", \"var\", \"const\", \"while\", \"with\", \"new\", \"this\", \"super\", \"class\", \"extends\",
\"export\",
\"import\", \"null\", \"true\", \"false\", \"in\", \"instanceof\", \"typeof\", \"void\", \"delete\"],\n strict:
[\"implements\", \"interface\", \"let\", \"package\", \"private\", \"protected\", \"public\", \"static\", \"yield\"],\n
strictBind: [\"eval\", \"arguments\"]\n};\nconst keywords$1 = new Set(reservedWords.keyword);\nconst
reservedWordsStrictSet = new Set(reservedWords.strict);\nconst reservedWordsStrictBindSet = new

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Set(reservedWords.strictBind);\nfunction isReservedWord(word, inModule) {\n return inModule && word ===
 \"await\" || word === \"enum\";\n}\nfunction isStrictReservedWord(word, inModule) {\n return
 isReservedWord(word, inModule) || reservedWordsStrictSet.has(word);\n}\nfunction
 isStrictBindOnlyReservedWord(word) {\n return reservedWordsStrictBindSet.has(word);\n}\nfunction
 isStrictBindReservedWord(word, inModule) {\n return isStrictReservedWord(word, inModule) ||
 isStrictBindOnlyReservedWord(word);\n}\nfunction isKeyword(word) {\n return
 keywords$1.has(word);\n}\n\nconst
 keywordRelationalOperator = /^(in|typeof)?$/;\nfunction isIteratorStart(current, next) {\n return current === 64
 && next === 64;\n}\n\nconst reservedTypes = new Set([\"_\", \"any\", \"bool\", \"boolean\", \"empty\", \"extends\",
 \"false\", \"interface\", \"mixed\", \"null\", \"number\", \"static\", \"string\", \"true\", \"typeof\", \"void\"]);\nconst
 FlowErrors = Object.freeze({\n AmbiguousConditionalArrow: \"Ambiguous expression: wrap the arrow functions
 in parentheses to disambiguate.\",\n AmbiguousDeclareModuleKind: \"Found both `declare module.exports` and
 `declare export` in the same module. Modules can only have 1 since they are either an ES module or they are a
 CommonJS module\",\n AssignReservedType: \"Cannot overwrite reserved type %0\",\n DeclareClassElement:
 \"The `declare` modifier can only appear on class fields.\",\n DeclareClassFieldInitializer: \"Initializers are not
 allowed in fields with the `declare` modifier.\",\n DuplicateDeclareModuleExports:
 \"Duplicate `declare module.exports` statement\",\n EnumBooleanMemberNotInitialized: \"Boolean enum
 members need to be initialized. Use either `%0 = true,` or `%0 = false,` in enum `%1`.\",
 EnumDuplicateMemberName: \"Enum member names need to be unique, but the name `%0` has already been used
 before in enum `%1`.\",
 EnumInconsistentMemberValues: \"Enum `%0` has inconsistent member initializers.
 Either use no initializers, or consistently use literals (either booleans, numbers, or strings) for all member
 initializers.\",
 EnumInvalidExplicitType: \"Enum type `%1` is not valid. Use one of `boolean`, `number`, `string`,
 or `symbol` in enum `%0`.\",
 EnumInvalidExplicitTypeUnknownSupplied: \"Supplied enum type is not valid.
 Use one of `boolean`, `number`, `string`, or `symbol` in enum `%0`.\",
 EnumInvalidMemberInitializerPrimaryType: \"Enum `%0` has type `%2`, so the initializer of `%1` needs to be a %2
 literal.\",
 EnumInvalidMemberInitializerSymbolType: \"Symbol enum members
 cannot be initialized. Use `%1,` in enum `%0`.\",
 EnumInvalidMemberInitializerUnknownType: \"The enum
 member initializer for `%1` needs to be a literal (either a boolean, number, or string) in enum `%0`.\",
 EnumInvalidMemberName: \"Enum member names cannot start with lowercase 'a' through 'z'. Instead of using
 `%0`, consider using `%1`, in enum `%2`.\",
 EnumNumberMemberNotInitialized: \"Number enum members need
 to be initialized, e.g. `%1 = 1` in enum `%0`.\",
 EnumStringMemberInconsistentlyInitailized: \"String enum
 members need to consistently either all use initializers, or use no initializers, in enum `%0`.\",
 ImportTypeShorthandOnlyInPureImport: \"The `type` and `typeof` keywords on named imports can only be used on
 regular `import` statements. It cannot be used with `import type` or `import typeof` statements\",
 InexactInsideExact: \"Explicit inexact syntax cannot appear inside an explicit exact object type\",
 InexactInsideNonObject: \"Explicit inexact syntax
 cannot appear in class or interface definitions\",
 InexactVariance: \"Explicit inexact syntax cannot have
 variance\",
 InvalidNonTypeImportInDeclareModule: \"Imports within a `declare module` body must always be
 `import type` or `import typeof`,
 MissingTypeParamDefault: \"Type parameter declaration needs a default,
 since a preceding type parameter declaration has a default.\",
 NestedDeclareModule: \"`declare module` cannot be
 used inside another `declare module`,
 NestedFlowComment: \"Cannot have a flow comment inside another flow
 comment\",
 OptionalBindingPattern: \"A binding pattern parameter cannot be optional in an implementation
 signature.\",
 SpreadVariance: \"Spread properties cannot have variance\",
 TypeBeforeInitializer: \"Type
 annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`,
 TypeCastInPattern: \"The type cast expression is expected to be wrapped with parenthesis\",
 UnexpectedExplicitInexactInObject:
 \"Explicit inexact syntax must appear at the end of an inexact object\",
 UnexpectedReservedType: \"Unexpected
 reserved type %0\",
 UnexpectedReservedUnderscore: \"`_` is only allowed as a type argument to call or new\",

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UnexpectedSpaceBetweenModuloChecks: \"Spaces between `%` and `checks` are not allowed here.\",\n

UnexpectedSpreadType: \"Spread operator cannot appear in class or interface definitions\",\n

UnexpectedSubtractionOperand: \"Unexpected token, expected `\"number\"` or `\"bigint\"`,\n

UnexpectedTokenAfterTypeParameter: \"Expected an arrow function after this type parameter declaration\",\n

UnexpectedTypeParameterBeforeAsyncArrowFunction: \"Type parameters must come after the async keyword, e.g. instead of `<T> async () => {}`, use `async <T>() => {}`\", \n

UnsupportedDeclareExportKind: \"`declare export %0` is not supported. Use `%1` instead\", \n

UnsupportedStatementInDeclareModule: \"Only declares and type imports are allowed inside declare module\", \n

UnterminatedFlowComment: \"Unterminated flow-comment\\n\\n\\n\\nfunction isEsModuleType(bodyElement) {\n return bodyElement.type === \"DeclareExportAllDeclaration\" || bodyElement.type === \"DeclareExportDeclaration\" && (!bodyElement.declaration || bodyElement.declaration.type !== \"TypeAlias\" && bodyElement.declaration.type !== \"InterfaceDeclaration\");\n}\\n\\nfunction hasTypeImportKind(node) {\n return node.importKind === \"type\" || node.importKind === \"typeof\";\n}\\n\\nfunction isMaybeDefaultImport(state) {\n return (state.type === types.name || !state.type.keyword) && state.value !== \"from\";\n}\\n\\nconst exportSuggestions = {\n const: \"declare export var\", \n let: \"declare export var\", \n type: \"export type\", \n interface: \"export interface\";\n}\\n\\nfunction partition(list, test) {\n const list1 = [];\n const list2 = [];\n for (let i = 0; i < list.length; i++) {\n (test(list[i], i, list) ? list1 : list2).push(list[i]);\n }\n return [list1, list2];\n}\\n\\nconst

FLOW\_PRAGMA\_REGEX = /\\s\*@(\\s\*no)?flow\\s\*\\b/;\nvar flow = (superClass => {\n var \_temp;\n\n return \_temp = class extends superClass {\n constructor(options, input) {\n super(options, input);\n\n this.flowPragma = void 0;\n this.flowPragma = undefined;\n }\n\n shouldParseTypes() {\n return this.getPluginOption(\"flow\", \"all\") || this.flowPragma === \"flow\";\n }\n\n shouldParseEnums() {\n return !!this.getPluginOption(\"flow\", \"enums\");\n }\n\n finishToken(type, val) {\n if (type !== types.string && type !== types.semi && type !== types.interpreterDirective) {\n if (this.flowPragma === undefined) {\n this.flowPragma = null;\n }\n\n return super.finishToken(type, val);\n }\n\n addComment(comment) {\n if (this.flowPragma === undefined) {\n const matches = FLOW\_PRAGMA\_REGEX.exec(comment.value);\n\n if (!matches) ; else if (matches[1] === \"flow\") {\n this.flowPragma = \"flow\";\n } else if (matches[1] === \"noflow\") {\n this.flowPragma = \"noflow\";\n } else {\n throw new Error(\"Unexpected flow pragma\");\n }\n }\n\n return super.addComment(comment);\n }\n\n flowParseTypeInitialiser(tok) {\n const oldInType = this.state.inType;\n this.state.inType = true;\n this.expect(tok || types.colon);\n const type = this.flowParseType();\n this.state.inType = oldInType;\n return type;\n }\n\n flowParsePredicate() {\n const node = this.startNode();\n const moduloLoc = this.state.startLoc;\n const moduloPos = this.state.start;\n this.expect(types.modulo);\n const checksLoc = this.state.startLoc;\n this.expectContextual(\"checks\");\n\n if (moduloLoc.line !== checksLoc.line || moduloLoc.column !== checksLoc.column - 1) {\n this.raise(moduloPos, FlowErrors.UnexpectedSpaceBetweenModuloChecks);\n }\n\n if (this.eat(types.parenL)) {\n node.value = this.parseExpression();\n this.expect(types.parenR);\n return this.finishNode(node, \"DeclaredPredicate\");\n } else {\n return this.finishNode(node, \"InferredPredicate\");\n }\n }\n\n flowParseTypeAndPredicateInitialiser() {\n const oldInType = this.state.inType;\n this.state.inType = true;\n this.expect(types.colon);\n let type = null;\n let predicate = null;\n\n if (this.match(types.modulo)) {\n this.state.inType = oldInType;\n predicate = this.flowParsePredicate();\n } else {\n type = this.flowParseType();\n this.state.inType = oldInType;\n\n if (this.match(types.modulo)) {\n predicate = this.flowParsePredicate();\n }\n }\n\n return [type, predicate];\n }\n\n flowParseDeclareClass(node) {\n this.next();\n this.flowParseInterfaceish(node, true);\n return this.finishNode(node, \"DeclareClass\");\n }\n\n flowParseDeclareFunction(node) {\n this.next();\n const id = node.id = this.parseIdentifier();\n\n const typeNode = this.startNode();\n const typeContainer = this.startNode();\n\n if (this.isRelational(\"<\")) {\n typeNode.typeParameters = this.flowParseTypeParameterDeclaration();\n } else {\n

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typeNode.typeParameters = null;\n }\n\n this.expect(types.parenL);\n const tmp =
this.flowParseFunctionTypeParams();\n typeNode.params = tmp.params;\n typeNode.rest = tmp.rest;\nthis.expect(types.parenR);\n [typeNode.returnType, node.predicate] =
this.flowParseTypeAndPredicateInitialiser();\n typeContainer.typeAnnotation = this.finishNode(typeNode,
\'FunctionTypeAnnotation\');\n id.typeAnnotation = this.finishNode(typeContainer, \'TypeAnnotation\');\nthis.resetEndLocation(id);\n this.semicolon();\n return this.finishNode(node, \'DeclareFunction\');\n }\n\n flowParseDeclare(node,
 insideModule) {\n if (this.match(types._class)) {\n return this.flowParseDeclareClass(node);\n } else if
(this.match(types._function)) {\n return this.flowParseDeclareFunction(node);\n } else if
(this.match(types._var)) {\n return this.flowParseDeclareVariable(node);\n } else if
(this.eatContextual(\'module\')) {\n if (this.match(types.dot)) {\n return
this.flowParseDeclareModuleExports(node);\n } else {\n if (insideModule) {\n
this.raise(this.state.lastTokStart, FlowErrors.NestedDeclareModule);\n }\n\n return
this.flowParseDeclareModule(node);\n }\n } else if (this.isContextual(\'type\')) {\n return
this.flowParseDeclareTypeAlias(node);\n } else if (this.isContextual(\'opaque\')) {\n return
this.flowParseDeclareOpaqueType(node);\n } else if (this.isContextual(\'interface\')) {\n return
this.flowParseDeclareInterface(node);\n }\n\n } else if (this.match(types._export)) {\n return this.flowParseDeclareExportDeclaration(node,
insideModule);\n } else {\n throw this.unexpected();\n }\n }\n\n flowParseDeclareVariable(node) {\n
this.next();\n node.id = this.flowParseTypeAnnotatableIdentifier(true);\nthis.scope.declareName(node.id.name, BIND_VAR, node.id.start);\n this.semicolon();\n return
this.finishNode(node, \'DeclareVariable\');\n }\n\n flowParseDeclareModule(node) {\n
this.scope.enter(SCOPE_OTHER);\n\n if (this.match(types.string)) {\n node.id = this.parseExprAtom();\n } else {\n node.id = this.parseIdentifier();\n }\n\n const bodyNode = node.body = this.startNode();\n const body = bodyNode.body = [];\n this.expect(types.braceL);\n\n while (!this.match(types.braceR)) {\n
let bodyNode = this.startNode();\n\n if (this.match(types._import)) {\n this.next();\n\n if (!this.isContextual(\'type\') && !this.match(types._typeof)) {\n this.raise(this.state.lastTokStart,
FlowErrors.InvalidNonTypeImportInDeclareModule);\n }\n\n this.parseImport(bodyNode);\n } else {\n this.expectContextual(\'declare\');\n FlowErrors.UnsupportedStatementInDeclareModule);\n bodyNode
= this.flowParseDeclare(bodyNode, true);\n }\n\n body.push(bodyNode);\n }\n\n this.scope.exit();\n this.expect(types.braceR);\n this.finishNode(bodyNode, \'BlockStatement\');\n let kind = null;\n let
hasModuleExport = false;\n body.forEach(bodyElement => {\n if (isEsModuleType(bodyElement)) {\n
if (kind === \'CommonJS\') {\n this.raise(bodyElement.start,
FlowErrors.AmbiguousDeclareModuleKind);\n }\n\n kind = \'ES\';\n } else if (bodyElement.type
=== \'DeclareModuleExports\') {\n if (hasModuleExport) {\n this.raise(bodyElement.start,
FlowErrors.DuplicateDeclareModuleExports);\n }\n\n if (kind === \'ES\') {\n
this.raise(bodyElement.start, FlowErrors.AmbiguousDeclareModuleKind);\n }\n\n kind =
\'CommonJS\';\n hasModuleExport = true;\n }\n });\n node.kind = kind || \'CommonJS\';\n return this.finishNode(node, \'DeclareModule\');\n }\n\n flowParseDeclareExportDeclaration(node,
insideModule) {\n this.expect(types._export);\n\n if (this.eat(types._default)) {\n if
(this.match(types._function) || this.match(types._class)) {\n node.declaration =
this.flowParseDeclare(this.startNode());\n } else {\n node.declaration = this.flowParseType();\n
this.semicolon();\n }\n\n node.default = true;\n return this.finishNode(node,
\'DeclareExportDeclaration\');\n } else {\n if (this.match(types._const) || this.isLet() ||
(this.isContextual(\'type\') || this.isContextual(\'interface\'))\n && !insideModule) {\n const label = this.state.value;\n const suggestion = exportSuggestions[label];\n
throw this.raise(this.state.start, FlowErrors.UnsupportedDeclareExportKind, label, suggestion);\n }\n\n if (this.match(types._var) || this.match(types._function) || this.match(types._class) || this.isContextual(\'opaque\'))

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{\n node.declaration = this.flowParseDeclare(this.startNode());\n node.default = false;\n return\nthis.finishNode(node, \"DeclareExportDeclaration\");\n } else if (this.match(types.star) ||\nthis.match(types.braceL) || this.isContextual(\"interface\") || this.isContextual(\"type\") ||\nthis.isContextual(\"opaque\")) {\n node = this.parseExport(node);\n if (node.type ===\n\"ExportNamedDeclaration\") {\n node.type = \"ExportDeclaration\";\n node.default = false;\n delete node.exportKind;\n }\n node.type = \"Declare\" + node.type;\n return node;\n }\n throw this.unexpected();\n }\n flowParseDeclareModuleExports(node) {\n this.next();\n this.expectContextual(\"exports\");\n node.typeAnnotation = this.flowParseTypeAnnotation();\n this.semicolon();\n return this.finishNode(node,\n\"DeclareModuleExports\");\n }\n flowParseDeclareTypeAlias(node) {\n this.next();\n this.flowParseTypeAlias(node);\n node.type = \"DeclareTypeAlias\";\n return node;\n }\n flowParseDeclareOpaqueType(node) {\n this.next();\n this.flowParseOpaqueType(node, true);\n node.type\n= \"DeclareOpaqueType\";\n return node;\n }\n flowParseDeclareInterface(node) {\n this.next();\n this.flowParseInterfaceish(node);\n return this.finishNode(node, \"DeclareInterface\");\n }\n flowParseInterfaceish(node, isClass = false) {\n node.id = this.flowParseRestrictedIdentifier(!isClass,\ntrue);\n this.scope.declareName(node.id.name, isClass ? BIND_FUNCTION : BIND_LEXICAL,\nnode.id.start);\n if (this.isRelational(\"<\")) {\n node.typeParameters =\nthis.flowParseTypeParameterDeclaration();\n } else {\n node.typeParameters = null;\n }\n node.extends = [];\n node.implements = [];\n node.mixins = [];\n if (this.eat(types._extends)) {\n do\n node.extends.push(this.flowParseInterfaceExtends());\n while (!isClass &&\nthis.eat(types.comma));\n }\n if (this.isContextual(\"mixins\")) {\n this.next();\n do {\n node.mixins.push(this.flowParseInterfaceExtends());\n } while (this.eat(types.comma));\n }\n if\n(this.isContextual(\"implements\")) {\n this.next();\n do {\n node.implements.push(this.flowParseInterfaceExtends());\n } while (this.eat(types.comma));\n }\n node.body\n= this.flowParseObjectType({\n allowStatic: isClass,\n allowExact: false,\n allowSpread: false,\n allowProto: isClass,\n allowInexact: false\n });\n flowParseInterfaceExtends() {\n const node =\nthis.startNode();\n node.id = this.flowParseQualifiedTypeIdIdentifier();\n if (this.isRelational(\"<\")) {\n node.typeParameters = this.flowParseTypeParameterInstantiation();\n } else {\n node.typeParameters =\nnull;\n }\n return this.finishNode(node, \"InterfaceExtends\");\n }\n flowParseInterface(node) {\n this.flowParseInterfaceish(node);\n return this.finishNode(node, \"InterfaceDeclaration\");\n }\n checkNotUnderscore(word) {\n if (word === \"_\") {\n this.raise(this.state.start,\nFlowErrors.UnexpectedReservedUnderscore);\n }\n }\n checkReservedType(word, startLoc, declaration)\n{\n if (!reservedTypes.has(word)) return;\n this.raise(startLoc,\ndeclaration ? FlowErrors.AssignReservedType : FlowErrors.UnexpectedReservedType, word);\n }\n flowParseRestrictedIdentifier(liberal, declaration) {\n this.checkReservedType(this.state.value, this.state.start,\ndeclaration);\n return this.parseIdentifier(liberal);\n }\n flowParseTypeAlias(node) {\n node.id =\nthis.flowParseRestrictedIdentifier(false, true);\n this.scope.declareName(node.id.name, BIND_LEXICAL,\nnode.id.start);\n if (this.isRelational(\"<\")) {\n node.typeParameters =\nthis.flowParseTypeParameterDeclaration();\n } else {\n node.typeParameters = null;\n }\n node.right\n= this.flowParseTypeInitialiser(types.eq);\n this.semicolon();\n return this.finishNode(node, \"TypeAlias\");\n }\n flowParseOpaqueType(node, declare) {\n this.expectContextual(\"type\");\n node.id =\nthis.flowParseRestrictedIdentifier(true, true);\n this.scope.declareName(node.id.name, BIND_LEXICAL,\nnode.id.start);\n if (this.isRelational(\"<\")) {\n node.typeParameters =\nthis.flowParseTypeParameterDeclaration();\n } else {\n node.typeParameters = null;\n }\n node.supertype = null;\n if (this.match(types.colon)) {\n node.supertype =\nthis.flowParseTypeInitialiser(types.colon);\n }\n node.impltype = null;\n if (!declare) {\n node.impltype = this.flowParseTypeInitialiser(types.eq);\n }\n this.semicolon();\n return

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this.finishNode(node, \"OpaqueType\");\n }\n\n flowParseTypeParameter(requireDefault = false) {\n const
nodeStart = this.state.start;\n const node = this.startNode();\n const variance = this.flowParseVariance();\n
const ident = this.flowParseTypeAnnotatableIdentifier();\n node.name = ident.name;\n node.variance =
variance;\n node.bound = ident.typeAnnotation;\n\n if (this.match(types.eq)) {\n this.eat(types.eq);\n
node.default
= this.flowParseType();\n } else {\n if (requireDefault) {\n this.raise(nodeStart,
FlowErrors.MissingTypeParamDefault);\n }\n\n return this.finishNode(node, \"TypeParameter\");\n
}\n\n flowParseTypeParameterDeclaration() {\n const oldInType = this.state.inType;\n const node =
this.startNode();\n node.params = [];\n this.state.inType = true;\n\n if (this.isRelational(\"<\") ||
this.match(types.jsxTagStart)) {\n this.next();\n } else {\n this.unexpected();\n }\n\n let
defaultRequired = false;\n\n do {\n const typeParameter = this.flowParseTypeParameter(defaultRequired);\n
 node.params.push(typeParameter);\n\n if (typeParameter.default) {\n defaultRequired = true;\n
}\n\n if (!this.isRelational(">\")) {\n this.expect(types.comma);\n }\n } while
(!this.isRelational(">\"));\n\n this.expectRelational(">\"));\n\n this.state.inType = oldInType;\n return this.finishNode(node, \"TypeParameterDeclaration\");\n }\n\n
flowParseTypeParameterInstantiation() {\n const node = this.startNode();\n const oldInType =
this.state.inType;\n node.params = [];\n this.state.inType = true;\n this.expectRelational("<\");\n const
oldNoAnonFunctionType = this.state.noAnonFunctionType;\n this.state.noAnonFunctionType = false;\n\n while (!this.isRelational(">\")) {\n node.params.push(this.flowParseType());\n\n if
(!this.isRelational(">\")) {\n this.expect(types.comma);\n }\n }\n\n this.state.noAnonFunctionType
= oldNoAnonFunctionType;\n this.expectRelational(">\"));\n this.state.inType = oldInType;\n return
this.finishNode(node, \"TypeParameterInstantiation\");\n }\n\n
flowParseTypeParameterInstantiationCallOrNew() {\n const node = this.startNode();\n const oldInType =
this.state.inType;\n\n node.params = [];\n this.state.inType = true;\n this.expectRelational("<\");\n\n while
(!this.isRelational(">\")) {\n node.params.push(this.flowParseTypeOrImplicitInstantiation());\n\n if
(!this.isRelational(">\")) {\n this.expect(types.comma);\n }\n }\n\n this.expectRelational(">\"));\n
this.state.inType = oldInType;\n return this.finishNode(node, \"TypeParameterInstantiation\");\n }\n\n
flowParseInterfaceType() {\n const node = this.startNode();\n this.expectContextual(\"interface\");\n
node.extends = [];\n\n if (this.eat(types._extends)) {\n do {\n
node.extends.push(this.flowParseInterfaceExtends());\n } while (this.eat(types.comma));\n }\n\n
node.body = this.flowParseObjectType({\n allowStatic: false,\n allowExact: false,\n allowSpread:
false,\n allowProto: false,\n allowInexact: false\n});\n return this.finishNode(node,
\"InterfaceTypeAnnotation\");\n }\n\n flowParseObjectPropertyKey() {\n return this.match(types.num) ||
this.match(types.string) ? this.parseExprAtom() : this.parseIdentifier(true);\n }\n\n
flowParseObjectTypeIndexer(node, isStatic, variance) {\n node.static = isStatic;\n\n if (this.lookahead().type
=== types.colon) {\n node.id = this.flowParseObjectPropertyKey();\n node.key =
this.flowParseTypeInitialiser();\n } else {\n node.id = null;\n node.key = this.flowParseType();\n
}\n\n this.expect(types.bracketR);\n node.value = this.flowParseTypeInitialiser();\n node.variance =
variance;\n return this.finishNode(node, \"ObjectTypeIndexer\");\n }\n\n
flowParseObjectTypeInternalSlot(node, isStatic) {\n node.static = isStatic;\n node.id =
this.flowParseObjectPropertyKey();\n this.expect(types.bracketR);\n this.expect(types.bracketR);\n\n if
(this.isRelational("<\")
|| this.match(types.parenL)) {\n node.method = true;\n node.optional = false;\n node.value =
this.flowParseObjectTypeMethodish(this.startNodeAt(node.start, node.loc.start));\n } else {\n node.method =
false;\n\n if (this.eat(types.question)) {\n node.optional = true;\n }\n\n node.value =
this.flowParseTypeInitialiser();\n }\n\n return this.finishNode(node, \"ObjectTypeInternalSlot\");\n }\n\n
flowParseObjectTypeMethodish(node) {\n node.params = [];\n node.rest = null;\n node.typeParameters =

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null;\n\n if (this.isRelational("<")) {\n node.typeParameters = this.flowParseTypeParameterDeclaration();\n }\n\n this.expect(types.parenL);\n\n while (!this.match(types.parenR) && !this.match(types.ellipsis)) {\n node.params.push(this.flowParseFunctionTypeParam());\n\n if (!this.match(types.parenR)) {\n this.expect(types.comma);\n }\n }\n\n if (this.eat(types.ellipsis)) {\n node.rest = this.flowParseFunctionTypeParam();\n }\n\n this.expect(types.parenR);\n\n node.returnType = this.flowParseTypeInitialiser();\n\n return this.finishNode(node, \"FunctionTypeAnnotation\");\n}\n\nflowParseObjectTypeCallProperty(node, isStatic) {\n const valueNode = this.startNode();\n node.static = isStatic;\n node.value = this.flowParseObjectTypeMethodish(valueNode);\n\n return this.finishNode(node, \"ObjectTypeCallProperty\");\n}\n\nflowParseObjectType({\n allowStatic,\n allowExact,\n allowSpread,\n allowProto,\n allowInexact\n}) {\n const oldInType = this.state.inType;\n this.state.inType = true;\n const nodeStart = this.startNode();\n nodeStart.callProperties = [];\n nodeStart.properties = [];\n nodeStart.indexers = [];\n nodeStart.internalSlots = [];\n let endDelim;\n let exact;\n let inexact = false;\n\n if (allowExact && this.match(types.braceBarL)) {\n this.expect(types.braceBarL);\n endDelim = types.braceBarR;\n exact = true;\n } else {\n this.expect(types.braceL);\n endDelim = types.braceR;\n exact = false;\n }\n\n nodeStart.exact = exact;\n\n while (!this.match(endDelim)) {\n let isStatic = false;\n let protoStart = null;\n let inexactStart = null;\n const node = this.startNode();\n\n if (allowProto && this.isContextual(\"proto\")) {\n const lookahead = this.lookahead();\n\n if (lookahead.type !== types.colon && lookahead.type !== types.question) {\n this.next();\n protoStart = this.state.start;\n allowStatic = false;\n }\n\n if (allowStatic && this.isContextual(\"static\")) {\n const lookahead = this.lookahead();\n\n if (lookahead.type !== types.colon && lookahead.type !== types.question) {\n this.next();\n isStatic = true;\n }\n }\n\n const variance = this.flowParseVariance();\n\n if (this.eat(types.bracketL)) {\n if (protoStart != null) {\n this.unexpected(protoStart);\n }\n\n if (this.eat(types.bracketL)) {\n if (variance) {\n this.unexpected(variance.start);\n }\n\n nodeStart.internalSlots.push(this.flowParseObjectTypeInternalSlot(node, isStatic));\n } else {\n nodeStart.indexers.push(this.flowParseObjectTypeIndexer(node, isStatic, variance));\n }\n } else if (this.match(types.parenL) || this.isRelational("<")) {\n if (protoStart != null) {\n this.unexpected(protoStart);\n }\n\n if (variance) {\n this.unexpected(variance.start);\n }\n\n nodeStart.callProperties.push(this.flowParseObjectTypeCallProperty(node, isStatic));\n } else {\n let kind = \"init\";\n\n if (this.isContextual(\"get\") || this.isContextual(\"set\")) {\n const lookahead = this.lookahead();\n\n if (lookahead.type === types.name || lookahead.type === types.string || lookahead.type === types.num) {\n kind = this.state.value;\n this.next();\n }\n\n const propOrInexact = this.flowParseObjectTypeProperty(node, isStatic, protoStart, variance, kind, allowSpread, allowInexact != null ? allowInexact : !exact);\n\n if (propOrInexact === null) {\n inexact = true;\n inexactStart = this.state.lastTokStart;\n } else {\n nodeStart.properties.push(propOrInexact);\n }\n }\n\n this.flowObjectTypeSemicolon();\n\n if (inexactStart && !this.match(types.braceR) && !this.match(types.braceBarR)) {\n this.raise(inexactStart, FlowErrors.UnexpectedExplicitInexactInObject);\n }\n }\n\n this.expect(endDelim);\n\n if (allowSpread) {\n nodeStart.inexact = inexact;\n }\n\n const out = this.finishNode(nodeStart, \"ObjectTypeAnnotation\");\n\n this.state.inType = oldInType;\n\n return out;\n }\n\n flowParseObjectTypeProperty(node, isStatic, protoStart, variance, kind, allowSpread, allowInexact) {\n if (this.eat(types.ellipsis)) {\n const isInexactToken = this.match(types.comma) || this.match(types.semi) || this.match(types.braceR) || this.match(types.braceBarR);\n\n if (isInexactToken) {\n if (!allowSpread) {\n this.raise(this.state.lastTokStart, FlowErrors.InexactInsideNonObject);\n } else if (!allowInexact) {\n this.raise(this.state.lastTokStart, FlowErrors.InexactInsideExact);\n }\n\n if (variance) {\n this.raise(variance.start, FlowErrors.InexactVariance);\n }\n\n return null;\n }\n }\n }\n }\n}

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 if (!allowSpread) {\n this.raise(this.state.lastTokStart, FlowErrors.UnexpectedSpreadType);\n }\n\n if (protoStart != null) {\n this.unexpected(protoStart);\n }\n\n if (variance) {\n this.raise(variance.start, FlowErrors.SpreadVariance);\n }\n\n node.argument = this.flowParseType();\n\n return this.finishNode(node, \"ObjectTypeSpreadProperty\");\n } else {\n node.key =\n this.flowParseObjectPropertyKey();\n node.static = isStatic;\n node.proto = protoStart != null;\n node.kind = kind;\n let optional = false;\n\n if (this.isRelational('<')) || this.match(types.parenL)) {\n node.method = true;\n\n if (protoStart != null) {\n this.unexpected(protoStart);\n }\n\n if (variance) {\n this.unexpected(variance.start);\n }\n\n node.value =\n this.flowParseObjectTypeMethodish(this.startNodeAt(node.start,\n node.loc.start));\n\n if (kind === \"get\" || kind === \"set\") {\n this.flowCheckGetterSetterParams(node);\n }\n } else {\n if (kind !== \"init\") this.unexpected();\n\n node.method = false;\n\n if (this.eat(types.question)) {\n optional = true;\n }\n\n node.value = this.flowParseTypeInitialiser();\n node.variance = variance;\n\n node.optional = optional;\n\n return this.finishNode(node, \"ObjectTypeProperty\");\n }\n }\n\n flowCheckGetterSetterParams(property) {\n const paramCount = property.kind === \"get\" ? 0 : 1;\n const start = property.start;\n const length = property.value.params.length + (property.value.rest ? 1 : 0);\n\n if (length !== paramCount) {\n if (property.kind === \"get\") {\n this.raise(start, ErrorMessages.BadGetterArity);\n } else {\n this.raise(start, ErrorMessages.BadSetterArity);\n }\n }\n\n if (property.kind === \"set\" && property.value.rest) {\n this.raise(start, ErrorMessages.BadSetterRestParameter);\n }\n }\n\n flowObjectTypeSemicolon() {\n if (!this.eat(types.semi) && !this.eat(types.comma) && !this.match(types.braceR) && !this.match(types.braceBarR)) {\n this.unexpected();\n }\n }\n\n flowParseQualifiedTypeIdentifier(startPos, startLoc, id) {\n startPos = startPos || this.state.start;\n startLoc = startLoc || this.state.startLoc;\n let node = id ||\n this.flowParseRestrictedIdentifier(true);\n\n while (this.eat(types.dot)) {\n const node2 =\n this.startNodeAt(startPos, startLoc);\n node2.qualification = node;\n node2.id =\n this.flowParseRestrictedIdentifier(true);\n node = this.finishNode(node2, \"QualifiedTypeIdentifier\");\n }\n\n return node;\n }\n\n flowParseGenericType(startPos, startLoc, id) {\n const node =\n this.startNodeAt(startPos,\n startLoc);\n node.typeParameters = null;\n node.id = this.flowParseQualifiedTypeIdentifier(startPos, startLoc,\n id);\n\n if (this.isRelational('<')) {\n node.typeParameters = this.flowParseTypeParameterInstantiation();\n }\n\n return this.finishNode(node, \"GenericTypeAnnotation\");\n }\n\n flowParseTypeofType() {\n const node = this.startNode();\n this.expect(types._typeof);\n node.argument =\n this.flowParsePrimaryType();\n return this.finishNode(node, \"TypeofTypeAnnotation\");\n }\n\n flowParseTupleType() {\n const node = this.startNode();\n node.types = [];\n\n this.expect(types.bracketL);\n\n while (this.state.pos < this.length && !this.match(types.bracketR)) {\n node.types.push(this.flowParseType());\n if (this.match(types.bracketR)) break;\n }\n\n this.expect(types.comma);\n\n this.expect(types.bracketR);\n return this.finishNode(node,\n \"TupleTypeAnnotation\");\n }\n\n flowParseFunctionTypeParam() {\n let name = null;\n let optional = false;\n let typeAnnotation =\n null;\n const node = this.startNode();\n const lh = this.lookahead();\n\n if (lh.type === types.colon || lh.type === types.question) {\n name = this.parseIdentifier();\n\n if (this.eat(types.question)) {\n optional = true;\n }\n\n typeAnnotation = this.flowParseTypeInitialiser();\n } else {\n typeAnnotation =\n this.flowParseType();\n }\n\n node.name = name;\n node.optional = optional;\n node.typeAnnotation =\n typeAnnotation;\n return this.finishNode(node, \"FunctionTypeParam\");\n }\n\n reinterpretTypeAsFunctionTypeParam(type) {\n const node = this.startNodeAt(type.start, type.loc.start);\n node.name = null;\n node.optional = false;\n node.typeAnnotation = type;\n return this.finishNode(node,\n \"FunctionTypeParam\");\n }\n\n flowParseFunctionTypeParams(params)

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= []) {\n let rest = null;\n\n while (!this.match(types.parenR) && !this.match(types.ellipsis)) {\n
params.push(this.flowParseFunctionTypeParam());\n\n if (!this.match(types.parenR)) {\n
this.expect(types.comma);\n }\n\n if (this.eat(types.ellipsis)) {\n rest =
this.flowParseFunctionTypeParam();\n }\n\n return {\n params,\n rest\n }; \n }\n\n
flowIdentToTypeAnnotation(startPos, startLoc, node, id) {\n switch (id.name) {\n case \"any\":\n
return this.finishNode(node, \"AnyTypeAnnotation\");\n\n case \"bool\":\n case \"boolean\":\n return
this.finishNode(node, \"BooleanTypeAnnotation\");\n\n case \"mixed\":\n return this.finishNode(node,
\"MixedTypeAnnotation\");\n\n case \"empty\":\n return this.finishNode(node,
\"EmptyTypeAnnotation\");\n\n case \"number\":\n return this.finishNode(node,
\"NumberTypeAnnotation\");\n\n case \"string\":\n return this.finishNode(node,
\"StringTypeAnnotation\");\n\n case \"symbol\":\n return this.finishNode(node,
\"SymbolTypeAnnotation\");\n\n default:\n this.checkNotUnderscore(id.name);\n return
this.flowParseGenericType(startPos, startLoc, id);\n }\n }\n\n
flowParsePrimaryType() {\n const startPos
= this.state.start;\n const startLoc = this.state.startLoc;\n const node = this.startNode();\n let tmp;\n let
type;\n let isGroupedType = false;\n const oldNoAnonFunctionType = this.state.noAnonFunctionType;\n\n
switch (this.state.type) {\n case types.name:\n if (this.isContextual(\"interface\")) {\n return
this.flowParseInterfaceType();\n }\n\n return this.flowIdentToTypeAnnotation(startPos, startLoc, node,
this.parseIdentifier());\n\n case types.braceL:\n return this.flowParseObjectType({\n
allowStatic: false,\n allowExact: false,\n allowSpread: true,\n allowProto: false,\n
allowInexact: true\n });\n\n case types.braceBarL:\n return this.flowParseObjectType({\n
allowStatic: false,\n allowExact: true,\n allowSpread: true,\n allowProto: false,\n
allowInexact: false\n });\n\n case types.bracketL:\n this.state.noAnonFunctionType = false;\n
type = this.flowParseTupleType();\n this.state.noAnonFunctionType = oldNoAnonFunctionType;\n
return type;\n\n case types.relational:\n if (this.state.value === \"<\") {\n node.typeParameters =
this.flowParseTypeParameterDeclaration();\n this.expect(types.parenL);\n tmp =
this.flowParseFunctionTypeParams();\n node.params = tmp.params;\n node.rest = tmp.rest;\n
this.expect(types.parenR);\n this.expect(types.arrow);\n node.returnType =
this.flowParseType();\n return this.finishNode(node, \"FunctionTypeAnnotation\");\n }\n\n
break;\n\n case types.parenL:\n this.next();\n\n if (!this.match(types.parenR) &&
!this.match(types.ellipsis)) {\n if (this.match(types.name)) {\n const token = this.lookahead().type;\n
isGroupedType = token !== types.question && token !== types.colon;\n } else {\n
isGroupedType = true;\n }\n\n if (isGroupedType) {\n this.state.noAnonFunctionType
= false;\n type = this.flowParseType();\n this.state.noAnonFunctionType =
oldNoAnonFunctionType;\n\n if (this.state.noAnonFunctionType || !(this.match(types.comma) ||
this.match(types.parenR) && this.lookahead().type === types.arrow)) {\n this.expect(types.parenR);\n
return type;\n } else {\n this.eat(types.comma);\n }\n\n if (type) {\n
tmp = this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(type)]);\n } else {\n
tmp = this.flowParseFunctionTypeParams();\n }\n\n node.params = tmp.params;\n node.rest =
tmp.rest;\n this.expect(types.parenR);\n this.expect(types.arrow);\n node.returnType =
this.flowParseType();\n node.typeParameters = null;\n return this.finishNode(node,
\"FunctionTypeAnnotation\");\n\n case types.string:\n return this.parseLiteral(this.state.value,
\"StringLiteralTypeAnnotation\");\n\n case types._true:\n case types._false:\n node.value =
this.match(types._true);\n this.next();\n return this.finishNode(node,
\"BooleanLiteralTypeAnnotation\");\n\n case types.plusMin:\n
if (this.state.value === \"-\") {\n this.next();\n\n if (this.match(types.num)) {\n return
this.parseLiteral(-this.state.value, \"NumberLiteralTypeAnnotation\", node.start, node.loc.start);\n }\n\n
if (this.match(types.bigint)) {\n return this.parseLiteral(-this.state.value, \"BigIntLiteralTypeAnnotation\",
node.start, node.loc.start);\n }\n\n throw this.raise(this.state.start,

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FlowErrors.UnexpectedSubtractionOperand);\n }\n throw this.unexpected();\n case types.num:\n return this.parseLiteral(this.state.value, \"NumberLiteralTypeAnnotation\");\n case types.bigint:\n return this.parseLiteral(this.state.value, \"BigIntLiteralTypeAnnotation\");\n case types._void:\n this.next();\n return this.finishNode(node, \"VoidTypeAnnotation\");\n case types._null:\n this.next();\n return\n this.finishNode(node, \"NullLiteralTypeAnnotation\");\n case types._this:\n this.next();\n return\n this.finishNode(node, \"ThisTypeAnnotation\");\n case types.star:\n this.next();\n return\n this.finishNode(node, \"ExistsTypeAnnotation\");\n default:\n if (this.state.type.keyword === \"typeof\")\n {\n return this.flowParseTypeofType();\n } else if (this.state.type.keyword) {\n const label =\n this.state.type.label;\n this.next();\n return super.createIdentifier(node, label);\n }\n throw this.unexpected();\n }\n flowParsePostfixType() {\n const startPos = this.state.start,\n startLoc = this.state.startLoc;\n let type = this.flowParsePrimaryType();\n while (this.match(types.bracketL) &&\n !this.canInsertSemicolon()) {\n const node = this.startNodeAt(startPos, startLoc);\n node.elementType =\n type;\n this.expect(types.bracketL);\n this.expect(types.bracketR);\n type = this.finishNode(node,\n \"ArrayTypeAnnotation\");\n }\n return type;\n }\n flowParsePrefixType() {\n const node =\n this.startNode();\n if (this.eat(types.question)) {\n node.typeAnnotation = this.flowParsePrefixType();\n return this.finishNode(node, \"NullableTypeAnnotation\");\n } else {\n return this.flowParsePostfixType();\n }\n }\n flowParseAnonFunctionWithoutParens() {\n const param = this.flowParsePrefixType();\n if\n (!this.state.noAnonFunctionType && this.eat(types.arrow)) {\n const node = this.startNodeAt(param.start,\n param.loc.start);\n node.params = [this.reinterpretTypeAsFunctionTypeParam(param)];\n node.rest =\n null;\n node.returnType = this.flowParseType();\n node.typeParameters = null;\n return\n this.finishNode(node, \"FunctionTypeAnnotation\");\n }\n return param;\n }\n flowParseIntersectionType() {\n const node = this.startNode();\n this.eat(types.bitwiseAND);\n const type = this.flowParseAnonFunctionWithoutParens();\n node.types =\n [type];\n while (this.eat(types.bitwiseAND)) {\n node.types.push(this.flowParseAnonFunctionWithoutParens());\n }\n return node.types.length === 1 ? type\n : this.finishNode(node, \"IntersectionTypeAnnotation\");\n }\n flowParseUnionType() {\n const node =\n this.startNode();\n this.eat(types.bitwiseOR);\n const type = this.flowParseIntersectionType();\n node.types\n = [type];\n while (this.eat(types.bitwiseOR)) {\n node.types.push(this.flowParseIntersectionType());\n }\n return node.types.length === 1 ? type\n : this.finishNode(node, \"UnionTypeAnnotation\");\n }\n flowParseType() {\n const oldInType = this.state.inType;\n this.state.inType = true;\n const type =\n this.flowParseUnionType();\n this.state.inType = oldInType;\n this.state.exprAllowed = this.state.exprAllowed ||\n this.state.noAnonFunctionType;\n return type;\n }\n flowParseTypeOrImplicitInstantiation() {\n if\n (this.state.type === types.name && this.state.value === \"_\") {\n const startPos = this.state.start;\n const\n startLoc = this.state.startLoc;\n const node = this.parseIdentifier();\n return\n this.flowParseGenericType(startPos, startLoc, node);\n } else {\n return this.flowParseType();\n }\n }\n flowParseTypeAnnotation() {\n const node = this.startNode();\n node.typeAnnotation =\n this.flowParseTypeInitialiser();\n return this.finishNode(node, \"TypeAnnotation\");\n }\n flowParseTypeAnnotatableIdentifier(allowPrimitiveOverride) {\n const ident = allowPrimitiveOverride ?\n this.parseIdentifier() : this.flowParseRestrictedIdentifier();\n if (this.match(types.colon)) {\n ident.typeAnnotation\n = this.flowParseTypeAnnotation();\n this.resetEndLocation(ident);\n }\n return ident;\n }\n typeCastToParameter(node) {\n node.expression.typeAnnotation = node.typeAnnotation;\n this.resetEndLocation(node.expression, node.typeAnnotation.end,\n node.typeAnnotation.loc.end);\n return\n node.expression;\n }\n flowParseVariance() {\n let variance = null;\n if (this.match(types.plusMin))\n {\n variance = this.startNode();\n if (this.state.value === \"+\") {\n variance.kind = \"plus\";\n }\n }\n }\n }\n}

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else {\n variance.kind = \"minus\";\n }\n\n this.next();\n this.finishNode(variance,\n\"Variance\");\n }\n\n return variance;\n}\n\n parseFunctionBody(node, allowExpressionBody, isMethod\n= false) {\n if (allowExpressionBody) {\n return this.forwardNoArrowParamsConversionAt(node, () =>\nsuper.parseFunctionBody(node, true, isMethod));\n }\n\n return\n super.parseFunctionBody(node, false, isMethod);\n }\n\n parseFunctionBodyAndFinish(node, type, isMethod =\nfalse) {\n if (this.match(types.colon)) {\n const typeNode = this.startNode();\n [typeNode.typeAnnotation, node.predicate] = this.flowParseTypeAndPredicateInitialiser();\n node.returnType =\ntypeNode.typeAnnotation ? this.finishNode(typeNode, \"TypeAnnotation\") : null;\n }\n\n super.parseFunctionBodyAndFinish(node, type, isMethod);\n }\n\n parseStatement(context, topLevel) {\n if\n(this.state.strict && this.match(types.name) && this.state.value === \"interface\") {\n const lookahead =\nthis.lookahead();\n\n if (lookahead.type === types.name || isKeyword(lookahead.value)) {\n const node =\nthis.startNode();\n this.next();\n return this.flowParseInterface(node);\n }\n } else if\n(this.shouldParseEnums() && this.isContextual(\"enum\")) {\n const node = this.startNode();\n this.next();\n return this.flowParseEnumDeclaration(node);\n }\n\n const stmt =\nsuper.parseStatement(context, topLevel);\n\n if (this.flowPragma === undefined &&\n!this.isValidDirective(stmt)) {\n this.flowPragma = null;\n }\n\n return stmt;\n }\n\n parseExpressionStatement(node, expr) {\n if (expr.type === \"Identifier\") {\n if (expr.name === \"declare\") {\n if (this.match(types._class) || this.match(types.name) || this.match(types._function) || this.match(types._var)\n|| this.match(types._export)) {\n return this.flowParseDeclare(node);\n }\n } else if\n(this.match(types.name)) {\n if (expr.name === \"interface\") {\n return\nthis.flowParseInterface(node);\n } else if (expr.name === \"type\") {\n return\nthis.flowParseTypeAlias(node);\n } else if (expr.name === \"opaque\") {\n return\nthis.flowParseOpaqueType(node, false);\n }\n }\n }\n\n return super.parseExpressionStatement(node, expr);\n }\n\n shouldParseExportDeclaration() {\n return this.isContextual(\"type\") || this.isContextual(\"interface\") ||\nthis.isContextual(\"opaque\") || this.shouldParseEnums() && this.isContextual(\"enum\") ||\nsuper.shouldParseExportDeclaration();\n }\n\n isExportDefaultSpecifier() {\n if (this.match(types.name) &&\n(this.state.value === \"type\" || this.state.value === \"interface\" || this.state.value === \"opaque\" ||\nthis.shouldParseEnums() && this.state.value === \"enum\")) {\n return false;\n }\n\n return\nsuper.isExportDefaultSpecifier();\n }\n\n parseExportDefaultExpression() {\n if (this.shouldParseEnums()\n&& this.isContextual(\"enum\")) {\n const node = this.startNode();\n this.next();\n return\nthis.flowParseEnumDeclaration(node);\n }\n\n return super.parseExportDefaultExpression();\n }\n\n parseConditional(expr,\nstartPos, startLoc, refNeedsArrowPos) {\n if (!this.match(types.question)) return expr;\n\n if\n(refNeedsArrowPos) {\n const result = this.tryParse(() => super.parseConditional(expr, startPos, startLoc));\n\n if (!result.node) {\n refNeedsArrowPos.start = result.error.pos || this.state.start;\n return expr;\n }\n\n if (result.error) this.state = result.failState;\n return result.node;\n }\n\n this.expect(types.question);\n const state = this.state.clone();\n const originalNoArrowAt =\nthis.state.noArrowAt;\n const node = this.startNodeAt(startPos, startLoc);\n let {\n consequent,\n failed\n } = this.tryParseConditionalConsequent();\n let [valid, invalid] =\nthis.getArrowLikeExpressions(consequent);\n\n if (failed || invalid.length > 0) {\n const noArrowAt =\n[...originalNoArrowAt];\n\n if (invalid.length > 0) {\n this.state = state;\n\n this.state.noArrowAt = noArrowAt;\n\n for (let i = 0; i < invalid.length; i++) {\n noArrowAt.push(invalid[i].start);\n }\n\n ({\n consequent,\n failed\n }) =\nthis.tryParseConditionalConsequent();\n [valid, invalid] = this.getArrowLikeExpressions(consequent);\n }\n\n if (failed && valid.length > 1) {\n this.raise(state.start, FlowErrors.AmbiguousConditionalArrow);\n }\n\n if (failed && valid.length === 1) {\n this.state = state;\n this.state.noArrowAt =\nnoArrowAt.concat(valid[0].start);\n ({\n consequent,\n failed\n }) =

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maybeParseExportNamespaceSpecifier(node) {\n const pos = this.state.start;\n const hasNamespace =
super.maybeParseExportNamespaceSpecifier(node);\n\n if (hasNamespace &&
node.exportKind === \"type\") {\n this.unexpected(pos);\n }\n\n return hasNamespace;\n}\n\nparseClassId(node, isStatement, optionalId) {\n super.parseClassId(node, isStatement, optionalId);\n\n if
(this.isRelational(\"<\")) {\n node.typeParameters = this.flowParseTypeParameterDeclaration();\n }\n}\n\nparseClassMember(classBody, member, state) {\n const pos = this.state.start;\n\n if
(this.isContextual(\"declare\")) {\n if (this.parseClassMemberFromModifier(classBody, member)) {\n return;\n }\n\n member.declare = true;\n }\n\n super.parseClassMember(classBody, member,
state);\n\n if (member.declare) {\n if (member.type !== \"ClassProperty\" && member.type !==
\"ClassPrivateProperty\") {\n this.raise(pos, FlowErrors.DeclareClassElement);\n } else if (member.value) {\n this.raise(member.value.start, FlowErrors.DeclareClassFieldInitializer);\n }\n }\n\n getTokenFromCode(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (code === 123 && next === 124) {\n return this.finishOp(types.braceBarL, 2);\n } else if
(this.state.inType && (code === 62 || code === 60)) {\n return this.finishOp(types.relational, 1);\n } else if
(this.state.inType && code === 63) {\n return this.finishOp(types.question, 1);\n } else if
(isIteratorStart(code, next)) {\n this.state.isIterator = true;\n return super.readWord();\n } else {\n return super.getTokenFromCode(code);\n }\n }\n\n isAssignable(node, isBinding) {\n switch (node.type) {\n case \"Identifier\":\n case \"ObjectPattern\":\n case \"ArrayPattern\":\n case
\"AssignmentPattern\":\n return true;\n\n case \"ObjectExpression\":\n {\n const last =
node.properties.length - 1;\n return node.properties.every((prop,
i) => {\n return prop.type !== \"ObjectMethod\" && (i === last || prop.type === \"SpreadElement\") &&
this.isAssignable(prop);\n });\n }\n\n case \"ObjectProperty\":\n return
this.isAssignable(node.value);\n\n case \"SpreadElement\":\n return this.isAssignable(node.argument);\n\n case \"ArrayExpression\":\n return node.elements.every(element => this.isAssignable(element));\n\n case \"AssignmentExpression\":\n return node.operator === \"=\";\n\n case \"ParenthesizedExpression\":\n case \"TypeCastExpression\":\n return this.isAssignable(node.expression);\n\n case
\"MemberExpression\":\n case \"OptionalMemberExpression\":\n return !isBinding;\n\n default:\n return false;\n }\n }\n\n toAssignable(node) {\n if (node.type === \"TypeCastExpression\") {\n return
super.toAssignable(this.typeCastToParameter(node));\n } else {\n return super.toAssignable(node);\n }\n }\n\n toAssignableList(exprList,
trailingCommaPos) {\n for (let i = 0; i < exprList.length; i++) {\n const expr = exprList[i];\n\n if ((expr
== null ? void 0 : expr.type) === \"TypeCastExpression\") {\n exprList[i] = this.typeCastToParameter(expr);\n }\n }\n\n return super.toAssignableList(exprList, trailingCommaPos);\n }\n\n toReferencedList(exprList, isParenthesizedExpr) {\n for (let i = 0; i < exprList.length; i++) {\n var
_expr$extra;\n\n const expr = exprList[i];\n\n if (expr && expr.type === \"TypeCastExpression\" &&
!((_expr$extra = expr.extra) == null ? void 0 : _expr$extra.parenthesized) && (exprList.length > 1 ||
!isParenthesizedExpr)) {\n this.raise(expr.typeAnnotation.start, FlowErrors.TypeCastInPattern);\n }\n }\n\n return exprList;\n }\n\n parseArrayLike(close, canBePattern, isTuple,
refExpressionErrors) {\n const node = super.parseArrayLike(close, canBePattern, isTuple,
refExpressionErrors);\n\n if (canBePattern && !this.state.maybeInArrowParameters) {\n this.toReferencedList(node.elements);\n }\n\n return node;\n }\n\n checkLVal(expr, bindingType =
BIND_NONE, checkClashes, contextDescription) {\n if (expr.type !== \"TypeCastExpression\") {\n return
super.checkLVal(expr, bindingType, checkClashes, contextDescription);\n }\n }\n\n parseClassProperty(node) {\n if (this.match(types.colon)) {\n node.typeAnnotation =
this.flowParseTypeAnnotation();\n }\n\n return super.parseClassProperty(node);\n }\n\n parseClassPrivateProperty(node) {\n if (this.match(types.colon)) {\n node.typeAnnotation =
this.flowParseTypeAnnotation();\n }\n\n return super.parseClassPrivateProperty(node);\n }\n\n isClassMethod() {\n return this.isRelational(\"<\") || super.isClassMethod();\n }\n}

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 }\n\n isClassProperty() {\n return this.match(types.colon) || super.isClassProperty();\n }\n\n isNonstaticConstructor(method) {\n return !this.match(types.colon) && super.isNonstaticConstructor(method);\n }\n\n pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n if (method.variance) {\n this.unexpected(method.variance.start);\n }\n delete method.variance;\n if (this.isRelational('<')) {\n method.typeParameters = this.flowParseTypeParameterDeclaration();\n }\n super.pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper);\n }\n\n pushClassPrivateMethod(classBody, method, isGenerator, isAsync) {\n if (method.variance) {\n this.unexpected(method.variance.start);\n }\n delete method.variance;\n if (this.isRelational('<')) {\n method.typeParameters = this.flowParseTypeParameterDeclaration();\n }\n super.pushClassPrivateMethod(classBody, method, isGenerator, isAsync);\n }\n\n parseClassSuper(node) {\n super.parseClassSuper(node);\n if (node.superClass && this.isRelational('<')) {\n node.superTypeParameters = this.flowParseTypeParameterInstantiation();\n }\n if (this.isContextual('implements')) {\n this.next();\n const implemented = node.implements = [];\n do {\n const node = this.startNode();\n node.id = this.flowParseRestrictedIdentifier(true);\n if (this.isRelational('<')) {\n node.typeParameters = this.flowParseTypeParameterInstantiation();\n }\n } else {\n node.typeParameters = null;\n }\n implemented.push(this.finishNode(node, 'ClassImplements'));\n } while (this.eat(types.comma));\n parsePropertyName(node, isPrivateNameAllowed) {\n const variance = this.flowParseVariance();\n const key = super.parsePropertyName(node, isPrivateNameAllowed);\n node.variance = variance;\n return key;\n }\n parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern, isAccessor, refExpressionErrors) {\n if (prop.variance) {\n this.unexpected(prop.variance.start);\n }\n delete prop.variance;\n let typeParameters;\n if (this.isRelational('<') && !isAccessor) {\n typeParameters = this.flowParseTypeParameterDeclaration();\n }\n if (!this.match(types.parenL)) this.unexpected();\n super.parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern, isAccessor, refExpressionErrors);\n if (typeParameters) {\n (prop.value || prop).typeParameters = typeParameters;\n }\n }\n parseAssignableListItemTypes(param) {\n if (this.eat(types.question)) {\n if (param.type !== 'Identifier') {\n this.raise(param.start, FlowErrors.OptionalBindingPattern);\n }\n param.optional = true;\n }\n if (this.match(types.colon)) {\n param.typeAnnotation = this.flowParseTypeAnnotation();\n }\n this.resetEndLocation(param);\n return param;\n }\n parseMaybeDefault(startPos, startLoc, left) {\n const node = super.parseMaybeDefault(startPos, startLoc, left);\n if (node.type === 'AssignmentPattern' && node.typeAnnotation && node.right.start < node.typeAnnotation.start) {\n this.raise(node.typeAnnotation.start, FlowErrors.TypeBeforeInitializer);\n }\n return node;\n }\n shouldParseDefaultImport(node) {\n if (!hasTypeImportKind(node)) {\n return super.shouldParseDefaultImport(node);\n }\n return isMaybeDefaultImport(this.state);\n }\n parseImportSpecifierLocal(node, specifier, type, contextDescription) {\n specifier.local = hasTypeImportKind(node) ? this.flowParseRestrictedIdentifier(true, true) : this.parseIdentifier();\n this.checkLVal(specifier.local, BIND_LEXICAL, undefined, contextDescription);\n node.specifiers.push(this.finishNode(specifier, type));\n }\n maybeParseDefaultImportSpecifier(node) {\n node.importKind = 'value';\n let kind = null;\n if (this.match(types._typeof)) {\n kind = 'typeof';\n } else if (this.isContextual('type')) {\n kind = 'type';\n }\n if (kind) {\n const lh = this.lookahead();\n if (kind === 'type' && lh.type === types.star) {\n this.unexpected(lh.start);\n }\n if (isMaybeDefaultImport(lh) || lh.type === types.braceL || lh.type === types.star) {\n this.next();\n node.importKind = kind;\n }\n }\n return super.maybeParseDefaultImportSpecifier(node);\n }\n parseImportSpecifier(node) {\n const specifier = this.startNode();\n const firstIdentLoc = this.state.start;\n const firstIdent = this.parseModuleExportName();\n let specifierTypeKind = null;\n if (firstIdent.type === 'Identifier') {\n if (firstIdent.name === 'type') {\n specifierTypeKind = 'type';\n } else if (firstIdent.name === 'typeof') {\n specifierTypeKind = 'typeof';\n }\n }\n let isBinding =

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false;\n\n if (this.isContextual("\as\") && !this.isLookaheadContextual("\as\")) {\n const as_ident =
this.parseIdentifier(true);\n\n if (specifierTypeKind !== null && !this.match(types.name) &&
!this.state.type.keyword) {\n specifier.imported = as_ident;\n specifier.importKind =
specifierTypeKind;\n specifier.local = as_ident.__clone();\n } else {\n specifier.imported =
firstIdent;\n specifier.importKind = null;\n specifier.local = this.parseIdentifier();\n } } else if
(specifierTypeKind !== null && (this.match(types.name) || this.state.type.keyword))
{\n specifier.imported = this.parseIdentifier(true);\n specifier.importKind = specifierTypeKind;\n\n if
(this.eatContextual("\as\")) {\n specifier.local = this.parseIdentifier();\n } else {\n isBinding = true;\n specifier.local = specifier.imported.__clone();\n } } else {\n if (firstIdent.type ===
"StringLiteral") {\n throw this.raise(specifier.start, ErrorMessages.ImportBindingIsString, firstIdent.value);\n }\n\n isBinding = true;\n specifier.imported = firstIdent;\n specifier.importKind = null;\n specifier.local = specifier.imported.__clone();\n }\n\n const nodeIsTypeImport =
hasTypeImportKind(node);\n const specifierIsTypeImport = hasTypeImportKind(specifier);\n\n if
(nodeIsTypeImport && specifierIsTypeImport) {\n this.raise(firstIdentLoc,
FlowErrors.ImportTypeShorthandOnlyInPureImport);\n }\n\n if (nodeIsTypeImport
|| specifierIsTypeImport) {\n this.checkReservedType(specifier.local.name, specifier.local.start, true);\n }\n\n if (isBinding && !nodeIsTypeImport && !specifierIsTypeImport) {\n
this.checkReservedWord(specifier.local.name, specifier.start, true, true);\n }\n\n this.checkLVal(specifier.local, BIND_LEXICAL, undefined, "import specifier");\n
node.specifiers.push(this.finishNode(specifier, "ImportSpecifier"));\n }\n\n parseFunctionParams(node,
allowModifiers) {\n const kind = node.kind;\n\n if (kind !== "get" && kind !== "set" &&
this.isRelational("<")) {\n node.typeParameters = this.flowParseTypeParameterDeclaration();\n }\n\n super.parseFunctionParams(node, allowModifiers);\n }\n\n parseVarId(decl, kind) {\n super.parseVarId(decl,
kind);\n\n if (this.match(types.colon)) {\n decl.id.typeAnnotation = this.flowParseTypeAnnotation();\n this.resetEndLocation(decl.id);\n }\n }\n\n parseAsyncArrowFromCallExpression(node, call) {\n if (this.match(types.colon)) {\n const
oldNoAnonFunctionType = this.state.noAnonFunctionType;\n this.state.noAnonFunctionType = true;\n node.returnType = this.flowParseTypeAnnotation();\n this.state.noAnonFunctionType =
oldNoAnonFunctionType;\n }\n\n return super.parseAsyncArrowFromCallExpression(node, call);\n }\n\n shouldParseAsyncArrow() {\n return this.match(types.colon) || super.shouldParseAsyncArrow();\n }\n\n parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n var _jsx;\n\n let state =
null;\n let jsx;\n\n if (this.hasPlugin("jsx") && (this.match(types.jsxTagStart) || this.isRelational("<"))) {\n
 state = this.state.clone();\n jsx = this.tryParse(() => super.parseMaybeAssign(refExpressionErrors,
afterLeftParse, refNeedsArrowPos), state);\n if (!jsx.error) return jsx.node;\n const
{\n context\n } = this.state;\n\n if (context[context.length - 1] === types.$1.j_oTag) {\n
context.length -= 2;\n } else if (context[context.length - 1] === types.$1.j_expr) {\n context.length -= 1;\n }\n\n if (((_jsx = jsx) == null ? void 0 : _jsx.error) || this.isRelational("<")) {\n var _jsx2,
_jsx3;\n\n state = state || this.state.clone();\n let typeParameters;\n const arrow = this.tryParse(abort =>
{\n var _arrowExpression$extr;\n\n typeParameters = this.flowParseTypeParameterDeclaration();\n const arrowExpression = this.forwardNoArrowParamsConversionAt(typeParameters, () => {\n const result =
super.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos);\n this.resetStartLocationFromNode(result, typeParameters);\n return result;\n });\n\n if
(arrowExpression.type !== "ArrowFunctionExpression"
&& ((_arrowExpression$extr = arrowExpression.extra) == null ? void 0 : _arrowExpression$extr.parenthesized))
{\n abort();\n }\n\n const expr = this.maybeUnwrapTypeCastExpression(arrowExpression);\n expr.typeParameters = typeParameters;\n this.resetStartLocationFromNode(expr, typeParameters);\n return arrowExpression;\n }, state);\n let arrowExpression = null;\n\n if (arrow.node &&
this.maybeUnwrapTypeCastExpression(arrow.node).type === "ArrowFunctionExpression") {\n if

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(!arrow.error && !arrow.aborted) {\n if (arrow.node.async) {\n this.raise(typeParameters.start,\nFlowErrors.UnexpectedTypeParameterBeforeAsyncArrowFunction);\n }\n return arrow.node;\n }\n\n arrowExpression = arrow.node;\n }\n if ((_jsx2 = jsx) == null ? void 0 : _jsx2.node) {\n this.state = jsx.failState;\n return jsx.node;\n }\n\n if (arrowExpression) {\n this.state = arrow.failState;\n return arrowExpression;\n }\n\n if ((_jsx3 = jsx) == null ? void 0 : _jsx3.thrown) throw jsx.error;\n if (arrow.thrown) throw arrow.error;\n throw this.raise(typeParameters.start, FlowErrors.UnexpectedTokenAfterTypeParameter);\n}\n\nreturn\nsuper.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos);\n}\n\nparseArrow(node)\n{\n if (this.match(types.colon)) {\n const result = this.tryParse(() => {\n const\noldNoAnonFunctionType = this.state.noAnonFunctionType;\n this.state.noAnonFunctionType = true;\n const typeNode = this.startNode();\n [typeNode.typeAnnotation, node.predicate] =\nthis.flowParseTypeAndPredicateInitialiser();\n this.state.noAnonFunctionType = oldNoAnonFunctionType;\n if (this.canInsertSemicolon()) this.unexpected();\n if (!this.match(types.arrow)) this.unexpected();\n return typeNode;\n });\n if (result.thrown) return null;\n if (result.error) this.state =\nresult.failState;\n node.returnType = result.node.typeAnnotation ? this.finishNode(result.node,\n\"TypeAnnotation\") : null;\n }\n return super.parseArrow(node);\n}\n\nshouldParseArrow() {\n return this.match(types.colon) || super.shouldParseArrow();\n}\n\nsetArrowFunctionParameters(node, params)\n{\n if (this.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {\n node.params = params;\n }\n else {\n super.setArrowFunctionParameters(node, params);\n }\n}\n\ncheckParams(node,\nallowDuplicates, isArrowFunction) {\n if (isArrowFunction &&\nthis.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {\n return;\n }\n return\nsuper.checkParams(...arguments);\n}\n\nparseParenAndDistinguishExpression(canBeArrow) {\n return\nsuper.parseParenAndDistinguishExpression(canBeArrow\n&& this.state.noArrowAt.indexOf(this.state.start) === -1);\n}\n\nparseSubscripts(base, startPos, startLoc,\nnoCalls) {\n if (base.type === \"Identifier\" && base.name === \"async\" &&\nthis.state.noArrowAt.indexOf(startPos) !== -1) {\n this.next();\n const node = this.startNodeAt(startPos,\nstartLoc);\n node.callee = base;\n node.arguments = this.parseCallExpressionArguments(types.parenR,\nfalse);\n base = this.finishNode(node, \"CallExpression\");\n } else if (base.type === \"Identifier\" &&\nbase.name === \"async\" && this.isRelational(\"<\")) {\n const state = this.state.clone();\n const arrow =\nthis.tryParse(abort => this.parseAsyncArrowWithTypeParameters(startPos, startLoc) || abort(), state);\n if\n(!arrow.error && !arrow.aborted) return arrow.node;\n const result = this.tryParse(() =>\nsuper.parseSubscripts(base, startPos, startLoc, noCalls), state);\n if (result.node\n&& !result.error) return result.node;\n if (arrow.node) {\n this.state = arrow.failState;\n return\narrow.node;\n }\n if (result.node) {\n this.state = result.failState;\n return\nresult.node;\n }\n throw arrow.error || result.error;\n }\n return super.parseSubscripts(base, startPos, startLoc,\nnoCalls);\n}\n\nparseSubscript(base, startPos, startLoc, noCalls, subscriptState) {\n if\n(this.match(types.questionDot) && this.isLookaheadToken_lt()) {\n subscriptState.optionalChainMember =\ntrue;\n }\n if (noCalls) {\n subscriptState.stop = true;\n return base;\n }\n this.next();\n const node = this.startNodeAt(startPos, startLoc);\n node.callee = base;\n node.typeArguments =\nthis.flowParseTypeParameterInstantiation();\n this.expect(types.parenL);\n node.arguments =\nthis.parseCallExpressionArguments(types.parenR,\nfalse);\n node.optional = true;\n return this.finishCallExpression(node, true);\n} else if (!noCalls &&\nthis.shouldParseTypes() && this.isRelational(\"<\")) {\n const node = this.startNodeAt(startPos, startLoc);\n node.callee = base;\n const result = this.tryParse(() => {\n node.typeArguments =\nthis.flowParseTypeParameterInstantiationCallOrNew();\n this.expect(types.parenL);\n node.arguments =\nthis.parseCallExpressionArguments(types.parenR, false);\n if (subscriptState.optionalChainMember)\nnode.optional = false;\n return this.finishCallExpression(node, subscriptState.optionalChainMember);\n });\n if (result.node) {\n if (result.error) this.state = result.failState;\n return\nresult.node;\n }\n}

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 }\n return super.parseSubscript(base, startPos, startLoc, noCalls, subscriptState);\n }\n\n parseNewArguments(node) {\n let targs = null;\n\n if (this.shouldParseTypes() && this.isRelational("<")) {\n targs = this.tryParse() =>\n this.flowParseTypeParameterInstantiationCallOrNew().node;\n }\n\n node.typeArguments = targs;\n super.parseNewArguments(node);\n }\n\n parseAsyncArrowWithTypeParameters(startPos, startLoc) {\n const node = this.startNodeAt(startPos, startLoc);\n this.parseFunctionParams(node);\n if\n (!this.parseArrow(node)) return;\n return this.parseArrowExpression(node, undefined, true);\n }\n\n readToken_mult_modulo(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n if (code === 42\n && next === 47 && this.state.hasFlowComment) {\n this.state.hasFlowComment = false;\n this.state.pos\n += 2;\n this.nextToken();\n return;\n }\n super.readToken_mult_modulo(code);\n }\n\n readToken_pipe_amp(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n if (code === 124\n &&\n next === 125) {\n this.finishOp(types.braceBarR, 2);\n return;\n }\n super.readToken_pipe_amp(code);\n }\n\n parseTopLevel(file, program) {\n const fileNode =\n super.parseTopLevel(file, program);\n if (this.state.hasFlowComment) {\n this.raise(this.state.pos,\n FlowErrors.UnterminatedFlowComment);\n }\n return fileNode;\n }\n\n skipBlockComment() {\n if\n (this.hasPlugin("flowComments") && this.skipFlowComment()) {\n if (this.state.hasFlowComment) {\n this.unexpected(null, FlowErrors.NestedFlowComment);\n }\n this.hasFlowCommentCompletion();\n this.state.pos += this.skipFlowComment();\n this.state.hasFlowComment = true;\n return;\n }\n if\n (this.state.hasFlowComment) {\n const end = this.input.indexOf("*/", this.state.pos + 2);\n if (end ===\n -1) {\n throw this.raise(this.state.pos - 2, ErrorMessages.UnterminatedComment);\n }\n this.state.pos = end + 3;\n return;\n }\n super.skipBlockComment();\n }\n\n skipFlowComment() {\n const {\n pos\n } = this.state;\n let shiftToFirstNonWhiteSpace = 2;\n while ([32, 9].includes(this.input.charCodeAt(pos + shiftToFirstNonWhiteSpace))) {\n shiftToFirstNonWhiteSpace++;\n }\n const ch2 = this.input.charCodeAt(shiftToFirstNonWhiteSpace +\n pos);\n const ch3 = this.input.charCodeAt(shiftToFirstNonWhiteSpace + pos + 1);\n if (ch2 === 58 && ch3\n === 58) {\n return shiftToFirstNonWhiteSpace + 2;\n }\n if\n (this.input.slice(shiftToFirstNonWhiteSpace + pos, shiftToFirstNonWhiteSpace + pos + 12)\n === "flow-include")\n {\n return shiftToFirstNonWhiteSpace + 12;\n }\n if (ch2 === 58 && ch3 !== 58) {\n return\n shiftToFirstNonWhiteSpace;\n }\n return false;\n }\n\n hasFlowCommentCompletion() {\n const end\n = this.input.indexOf("*/",\n this.state.pos);\n if (end === -1) {\n throw this.raise(this.state.pos,\n ErrorMessages.UnterminatedComment);\n }\n flowEnumErrorBooleanMemberNotInitialized(pos, {\n enumName,\n memberName\n }) {\n this.raise(pos, FlowErrors.EnumBooleanMemberNotInitialized,\n memberName, enumName);\n }\n flowEnumErrorInvalidMemberName(pos, {\n enumName,\n memberName\n }) {\n const suggestion = memberName[0].toUpperCase() + memberName.slice(1);\n this.raise(pos, FlowErrors.EnumInvalidMemberName, memberName, suggestion, enumName);\n }\n flowEnumErrorDuplicateMemberName(pos, {\n enumName,\n memberName\n }) {\n this.raise(pos,\n FlowErrors.EnumDuplicateMemberName, memberName, enumName);\n }\n flowEnumErrorInconsistentMemberValues(pos, {\n enumName\n }) {\n this.raise(pos,\n FlowErrors.EnumInconsistentMemberValues, enumName);\n }\n flowEnumErrorInvalidExplicitType(pos, {\n enumName,\n suppliedType\n }) {\n return this.raise(pos, suppliedType === null ?\n FlowErrors.EnumInvalidExplicitTypeUnknownSupplied : FlowErrors.EnumInvalidExplicitType,\n enumName,\n suppliedType);\n }\n flowEnumErrorInvalidMemberInitializer(pos, {\n enumName,\n explicitType,\n memberName\n }) {\n let message = null;\n switch (explicitType) {\n case "boolean":\n case\n "number":\n case "string":\n message = FlowErrors.EnumInvalidMemberInitializerPrimaryType;\n break;\n case "symbol":\n message = FlowErrors.EnumInvalidMemberInitializerSymbolType;\n break;\n default:\n message = FlowErrors.EnumInvalidMemberInitializerUnknownType;\n }\n }\n }\n}

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return this.raise(pos, message, enumName, memberName, explicitType);\n }\n\n flowEnumErrorNumberMemberNotInitialized(pos, {\n enumName,\n memberName\n }) {\n this.raise(pos, FlowErrors.EnumNumberMemberNotInitialized,\n enumName, memberName);\n }\n\n flowEnumErrorStringMemberInconsistentlyInitailized(pos, {\n enumName\n }) {\n this.raise(pos, FlowErrors.EnumStringMemberInconsistentlyInitailized, enumName);\n }\n\n flowEnumMemberInit() {\n const startPos = this.state.start;\n const endOfInit = () =>\n this.match(types.comma) || this.match(types.braceR);\n\n switch (this.state.type) {\n case types.num:\n {\n const literal = this.parseLiteral(this.state.value, \"NumericLiteral\");\n if (endOfInit()) {\n return {\n type: \"number\", \n pos: literal.start, \n value: literal\n };\n }\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n case types.string:\n {\n const literal = this.parseLiteral(this.state.value, \"StringLiteral\");\n if (endOfInit()) {\n return {\n type: \"string\", \n pos: literal.start, \n value: literal\n };\n }\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n case types._true:\n case types._false:\n {\n const literal = this.parseBooleanLiteral();\n if (endOfInit()) {\n return {\n type: \"boolean\", \n pos: literal.start, \n value: literal\n };\n }\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n default:\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n }\n\n flowEnumMemberRaw() {\n const pos = this.state.start;\n const id = this.parseIdentifier(true);\n const init = this.eat(types.eq) ? this.flowEnumMemberInit() : {\n type: \"none\", \n pos\n };\n return {\n id, \n init\n };\n }\n\n flowEnumCheckExplicitTypeMismatch(pos, context, expectedType) {\n const {\n explicitType\n } = context;\n if (explicitType === null) {\n return;\n }\n if (explicitType !== expectedType) {\n this.flowEnumErrorInvalidMemberInitializer(pos, context);\n }\n }\n\n flowEnumMembers({\n enumName,\n explicitType\n }) {\n const seenNames = new Set();\n const members = {\n booleanMembers: [],\n numberMembers: [],\n stringMembers: [],\n defaultedMembers: []\n };\n while (!this.match(types.braceR)) {\n const memberNode = this.startNode();\n const {\n id, \n init\n } = this.flowEnumMemberRaw();\n const memberName = id.name;\n if (memberName === \"\") {\n continue;\n }\n if (/^[a-z]/.test(memberName)) {\n this.flowEnumErrorInvalidMemberName(id.start, {\n enumName,\n memberName\n });\n }\n if (seenNames.has(memberName)) {\n this.flowEnumErrorDuplicateMemberName(id.start, {\n enumName,\n memberName\n });\n seenNames.add(memberName);\n const context = {\n enumName,\n explicitType,\n memberName\n };\n memberNode.id = id;\n switch (init.type) {\n case \"boolean\":\n {\n this.flowEnumCheckExplicitTypeMismatch(init.pos, context, \"boolean\");\n memberNode.init = init.value;\n members.booleanMembers.push(this.finishNode(memberNode, \"EnumBooleanMember\"));\n break;\n }\n case \"number\":\n {\n this.flowEnumCheckExplicitTypeMismatch(init.pos, context, \"number\");\n memberNode.init = init.value;\n members.numberMembers.push(this.finishNode(memberNode, \"EnumNumberMember\"));\n break;\n }\n case \"string\":\n {\n this.flowEnumCheckExplicitTypeMismatch(init.pos, context, \"string\");\n memberNode.init = init.value;\n members.stringMembers.push(this.finishNode(memberNode, \"EnumStringMember\"));\n break;\n }\n case \"invalid\":\n {\n throw this.flowEnumErrorInvalidMemberInitializer(init.pos, context);\n }\n case \"none\":\n {\n switch (explicitType) {\n case \"boolean\":\n this.flowEnumErrorBooleanMemberNotInitialized(init.pos, context);\n break;\n case \"number\":\n this.flowEnumErrorNumberMemberNotInitialized(init.pos, context);\n break;\n default:\n members.defaultedMembers.push(this.finishNode(memberNode, \"EnumDefaultedMember\"));\n }\n }\n }\n }\n }\n }\n}

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}\n }\n\n if (!this.match(types.braceR)) {\n this.expect(types.comma);\n }\n }\n\n return members;\n}\n\nflowEnumStringMembers(initializedMembers, defaultedMembers, {\n enumName\n}) {\n if (initializedMembers.length === 0) {\n return defaultedMembers;\n } else if (defaultedMembers.length === 0) {\n return initializedMembers;\n } else if (defaultedMembers.length > initializedMembers.length) {\n for (let _i = 0; _i < initializedMembers.length; _i++) {\n const member = initializedMembers[_i];\n this.flowEnumErrorStringMemberInconsistentlyInitailized(member.start, {\n enumName\n });\n }\n return defaultedMembers;\n } else {\n for (let _i2 = 0; _i2 < defaultedMembers.length; _i2++) {\n const member = defaultedMembers[_i2];\n this.flowEnumErrorStringMemberInconsistentlyInitailized(member.start, {\n enumName\n });\n }\n return initializedMembers;\n }\n}\n\nflowEnumParseExplicitType({\n enumName\n}) {\n if (this.eatContextual("\of")) {\n if (!this.match(types.name)) {\n throw this.flowEnumErrorInvalidExplicitType(this.state.start, {\n enumName,\n suppliedType: null\n });\n }\n const {\n value\n } = this.state;\n this.next();\n if (value !== "\boolean" && value !== "\number" && value !== "\string" && value !== "\symbol") {\n this.flowEnumErrorInvalidExplicitType(this.state.start, {\n enumName,\n suppliedType: value\n });\n }\n return value;\n }\n return null;\n}\n\nflowEnumBody(node, {\n enumName,\n nameLoc\n}) {\n const explicitType = this.flowEnumParseExplicitType({\n enumName\n });\n this.expect(types.braceL);\n const members = this.flowEnumMembers({\n enumName,\n explicitType\n });\n switch (explicitType) {\n case "\boolean":\n node.explicitType = true;\n node.members = members.booleanMembers;\n this.expect(types.braceR);\n return this.finishNode(node, "\EnumBooleanBody");\n case "\number":\n node.explicitType = true;\n node.members = members.numberMembers;\n this.expect(types.braceR);\n return this.finishNode(node, "\EnumNumberBody");\n case "\string":\n node.explicitType = true;\n node.members = this.flowEnumStringMembers(members.stringMembers, members.defaultedMembers, {\n enumName\n });\n this.expect(types.braceR);\n return this.finishNode(node, "\EnumStringBody");\n case "\symbol":\n node.members = members.defaultedMembers;\n this.expect(types.braceR);\n return this.finishNode(node, "\EnumSymbolBody");\n default:\n {\n const empty = () => {\n node.members = [];\n this.expect(types.braceR);\n return this.finishNode(node, "\EnumStringBody");\n };\n node.explicitType = false;\n const boolsLen = members.booleanMembers.length;\n const numsLen = members.numberMembers.length;\n const strLen = members.stringMembers.length;\n const defaultedLen = members.defaultedMembers.length;\n if (!boolsLen && !numsLen && !strLen && !defaultedLen) {\n return empty();\n } else if (!boolsLen && !numsLen) {\n node.members = this.flowEnumStringMembers(members.stringMembers, members.defaultedMembers, {\n enumName\n });\n this.expect(types.braceR);\n return this.finishNode(node, "\EnumStringBody");\n } else if (!numsLen && !strLen && boolsLen >= defaultedLen) {\n for (let _i3 = 0, _members$defaultedMem = members.defaultedMembers; _i3 < _members$defaultedMem.length; _i3++) {\n const member = _members$defaultedMem[_i3];\n this.flowEnumErrorBooleanMemberNotInitialized(member.start, {\n enumName,\n memberName: member.id.name\n });\n }\n node.members = members.booleanMembers;\n this.expect(types.braceR);\n return this.finishNode(node, "\EnumBooleanBody");\n } else if (!boolsLen && !strLen && numsLen >= defaultedLen) {\n for (let _i4 = 0, _members$defaultedMem2 = members.defaultedMembers; _i4 < _members$defaultedMem2.length; _i4++) {\n const member = _members$defaultedMem2[_i4];\n this.flowEnumErrorNumberMemberNotInitialized(member.start, {\n enumName,\n memberName: member.id.name\n });\n }\n node.members = members.numberMembers;\n this.expect(types.braceR);\n return this.finishNode(node,

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"EnumNumberBody\");\n } else {\n this.flowEnumErrorInconsistentMemberValues(nameLoc, {\n enumName\n });\n return empty();\n }\n }\n }\n\n flowParseEnumDeclaration(node) {\n const id = this.parseIdentifier();\n node.id = id;\n node.body =\n this.flowEnumBody(this.startNode(), {\n enumName: id.name,\n nameLoc: id.start\n });\n return\n this.finishNode(node, "EnumDeclaration");\n }\n\n updateContext(prevType) {\n if (this.match(types.name)\n && this.state.value === "of")\n && prevType === types.name && this.input.slice(this.state.lastTokStart, this.state.lastTokEnd) === "interface")\n {\n this.state.exprAllowed = false;\n } else {\n super.updateContext(prevType);\n }\n }\n\n isLookaheadToken_ltr() {\n const next = this.nextTokenStart();\n if (this.input.charCodeAt(next) === 60)\n {\n const afterNext = this.input.charCodeAt(next + 1);\n return afterNext !== 60 && afterNext !== 61;\n }\n return false;\n }\n\n maybeUnwrapTypeCastExpression(node) {\n return node.type ===\n "TypeCastExpression" ? node.expression : node;\n }\n\n }, _temp;\n});\n\nconst entities = {\n quot:\n "\\u0022",\n amp: "&",\n apos: "\\u0027",\n lt: "<",\n gt: ">",\n nbsp: "\\u00A0",\n iexcl: "\\u00A1",\n cent: "\\u00A2",\n pound: "\\u00A3",\n curr: "\\u00A4",\n yen: "\\u00A5",\n brvbar: "\\u00A6",\n sect: "\\u00A7",\n uml: "\\u00A8",\n copy: "\\u00A9",\n ordf: "\\u00AA",\n laquo: "\\u00AB",\n not: "\\u00AC",\n shy: "\\u00AD",\n reg: "\\u00AE",\n macr: "\\u00AF",\n deg: "\\u00B0",\n plusmn: "\\u00B1",\n sup2: "\\u00B2",\n sup3: "\\u00B3",\n acute: "\\u00B4",\n micro: "\\u00B5",\n para: "\\u00B6",\n middot: "\\u00B7",\n cedil: "\\u00B8",\n sup1: "\\u00B9",\n ordm: "\\u00BA",\n raquo: "\\u00BB",\n frac14: "\\u00BC",\n frac12: "\\u00BD",\n frac34: "\\u00BE",\n iquest: "\\u00BF",\n Agrave: "\\u00C0",\n Aacute: "\\u00C1",\n Acirc: "\\u00C2",\n Atilde: "\\u00C3",\n Auml: "\\u00C4",\n Aring: "\\u00C5",\n AElig: "\\u00C6",\n Ccedil: "\\u00C7",\n Egrave: "\\u00C8",\n Eacute: "\\u00C9",\n Ecirc: "\\u00CA",\n Euml: "\\u00CB",\n Igrave: "\\u00CC",\n Iacute: "\\u00CD",\n Icirc: "\\u00CE",\n Iuml: "\\u00CF",\n ETH: "\\u00D0",\n Ntilde: "\\u00D1",\n Ograve: "\\u00D2",\n Oacute: "\\u00D3",\n Ocirc: "\\u00D4",\n Otilde: "\\u00D5",\n Ouml: "\\u00D6",\n times: "\\u00D7",\n Oslash: "\\u00D8",\n Ugrave: "\\u00D9",\n Uacute: "\\u00DA",\n Ucirc: "\\u00DB",\n Uuml: "\\u00DC",\n Yacute: "\\u00DD",\n THORN: "\\u00DE",\n szlig: "\\u00DF",\n agrave: "\\u00E0",\n aacute: "\\u00E1",\n acirc: "\\u00E2",\n atilde: "\\u00E3",\n auml: "\\u00E4",\n aring: "\\u00E5",\n aelig: "\\u00E6",\n ccedil: "\\u00E7",\n egrave: "\\u00E8",\n eacute: "\\u00E9",\n ecirc: "\\u00EA",\n euml: "\\u00EB",\n igrave: "\\u00EC",\n iacute: "\\u00ED",\n icirc: "\\u00EE",\n iuml: "\\u00EF",\n eth: "\\u00F0",\n ntilde: "\\u00F1",\n ograve: "\\u00F2",\n oacute: "\\u00F3",\n ocirc: "\\u00F4",\n otilde: "\\u00F5",\n ouml: "\\u00F6",\n divide: "\\u00F7",\n oslash: "\\u00F8",\n ugrave: "\\u00F9",\n uacute: "\\u00FA",\n ucirc: "\\u00FB",\n uuml: "\\u00FC",\n yacute: "\\u00FD",\n thorn: "\\u00FE",\n yuml: "\\u00FF",\n OElig: "\\u0152",\n oelig: "\\u0153",\n Scaron: "\\u0160",\n scaron: "\\u0161",\n Yuml: "\\u0178",\n fnof: "\\u0192",\n circ: "\\u02C6",\n tilde: "\\u02DC",\n Alpha: "\\u0391",\n Beta: "\\u0392",\n Gamma: "\\u0393",\n Delta: "\\u0394",\n Epsilon: "\\u0395",\n Zeta: "\\u0396",\n Eta: "\\u0397",\n Theta: "\\u0398",\n Iota: "\\u0399",\n Kappa: "\\u039A",\n Lambda: "\\u039B",\n Mu: "\\u039C",\n Nu: "\\u039D",\n Xi: "\\u039E",\n Omicron: "\\u039F",\n Pi: "\\u03A0",\n Rho: "\\u03A1",\n Sigma: "\\u03A3",\n Tau: "\\u03A4",\n Upsilon: "\\u03A5",\n Phi: "\\u03A6",\n Chi: "\\u03A7",\n Psi: "\\u03A8",\n Omega: "\\u03A9",\n alpha: "\\u03B1",\n beta: "\\u03B2",\n gamma: "\\u03B3",\n delta: "\\u03B4",\n epsilon: "\\u03B5",\n zeta: "\\u03B6",\n eta: "\\u03B7",\n theta: "\\u03B8",\n iota: "\\u03B9",\n kappa: "\\u03BA",\n lambda: "\\u03BB",\n mu: "\\u03BC",\n nu: "\\u03BD",\n xi: "\\u03BE",\n omicron: "\\u03BF",\n pi: "\\u03C0",\n rho: "\\u03C1",\n sigmaf: "\\u03C2",\n sigma: "\\u03C3",\n tau: "\\u03C4",\n upsilon: "\\u03C5",\n phi: "\\u03C6",\n chi: "\\u03C7",\n psi: "\\u03C8",\n omega: "\\u03C9",\n thetasym: "\\u03D1",\n upsih: "\\u03D2",\n piv: "\\u03D6",\n enspace: "\\u2002",\n emspace: "\\u2003",\n thinspace: "\\u2009",\n zwj: "\\u200D",\n lrm: "\\u200E",\n rlm: "\\u200F",\n ndash: "\\u2013",\n mdash: "\\u2014",\n lsquo: "\\u2018",\n rsquo: "\\u2019",\n sbquo: "\\u201A",\n ldquo: "\\u201C",\n rdquo: "\\u201D",\n bdquo: "\\u201E",\n dagger: "\\u2020",\n Dagger:

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jsxReadNewLine(normalizeCRLF) {\n const ch = this.input.charCodeAtAt(this.state.pos);\n let out;\n ++this.state.pos;\n if (ch === 13 &&\n this.input.charCodeAtAt(this.state.pos) === 10) {\n ++this.state.pos;\n out = normalizeCRLF ? "\\n\\n" :\n "\\r\\n\\n";\n } else {\n out = String.fromCharCode(ch);\n }\n ++this.state.curLine;\n this.state.lineStart =\n this.state.pos;\n return out;\n}\n\njsxReadString(quote) {\n let out = "";\n let chunkStart =\n ++this.state.pos;\n for (;;) {\n if (this.state.pos >= this.length) {\n throw this.raise(this.state.start,\n ErrorMessages.UnterminatedString);\n }\n const ch = this.input.charCodeAtAt(this.state.pos);\n if (ch ===\n quote) break;\n if (ch === 38) {\n out += this.input.slice(chunkStart, this.state.pos);\n out +=\n this.jsxReadEntity();\n chunkStart = this.state.pos;\n } else if (isNewLine(ch)) {\n out +=\n this.input.slice(chunkStart, this.state.pos);\n out += this.jsxReadNewLine(false);\n chunkStart =\n this.state.pos;\n } else {\n ++this.state.pos;\n }\n }\n out += this.input.slice(chunkStart, this.state.pos++);\n return this.finishToken(types.string, out);\n}\n\njsxReadEntity() {\n let str = "";\n let count = 0;\n let entity;\n let ch = this.input[this.state.pos];\n const startPos = ++this.state.pos;\n while (this.state.pos < this.length && count++ < 10) {\n ch =\n this.input[this.state.pos++];\n if (ch === ";" || "\n") {\n if (str[0] === "#") {\n if (str[1] === "x") {\n str = str.substr(2);\n if (HEX_NUMBER.test(str)) {\n entity = String.fromCodePoint(parseInt(str,\n 16));\n } else {\n str = str.substr(1);\n if (DECIMAL_NUMBER.test(str)) {\n entity = String.fromCodePoint(parseInt(str, 10));\n }\n } else {\n entity = entities[str];\n }\n break;\n }\n str += ch;\n }\n if (!entity) {\n this.state.pos\n = startPos;\n return "&";\n }\n return entity;\n }\n }\n jsxReadWord() {\n let ch;\n const start =\n this.state.pos;\n do {\n ch = this.input.charCodeAtAt(++this.state.pos);\n } while (isIdentifierChar(ch) || ch\n === 45);\n return this.finishToken(types.jsxName, this.input.slice(start, this.state.pos));\n }\n\n jsxParseIdentifier() {\n const node = this.startNode();\n if (this.match(types.jsxName)) {\n node.name =\n this.state.value;\n } else if (this.state.type.keyword) {\n node.name = this.state.type.keyword;\n } else {\n this.unexpected();\n }\n this.next();\n return this.finishNode(node, "JSXIdentifier");\n }\n\n jsxParseNamespacedName() {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const\n name = this.jsxParseIdentifier();\n if (!this.eat(types.colon)) return name;\n const node =\n this.startNodeAt(startPos, startLoc);\n node.namespace = name;\n node.name\n = this.jsxParseIdentifier();\n return this.finishNode(node, "JSXNamespacedName");\n }\n\n jsxParseElementName() {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n let node =\n this.jsxParseNamespacedName();\n if (node.type === "JSXNamespacedName") {\n return node;\n }\n while (this.eat(types.dot)) {\n const newNode = this.startNodeAt(startPos, startLoc);\n newNode.object =\n node;\n newNode.property = this.jsxParseIdentifier();\n node = this.finishNode(newNode,\n "JSXMemberExpression");\n }\n return node;\n }\n\n jsxParseAttributeValue() {\n let node;\n switch\n (this.state.type) {\n case types.braceL:\n node = this.startNode();\n this.next();\n node =\n this.jsxParseExpressionContainer(node);\n if (node.expression.type === "JSXEmptyExpression") {\n this.raise(node.start, JsxErrors.AttributeIsEmpty);\n }\n return node;\n case types.jsxTagStart:\n case types.string:\n return this.parseExprAtom();\n default:\n throw\n this.raise(this.state.start, JsxErrors.UnsupportedJsxValue);\n }\n }\n\n jsxParseEmptyExpression() {\n const\n node = this.startNodeAt(this.state.lastTokEnd, this.state.lastTokEndLoc);\n return this.finishNodeAt(node,\n "JSXEmptyExpression", this.state.start, this.state.startLoc);\n }\n\n jsxParseSpreadChild(node) {\n this.next();\n node.expression = this.parseExpression();\n this.expect(types.braceR);\n return this.finishNode(node,\n "JSXSpreadChild");\n }\n\n jsxParseExpressionContainer(node) {\n if (this.match(types.braceR)) {\n node.expression = this.jsxParseEmptyExpression();\n } else {\n node.expression = this.parseExpression();\n }\n this.expect(types.braceR);\n return this.finishNode(node, "JSXExpressionContainer");\n }\n\n jsxParseAttribute() {\n const node = this.startNode();\n if (this.eat(types.braceL))\n {\n this.expect(types.ellipsis);\n node.argument = this.parseMaybeAssignAllowIn();\n this.expect(types.braceR);\n return this.finishNode(node, "JSXSpreadAttribute");\n }\n node.name =

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this.jsxParseNamespacedName();\n node.value = this.eat(types.eq) ? this.jsxParseAttributeValue() : null;\n return this.finishNode(node, \"JSXAttribute\");\n}\n\njsxParseOpeningElementAt(startPos, startLoc) {\n const\n node = this.startNodeAt(startPos, startLoc);\n if (this.match(types.jsxTagEnd)) {\n this.expect(types.jsxTagEnd);\n return this.finishNode(node, \"JSXOpeningFragment\");\n }\n node.name =\n this.jsxParseElementName();\n return this.jsxParseOpeningElementAfterName(node);\n}\n\njsxParseOpeningElementAfterName(node) {\n const attributes = [];\n while (!this.match(types.slash) &&\n !this.match(types.jsxTagEnd)) {\n attributes.push(this.jsxParseAttribute());\n }\n node.attributes =\n attributes;\n\n node.selfClosing = this.eat(types.slash);\n this.expect(types.jsxTagEnd);\n return this.finishNode(node,\n \"JSXOpeningElement\");\n}\n\njsxParseClosingElementAt(startPos, startLoc) {\n const node =\n this.startNodeAt(startPos, startLoc);\n if (this.match(types.jsxTagEnd)) {\n this.expect(types.jsxTagEnd);\n return this.finishNode(node, \"JSXClosingFragment\");\n }\n node.name = this.jsxParseElementName();\n this.expect(types.jsxTagEnd);\n return this.finishNode(node, \"JSXClosingElement\");\n}\n\njsxParseElementAt(startPos, startLoc) {\n const node = this.startNodeAt(startPos, startLoc);\n const children =\n [];\n const openingElement = this.jsxParseOpeningElementAt(startPos, startLoc);\n let closingElement =\n null;\n if (!openingElement.selfClosing) {\n contents: for (;;) {\n switch (this.state.type) {\n case\n types.jsxTagStart:\n startPos = this.state.start;\n startLoc = this.state.startLoc;\n this.next();\n if (this.eat(types.slash)) {\n closingElement =\n this.jsxParseClosingElementAt(startPos, startLoc);\n break contents;\n }\n children.push(this.jsxParseElementAt(startPos, startLoc));\n break;\n case types.jsxText:\n children.push(this.parseExprAtom());\n break;\n case types.braceL:\n {\n const node =\n this.startNode();\n this.next();\n if (this.match(types.ellipsis)) {\n children.push(this.jsxParseSpreadChild(node));\n } else {\n children.push(this.jsxParseExpressionContainer(node));\n }\n break;\n }\n default:\n throw this.unexpected();\n }\n }\n if (isFragment(openingElement) &&\n !isFragment(closingElement)) {\n this.raise(closingElement.start, JsxErrors.MissingClosingTagFragment);\n }\n } else if (!isFragment(openingElement) && isFragment(closingElement)) {\n this.raise(closingElement.start, JsxErrors.MissingClosingTagElement,\n getQualifiedJSXName(openingElement.name));\n } else if (!isFragment(openingElement) &&\n !isFragment(closingElement)) {\n if (getQualifiedJSXName(closingElement.name) !==\n getQualifiedJSXName(openingElement.name)) {\n this.raise(closingElement.start,\n JsxErrors.MissingClosingTagElement, getQualifiedJSXName(openingElement.name));\n }\n }\n if (isFragment(openingElement)) {\n node.openingFragment = openingElement;\n node.closingFragment =\n closingElement;\n } else {\n node.openingElement = openingElement;\n node.closingElement =\n closingElement;\n }\n node.children = children;\n if (this.isRelational(\"<\")) {\n throw\n this.raise(this.state.start, JsxErrors.UnwrappedAdjacentJSXElements);\n }\n return\n isFragment(openingElement)\n ? this.finishNode(node, \"JSXFragment\") : this.finishNode(node, \"JSXElement\");\n }\n}\n\njsxParseElement() {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n this.next();\n return\n this.jsxParseElementAt(startPos, startLoc);\n}\n\nparseExprAtom(refExpressionErrors) {\n if\n (this.match(types.jsxText)) {\n return this.parseLiteral(this.state.value, \"JSXText\");\n } else if\n (this.match(types.jsxTagStart)) {\n return this.jsxParseElement();\n } else if (this.isRelational(\"<\") &&\n this.input.charCodeAtAt(this.state.pos) !== 33) {\n this.finishToken(types.jsxTagStart);\n return\n this.jsxParseElement();\n } else {\n return super.parseExprAtom(refExpressionErrors);\n }\n}\n\ngetTokenFromCode(code) {\n if (this.state.inPropertyName) return super.getTokenFromCode(code);\n const\n context = this.curContext();\n if (context === types$1.j_expr) {\n return this.jsxReadToken();\n }\n if (context === types$1.j_oTag || context === types$1.j_cTag) {\n if (isIdentifierStart(code)) {\n return\n this.jsxReadWord();\n }\n if (code === 62) {\n ++this.state.pos;\n return

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this.finishToken(types.jsxTagEnd);\n }\n\n if ((code === 34 || code === 39) && context === types$1.j_oTag)\n {\n return this.jsxReadString(code);\n }\n\n if (code === 60 && this.state.exprAllowed &&\nthis.input.charCodeAt(this.state.pos + 1) !== 33) {\n ++this.state.pos;\n return\nthis.finishToken(types.jsxTagStart);\n }\n\n return super.getTokenFromCode(code);\n}\n\nupdateContext(prevType) {\n if (this.match(types.braceL)) {\n const curContext = this.curContext();\n\n if\n(curContext === types$1.j_oTag) {\n this.state.context.push(types$1.braceExpression);\n } else if\n(curContext === types$1.j_expr) {\n this.state.context.push(types$1.templateQuasi);\n } else {\n super.updateContext(prevType);\n\n this.state.exprAllowed = true;\n }\n } else if (this.match(types.slash) && prevType ===\ntypes.jsxTagStart) {\n this.state.context.length -= 2;\n this.state.context.push(types$1.j_cTag);\n\n this.state.exprAllowed = false;\n } else {\n return super.updateContext(prevType);\n }\n}\n\nconstructor(flags) {\n this.flags = void 0;\n this.var = [];\n this.lexical = [];\n this.functions = [];\n this.flags = flags;\n}\n\nclass ScopeHandler {\n constructor(raise, inModule) {\n this.scopeStack = [];\n this.undefinedExports = new Map();\n this.undefinedPrivateNames = new Map();\n this.raise = raise;\n this.inModule = inModule;\n }\n\n get inFunction() {\n return (this.currentVarScope().flags &\nSCOPE_FUNCTION) > 0;\n }\n\n get allowSuper() {\n return (this.currentThisScope().flags & SCOPE_SUPER)\n> 0;\n }\n\n get allowDirectSuper() {\n return (this.currentThisScope().flags\n& SCOPE_DIRECT_SUPER) > 0;\n }\n\n get inClass() {\n return (this.currentThisScope().flags &\nSCOPE_CLASS) > 0;\n }\n\n get inNonArrowFunction() {\n return (this.currentThisScope().flags &\nSCOPE_FUNCTION) > 0;\n }\n\n get treatFunctionsAsVar() {\n return\nthis.treatFunctionsAsVarInScope(this.currentScope());\n }\n\n createScope(flags) {\n return new Scope(flags);\n }\n\n enter(flags) {\n this.scopeStack.push(this.createScope(flags));\n }\n\n exit() {\n this.scopeStack.pop();\n }\n\n treatFunctionsAsVarInScope(scope) {\n return !(scope.flags & SCOPE_FUNCTION || !this.inModule &&\nscope.flags & SCOPE_PROGRAM);\n }\n\n declareName(name, bindingType, pos) {\n let scope =\nthis.currentScope();\n\n if (bindingType & BIND_SCOPE_LEXICAL || bindingType &\nBIND_SCOPE_FUNCTION) {\n this.checkRedeclarationInScope(scope, name, bindingType, pos);\n\n if\n(bindingType & BIND_SCOPE_FUNCTION) {\n scope.functions.push(name);\n } else {\n scope.lexical.push(name);\n }\n\n if (bindingType & BIND_SCOPE_LEXICAL) {\n this.maybeExportDefined(scope, name);\n }\n } else if (bindingType & BIND_SCOPE_VAR) {\n for (let i\n= this.scopeStack.length - 1; i >= 0; --i) {\n scope = this.scopeStack[i];\n\n this.checkRedeclarationInScope(scope, name, bindingType, pos);\n scope.var.push(name);\n\n this.maybeExportDefined(scope, name);\n\n if (scope.flags & SCOPE_VAR) break;\n }\n\n if\n(this.inModule && scope.flags & SCOPE_PROGRAM) {\n this.undefinedExports.delete(name);\n }\n\n maybeExportDefined(scope, name) {\n if (this.inModule && scope.flags & SCOPE_PROGRAM) {\n this.undefinedExports.delete(name);\n }\n }\n\n checkRedeclarationInScope(scope, name, bindingType, pos) {\n if (this.isRedeclaredInScope(scope, name, bindingType)) {\n this.raise(pos, ErrorMessages.VarRedeclaration,\nname);\n }\n }\n\n isRedeclaredInScope(scope,\nname, bindingType) {\n if (!(bindingType & BIND_KIND_VALUE)) return false;\n\n if (bindingType &\nBIND_SCOPE_LEXICAL) {\n return scope.lexical.indexOf(name) > -1 || scope.functions.indexOf(name) > -1 ||\nscope.var.indexOf(name) > -1;\n }\n\n if (bindingType & BIND_SCOPE_FUNCTION) {\n return\nscope.lexical.indexOf(name) > -1 || !this.treatFunctionsAsVarInScope(scope) && scope.var.indexOf(name) > -1;\n }\n\n return scope.lexical.indexOf(name) > -1 && !(scope.flags & SCOPE_SIMPLE_CATCH &&\nscope.lexical[0] === name) || !this.treatFunctionsAsVarInScope(scope) && scope.functions.indexOf(name) > -1;\n }\n\n checkLocalExport(id) {\n if (this.scopeStack[0].lexical.indexOf(id.name) === -1 &&\nthis.scopeStack[0].var.indexOf(id.name) === -1 && this.scopeStack[0].functions.indexOf(id.name) === -1) {\n this.undefinedExports.set(id.name, id.start);\n }\n }\n\n currentScope() {\n return\nthis.scopeStack[this.scopeStack.length - 1];\n }\n\n currentVarScope()
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 {\n for (let i = this.scopeStack.length - 1;; i--) {\n const scope = this.scopeStack[i];\n\n if (scope.flags &
SCOPE_VAR) {\n return scope;\n }\n }\n }\n currentThisScope() {\n for (let i =
this.scopeStack.length - 1;; i--) {\n const scope = this.scopeStack[i];\n\n if ((scope.flags & SCOPE_VAR ||
scope.flags & SCOPE_CLASS) && !(scope.flags & SCOPE_ARROW)) {\n return scope;\n }\n }\n }\n}\n\nclass TypeScriptScope extends Scope {\n constructor(...args) {\n super(...args);\n this.types = [];\n this.enums = [];\n this.constEnums = [];\n this.classes = [];\n this.exportOnlyBindings = [];\n }\n}\n\nclass
TypeScriptScopeHandler extends ScopeHandler {\n createScope(flags) {\n return new TypeScriptScope(flags);\n }\n declareName(name, bindingType, pos) {\n const scope = this.currentScope();\n\n if (bindingType &
BIND_FLAGS_TS_EXPORT_ONLY) {\n this.maybeExportDefined(scope, name);\n scope.exportOnlyBindings.push(name);\n }\n\n return;\n }\n super.declareName(...arguments);\n\n if (bindingType & BIND_KIND_TYPE) {\n if
(! (bindingType & BIND_KIND_VALUE)) {\n this.checkRedeclarationInScope(scope, name, bindingType,
pos);\n this.maybeExportDefined(scope, name);\n }\n\n scope.types.push(name);\n }\n if
(bindingType & BIND_FLAGS_TS_ENUM) scope.enums.push(name);\n if (bindingType &
BIND_FLAGS_TS_CONST_ENUM) scope.constEnums.push(name);\n if (bindingType &
BIND_FLAGS_CLASS) scope.classes.push(name);\n }\n isRedeclaredInScope(scope, name, bindingType) {\n
if (scope.enums.indexOf(name) > -1) {\n if (bindingType & BIND_FLAGS_TS_ENUM) {\n const isConst =
!!(bindingType & BIND_FLAGS_TS_CONST_ENUM);\n const wasConst =
scope.constEnums.indexOf(name) > -1;\n return isConst !== wasConst;\n }\n return true;\n }\n if
(bindingType & BIND_FLAGS_CLASS && scope.classes.indexOf(name) >
-1) {\n if (scope.lexical.indexOf(name) > -1) {\n return !(bindingType & BIND_KIND_VALUE);\n }
else {\n return false;\n }\n }\n if (bindingType & BIND_KIND_TYPE && scope.types.indexOf(name)
> -1) {\n return true;\n }\n return super.isRedeclaredInScope(...arguments);\n }\n checkLocalExport(id)
{\n if (this.scopeStack[0].types.indexOf(id.name) === -1 &&
this.scopeStack[0].exportOnlyBindings.indexOf(id.name) === -1) {\n super.checkLocalExport(id);\n }\n }\n}\n\nconst PARAM = 0b0000,\n PARAM_YIELD = 0b0001,\n PARAM_AWAIT = 0b0010,\n
PARAM_RETURN = 0b0100,\n PARAM_IN = 0b1000;\nclass ProductionParameterHandler {\n constructor()
{\n this.stacks = [];\n }\n enter(flags) {\n this.stacks.push(flags);\n }\n exit() {\n this.stacks.pop();\n }\n currentFlags() {\n return this.stacks[this.stacks.length - 1];\n }\n get hasAwait() {\n return
(this.currentFlags() & PARAM_AWAIT) > 0;\n }\n get hasYield() {\n return (this.currentFlags() & PARAM_YIELD) > 0;\n }\n get hasReturn() {\n
return (this.currentFlags() & PARAM_RETURN) > 0;\n }\n get hasIn() {\n return (this.currentFlags() &
PARAM_IN) > 0;\n }\n}\n\nfunction functionFlags(isAsync, isGenerator) {\n return (isAsync ? PARAM_AWAIT
: 0) | (isGenerator ? PARAM_YIELD : 0);\n}\n\nfunction nonNull(x) {\n if (x == null) {\n throw new
Error(`Unexpected ${x} value.`);\n }\n return x;\n}\n\nfunction assert(x) {\n if (!x) {\n throw new
Error(`Assert fail`);\n }\n}\n\nconst TSErrors = Object.freeze({\n ClassMethodHasDeclare: `Class methods
cannot have the 'declare' modifier`,\n  ClassMethodHasReadonly: `Class methods cannot have the 'readonly'
modifier`,\n  ConstructorHasTypeParameters: `Type parameters cannot appear on a constructor declaration`,\n
DeclareClassFieldHasInitializer: `Initializers are not allowed in ambient contexts`,\n DeclareFunctionHasImplementation: `An implementation
cannot be declared in ambient contexts`,\n  DuplicateModifier: `Duplicate modifier: '%0'`,\n  EmptyHeritageClauseType: `'%0' list cannot be empty`,\n  EmptyTypeArguments: `Type argument list cannot be
empty`,\n  EmptyTypeParameters: `Type parameter list cannot be empty`,\n  IndexSignatureHasAbstract: `Index
signatures cannot have the 'abstract' modifier`,\n  IndexSignatureHasAccessibility: `Index signatures
cannot have an accessibility modifier ('%0')`,\n  IndexSignatureHasStatic: `Index signatures cannot have the 'static'
modifier`,\n  IndexSignatureHasDeclare: `Index signatures cannot have the 'declare' modifier`,\n  InvalidTupleMemberLabel: `Tuple members must be labeled with a simple identifier`,\n  MixedLabeledAndUnlabeledElements: `Tuple members must all have names or all not have names`,\n});

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OptionalTypeBeforeRequired: \"A required element cannot follow an optional element.\",\n PatternIsOptional: \"A binding pattern parameter cannot be optional in an implementation signature.\",\n PrivateElementHasAbstract: \"Private elements cannot have the 'abstract' modifier.\",\n PrivateElementHasAccessibility: \"Private elements cannot have an accessibility modifier ('%0')\", \n TypeAnnotationAfterAssign: \"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`\",\n UnexpectedParameterModifier: \"A parameter property is only allowed in a constructor implementation.\",\n UnexpectedReadonly: \"'readonly' type modifier is only permitted on array and tuple literal types.\",\n UnexpectedTypeAnnotation: \"Did not expect a type annotation here.\",\n UnexpectedTypeCastInParameter: \"Unexpected type cast in parameter position.\",\n UnsupportedImportTypeArgument: \"Argument in a type import must be a string literal\", \n UnsupportedParameterPropertyKind: \"A parameter property may not be declared using a binding pattern.\",\n UnsupportedSignatureParameterKind: \"Name in a signature must be an Identifier, ObjectPattern or ArrayPattern, instead got %0\"});\n\nfunction keywordTypeFromName(value) {\n switch (value) {\n case \"any\":\n return \"TSAnyKeyword\";\n\n case \"boolean\":\n return \"TSBooleanKeyword\";\n\n case \"bigint\":\n return \"TSBigIntKeyword\";\n\n case \"never\":\n return \"TSNeverKeyword\";\n\n case \"number\":\n return \"TSNumberKeyword\";\n\n case \"object\":\n return \"TSObjectKeyword\";\n\n case \"string\":\n return \"TSStringKeyword\";\n\n case \"symbol\":\n return \"TSSymbolKeyword\";\n\n case \"undefined\":\n return \"TSUndefinedKeyword\";\n\n case \"unknown\":\n return \"TSUnknownKeyword\";\n\n default:\n return undefined;\n }\n}\n\nvar typescript = (superClass => class extends superClass {\n getScopeHandler() {\n return TypeScriptScopeHandler;\n }\n\n tsIsIdentifier() {\n return this.match(types.name);\n }\n\n tsNextTokenCanFollowModifier() {\n this.next();\n return !this.hasPrecedingLineBreak() && !this.match(types.parenL) && !this.match(types.parenR) && !this.match(types.colon) && !this.match(types.eq) && !this.match(types.question) && !this.match(types.bang);\n }\n\n tsParseModifier(allowedModifiers) {\n if (!this.match(types.name)) {\n return undefined;\n }\n\n const modifier = this.state.value;\n\n if (allowedModifiers.indexOf(modifier) !== -1 && this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this))) {\n return modifier;\n }\n\n return undefined;\n }\n\n tsParseModifiers(modified, allowedModifiers) {\n for (;;) {\n const startPos = this.state.start;\n const modifier = this.tsParseModifier(allowedModifiers);\n if (!modifier) break;\n\n if (Object.hasOwnProperty.call(modified, modifier)) {\n this.raise(startPos, TSErrors.DuplicateModifier, modifier);\n }\n\n modified[modifier] = true;\n }\n\n tsIsListTerminator(kind) {\n switch (kind) {\n case \"EnumMembers\":\n case \"TypeMembers\":\n return this.match(types.braceR);\n\n case \"HeritageClauseElement\":\n return this.match(types.braceL);\n\n case \"TupleElementTypes\":\n return this.match(types.bracketR);\n\n case \"TypeParametersOrArguments\":\n return this.isRelational(\">\");\n }\n\n throw new Error(\"Unreachable\");\n }\n\n tsParseList(kind, parseElement) {\n const result = [];\n\n while (!this.tsIsListTerminator(kind)) {\n result.push(parseElement());\n }\n\n return result;\n }\n\n tsParseDelimitedList(kind, parseElement) {\n return nonNull(this.tsParseDelimitedListWorker(kind, parseElement, true));\n }\n\n tsParseDelimitedListWorker(kind, parseElement, expectSuccess) {\n const result = [];\n\n for (;;) {\n if (this.tsIsListTerminator(kind)) {\n break;\n }\n\n const element = parseElement();\n\n if (element == null) {\n return undefined;\n }\n\n result.push(element);\n\n if (this.eat(types.comma)) {\n continue;\n }\n\n if (this.tsIsListTerminator(kind)) {\n break;\n }\n\n if (expectSuccess) {\n this.expect(types.comma);\n }\n\n return undefined;\n }\n\n return result;\n }\n\n tsParseBracketedList(kind, parseElement, bracket, skipFirstToken) {\n if (!skipFirstToken) {\n if (bracket) {\n this.expect(types.bracketL);\n }\n } else {\n this.expectRelational(\"<\");\n }\n }\n\n const result = this.tsParseDelimitedList(kind, parseElement);\n\n if (bracket) {\n this.expect(types.bracketR);\n }\n } else {\n this.expectRelational(\">\");\n }\n }\n\n return result;\n }\n\n tsParseImportType() {\n const node =



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tsParsePropertyOrMethodSignature(node, readonly) {\n if (this.eat(types.question)) node.optional = true;\n const\n nodeAny = node;\n if (!readonly\n && (this.match(types.parenL) || this.isRelational("<")))) {\n const method = nodeAny;\n this.tsFillSignature(types.colon, method);\n this.tsParseTypeMemberSemicolon();\n return\n this.finishNode(method, \"TSMMethodSignature\");\n } else {\n const property = nodeAny;\n if (readonly)\n property.readonly = true;\n const type = this.tsTryParseTypeAnnotation();\n if (type) property.typeAnnotation\n = type;\n this.tsParseTypeMemberSemicolon();\n return this.finishNode(property, \"TSPropertySignature\");\n }\n}\n\n tsParseTypeMember() {\n const node = this.startNode();\n if (this.match(types.parenL) ||\n this.isRelational("<")) {\n return this.tsParseSignatureMember(\"TSCallSignatureDeclaration\", node);\n }\n if (this.match(types._new)) {\n const id = this.startNode();\n this.next();\n if (this.match(types.parenL) ||\n this.isRelational("<")) {\n return this.tsParseSignatureMember(\"TSConstructSignatureDeclaration\", node);\n }\n } else {\n node.key = this.createIdentifier(id, \"new\");\n return\n this.tsParsePropertyOrMethodSignature(node, false);\n }\n}\n\n const readonly =\n !!this.tsParseModifier([\"readonly\"]);\n const idx = this.tsTryParseIndexSignature(node);\n if (idx) {\n if\n (readonly) node.readonly = true;\n return idx;\n }\n this.parsePropertyName(node, false);\n return\n this.tsParsePropertyOrMethodSignature(node, readonly);\n}\n\n tsParseTypeLiteral() {\n const node =\n this.startNode();\n node.members = this.tsParseObjectTypeMembers();\n return this.finishNode(node,\n \"TSTypeLiteral\");\n}\n\n tsParseObjectTypeMembers() {\n this.expect(types.braceL);\n const members =\n this.tsParseList(\"TypeMembers\", this.tsParseTypeMember.bind(this));\n this.expect(types.braceR);\n return\n members;\n}\n\n tsIsStartOfMappedType() {\n this.next();\n if (this.eat(types.plusMin)) {\n return\n this.isContextual(\"readonly\");\n }\n if (this.isContextual(\"readonly\")) {\n this.next();\n }\n if\n (!this.match(types.bracketL)) {\n return false;\n }\n this.next();\n if (!this.tsIsIdentifier()) {\n return\n false;\n }\n this.next();\n return this.match(types._in);\n}\n\n tsParseMappedTypeParameter() {\n const\n node = this.startNode();\n node.name = this.parseIdentifierName(node.start);\n node.constraint =\n this.tsExpectThenParseType(types._in);\n return this.finishNode(node, \"TSTypeParameter\");\n}\n\n tsParseMappedType() {\n const node = this.startNode();\n this.expect(types.braceL);\n if\n (this.match(types.plusMin)) {\n node.readonly = this.state.value;\n this.next();\n this.expectContextual(\"readonly\");\n } else if (this.eatContextual(\"readonly\")) {\n node.readonly = true;\n }\n this.expect(types.bracketL);\n node.typeParameter = this.tsParseMappedTypeParameter();\n node.nameType = this.eatContextual(\"as\") ? this.tsParseType() : null;\n this.expect(types.bracketR);\n if\n (this.match(types.plusMin)) {\n node.optional = this.state.value;\n this.next();\n this.expect(types.question);\n } else if (this.eat(types.question)) {\n node.optional = true;\n }\n node.typeAnnotation = this.tsTryParseType();\n this.semicolon();\n this.expect(types.braceR);\n return\n this.finishNode(node, \"TSMappedType\");\n}\n\n tsParseTupleType() {\n const node = this.startNode();\n node.elementTypes = this.tsParseBracketedList(\"TupleElementTypes\", this.tsParseTupleElementType.bind(this),\n true, false);\n let seenOptionalElement = false;\n let labeledElements = null;\n node.elementTypes.forEach(elementNode => {\n var _labeledElements;\n let {\n type\n } =\n elementNode;\n if (seenOptionalElement && type !== \"TSRestType\" && type !== \"TSOptionalType\" &&\n !(type === \"TSNamedTupleMember\"\n && elementNode.optional)) {\n this.raise(elementNode.start, TSErrors.OptionalTypeBeforeRequired);\n }\n seenOptionalElement = seenOptionalElement || type === \"TSNamedTupleMember\" &&\n elementNode.optional || type === \"TSOptionalType\";\n if (type === \"TSRestType\") {\n elementNode =\n elementNode.typeAnnotation;\n type = elementNode.type;\n }\n const isLabeled = type ===\n \"TSNamedTupleMember\";\n labeledElements = (_labeledElements = labeledElements) != null ?\n _labeledElements : isLabeled;\n if (labeledElements !== isLabeled) {\n this.raise(elementNode.start,\n TSErrors.MixedLabeledAndUnlabeledElements);\n }\n });\n return this.finishNode(node,\n \"TSTupleType\");\n}\n\n tsParseTupleElementType() {\n const {\n start: startPos,\n startLoc\n } =\n this.state;\n const rest = this.eat(types.ellipsis);\n let type = this.tsParseType();\n const optional =

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this.eat(types.question);\n
 const labeled = this.eat(types.colon);\n\n if (labeled) {\n const labeledNode = this.startNodeAtNode(type);\n labeledNode.optional = optional;\n\n if (type.type === \"TSReference\" && !type.typeParameters && type.typeName.type === \"Identifier\") {\n labeledNode.label = type.typeName;\n } else {\n this.raise(type.start, TSErrors.InvalidTupleMemberLabel);\n labeledNode.label = type;\n }\n\n labeledNode.elementType = this.tsParseType();\n type = this.finishNode(labeledNode, \"TSNamedTupleMember\");\n } else if (optional) {\n const optionalTypeNode = this.startNodeAtNode(type);\n optionalTypeNode.typeAnnotation = type;\n type = this.finishNode(optionalTypeNode, \"TSOptionalType\");\n }\n\n if (rest) {\n const restNode = this.startNodeAt(startPos, startLoc);\n restNode.typeAnnotation = type;\n type = this.finishNode(restNode, \"TSRestType\");\n }\n\n return type;\n}\n\n tsParseParenthesizedType() {\n const node = this.startNode();\n this.expect(types.parenL);\n node.typeAnnotation = this.tsParseType();\n this.expect(types.parenR);\n return this.finishNode(node, \"TSParenthesizedType\");\n }\n\n tsParseFunctionOrConstructorType(type) {\n const node = this.startNode();\n\n if (type === \"TSConstructorType\") {\n this.expect(types._new);\n }\n\n this.tsFillSignature(types.arrow, node);\n return this.finishNode(node, type);\n }\n\n tsParseLiteralTypeNode() {\n const node = this.startNode();\n node.literal = () => {\n switch (this.state.type) {\n case types.num:\n case types.bigint:\n case types.string:\n case types._true:\n case types._false:\n return this.parseExprAtom();\n default:\n throw this.unexpected();\n }\n }();\n return this.finishNode(node, \"TSLiteralType\");\n }\n\n tsParseTemplateLiteralType() {\n const node = this.startNode();\n node.literal = this.parseTemplate(false);\n return this.finishNode(node, \"TSLiteralType\");\n }\n\n parseTemplateSubstitution() {\n if (this.state.inType) return this.tsParseType();\n return super.parseTemplateSubstitution();\n }\n\n tsParseThisTypeOrThisTypePredicate() {\n const thisKeyword = this.tsParseThisTypeNode();\n\n if (this.isContextual(\"is\") && !this.hasPrecedingLineBreak()) {\n return this.tsParseThisTypePredicate(thisKeyword);\n } else {\n return thisKeyword;\n }\n }\n\n tsParseNonArrayType() {\n switch (this.state.type) {\n case types.name:\n case types._void:\n case types._null:\n {\n const type = this.match(types._void) ? \"TSVoidKeyword\" : this.match(types._null) ? \"TSNullKeyword\" : keywordTypeFromName(this.state.value);\n\n if (type !== undefined && this.lookaheadCharCode() !== 46) {\n const node = this.startNode();\n this.next();\n\n return this.finishNode(node, type);\n }\n\n return this.tsParseTypeReference();\n }\n case types.string:\n case types.num:\n case types.bigint:\n case types._true:\n case types._false:\n return this.tsParseLiteralTypeNode();\n case types.plusMin:\n if (this.state.value === \"-\") {\n const node = this.startNode();\n const nextToken = this.lookahead();\n\n if (nextToken.type !== types.num && nextToken.type !== types.bigint) {\n throw this.unexpected();\n }\n\n node.literal = this.parseMaybeUnary();\n return this.finishNode(node, \"TSLiteralType\");\n }\n break;\n case types._this:\n return this.tsParseThisTypeOrThisTypePredicate();\n case types._typeof:\n return this.tsParseTypeQuery();\n case types._import:\n return this.tsParseImportType();\n case types.braceL:\n return this.tsLookAhead(this.tsIsStartOfMappedType.bind(this)) ? this.tsParseMappedType() : this.tsParseTypeLiteral();\n case types.bracketL:\n return this.tsParseTupleType();\n case types.parenL:\n return this.tsParseParenthesizedType();\n case types.backQuote:\n return this.tsParseTemplateLiteralType();\n }\n\n throw this.unexpected();\n }\n\n tsParseArrayTypeOrHigher() {\n let type = this.tsParseNonArrayType();\n\n while (!this.hasPrecedingLineBreak() && this.eat(types.bracketL)) {\n if (this.match(types.bracketR)) {\n const node = this.startNodeAtNode(type);\n node.elementType = type;\n this.expect(types.bracketR);\n type = this.finishNode(node, \"TSArrayType\");\n } else {\n const node = this.startNodeAtNode(type);\n node.objectType = type;\n node.indexType = this.tsParseType();\n this.expect(types.bracketR);\n type = this.finishNode(node, \"TSIndexedAccessType\");\n }\n }\n }\n

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 }\n }\n\n return type;\n }\n\n tsParseTypeOperator(operator) {\n const node = this.startNode();\n this.expectContextual(operator);\n node.operator = operator;\n node.typeAnnotation =\n this.tsParseTypeOperatorOrHigher();\n\n if (operator === \"readonly\") {\n this.tsCheckTypeAnnotationForReadOnly(node);\n }\n\n return this.finishNode(node, \"TSTypeOperator\");\n}\n\n tsCheckTypeAnnotationForReadOnly(node) {\n switch (node.typeAnnotation.type) {\n case\n \"TSTupleType\":\n case \"TSArrayType\":\n return;\n\n default:\n this.raise(node.start,\n TSErrors.UnexpectedReadOnly);\n }\n}\n\n tsParseInferType() {\n const node = this.startNode();\n this.expectContextual(\"infer\");\n const typeParameter = this.startNode();\n typeParameter.name =\n this.parseIdentifierName(typeParameter.start);\n node.typeParameter = this.finishNode(typeParameter,\n \"TSTypeParameter\");\n return this.finishNode(node,\n \"TSInferType\");\n}\n\n tsParseTypeOperatorOrHigher() {\n const operator = [\"keyof\", \"unique\", \"readonly\"].find(kw => this.isContextual(kw));\n return operator ? this.tsParseTypeOperator(operator) :\n this.isContextual(\"infer\") ? this.tsParseInferType() : this.tsParseArrayTypeOrHigher();\n}\n\n tsParseUnionOrIntersectionType(kind, parseConstituentType, operator) {\n this.eat(operator);\n let type =\n parseConstituentType();\n\n if (this.match(operator)) {\n const types = [type];\n\n while (this.eat(operator)) {\n types.push(parseConstituentType());\n }\n\n const node = this.startNodeAtNode(type);\n node.types = types;\n type = this.finishNode(node, kind);\n }\n\n return type;\n}\n\n tsParseIntersectionTypeOrHigher() {\n return this.tsParseUnionOrIntersectionType(\"TSIntersectionType\", this.tsParseTypeOperatorOrHigher.bind(this), types.bitwiseAND);\n}\n\n tsParseUnionTypeOrHigher() {\n return this.tsParseUnionOrIntersectionType(\"TSUnionType\", this.tsParseIntersectionTypeOrHigher.bind(this), types.bitwiseOR);\n}\n\n tsIsStartOfFunctionType() {\n if (this.isRelational(\"<\")) {\n return true;\n }\n\n return this.match(types.parenL) &&\n this.tsLookAhead(this.tsIsUnambiguouslyStartOfFunctionType.bind(this));\n}\n\n tsSkipParameterStart() {\n if (this.match(types.name) || this.match(types._this)) {\n this.next();\n return true;\n }\n\n if (this.match(types.braceL)) {\n let braceStackCounter = 1;\n this.next();\n\n while (braceStackCounter > 0) {\n if (this.match(types.braceL)) {\n ++braceStackCounter;\n } else if (this.match(types.braceR)) {\n --braceStackCounter;\n }\n\n this.next();\n }\n\n return true;\n }\n\n if (this.match(types.bracketL)) {\n let braceStackCounter = 1;\n this.next();\n\n while (braceStackCounter > 0) {\n if (this.match(types.bracketL)) {\n ++braceStackCounter;\n } else if (this.match(types.bracketR)) {\n --braceStackCounter;\n }\n\n this.next();\n }\n\n return true;\n }\n\n return false;\n}\n\n tsIsUnambiguouslyStartOfFunctionType() {\n this.next();\n\n if (this.match(types.parenR) || this.match(types.ellipsis)) {\n return true;\n }\n\n if (this.tsSkipParameterStart()) {\n if (this.match(types.colon) || this.match(types.comma) || this.match(types.question) || this.match(types.eq)) {\n return true;\n }\n\n if (this.match(types.parenR)) {\n this.next();\n\n if (this.match(types.arrow)) {\n return true;\n }\n }\n\n return false;\n }\n}\n\n tsParseTypeOrTypePredicateAnnotation(returnToken) {\n return this.tsInType() => {\n const t = this.startNode();\n this.expect(returnToken);\n const asserts = !!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));\n\n if (asserts && this.match(types._this)) {\n let thisTypePredicate = this.tsParseThisTypeOrThisTypePredicate();\n\n if (thisTypePredicate.type === \"TSThisType\") {\n const node = this.startNodeAtNode(t);\n node.parameterName = thisTypePredicate;\n node.asserts = true;\n thisTypePredicate = this.finishNode(node, \"TSTypePredicate\");\n } else {\n thisTypePredicate.asserts = true;\n }\n\n t.typeAnnotation = thisTypePredicate;\n return this.finishNode(t, \"TSTypeAnnotation\");\n }\n\n const typePredicateVariable = this.tsIsIdentifier() &&\n this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));\n\n if (!typePredicateVariable) {\n if (!asserts) {\n return this.tsParseTypeAnnotation(false, t);\n }\n\n const node = this.startNodeAtNode(t);\n node.parameterName = this.parseIdentifier();\n node.asserts = asserts;\n t.typeAnnotation

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= this.finishNode(node, \"TSTypePredicate\");\n return this.finishNode(t, \"TSTypeAnnotation\");\n }\n\nconst type = this.tsParseTypeAnnotation(false);\nconst node = this.startNodeAtNode(t);\nnode.parameterName = typePredicateVariable;\nnode.typeAnnotation = type;\nnode.asserts = asserts;\nnode.typeAnnotation = this.finishNode(node, \"TSTypePredicate\");\nreturn this.finishNode(t,\n\"TSTypeAnnotation\");\n});\n}\n\n tsTryParseTypeOrTypePredicateAnnotation() {\n return\nthis.match(types.colon) ? this.tsParseTypeOrTypePredicateAnnotation(types.colon) : undefined;\n}\n\n tsTryParseTypeAnnotation() {\n return this.match(types.colon) ? this.tsParseTypeAnnotation() : undefined;\n}\n\n tsTryParseType() {\n return this.tsEatThenParseType(types.colon);\n}\n\n tsParseTypePredicatePrefix()\n{\n const id = this.parseIdentifier();\n\n if (this.isContextual(\"is\") && !this.hasPrecedingLineBreak()) {\n this.next();\n\n return id;\n }\n}\n\n tsParseTypePredicateAsserts() {\n if (!this.match(types.name) || this.state.value !==\n\"asserts\" || this.hasPrecedingLineBreak()) {\n return false;\n }\n\n const containsEsc =\nthis.state.containsEsc;\n this.next();\n\n if (!this.match(types.name) && !this.match(types._this)) {\n return\nfalse;\n }\n\n if (containsEsc) {\n this.raise(this.state.lastTokStart,\nErrorMessages.InvalidEscapedReservedWord, \"asserts\");\n }\n\n return true;\n}\n\n tsParseTypeAnnotation(eatColon = true, t = this.startNode()) {\n this.tsInType() => {\n if (eatColon)\nthis.expect(types.colon);\n t.typeAnnotation = this.tsParseType();\n });\n return this.finishNode(t,\n\"TSTypeAnnotation\");\n}\n\n tsParseType() {\n assert(this.state.inType);\n const type =\nthis.tsParseNonConditionalType();\n\n if (this.hasPrecedingLineBreak() || !this.eat(types._extends)) {\n return\ntype;\n }\n\n const node =\nthis.startNodeAtNode(type);\n node.checkType = type;\n node.extendsType =\nthis.tsParseNonConditionalType();\n this.expect(types.question);\n node.trueType = this.tsParseType();\n this.expect(types.colon);\n node.falseType = this.tsParseType();\n return this.finishNode(node,\n\"TSConditionalType\");\n}\n\n tsParseNonConditionalType() {\n if (this.tsIsStartOfFunctionType()) {\n return this.tsParseFunctionOrConstructorType(\"TSFunctionType\");\n }\n\n if (this.match(types._new)) {\n return this.tsParseFunctionOrConstructorType(\"TSConstructorType\");\n }\n\n return\nthis.tsParseUnionTypeOrHigher();\n}\n\n tsParseTypeAssertion() {\n const node = this.startNode();\n\n const\n_const = this.tsTryNextParseConstantContext();\n\n node.typeAnnotation = _const ||\nthis.tsNextThenParseType();\n this.expectRelational(\">\");\n node.expression = this.parseMaybeUnary();\n return this.finishNode(node, \"TSTypeAssertion\");\n}\n\n tsParseHeritageClause(descriptor)\n{\n const originalStart = this.state.start;\n const delimitedList =\nthis.tsParseDelimitedList(\"HeritageClauseElement\", this.tsParseExpressionWithTypeArguments.bind(this));\n\n if (!delimitedList.length) {\n this.raise(originalStart, TSErrors.EmptyHeritageClauseType, descriptor);\n }\n\n return delimitedList;\n}\n\n tsParseExpressionWithTypeArguments() {\n const node = this.startNode();\n\n node.expression = this.tsParseEntityName(false);\n\n if (this.isRelational(\"<\")) {\n node.typeParameters =\nthis.tsParseTypeArguments();\n }\n\n return this.finishNode(node, \"TSExpressionWithTypeArguments\");\n}\n\n tsParseInterfaceDeclaration(node) {\n node.id = this.parseIdentifier();\n this.checkLVal(node.id,\nBIND_TS_INTERFACE, undefined, \"typescript interface declaration\");\n node.typeParameters =\nthis.tsTryParseTypeParameters();\n\n if (this.eat(types._extends)) {\n node.extends =\nthis.tsParseHeritageClause(\"extends\");\n }\n\n }\n\n const body = this.startNode();\n body.body =\nthis.tsInType(this.tsParseObjectTypeMembers.bind(this));\n node.body = this.finishNode(body,\n\"TSInterfaceBody\");\n return this.finishNode(node, \"TSInterfaceDeclaration\");\n}\n\n tsParseTypeAliasDeclaration(node) {\n node.id = this.parseIdentifier();\n this.checkLVal(node.id,\nBIND_TS_TYPE, undefined, \"typescript type alias\");\n node.typeParameters =\nthis.tsTryParseTypeParameters();\n node.typeAnnotation = this.tsInType() => {\n this.expect(types.eq);\n\n if (this.isContextual(\"intrinsic\") && this.lookahead().type !== types.dot) {\n const node = this.startNode();\n\n this.next();\n\n return this.finishNode(node, \"TSIntrinsicKeyword\");\n }\n }\n\n return this.tsParseType();\n}

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});\n this.semicolon();\n return this.finishNode(node, \"TSTypeAliasDeclaration\");\n }\n\n tsInNoContext(cb)
{\n const oldContext = this.state.context;\n
 this.state.context = [oldContext[0]];\n\n try {\n return cb();\n } finally {\n this.state.context =
oldContext;\n }\n }\n\n tsInType(cb) {\n const oldInType = this.state.inType;\n this.state.inType = true;\n\n try {\n return cb();\n } finally {\n this.state.inType = oldInType;\n }\n }\n\n tsEatThenParseType(token)
{\n return !this.match(token) ? undefined : this.tsNextThenParseType();\n }\n\n tsExpectThenParseType(token)
{\n return this.tsDoThenParseType(() => this.expect(token));\n }\n\n tsNextThenParseType() {\n return
this.tsDoThenParseType(() => this.next());\n }\n\n tsDoThenParseType(cb) {\n return this.tsInType(() => {\n
cb();\n return this.tsParseType();\n });\n }\n\n tsParseEnumMember() {\n const node = this.startNode();\n
node.id = this.match(types.string) ? this.parseExprAtom() : this.parseIdentifier(true);\n\n if (this.eat(types.eq)) {\n
node.initializer = this.parseMaybeAssignAllowIn();\n
}\n\n return this.finishNode(node, \"TSEnumMember\");\n }\n\n tsParseEnumDeclaration(node, isConst) {\n
if (isConst) node.const = true;\n node.id = this.parseIdentifier();\n this.checkLVal(node.id, isConst ?
BIND_TS_CONST_ENUM : BIND_TS_ENUM, undefined, \"typescript enum declaration\");\n
this.expect(types.braceL);\n node.members = this.tsParseDelimitedList(\"EnumMembers\",
this.tsParseEnumMember.bind(this));\n this.expect(types.braceR);\n return this.finishNode(node,
\"TSEnumDeclaration\");\n }\n\n tsParseModuleBlock() {\n const node = this.startNode();\n
this.scope.enter(SCOPE_OTHER);\n this.expect(types.braceL);\n
this.parseBlockOrModuleBlockBody(node.body = [], undefined, true, types.braceR);\n this.scope.exit();\n return
this.finishNode(node, \"TSMModuleBlock\");\n }\n\n tsParseModuleOrNamespaceDeclaration(node, nested = false)
{\n node.id = this.parseIdentifier();\n\n if (!nested) {\n this.checkLVal(node.id,
BIND_TS_NAMESPACE, null, \"module or namespace declaration\");\n }\n\n if (this.eat(types.dot)) {\n
const inner = this.startNode();\n this.tsParseModuleOrNamespaceDeclaration(inner, true);\n node.body =
inner;\n } else {\n this.scope.enter(SCOPE_TS_MODULE);\n this.prodParam.enter(PARAM);\n
node.body = this.tsParseModuleBlock();\n this.prodParam.exit();\n this.scope.exit();\n }\n\n return
this.finishNode(node, \"TSMModuleDeclaration\");\n }\n\n tsParseAmbientExternalModuleDeclaration(node) {\n
if (this.isContextual(\"global\")) {\n node.global = true;\n node.id = this.parseIdentifier();\n } else if
(this.match(types.string)) {\n node.id = this.parseExprAtom();\n } else {\n this.unexpected();\n }\n\n if
(this.match(types.braceL)) {\n this.scope.enter(SCOPE_TS_MODULE);\n this.prodParam.enter(PARAM);\n
node.body = this.tsParseModuleBlock();\n this.prodParam.exit();\n this.scope.exit();\n
}\n\n } else {\n this.semicolon();\n }\n\n return this.finishNode(node, \"TSMModuleDeclaration\");\n }\n\n
tsParseImportEqualsDeclaration(node, isExport) {\n node.isExport = isExport || false;\n node.id =
this.parseIdentifier();\n this.checkLVal(node.id, BIND_LEXICAL, undefined, \"import equals declaration\");\n
this.expect(types.eq);\n node.moduleReference = this.tsParseModuleReference();\n this.semicolon();\n return
this.finishNode(node, \"TSImportEqualsDeclaration\");\n }\n\n tsIsExternalModuleReference() {\n return
this.isContextual(\"require\") && this.lookaheadCharCode() === 40;\n }\n\n tsParseModuleReference() {\n
return this.tsIsExternalModuleReference() ? this.tsParseExternalModuleReference() :
this.tsParseEntityName(false);\n }\n\n tsParseExternalModuleReference() {\n const node = this.startNode();\n
this.expectContextual(\"require\");\n this.expect(types.parenL);\n\n if (!this.match(types.string)) {\n throw
this.unexpected();\n }\n\n node.expression = this.parseExprAtom();\n this.expect(types.parenR);\n return
this.finishNode(node, \"TSExternalModuleReference\");\n }\n\n tsLookAhead(f) {\n const state =
this.state.clone();\n const res = f();\n this.state = state;\n return res;\n }\n\n tsTryParseAndCatch(f) {\n const
result = this.tryParse(abort => f() || abort());\n if (result.aborted || !result.node) return undefined;\n if
(result.error) this.state = result.failState;\n return result.node;\n }\n\n tsTryParse(f) {\n const state =
this.state.clone();\n const result = f();\n\n if (result !== undefined && result !== false) {\n return result;\n }
else {\n this.state = state;\n return undefined;\n }\n }\n\n tsTryParseDeclare(nany) {\n if
(this.isLineTerminator()) {\n return;\n }\n\n let starttype = this.state.type;\n let kind;\n\n if
(this.isContextual(\"let\")) {\n starttype = types._var;\n

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 kind = \"let\";\n }\n\n return this.tsInDeclareContext(() => {\n switch (starttype) {\n case
types._function:\n nany.declare = true;\n return this.parseFunctionStatement(nany, false, true);\n\n case types._class:\n nany.declare = true;\n return this.parseClass(nany, true, false);\n\n case
types._const:\n if (this.match(types._const) && this.isLookaheadContextual(\"enum\")) {\n this.expect(types._const);\n this.expectContextual(\"enum\");\n return
this.tsParseEnumDeclaration(nany, true);\n }\n\n case types._var:\n kind = kind || this.state.value;\n return this.parseVarStatement(nany, kind);\n\n case types.name:\n {\n const value =
this.state.value;\n\n if (value === \"global\") {\n return
this.tsParseAmbientExternalModuleDeclaration(nany);\n } else {\n return
this.tsParseDeclaration(nany,
value, true);\n }\n }\n\n }\n\n }\n\n }\n\n tsTryParseExportDeclaration() {\n return
this.tsParseDeclaration(this.startNode(), this.state.value, true);\n }\n\n tsParseExpressionStatement(node, expr) {\n switch (expr.name) {\n case \"declare\":\n {\n const declaration = this.tsTryParseDeclare(node);\n if (declaration) {\n declaration.declare = true;\n return declaration;\n }\n break;\n }\n\n case \"global\":\n if (this.match(types.braceL)) {\n this.scope.enter(SCOPE_TS_MODULE);\n this.prodParam.enter(PARAM);\n const mod = node;\n mod.global = true;\n mod.id = expr;\n mod.body = this.tsParseModuleBlock();\n this.scope.exit();\n this.prodParam.exit();\n return
this.finishNode(mod, \"TSMModuleDeclaration\");\n }\n\n break;\n\n default:\n return
this.tsParseDeclaration(node, expr.name, false);\n }\n }\n\n tsParseDeclaration(node, value, next) {\n switch (value) {\n case \"abstract\":\n if (this.tsCheckLineTerminatorAndMatch(types._class, next)) {\n const cls = node;\n cls.abstract = true;\n\n if (next) {\n this.next();\n }\n if
(!this.match(types._class)) {\n this.unexpected(null, types._class);\n }\n return
this.parseClass(cls, true, false);\n }\n\n break;\n\n case \"enum\":\n if (next ||
this.match(types.name)) {\n if (next) this.next();\n return this.tsParseEnumDeclaration(node, false);\n }\n\n break;\n\n case \"interface\":\n if (this.tsCheckLineTerminatorAndMatch(types.name, next)) {\n if (next) this.next();\n return this.tsParseInterfaceDeclaration(node);\n }\n\n break;\n\n case
\"module\":\n if (next) this.next();\n\n if (this.match(types.string)) {\n return
this.tsParseAmbientExternalModuleDeclaration(node);\n } else if
(this.tsCheckLineTerminatorAndMatch(types.name, next)) {\n return
this.tsParseModuleOrNamespaceDeclaration(node);\n }\n\n break;\n\n case \"namespace\":\n if
(this.tsCheckLineTerminatorAndMatch(types.name, next)) {\n if (next) this.next();\n return
this.tsParseModuleOrNamespaceDeclaration(node);\n }\n\n break;\n\n case \"type\":\n if
(this.tsCheckLineTerminatorAndMatch(types.name, next)) {\n if (next) this.next();\n return
this.tsParseTypeAliasDeclaration(node);\n }\n\n break;\n }\n }\n\n tsCheckLineTerminatorAndMatch(tokenType, next) {\n return (next || this.match(tokenType)) &&
!this.isLineTerminator();\n }\n\n tsTryParseGenericAsyncArrowFunction(startPos, startLoc) {\n if
(!this.isRelational(\"<\")) {\n return undefined;\n }\n\n const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n this.state.maybeInArrowParameters = true;\n const res = this.tsTryParseAndCatch(() => {\n const node =
this.startNodeAt(startPos, startLoc);\n node.typeParameters = this.tsParseTypeParameters();\n super.parseFunctionParams(node);\n node.returnType = this.tsTryParseTypeOrTypePredicateAnnotation();\n this.expect(types.arrow);\n return node;\n });\n this.state.maybeInArrowParameters =
oldMaybeInArrowParameters;\n\n if (!res) {\n return undefined;\n }\n\n return
this.parseArrowExpression(res, null, true);\n }\n\n tsParseTypeArguments() {\n const node = this.startNode();\n node.params = this.tsInType(() => this.tsInNoContext(() => {\n this.expectRelational(\"<\");\n return
this.tsParseDelimitedList(\"TypeParametersOrArguments\", this.tsParseType.bind(this));\n }));\n\n if
(node.params.length === 0) {\n

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 this.raise(node.start, TErrors.EmptyTypeArguments);\n }\n\n this.state.exprAllowed = false;\n this.expectRelational(">");\n return this.finishNode(node, "TSTypeParameterInstantiation");\n }\n\n tsIsDeclarationStart() {\n if (this.match(types.name)) {\n switch (this.state.value) {\n case "abstract":\n case "declare":\n case "enum":\n case "interface":\n case "module":\n case "namespace":\n case "type":\n return true;\n }\n }\n\n return false;\n }\n\n isExportDefaultSpecifier() {\n if (this.tsIsDeclarationStart()) return false;\n return super.isExportDefaultSpecifier();\n }\n\n parseAssignableListItem(allowModifiers, decorators) {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n let accessibility;\n let readonly = false;\n\n if (allowModifiers !== undefined) {\n accessibility = this.parseAccessModifier();\n readonly = !this.tsParseModifier(["readonly"]);}\n\n if (allowModifiers === false && (accessibility || readonly)) {\n this.raise(startPos, TErrors.UnexpectedParameterModifier);\n }\n\n const left = this.parseMaybeDefault();\n this.parseAssignableListItemTypes(left);\n const elt = this.parseMaybeDefault(left.start, left.loc.start, left);\n\n if (accessibility || readonly) {\n const pp = this.startNodeAt(startPos, startLoc);\n\n if (decorators.length) {\n pp.decorators = decorators;\n }\n\n if (accessibility) pp.accessibility = accessibility;\n if (readonly) pp.readonly = readonly;\n\n if (elt.type !== "Identifier" && elt.type !== "AssignmentPattern") {\n this.raise(pp.start, TErrors.UnsupportedParameterPropertyKind);\n }\n\n pp.parameter = elt;\n return this.finishNode(pp, "TSParameterProperty");\n }\n\n if (decorators.length) {\n left.decorators = decorators;\n }\n\n return elt;\n }\n\n parseFunctionBodyAndFinish(node, type, isMethod = false) {\n if (this.match(types.colon)) {\n node.returnType = this.tsParseTypeOrTypePredicateAnnotation(types.colon);\n }\n\n const bodilessType = type === "FunctionDeclaration" ? "TSDeclareFunction" : type === "ClassMethod" ? "TSDeclareMethod" : undefined;\n\n if (bodilessType && !this.match(types.braceL) && this.isLineTerminator()) {\n this.finishNode(node, bodilessType);\n return;\n }\n\n if (bodilessType === "TSDeclareFunction" && this.state.isDeclareContext) {\n this.raise(node.start, TErrors.DeclareFunctionHasImplementation);\n\n if (node.declare) {\n super.parseFunctionBodyAndFinish(node, bodilessType, isMethod);\n return;\n }\n\n super.parseFunctionBodyAndFinish(node, type, isMethod);\n }\n\n registerFunctionStatementId(node) {\n if (!node.body && node.id) {\n this.checkLVal(node.id, BIND_TS_AMBIENT, null, "function name");\n } else {\n super.registerFunctionStatementId(...arguments);\n }\n }\n\n tsCheckForInvalidTypeCasts(items) {\n items.forEach(node => {\n if ((node == null ? void 0 : node.type) === "TSTypeCastExpression") {\n this.raise(node.typeAnnotation.start, TErrors.UnexpectedTypeAnnotation);\n }\n });\n }\n\n toReferencedList(exprList, isInParens) {\n this.tsCheckForInvalidTypeCasts(exprList);\n return exprList;\n }\n\n parseArrayLike(...args) {\n const node = super.parseArrayLike(...args);\n\n if (node.type === "ArrayExpression") {\n this.tsCheckForInvalidTypeCasts(node.elements);\n }\n\n return node;\n }\n\n parseSubscript(base, startPos, startLoc, noCalls, state) {\n if (!this.hasPrecedingLineBreak() && this.match(types.bang)) {\n this.state.exprAllowed = false;\n this.next();\n const nonNullExpression = this.startNodeAt(startPos, startLoc);\n nonNullExpression.expression = base;\n return this.finishNode(nonNullExpression, "TSNonNullExpression");\n }\n\n if (this.isRelational("<")) {\n const result = this.tsTryParseAndCatch(() => {\n if (!noCalls && this.atPossibleAsyncArrow(base)) {\n const asyncArrowFn = this.tsTryParseGenericAsyncArrowFunction(startPos, startLoc);\n\n if (asyncArrowFn) {\n return asyncArrowFn;\n }\n }\n\n const node = this.startNodeAt(startPos, startLoc);\n node.callee = base;\n const typeArguments = this.tsParseTypeArguments();\n\n if (typeArguments) {\n if (!noCalls && this.eat(types.parenL)) {\n node.arguments = this.parseCallExpressionArguments(types.parenR, false);\n\n this.tsCheckForInvalidTypeCasts(node.arguments);\n node.typeParameters = typeArguments;\n return this.finishCallExpression(node, state.optionalChainMember);\n }\n } else if (this.match(types.backQuote)) {\n const result = this.parseTaggedTemplateExpression(base, startPos, startLoc, state);\n result.typeParameters = typeArguments;\n return result;\n }\n }\n }\n\n this.unexpected();\n });\n if (result) return

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result;\n }\n\n return super.parseSubscript(base, startPos, startLoc, noCalls, state);\n }\n\n parseNewArguments(node) {\n if (this.isRelational("<")) {\n const typeParameters =\n this.tsTryParseAndCatch(() => {\n const args = this.tsParseTypeArguments();\n if\n (!this.match(types.parenL)) this.unexpected();\n return args;\n });\n if (typeParameters) {\n node.typeParameters = typeParameters;\n }\n }\n super.parseNewArguments(node);\n }\n\n parseExprOp(left, leftStartPos, leftStartLoc, minPrec) {\n if (nonNull(types._in.binop) > minPrec &&\n !this.hasPrecedingLineBreak() && this.isContextual("<as>")) {\n const node = this.startNodeAt(leftStartPos,\n leftStartLoc);\n node.expression\n = left;\n const _const = this.tsTryNextParseConstantContext();\n if (_const) {\n node.typeAnnotation\n = _const;\n } else {\n node.typeAnnotation = this.tsNextThenParseType();\n }\n this.finishNode(node, "TSAsExpression");\n this.reScan_lt_gt();\n return this.parseExprOp(node,\n leftStartPos, leftStartLoc, minPrec);\n }\n return super.parseExprOp(left, leftStartPos, leftStartLoc,\n minPrec);\n }\n\n checkReservedWord(word, startLoc, checkKeywords, isBinding) {\n }\n\n checkDuplicateExports() {\n }\n\n parseImport(node) {\n if (this.match(types.name) || this.match(types.star) ||\n this.match(types.braceL)) {\n const ahead = this.lookahead();\n if (this.match(types.name) && ahead.type\n === types.eq) {\n return this.tsParseImportEqualsDeclaration(node);\n }\n if (this.isContextual("<type>")\n && ahead.type !== types.comma && !(ahead.type === types.name && ahead.value === "<from>")) {\n node.importKind\n = "<type>";\n this.next();\n }\n if (!node.importKind) {\n node.importKind = "<value>";\n }\n const importNode = super.parseImport(node);\n if (importNode.importKind === "<type>" &&\n importNode.specifiers.length > 1 && importNode.specifiers[0].type === "<ImportDefaultSpecifier>") {\n this.raise(importNode.start, "A type-only import can specify a default import or named bindings, but not both.");\n }\n return importNode;\n }\n\n parseExport(node) {\n if (this.match(types._import)) {\n this.expect(types._import);\n return this.tsParseImportEqualsDeclaration(node, true);\n } else if\n (this.eat(types.eq)) {\n const assign = node;\n assign.expression = this.parseExpression();\n this.semicolon();\n return this.finishNode(assign, "TSEExportAssignment");\n } else if\n (this.eatContextual("<as>")) {\n const decl = node;\n this.expectContextual("<namespace>");\n decl.id =\n this.parseIdentifier();\n this.semicolon();\n return this.finishNode(decl, "TSNamespaceExportDeclaration");\n } else {\n if\n (this.isContextual("<type>") && this.lookahead().type === types.braceL) {\n this.next();\n node.exportKind\n = "<type>";\n } else {\n node.exportKind = "<value>";\n }\n return super.parseExport(node);\n }\n }\n\n isAbstractClass() {\n return this.isContextual("<abstract>") && this.lookahead().type === types._class;\n }\n\n parseExportDefaultExpression() {\n if (this.isAbstractClass()) {\n const cls = this.startNode();\n this.next();\n this.parseClass(cls, true, true);\n cls.abstract = true;\n return cls;\n }\n if (this.state.value\n === "<interface>") {\n const result = this.tsParseDeclaration(this.startNode(), this.state.value, true);\n if (result)\n return result;\n }\n return super.parseExportDefaultExpression();\n }\n\n parseStatementContent(context,\n topLevel) {\n if (this.state.type === types._const) {\n const ahead = this.lookahead();\n if (ahead.type\n === types.name && ahead.value === "<enum>") {\n const node = this.startNode();\n this.expect(types._const);\n this.expectContextual("<enum>");\n return this.tsParseEnumDeclaration(node,\n true);\n }\n }\n return super.parseStatementContent(context, topLevel);\n }\n\n parseAccessModifier() {\n return this.tsParseModifier(["<public>", "<protected>", "<private>"]); \n }\n\n parseClassMember(classBody, member,\n state) {\n this.tsParseModifiers(member, ["<declare>"]); \n const accessibility = this.parseAccessModifier();\n if (accessibility)\n member.accessibility = accessibility;\n this.tsParseModifiers(member, ["<declare>"]); \n const\n callParseClassMember = () => {\n super.parseClassMember(classBody, member, state);\n }\n if\n (member.declare) {\n this.tsInDeclareContext(callParseClassMember);\n }\n else {\n callParseClassMember();\n }\n }\n\n parseClassMemberWithIsStatic(classBody, member, state,\n isStatic) {\n this.tsParseModifiers(member, ["<abstract>", "<readonly>", "<declare>"]); \n const idx =\n this.tsTryParseIndexSignature(member);\n if (idx) {\n classBody.body.push(idx);\n }\n if (member.abstract)

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{\n this.raise(member.start, TSErrors.IndexSignatureHasAbstract);\n }\n\n if (isStatic) {\n this.raise(member.start, TSErrors.IndexSignatureHasStatic);\n }\n\n if (member.accessibility) {\n this.raise(member.start, TSErrors.IndexSignatureHasAccessibility, member.accessibility);\n }\n\n if (member.declare) {\n this.raise(member.start, TSErrors.IndexSignatureHasDeclare);\n }\n\n return;\n}\n\nsuper.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n}\n\nparsePostMemberNameModifiers(methodOrProp) {\n const optional = this.eat(types.question);\n if (optional) methodOrProp.optional = true;\n\n if (methodOrProp.readonly && this.match(types.parenL)) {\n this.raise(methodOrProp.start, TSErrors.ClassMethodHasReadonly);\n }\n\n if (methodOrProp.declare && this.match(types.parenL)) {\n this.raise(methodOrProp.start, TSErrors.ClassMethodHasDeclare);\n }\n}\n\n\nparseExpressionStatement(node, expr) {\n const decl = expr.type === \"Identifier\" ? this.tsParseExpressionStatement(node, expr) : undefined;\n return decl || super.parseExpressionStatement(node, expr);\n}\n\n\nshouldParseExportDeclaration() {\n if (this.tsIsDeclarationStart()) return true;\n return super.shouldParseExportDeclaration();\n}\n\n\nparseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n if (!refNeedsArrowPos || !this.match(types.question)) {\n return super.parseConditional(expr, startPos, startLoc, refNeedsArrowPos);\n }\n\n const result = this.tryParse(() => super.parseConditional(expr, startPos, startLoc));\n\n if (!result.node) {\n refNeedsArrowPos.start = result.error.pos || this.state.start;\n return expr;\n }\n\n if (result.error) this.state = result.failState;\n return result.node;\n}\n\n\nparseParenItem(node, startPos, startLoc) {\n node = super.parseParenItem(node, startPos, startLoc);\n\n if (this.eat(types.question)) {\n node.optional = true;\n this.resetEndLocation(node);\n }\n\n if (this.match(types.colon)) {\n const typeCastNode = this.startNodeAt(startPos, startLoc);\n typeCastNode.expression = node;\n typeCastNode.typeAnnotation = this.tsParseTypeAnnotation();\n return this.finishNode(typeCastNode, \"TSTypeCastExpression\");\n }\n\n return node;\n}\n\n\nparseExportDeclaration(node) {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const isDeclare = this.eatContextual(\"declare\");\n let declaration;\n\n if (this.match(types.name)) {\n declaration = this.tsTryParseExportDeclaration();\n }\n\n if (!declaration) {\n declaration = super.parseExportDeclaration(node);\n }\n\n if (declaration && (declaration.type === \"TSInterfaceDeclaration\" || declaration.type === \"TSTypeAliasDeclaration\" || isDeclare)) {\n node.exportKind = \"type\";\n }\n\n if (declaration && isDeclare) {\n this.resetStartLocation(declaration, startPos, startLoc);\n declaration.declare = true;\n }\n\n return declaration;\n}\n\n\nparseClassId(node, isStatement, optionalId) {\n if ((!isStatement || optionalId) && this.isContextual(\"implements\")) {\n return;\n }\n\n super.parseClassId(node, isStatement, optionalId, node.declare ? BIND_TS_AMBIENT : BIND_CLASS);\n const typeParameters = this.tsTryParseTypeParameters();\n if (typeParameters) node.typeParameters = typeParameters;\n}\n\n\nparseClassPropertyAnnotation(node) {\n if (!node.optional && this.eat(types.bang)) {\n node.definite = true;\n }\n\n {\n const type = this.tsTryParseTypeAnnotation();\n if (type) node.typeAnnotation = type;\n }\n\n {\n parseClassProperty(node) {\n this.parseClassPropertyAnnotation(node);\n\n if (this.state.isDeclareContext && this.match(types.eq)) {\n this.raise(this.state.start, TSErrors.DeclareClassFieldHasInitializer);\n }\n\n return super.parseClassProperty(node);\n }\n\n parseClassPrivateProperty(node) {\n if (node.abstract) {\n this.raise(node.start, TSErrors.PrivateElementHasAbstract);\n }\n\n if (node.accessibility) {\n this.raise(node.start, TSErrors.PrivateElementHasAccessibility, node.accessibility);\n }\n\n this.parseClassPropertyAnnotation(node);\n return super.parseClassPrivateProperty(node);\n }\n\n pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n const typeParameters = this.tsTryParseTypeParameters();\n if (typeParameters && isConstructor) {\n this.raise(typeParameters.start, TSErrors.ConstructorHasTypeParameters);\n }\n\n if (typeParameters) method.typeParameters = typeParameters;\n super.pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper);\n }\n\n pushClassPrivateMethod(classBody, method, isGenerator, isAsync) {\n const

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typeParameters = this.tsTryParseTypeParameters();\n if (typeParameters) method.typeParameters =
typeParameters;\n super.pushClassPrivateMethod(classBody, method, isGenerator, isAsync);\n }\n\nparseClassSuper(node) {\n super.parseClassSuper(node);\n\n if (node.superClass && this.isRelational("<"))
{\n node.superTypeParameters = this.tsParseTypeArguments();\n }\n\n if
(this.eatContextual("implements")) {\n node.implements = this.tsParseHeritageClause("implements");\n }\n
}\n\n parseObjPropValue(prop, ...args) {\n const typeParameters = this.tsTryParseTypeParameters();\n if
(typeParameters) prop.typeParameters = typeParameters;\n
 super.parseObjPropValue(prop, ...args);\n }\n\n parseFunctionParams(node, allowModifiers) {\n const
typeParameters = this.tsTryParseTypeParameters();\n if (typeParameters) node.typeParameters =
typeParameters;\n super.parseFunctionParams(node, allowModifiers);\n }\n\n parseVarId(decl, kind) {\n
super.parseVarId(decl, kind);\n\n if (decl.id.type === "Identifier" && this.eat(types.bang)) {\n decl.definite =
true;\n }\n\n const type = this.tsTryParseTypeAnnotation();\n\n if (type) {\n decl.id.typeAnnotation =
type;\n this.resetEndLocation(decl.id);\n }\n}\n\n parseAsyncArrowFromCallExpression(node, call) {\n if
(this.match(types.colon)) {\n node.returnType = this.tsParseTypeAnnotation();\n }\n\n return
super.parseAsyncArrowFromCallExpression(node, call);\n }\n\n parseMaybeAssign(...args) {\n var _jsx, _jsx2,
_typeCast, _jsx3, _typeCast2, _jsx4, _typeCast3;\n\n let state;\n let jsx;\n let typeCast;\n\n if
(this.match(types.jsxTagStart))
{\n state = this.state.clone();\n jsx = this.tryParse(() => super.parseMaybeAssign(...args), state);\n if
(!jsx.error) return jsx.node;\n const {\n context\n } = this.state;\n\n if (context[context.length - 1] ===
types.$1.j_oTag) {\n context.length -= 2;\n } else if (context[context.length - 1] === types.$1.j_expr) {\n
context.length -= 1;\n }\n if (!((_jsx = jsx) == null ? void 0 : _jsx.error) && !this.isRelational("<")) {\n
return super.parseMaybeAssign(...args);\n }\n\n let typeParameters;\n state = state || this.state.clone();\n
const arrow = this.tryParse(abort => {\n var _typeParameters;\n\n typeParameters =
this.tsParseTypeParameters();\n const expr = super.parseMaybeAssign(...args);\n\n if (expr.type !==
"ArrowFunctionExpression" || expr.extra && expr.extra.parenthesized) {\n abort();\n }\n\n if
(((typeParameters = typeParameters)
== null ? void 0 : _typeParameters.params.length) !== 0) {\n this.resetStartLocationFromNode(expr,
typeParameters);\n }\n\n expr.typeParameters = typeParameters;\n return expr;\n }, state);\n if
(!arrow.error && !arrow.aborted) return arrow.node;\n\n if (!jsx) {\n assert(!this.hasPlugin("jsx"));\n
typeCast = this.tryParse(() => super.parseMaybeAssign(...args), state);\n if (!typeCast.error) return
typeCast.node;\n }\n\n if ((_jsx2 = jsx) == null ? void 0 : _jsx2.node) {\n this.state = jsx.failState;\n return
jsx.node;\n }\n\n if (arrow.node) {\n this.state = arrow.failState;\n return arrow.node;\n }\n\n if
((_typeCast = typeCast) == null ? void 0 : _typeCast.node) {\n this.state = typeCast.failState;\n return
typeCast.node;\n }\n\n if ((_jsx3 = jsx) == null ? void 0 : _jsx3.thrown) throw jsx.error;\n if (arrow.thrown)
throw arrow.error;\n if ((_typeCast2 = typeCast) ==
null ? void 0 : _typeCast2.thrown) throw typeCast.error;\n throw ((_jsx4 = jsx) == null ? void 0 : _jsx4.error) ||
arrow.error || ((_typeCast3 = typeCast) == null ? void 0 : _typeCast3.error);\n }\n\n parseMaybeUnary(refExpressionErrors) {\n if (!this.hasPlugin("jsx") && this.isRelational("<")) {\n return
this.tsParseTypeAssertion();\n } else {\n return super.parseMaybeUnary(refExpressionErrors);\n }\n }\n\n parseArrow(node) {\n if (this.match(types.colon)) {\n const result = this.tryParse(abort => {\n const
returnType = this.tsParseTypeOrTypePredicateAnnotation(types.colon);\n if (this.canInsertSemicolon() ||
!this.match(types.arrow)) abort();\n return returnType;\n });\n if (result.aborted) return;\n\n if
(!result.thrown) {\n if (result.error) this.state = result.failState;\n node.returnType = result.node;\n }\n }\n\n return super.parseArrow(node);\n }\n\n parseAssignableListItemTypes(param)
{\n if (this.eat(types.question)) {\n if (param.type !== "Identifier" && !this.state.isDeclareContext &&
!this.state.inType) {\n this.raise(param.start, TSErrors.PatternIsOptional);\n }\n\n param.optional = true;\n }\n\n const type = this.tsTryParseTypeAnnotation();\n if (type) param.typeAnnotation = type;\n
this.resetEndLocation(param);\n return param;\n }\n\n toAssignable(node) {\n switch (node.type) {\n case

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"\"TSTypeCastExpression\"":\n return super.toAssignable(this.typeCastToParameter(node));\n\n case
\"\"TSPParameterProperty\"":\n return super.toAssignable(node);\n\n case \"\"TSAsExpression\"":\n case
\"\"TSNonNullExpression\"":\n case \"\"TSTypeAssertion\"":\n node.expression =
this.toAssignable(node.expression);\n return node;\n\n default:\n return super.toAssignable(node);\n
}\n }\n\n checkLVal(expr, bindingType = BIND_NONE, checkClashes, contextDescription) {\n
switch (expr.type) {\n case \"\"TSTypeCastExpression\"":\n return;\n\n case \"\"TSPParameterProperty\"":\n
this.checkLVal(expr.parameter, bindingType, checkClashes, \"parameter property\");\n return;\n\n case
\"\"TSAsExpression\"":\n case \"\"TSNonNullExpression\"":\n case \"\"TSTypeAssertion\"":\n
this.checkLVal(expr.expression, bindingType, checkClashes, contextDescription);\n return;\n\n default:\n
super.checkLVal(expr, bindingType, checkClashes, contextDescription);\n return;\n }\n }\n\n
parseBindingAtom() {\n switch (this.state.type) {\n case types._this:\n return this.parseIdentifier(true);\n\n
 default:\n return super.parseBindingAtom();\n }\n }\n\n parseMaybeDecoratorArguments(expr) {\n if
(this.isRelational(\"<\")) {\n const typeArguments = this.tsParseTypeArguments();\n\n if
(this.match(types.parenL)) {\n const call = super.parseMaybeDecoratorArguments(expr);\n
 call.typeParameters = typeArguments;\n return call;\n }\n\n this.unexpected(this.state.start,
types.parenL);\n }\n\n return super.parseMaybeDecoratorArguments(expr);\n }\n\n isClassMethod() {\n
return this.isRelational(\"<\") || super.isClassMethod();\n }\n\n isClassProperty() {\n return
this.match(types.bang) || this.match(types.colon) || super.isClassProperty();\n }\n\n parseMaybeDefault(...args) {\n
const node = super.parseMaybeDefault(...args);\n\n if (node.type === \"AssignmentPattern\" &&
node.typeAnnotation && node.right.start < node.typeAnnotation.start) {\n this.raise(node.typeAnnotation.start,
TSErrors.TypeAnnotationAfterAssign);\n }\n\n return node;\n }\n\n getTokenFromCode(code) {\n if
(this.state.inType && (code === 62 || code === 60)) {\n return this.finishOp(types.relational, 1);\n } else {\n
return super.getTokenFromCode(code);\n }\n }\n\n reScan_lt_gt() {\n if (this.match(types.relational))
{\n const code = this.input.charCodeAtAt(this.state.start);\n\n if (code === 60 || code === 62) {\n
this.state.pos -= 1;\n this.readToken_lt_gt(code);\n }\n }\n\n toAssignableList(exprList) {\n for (let i
= 0; i < exprList.length; i++) {\n const expr = exprList[i];\n if (!expr) continue;\n\n switch (expr.type) {\n
 case \"\"TSTypeCastExpression\"":\n exprList[i] = this.typeCastToParameter(expr);\n break;\n\n case
\"\"TSAsExpression\"":\n case \"\"TSTypeAssertion\"":\n if (!this.state.maybeInArrowParameters) {\n
exprList[i] = this.typeCastToParameter(expr);\n } else {\n this.raise(expr.start,
TSErrors.UnexpectedTypeCastInParameter);\n }\n\n break;\n }\n }\n\n return
super.toAssignableList(...arguments);\n }\n\n typeCastToParameter(node) {\n node.expression.typeAnnotation =
node.typeAnnotation;\n this.resetEndLocation(node.expression,
node.typeAnnotation.end, node.typeAnnotation.loc.end);\n return node.expression;\n }\n\n shouldParseArrow()
{\n return this.match(types.colon) || super.shouldParseArrow();\n }\n\n shouldParseAsyncArrow() {\n return
this.match(types.colon) || super.shouldParseAsyncArrow();\n }\n\n canHaveLeadingDecorator() {\n return
super.canHaveLeadingDecorator() || this.isAbstractClass();\n }\n\n jsxParseOpeningElementAfterName(node) {\n
if (this.isRelational(\"<\")) {\n const typeArguments = this.tsTryParseAndCatch(() =>
this.tsParseTypeArguments());\n if (typeArguments) node.typeParameters = typeArguments;\n }\n\n return
super.jsxParseOpeningElementAfterName(node);\n }\n\n getGetterSetterExpectedParamCount(method) {\n const
baseCount = super.getGetterSetterExpectedParamCount(method);\n const firstParam = method.params[0];\n
const hasContextParam = firstParam && firstParam.type === \"Identifier\" && firstParam.name === \"this\";\n
return
hasContextParam ? baseCount + 1 : baseCount;\n }\n\n parseCatchClauseParam() {\n const param =
super.parseCatchClauseParam();\n const type = this.tsTryParseTypeAnnotation();\n\n if (type) {\n
param.typeAnnotation = type;\n this.resetEndLocation(param);\n }\n\n return param;\n }\n\n
tsInDeclareContext(cb) {\n const oldIsDeclareContext = this.state.isDeclareContext;\n
this.state.isDeclareContext = true;\n\n try {\n return cb();\n } finally {\n this.state.isDeclareContext =
oldIsDeclareContext;\n }\n }\n\n types.placeholder = new TokenType(\"%%\", {\n startsExpr:

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true\n});\n\nvar placeholders = (superClass => class extends superClass {\n parsePlaceholder(expectedNode) {\n if
(this.match(types.placeholder)) {\n const node = this.startNode();\n this.next();\n this.assertNoSpace("Unexpected space in placeholder.");\n node.name = super.parseIdentifier(true);\n this.assertNoSpace("Unexpected space
in placeholder.");\n this.expect(types.placeholder);\n return this.finishPlaceholder(node, expectedNode);\n }\n }\n\n finishPlaceholder(node, expectedNode) {\n const isFinished = !(node.expectedNode && node.type
=== "Placeholder");\n node.expectedNode = expectedNode;\n return isFinished ? node : this.finishNode(node,
"Placeholder");\n }\n\n getTokenFromCode(code) {\n if (code === 37 && this.input.charCodeAt(this.state.pos
+ 1) === 37) {\n return this.finishOp(types.placeholder, 2);\n }\n return
super.getTokenFromCode(...arguments);\n }\n\n parseExprAtom() {\n return
this.parsePlaceholder("Expression") || super.parseExprAtom(...arguments);\n }\n\n parseIdentifier() {\n return
this.parsePlaceholder("Identifier") || super.parseIdentifier(...arguments);\n }\n\n checkReservedWord(word) {\n
if (word !== undefined) super.checkReservedWord(...arguments);\n }\n\n parseBindingAtom() {\n return
this.parsePlaceholder("Pattern")\n || super.parseBindingAtom(...arguments);\n }\n\n checkLVal(expr) {\n if (expr.type !== "Placeholder")
super.checkLVal(...arguments);\n }\n\n toAssignable(node) {\n if (node && node.type === "Placeholder" &&
node.expectedNode === "Expression") {\n node.expectedNode = "Pattern";\n return node;\n }\n return
super.toAssignable(...arguments);\n }\n\n verifyBreakContinue(node) {\n if (node.label &&
node.label.type === "Placeholder") return;\n super.verifyBreakContinue(...arguments);\n }\n\n parseExpressionStatement(node, expr) {\n if (expr.type !== "Placeholder" || expr.extra &&
expr.extra.parenthesized) {\n return super.parseExpressionStatement(...arguments);\n }\n if
(this.match(types.colon)) {\n const stmt = node;\n stmt.label = this.finishPlaceholder(expr, "Identifier");\n this.next();\n stmt.body = this.parseStatement("label");\n return this.finishNode(stmt,
"LabeledStatement");\n }\n this.semicolon();\n node.name = expr.name;\n return this.finishPlaceholder(node, "Statement");\n }\n\n parseBlock() {\n return this.parsePlaceholder("BlockStatement") || super.parseBlock(...arguments);\n }\n\n parseFunctionId() {\n return this.parsePlaceholder("Identifier") || super.parseFunctionId(...arguments);\n }\n\n parseClass(node, isStatement, optionalId) {\n const type = isStatement ? "ClassDeclaration" :
"ClassExpression";\n this.next();\n this.takeDecorators(node);\n const oldStrict = this.state.strict;\n const
placeholder = this.parsePlaceholder("Identifier");\n if (placeholder) {\n if (this.match(types._extends) ||
this.match(types.placeholder) || this.match(types.braceL)) {\n node.id = placeholder;\n } else if (optionalId ||
!isStatement) {\n node.id = null;\n node.body = this.finishPlaceholder(placeholder, "ClassBody");\n }\n return this.finishNode(node, type);\n } else {\n this.unexpected(null, "A class name is required");\n }\n } else {\n this.parseClassId(node, isStatement,
optionalId);\n }\n\n this.parseClassSuper(node);\n node.body = this.parsePlaceholder("ClassBody") ||
this.parseClassBody(!node.superClass, oldStrict);\n return this.finishNode(node, type);\n}\n\n parseExport(node) {\n const placeholder = this.parsePlaceholder("Identifier");\n if (!placeholder) return
super.parseExport(...arguments);\n if (!this.isContextual("from") && !this.match(types.comma)) {\n node.specifiers = [];\n node.source = null;\n node.declaration = this.finishPlaceholder(placeholder,
"Declaration");\n return this.finishNode(node, "ExportNamedDeclaration");\n }\n this.expectPlugin("exportDefaultFrom");\n const specifier = this.startNode();\n specifier.exported =
placeholder;\n node.specifiers = [this.finishNode(specifier, "ExportDefaultSpecifier")];\n return
super.parseExport(node);\n }\n\n isExportDefaultSpecifier() {\n if (this.match(types._default)) {\n const next = this.nextTokenStart();\n if (this.isUnparsedContextual(next, "from")) {\n if (this.input.startsWith(types.placeholder.label,
this.nextTokenStartSince(next + 4))) {\n return true;\n }\n }\n }\n return
super.isExportDefaultSpecifier();\n }\n\n maybeParseExportDefaultSpecifier(node) {\n if (node.specifiers &&
node.specifiers.length > 0) {\n return true;\n }\n return

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super.maybeParseExportDefaultSpecifier(...arguments);\n }\n\n checkExport(node) {\n const {\n specifiers\n } = node;\n if (specifiers == null ? void 0 : specifiers.length) {\n node.specifiers = specifiers.filter(node =>\n node.exported.type === \"Placeholder\");\n }\n super.checkExport(node);\n node.specifiers = specifiers;\n}\n\n parseImport(node) {\n const placeholder = this.parsePlaceholder(\"Identifier\");\n if (!placeholder)\n return super.parseImport(...arguments);\n node.specifiers = [];\n if (!this.isContextual(\"from\") &&\n !this.match(types.comma)) {\n node.source = this.finishPlaceholder(placeholder, \"StringLiteral\");\n this.semicolon();\n return this.finishNode(node, \"ImportDeclaration\");\n }\n const specifier =\n this.startNodeAtNode(placeholder);\n specifier.local = placeholder;\n this.finishNode(specifier,\n \"ImportDefaultSpecifier\");\n node.specifiers.push(specifier);\n if (this.eat(types.comma)) {\n const\n hasStarImport = this.maybeParseStarImportSpecifier(node);\n if (!hasStarImport)\n this.parseNamedImportSpecifiers(node);\n }\n this.expectContextual(\"from\");\n node.source =\n this.parseImportSource();\n this.semicolon();\n return this.finishNode(node, \"ImportDeclaration\");\n}\n\n parseImportSource() {\n return this.parsePlaceholder(\"StringLiteral\") || super.parseImportSource(...arguments);\n}\n\n});\n\nvar\n v8intrinsic = (superClass => class extends superClass {\n parseV8Intrinsic() {\n if (this.match(types.modulo))\n {\n const v8IntrinsicStart = this.state.start;\n const node = this.startNode();\n this.eat(types.modulo);\n if (this.match(types.name)) {\n const name = this.parseIdentifierName(this.state.start);\n const identifier =\n this.createIdentifier(node, name);\n identifier.type = \"V8IntrinsicIdentifier\";\n if\n (this.match(types.parenL)) {\n return identifier;\n }\n this.unexpected(v8IntrinsicStart);\n }\n return this.parseV8Intrinsic() || super.parseExprAtom(...arguments);\n }\n return super.parseExprAtom(...arguments);\n }\n });\n\nfunction hasPlugin(plugings, name) {\n return plugings.some(plugin => {\n if (Array.isArray(plugin))\n {\n return plugin[0] === name;\n } else {\n return plugin === name;\n }\n });\n}\n\nfunction\n getPluginOption(plugings, name, option) {\n const plugin = plugings.find(plugin\n => {\n if (Array.isArray(plugin))\n {\n return plugin[0] === name;\n } else {\n return plugin === name;\n }\n });\n if (plugin && Array.isArray(plugin))\n {\n return plugin[1][option];\n }\n return null;\n }\n\nconst\n PIPELINE_PROPOSALS = [\"minimal\", \"smart\", \"fsharp\"];\nconst\n RECORD_AND_TUPLE_SYNTAX_TYPES = [\"hash\", \"bar\"];\n\nfunction validatePlugins(plugings) {\n if\n (hasPlugin(plugings, \"decorators\")) {\n if (hasPlugin(plugings, \"decorators-legacy\"))\n {\n throw new\n Error(\"Cannot use the decorators and decorators-legacy plugin together\");\n }\n const\n decoratorsBeforeExport = getPluginOption(plugings, \"decorators\", \"decoratorsBeforeExport\");\n if\n (decoratorsBeforeExport == null) {\n throw new Error(\"The 'decorators' plugin requires a\n 'decoratorsBeforeExport' option,\" + \" whose value must be a boolean. If you are migrating from\" + \"\n Babylon/Babel 6 or want to use the old decorators proposal, you\" + \"\n should use the 'decorators-legacy' plugin instead of 'decorators'.\");\n }\n else if (typeof decoratorsBeforeExport !==\n \"boolean\") {\n throw new Error(\"'decoratorsBeforeExport' must be a boolean.\");\n }\n }\n if\n (hasPlugin(plugings, \"flow\") && hasPlugin(plugings, \"typescript\")) {\n throw new Error(\"Cannot combine flow\n and typescript plugins.\");\n }\n if\n (hasPlugin(plugings, \"placeholders\") && hasPlugin(plugings, \"v8intrinsic\"))\n {\n throw new Error(\"Cannot combine placeholders and v8intrinsic plugins.\");\n }\n if\n (hasPlugin(plugings,\n \"pipelineOperator\") && !PIPELINE_PROPOSALS.includes(getPluginOption(plugings, \"pipelineOperator\",\n \"proposal\"))) {\n throw new Error(\"'pipelineOperator' requires 'proposal' option whose value should be one of: \"\n + PIPELINE_PROPOSALS.map(p => `${p}`).join(\", \"));\n }\n if\n (hasPlugin(plugings, \"moduleAttributes\"))\n {\n if\n (hasPlugin(plugings, \"importAssertions\")) {\n throw new Error(\"Cannot combine\n importAssertions and moduleAttributes plugins.\");\n }\n const moduleAttributesVersionPluginOption =\n getPluginOption(plugings, \"moduleAttributes\", \"version\");\n if\n (moduleAttributesVersionPluginOption !==\n \"may-2020\") {\n throw new Error(\"The 'moduleAttributes' plugin requires a 'version' option,\" + \" representing\n the last proposal update. Currently, the\" + \" only supported value is 'may-2020'.\");\n }\n }\n if\n (hasPlugin(plugings, \"recordAndTuple\")) &&\n !RECORD_AND_TUPLE_SYNTAX_TYPES.includes(getPluginOption(plugings, \"recordAndTuple\",

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\'syntaxType\'')) {\n throw new Error(\'"recordAndTuple' requires 'syntaxType' option whose value should be one
of: \'' + RECORD_AND_TUPLE_SYNTAX_TYPES.map(p => `_${p}`').join('\', '\');\n } \n}\n\nconst mixinPlugins =
{\n estree,\n jsx,\n flow,\n typescript,\n v8intrinsic,\n placeholders\n};\n\nconst mixinPluginNames =
Object.keys(mixinPlugins);\n\nconst defaultOptions = {\n sourceType: "script",\n sourceFilename:
undefined,\n startLine: 1,\n allowAwaitOutsideFunction: false,\n allowReturnOutsideFunction: false,\n
allowImportExportEverywhere: false,\n allowSuperOutsideMethod: false,\n allowUndeclaredExports: false,\n
plugins: [],\n strictMode: null,\n ranges: false,\n tokens: false,\n createParenthesizedExpressions: false,\n
errorRecovery: false\n};\n\nfunction getOptions(opts) {\n const options = {};\n\n for (let _i = 0, _Object$keys =
Object.keys(defaultOptions); _i < _Object$keys.length; _i++) {\n const key = _Object$keys[_i];\n options[key]
= opts && opts[key] != null ? opts[key] : defaultOptions[key];\n } \n\n return options;\n}\n\n\nclass State {\n
constructor() {\n this.strict = void 0;\n this.curLine = void 0;\n this.startLoc = void 0;\n this.endLoc = void
0;\n this.errors = [];\n this.potentialArrowAt = -1;\n this.noArrowAt = [];\n
this.noArrowParamsConversionAt = [];\n this.maybeInArrowParameters = false;\n this.inPipeline = false;\n
this.inType = false;\n this.noAnonFunctionType = false;\n this.inPropertyName = false;\n
this.hasFlowComment = false;\n this.isIterator = false;\n this.isDeclareContext = false;\n this.topicContext =
{\n maxNumOfResolvableTopics: 0,\n maxTopicIndex: null\n }; \n this.soloAwait = false;\n
this.inFSharpPipelineDirectBody = false;\n this.labels = [];\n this.decoratorStack = [[]];\n this.comments =
[];\n this.trailingComments = [];\n this.leadingComments = [];\n this.commentStack = [];\n
this.commentPreviousNode = null;\n this.pos = 0;\n this.lineStart = 0;\n this.type = types.eof;\n this.value =
null;\n this.start = 0;\n this.end = 0;\n this.lastTokEndLoc = null;\n this.lastTokStartLoc = null;\n
this.lastTokStart = 0;\n this.lastTokEnd = 0;\n this.context = [types.$1.braceStatement];\n this.exprAllowed =
true;\n this.containsEsc = false;\n this.octalPositions = [];\n this.exportedIdentifiers
= [];\n this.tokensLength = 0;\n } \n\n init(options) {\n this.strict = options.strictMode === false ? false :
options.sourceType === \'module\';\n this.curLine = options.startLine;\n this.startLoc = this.endLoc =
this.curPosition();\n } \n\n curPosition() {\n return new Position(this.curLine, this.pos - this.lineStart);\n } \n\n
clone(skipArrays) {\n const state = new State();\n const keys = Object.keys(this);\n\n for (let i = 0, length =
keys.length; i < length; i++) {\n const key = keys[i];\n let val = this[key];\n\n if (!skipArrays &&
Array.isArray(val)) {\n val = val.slice();\n } \n\n state[key] = val;\n } \n\n return state;\n } \n\n \n\n nvar
_isDigit = function isDigit(code) {\n return code >= 48 && code <= 57;\n }; \n\n const VALID_REGEX_FLAGS =
new Set(["g", "m", "s", "i", "y", "u"]); \n\n const forbiddenNumericSeparatorSiblings = {\n decBinOct: [46,
66, 69, 79, 95, 98, 101, 111],\n hex: [46, 88, 95, 120]\n }; \n\n const
allowedNumericSeparatorSiblings = {};\n\n allowedNumericSeparatorSiblings.bin = [48,
49]; \n\n allowedNumericSeparatorSiblings.oct = [...allowedNumericSeparatorSiblings.bin, 50, 51, 52, 53, 54,
55]; \n\n allowedNumericSeparatorSiblings.dec = [...allowedNumericSeparatorSiblings.oct, 56,
57]; \n\n allowedNumericSeparatorSiblings.hex = [...allowedNumericSeparatorSiblings.dec, 65, 66, 67, 68, 69, 70, 97,
98, 99, 100, 101, 102]; \n\n class Token {\n constructor(state) {\n this.type = state.type;\n this.value = state.value;\n
 this.start = state.start;\n this.end = state.end;\n this.loc = new SourceLocation(state.startLoc, state.endLoc);\n
 } \n\n } \n\n class Tokenizer extends ParserError {\n constructor(options, input) {\n super();\n this.isLookahead =
void 0;\n this.tokens = [];\n this.state = new State();\n this.state.init(options);\n this.input = input;\n
 this.length = input.length;\n this.isLookahead = false;\n } \n\n pushToken(token) {\n this.tokens.length
= this.state.tokensLength;\n this.tokens.push(token);\n ++this.state.tokensLength;\n } \n\n next() {\n if
(!this.isLookahead) {\n this.checkKeywordEscapes();\n\n if (this.options.tokens) {\n this.pushToken(new
Token(this.state));\n } \n\n this.state.lastTokEnd = this.state.end;\n this.state.lastTokStart =
this.state.start;\n this.state.lastTokEndLoc = this.state.endLoc;\n this.state.lastTokStartLoc = this.state.startLoc;\n
 this.nextToken();\n } \n\n eat(type) {\n if (this.match(type)) {\n this.next();\n return true;\n } else {\n
 return false;\n } \n\n } \n\n match(type) {\n return this.state.type === type;\n } \n\n lookahead() {\n const old =
this.state;\n this.state = old.clone(true);\n this.isLookahead = true;\n this.next();\n this.isLookahead = false;\n
 const curr = this.state;\n this.state = old;\n return curr;\n } \n\n nextTokenStart() {\n return

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this.nextTokenStartSince(this.state.pos);
}
}
nextTokenStartSince(pos) {
 skipWhiteSpace.lastIndex = pos;
 const skip = skipWhiteSpace.exec(this.input);
 return pos + skip[0].length;
}
lookaheadCharCode() {
 return this.input.charCodeAtAt(this.nextTokenStart());
}
setStrict(strict) {
 this.state.strict = strict;
 if (!this.match(types.num) && !this.match(types.string)) return;
 this.state.pos = this.state.start;
 while (this.state.pos < this.state.lineStart) {
 this.state.lineStart = this.input.lastIndexOf("\n", this.state.lineStart - 2) + 1;
 --this.state.curLine;
 }
 this.nextToken();
}
curContext() {
 return this.state.context[this.state.context.length - 1];
}
nextToken() {
 const curContext = this.curContext();
 if (!curContext == null ? void 0 : curContext.preserveSpace) this.skipSpace();
 this.state.octalPositions = [];
 this.state.start = this.state.pos;
 this.state.startLoc = this.state.curPosition();
 if (this.state.pos >= this.length) {
 this.finishToken(types.eof);
 return;
 }
 const override = curContext == null ? void 0 : curContext.override;
 if (override) {
 override(this);
 } else {
 this.getTokenFromCode(this.input.codePointAt(this.state.pos));
 }
 pushComment(block, text, start, end, startLoc, endLoc) {
 const comment = {
 type: block ? "CommentBlock" : "CommentLine",
 value: text,
 start: start,
 end: end,
 loc: new SourceLocation(startLoc, endLoc)
 };
 if (this.options.tokens) this.pushToken(comment);
 this.state.comments.push(comment);
 this.addComment(comment);
 }
 skipBlockComment() {
 const startLoc = this.state.curPosition();
 const start = this.state.pos;
 const end = this.input.indexOf("*/", this.state.pos + 2);
 if (end === -1) throw this.raise(start, ErrorMessages.UnterminatedComment);
 this.state.pos = end + 2;
 lineBreakG.lastIndex = start;
 let match;
 while ((match = lineBreakG.exec(this.input)) && match.index < this.state.pos) {
 ++this.state.curLine;
 this.state.lineStart = match.index + match[0].length;
 }
 if (this.isLookahead) return;
 this.pushComment(true, this.input.slice(start + 2, end), start, this.state.pos, startLoc, this.state.curPosition());
 }
 skipLineComment(startSkip) {
 const start = this.state.pos;
 const startLoc = this.state.curPosition();
 let ch = this.input.charCodeAtAt(this.state.pos + startSkip);
 if (this.state.pos < this.length) {
 while (!isNewLine(ch) && ++this.state.pos < this.length) {
 ch = this.input.charCodeAtAt(this.state.pos);
 }
 }
 if (this.isLookahead) return;
 this.pushComment(false, this.input.slice(start + startSkip, this.state.pos), start, this.state.pos, startLoc, this.state.curPosition());
 }
 skipSpace() {
 loop: while (this.state.pos < this.length) {
 const ch = this.input.charCodeAtAt(this.state.pos);
 switch (ch) {
 case 32:
 case 160:
 case 9:
 ++this.state.pos;
 break;
 case 13:
 if (this.input.charCodeAtAt(this.state.pos + 1) === 10) {
 ++this.state.pos;
 }
 case 10:
 case 8232:
 case 8233:
 ++this.state.pos;
 ++this.state.curLine;
 this.state.lineStart = this.state.pos;
 break;
 case 47:
 switch (this.input.charCodeAtAt(this.state.pos + 1)) {
 case 42:
 this.skipBlockComment();
 break;
 case 47:
 this.skipLineComment(2);
 break;
 default:
 break loop;
 }
 break;
 default:
 if (isWhitespace(ch)) {
 ++this.state.pos;
 } else {
 break loop;
 }
 }
 }
 }
 finishToken(type, val) {
 this.state.end = this.state.pos;
 this.state.endLoc = this.state.curPosition();
 const prevType = this.state.type;
 this.state.type = type;
 this.state.value = val;
 if (!this.isLookahead) this.updateContext(prevType);
 }
 readToken_numberSign() {
 if (this.state.pos === 0 && this.readToken_interpreter()) return;
 }
 const nextPos = this.state.pos + 1;
 const next = this.input.charCodeAtAt(nextPos);
 if (next >= 48 && next <= 57) {
 throw this.raise(this.state.pos, ErrorMessages.UnexpectedDigitAfterHash);
 }
 if (next === 123 || next === 91 && this.hasPlugin("recordAndTUPLE")) {
 this.expectPlugin("recordAndTUPLE");
 }
 if (this.getPluginOption("recordAndTUPLE", "syntaxType") !== "hash") {
 throw this.raise(this.state.pos, next === 123 ? ErrorMessages.RecordExpressionHashIncorrectStartSyntaxType : ErrorMessages.TupleExpressionHashIncorrectStartSyntaxType);
 }
 if (next === 123) {
 this.finishToken(types.braceHashL);
 } else {
 this.finishToken(types.bracketHashL);
 }
 this.state.pos += 2;
} else {
 this.finishOp(types.hash,

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1);\n } \n } \n\n readToken_dot() {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (next >= 48 && next <= 57) {\n this.readNumber(true);\n return;\n } \n\n if (next === 46 && this.input.charCodeAt(this.state.pos + 2) === 46) {\n this.state.pos += 3;\n this.finishToken(types.ellipsis);\n } else {\n ++this.state.pos;\n this.finishToken(types.dot);\n } \n\n\n readToken_slash() {\n if (this.state.exprAllowed && !this.state.inType) {\n ++this.state.pos;\n this.readRegexp();\n return;\n } \n\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (next === 61) {\n this.finishOp(types.assign, 2);\n } else {\n this.finishOp(types.slash, 1);\n } \n\n\n readToken_interpreter() {\n if (this.state.pos !== 0 || this.length < 2) return false;\n let ch = this.input.charCodeAt(this.state.pos + 1);\n if (ch !== 33) return false;\n const start = this.state.pos;\n this.state.pos += 1;\n\n while (!isNewLine(ch) && ++this.state.pos < this.length) {\n ch = this.input.charCodeAt(this.state.pos);\n } \n\n const value = this.input.slice(start + 2, this.state.pos);\n this.finishToken(types.interpreterDirective, value);\n return true;\n } \n\n\n readToken_mult_modulo(code) {\n let type = code === 42 ? types.star : types.modulo;\n let width = 1;\n let next = this.input.charCodeAt(this.state.pos + 1);\n const exprAllowed = this.state.exprAllowed;\n\n if (code === 42 && next === 42) {\n width++;\n next = this.input.charCodeAt(this.state.pos + 2);\n type = types.exponent;\n } \n\n if (next === 61 && !exprAllowed) {\n width++;\n type = types.assign;\n } \n\n this.finishOp(type, width);\n } \n\n\n readToken_pipe_amp(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (next === code) {\n if (this.input.charCodeAt(this.state.pos + 2) === 61) {\n this.finishOp(types.assign, 3);\n } else {\n this.finishOp(code === 124 ? types.logicalOR : types.logicalAND, 2);\n } \n\n return;\n } \n\n if (code === 124) {\n if (next === 62) {\n this.finishOp(types.pipeline, 2);\n return;\n } \n\n if (this.hasPlugin("recordAndTuple") && next === 125) {\n if (this.getPluginOption("recordAndTuple", "syntaxType") !== "bar") {\n throw this.raise(this.state.pos, ErrorMessages.RecordExpressionBarIncorrectEndSyntaxType);\n } \n\n this.finishOp(types.braceBarR, 2);\n return;\n } \n\n if (this.hasPlugin("recordAndTuple") && next === 93) {\n if (this.getPluginOption("recordAndTuple", "syntaxType") !== "bar") {\n throw this.raise(this.state.pos, ErrorMessages.TupleExpressionBarIncorrectEndSyntaxType);\n } \n\n this.finishOp(types.bracketBarR, 2);\n return;\n } \n\n if (next === 61) {\n this.finishOp(types.assign, 2);\n return;\n } \n\n if (next === 61) {\n this.finishOp(types.assign, 2);\n } else {\n this.finishOp(types.bitwiseXOR, 1);\n } \n\n } \n\n\n readToken_plus_min(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (next === code) {\n if (next === 45 && !this.inModule && this.input.charCodeAt(this.state.pos + 2) === 62 && (this.state.lastTokEnd === 0 || this.hasPrecedingLineBreak())) {\n this.skipLineComment(3);\n this.skipSpace();\n this.nextToken();\n return;\n } \n\n this.finishOp(types.incDec, 2);\n return;\n } \n\n if (next === 61) {\n this.finishOp(types.assign, 2);\n } else {\n this.finishOp(types.plusMin, 1);\n } \n\n\n readToken_lt_gt(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n let size = 1;\n\n if (next === code) {\n size = code === 62 && this.input.charCodeAt(this.state.pos + 2) === 62 ? 3 : 2;\n\n if (this.input.charCodeAt(this.state.pos + size) === 61) {\n this.finishOp(types.assign, size + 1);\n return;\n } \n\n this.finishOp(types.bitShift, size);\n return;\n } \n\n if (next === 33 && code === 60 && !this.inModule && this.input.charCodeAt(this.state.pos + 2) === 45 && this.input.charCodeAt(this.state.pos + 3) === 45) {\n this.skipLineComment(4);\n this.skipSpace();\n this.nextToken();\n return;\n } \n\n if (next === 61) {\n size = 2;\n } \n\n this.finishOp(types.relational, size);\n } \n\n\n readToken_eq_excl(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (next === 61) {\n this.finishOp(types.equality, this.input.charCodeAt(this.state.pos + 2) === 61 ? 3 : 2);\n return;\n } \n\n if (code === 61 && next === 62) {\n this.state.pos += 2;\n this.finishToken(types.arrow);\n return;\n } \n\n this.finishOp(code === 61 ? types.eq : types.bang, 1);\n } \n\n\n readToken_question() {\n const next = this.input.charCodeAt(this.state.pos + 1);\n const next2 = this.input.charCodeAt(this.state.pos + 2);\n\n if (next

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=== 63) {\n if (next2 === 61) {\n this.finishOp(types.assign, 3);\n } else {\n
this.finishOp(types.nullishCoalescing, 2);\n }\n } else if (next === 46 && !(next2 >= 48 && next2 <= 57)) {\n
 this.state.pos += 2;\n this.finishToken(types.questionDot);\n } else {\n ++this.state.pos;\n
this.finishToken(types.question);\n }\n }\n\n getTokenFromCode(code)
{\n switch (code) {\n case 46:\n this.readToken_dot();\n return;\n\n case 40:\n
++this.state.pos;\n this.finishToken(types.parenL);\n return;\n\n case 41:\n ++this.state.pos;\n
this.finishToken(types.parenR);\n return;\n\n case 59:\n ++this.state.pos;\n
this.finishToken(types.semi);\n return;\n\n case 44:\n ++this.state.pos;\n
this.finishToken(types.comma);\n return;\n\n case 91:\n if (this.hasPlugin(\"recordAndTuple\") &&
this.input.charCodeAtAt(this.state.pos + 1) === 124) {\n if (this.getPluginOption(\"recordAndTuple\",
\"syntaxType\") !== \"bar\") {\n throw this.raise(this.state.pos,
ErrorMessages.TupleExpressionBarIncorrectStartSyntaxType);\n }\n\n
this.finishToken(types.bracketBarL);\n this.state.pos += 2;\n } else {\n ++this.state.pos;\n
this.finishToken(types.bracketL);\n }\n\n return;\n\n case 93:\n ++this.state.pos;\n this.finishToken(types.bracketR);\n
return;\n\n case 123:\n if (this.hasPlugin(\"recordAndTuple\") && this.input.charCodeAtAt(this.state.pos + 1)
=== 124) {\n if (this.getPluginOption(\"recordAndTuple\", \"syntaxType\") !== \"bar\") {\n throw
this.raise(this.state.pos, ErrorMessages.RecordExpressionBarIncorrectStartSyntaxType);\n }\n\n
this.finishToken(types.braceBarL);\n this.state.pos += 2;\n } else {\n ++this.state.pos;\n
this.finishToken(types.braceL);\n }\n\n return;\n\n case 125:\n ++this.state.pos;\n
this.finishToken(types.braceR);\n return;\n\n case 58:\n if (this.hasPlugin(\"functionBind\") &&
this.input.charCodeAtAt(this.state.pos + 1) === 58) {\n this.finishOp(types.doubleColon, 2);\n } else {\n
++this.state.pos;\n
this.finishToken(types.colon);\n }\n\n return;\n\n case 63:\n this.readToken_question();\n
return;\n\n case 96:\n ++this.state.pos;\n this.finishToken(types.backQuote);\n return;\n\n case
48:\n {\n const next = this.input.charCodeAtAt(this.state.pos + 1);\n\n if (next === 120 || next === 88)
{\n this.readRadixNumber(16);\n return;\n }\n\n if (next === 111 || next === 79) {\n
this.readRadixNumber(8);\n return;\n }\n\n if (next === 98 || next === 66) {\n
this.readRadixNumber(2);\n return;\n }\n\n case 49:\n case 50:\n case 51:\n case
52:\n case 53:\n case 54:\n case 55:\n case 56:\n case 57:\n this.readNumber(false);\n
return;\n\n case 34:\n case 39:\n this.readString(code);\n return;\n\n case 47:\n
this.readToken_slash();\n return;\n\n case 37:\n case 42:\n
this.readToken_mult_modulo(code);\n return;\n\n case 124:\n case 38:\n
this.readToken_pipe_amp(code);\n return;\n\n case 94:\n this.readToken_caret();\n return;\n\n
case 43:\n case 45:\n this.readToken_plus_min(code);\n return;\n\n case 60:\n case 62:\n
this.readToken_lt_gt(code);\n return;\n\n case 61:\n case 33:\n this.readToken_eq_excl(code);\n
return;\n\n case 126:\n this.finishOp(types.tilde, 1);\n return;\n\n case 64:\n ++this.state.pos;\n
this.finishToken(types.at);\n return;\n\n case 35:\n this.readToken_numberSign();\n return;\n\n
case 92:\n this.readWord();\n return;\n\n default:\n if (isIdentifierStart(code)) {\n
this.readWord();\n return;\n }\n\n }\n\n throw this.raise(this.state.pos, ErrorMessages.InvalidOrUnexpectedToken,
String.fromCodePoint(code));\n }\n\n finishOp(type, size) {\n const str = this.input.slice(this.state.pos,
this.state.pos + size);\n this.state.pos += size;\n this.finishToken(type, str);\n }\n\n readRegex() {\n const
start = this.state.pos;\n let escaped, inClass;\n\n for (;;) {\n if (this.state.pos >= this.length) {\n throw
this.raise(start, ErrorMessages.UnterminatedRegExp);\n }\n\n const ch = this.input.charAt(this.state.pos);\n\n if (lineBreak.test(ch)) {\n throw this.raise(start, ErrorMessages.UnterminatedRegExp);\n }\n\n if
(escaped) {\n escaped = false;\n } else {\n if (ch === \"[\") {\n inClass = true;\n } else if (ch
=== \"\\\" && inClass) {\n inClass = false;\n } else if (ch === \"^\" && !inClass) {\n break;\n

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}\n\n escaped = ch === "\\\\";\n
}\n\n ++this.state.pos;\n }\n\n const content = this.input.slice(start, this.state.pos);\n ++this.state.pos;\n
let mods = "\\";\n while (this.state.pos < this.length) {\n const char = this.input[this.state.pos];\n const
charCode = this.input.codePointAt(this.state.pos);\n\n if (VALID_REGEX_FLAGS.has(char)) {\n if
(mods.indexOf(char) > -1) {\n this.raise(this.state.pos + 1, ErrorMessages.DuplicateRegExpFlags);\n }\n
 } else if (isIdentifierChar(charCode) || charCode === 92) {\n this.raise(this.state.pos + 1,
ErrorMessages.MalformedRegExpFlags);\n } else {\n break;\n }\n\n ++this.state.pos;\n mods +=
char;\n }\n\n this.finishToken(types.regexp, {\n pattern: content,\n flags: mods\n });\n }\n\n
readInt(radix, len, forceLen, allowNumSeparator = true) {\n const start = this.state.pos;\n const
forbiddenSiblings = radix === 16 ? forbiddenNumericSeparatorSiblings.hex :
forbiddenNumericSeparatorSiblings.decBinOct;\n
 const allowedSiblings = radix === 16 ? allowedNumericSeparatorSiblings.hex : radix === 10 ?
allowedNumericSeparatorSiblings.dec : radix === 8 ? allowedNumericSeparatorSiblings.oct :
allowedNumericSeparatorSiblings.bin;\n let invalid = false;\n let total = 0;\n\n for (let i = 0, e = len == null ?
Infinity : len; i < e; ++i) {\n const code = this.input.charCodeAt(this.state.pos);\n let val;\n\n if (code ===
95) {\n const prev = this.input.charCodeAt(this.state.pos - 1);\n const next =
this.input.charCodeAt(this.state.pos + 1);\n\n if (allowedSiblings.indexOf(next) === -1) {\n
this.raise(this.state.pos, ErrorMessages.UnexpectedNumericSeparator);\n } else if
(forbiddenSiblings.indexOf(prev) > -1 || forbiddenSiblings.indexOf(next) > -1 || Number.isNaN(next)) {\n
this.raise(this.state.pos, ErrorMessages.UnexpectedNumericSeparator);\n }\n\n if (!allowNumSeparator)
{\n this.raise(this.state.pos, ErrorMessages.NumericSeparatorInEscapeSequence);\n }\n\n
 ++this.state.pos;\n continue;\n }\n\n if (code >= 97) {\n val = code - 97 + 10;\n } else if (code >=
65) {\n val = code - 65 + 10;\n } else if (_isDigit(code)) {\n val = code - 48;\n } else {\n val =
Infinity;\n }\n\n if (val >= radix) {\n if (this.options.errorRecovery && val <= 9) {\n val = 0;\n
this.raise(this.state.start + i + 2, ErrorMessages.InvalidDigit, radix);\n } else if (forceLen) {\n val = 0;\n
invalid = true;\n } else {\n break;\n }\n }\n\n ++this.state.pos;\n total = total * radix +
val;\n }\n\n if (this.state.pos === start || len != null && this.state.pos - start !== len || invalid) {\n return
null;\n }\n\n return total;\n }\n\n readRadixNumber(radix) {\n const start = this.state.pos;\n
let isBigInt = false;\n this.state.pos += 2;\n const val = this.readInt(radix);\n\n if (val == null) {\n
this.raise(this.state.start + 2, ErrorMessages.InvalidDigit, radix);\n }\n\n const next =
this.input.charCodeAt(this.state.pos);\n\n if (next === 110) {\n ++this.state.pos;\n isBigInt = true;\n } else
if (next === 109) {\n throw this.raise(start, ErrorMessages.InvalidDecimal);\n }\n\n if
(isIdentifierStart(this.input.codePointAt(this.state.pos))) {\n throw this.raise(this.state.pos,
ErrorMessages.NumberIdentifier);\n }\n\n if (isBigInt) {\n const str = this.input.slice(start,
this.state.pos).replace(/[_n]/g, "\\");\n this.finishToken(types.bigint, str);\n return;\n }\n\n
this.finishToken(types.num, val);\n }\n\n readNumber(startsWithDot) {\n const start = this.state.pos;\n let
isFloat = false;\n let isBigInt = false;\n let isDecimal = false;\n let hasExponent = false;\n let isOctal
= false;\n\n if (!startsWithDot && this.readInt(10) === null) {\n this.raise(start,
ErrorMessages.InvalidNumber);\n }\n\n const hasLeadingZero = this.state.pos - start >= 2 &&
this.input.charCodeAt(start) === 48;\n\n if (hasLeadingZero) {\n const integer = this.input.slice(start,
this.state.pos);\n\n if (this.state.strict) {\n this.raise(start, ErrorMessages.StrictOctalLiteral);\n } else {\n
const underscorePos = integer.indexOf("_");\n\n if (underscorePos > 0) {\n this.raise(underscorePos +
start, ErrorMessages.ZeroDigitNumericSeparator);\n }\n }\n\n isOctal = hasLeadingZero &&
!/[89]/.test(integer);\n }\n\n let next = this.input.charCodeAt(this.state.pos);\n\n if (next === 46 && !isOctal)
{\n ++this.state.pos;\n this.readInt(10);\n isFloat = true;\n next = this.input.charCodeAt(this.state.pos);\n
}\n\n if ((next === 69 || next === 101) && !isOctal) {\n next =
this.input.charCodeAt(++this.state.pos);\n\n if (next === 43 || next === 45) {\n ++this.state.pos;\n }\n\n
if (this.readInt(10) === null) {\n this.raise(start, ErrorMessages.InvalidOrMissingExponent);\n }\n\n

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isFloat = true;\n hasExponent = true;\n next = this.input.charCodeAt(this.state.pos);\n }\n\n if (next === 110) {\n if (isFloat || hasLeadingZero) {\n this.raise(start, ErrorMessages.InvalidBigIntLiteral);\n }\n\n ++this.state.pos;\n isBigInt = true;\n }\n\n if (next === 109) {\n this.expectPlugin("decimal", this.state.pos);\n\n if (hasExponent || hasLeadingZero) {\n this.raise(start, ErrorMessages.InvalidDecimal);\n }\n\n ++this.state.pos;\n isDecimal = true;\n }\n\n if (isIdentifierStart(this.input.codePointAt(this.state.pos))) {\n throw this.raise(this.state.pos, ErrorMessages.NumberIdentifier);\n }\n\n const str = this.input.slice(start, this.state.pos).replace(/[_mn]/g, "\\");\n\n if (isBigInt) {\n this.finishToken(types.bigint, str);\n return;\n }\n\n if (isDecimal) {\n this.finishToken(types.decimal, str);\n return;\n }\n\n const val = isOctal ? parseInt(str, 8) : parseFloat(str);\n this.finishToken(types.num, val);\n}\n\nreadCodePoint(throwOnInvalid) {\n const ch = this.input.charCodeAt(this.state.pos);\n let code;\n\n if (ch === 123) {\n const codePos = ++this.state.pos;\n code = this.readHexChar(this.input.indexOf("}", this.state.pos) - this.state.pos, true, throwOnInvalid);\n ++this.state.pos;\n\n if (code !== null && code > 0x10ffff) {\n if (throwOnInvalid) {\n this.raise(codePos, ErrorMessages.InvalidCodePoint);\n } else {\n return null;\n }\n } else {\n code = this.readHexChar(4, false, throwOnInvalid);\n }\n\n return code;\n }\n\n readString(quote) {\n let out = "",\n chunkStart = ++this.state.pos;\n\n for (;;) {\n if (this.state.pos >= this.length) {\n throw this.raise(this.state.start, ErrorMessages.UnterminatedString);\n }\n\n const ch = this.input.charCodeAt(this.state.pos);\n\n if (ch === quote) break;\n\n if (ch === 92) {\n out += this.input.slice(chunkStart, this.state.pos);\n out += this.readEscapedChar(false);\n chunkStart = this.state.pos;\n } else if (ch === 8232 || ch === 8233) {\n ++this.state.pos;\n ++this.state.curLine;\n this.state.lineStart = this.state.pos;\n } else if (isNewLine(ch)) {\n throw this.raise(this.state.start, ErrorMessages.UnterminatedString);\n } else {\n ++this.state.pos;\n }\n }\n\n out += this.input.slice(chunkStart, this.state.pos);\n this.finishToken(types.string, out);\n }\n\n readTplToken() {\n let out = "",\n chunkStart = this.state.pos,\n containsInvalid = false;\n\n for (;;) {\n if (this.state.pos >= this.length) {\n throw this.raise(this.state.start, ErrorMessages.UnterminatedTemplate);\n }\n\n const ch = this.input.charCodeAt(this.state.pos);\n\n if (ch === 96 || ch === 36 && this.input.charCodeAt(this.state.pos + 1) === 123) {\n if (this.state.pos === this.state.start && this.match(types.template)) {\n if (ch === 36) {\n this.state.pos += 2;\n this.finishToken(types.dollarBraceL);\n return;\n } else {\n ++this.state.pos;\n this.finishToken(types.backQuote);\n return;\n }\n }\n\n out += this.input.slice(chunkStart, this.state.pos);\n this.finishToken(types.template, containsInvalid ? null : out);\n return;\n }\n\n if (ch === 92) {\n out += this.input.slice(chunkStart, this.state.pos);\n const escaped = this.readEscapedChar(true);\n\n if (escaped === null) {\n containsInvalid = true;\n } else {\n out += escaped;\n }\n\n chunkStart = this.state.pos;\n } else if (isNewLine(ch)) {\n out += this.input.slice(chunkStart, this.state.pos);\n ++this.state.pos;\n\n switch (ch) {\n case 13:\n if (this.input.charCodeAt(this.state.pos) === 10) {\n ++this.state.pos;\n }\n\n case 10:\n out += "\\n";\n break;\n\n default:\n out += String.fromCharCode(ch);\n break;\n }\n\n ++this.state.curLine;\n this.state.lineStart = this.state.pos;\n chunkStart = this.state.pos;\n } else {\n ++this.state.pos;\n }\n }\n\n readEscapedChar(inTemplate) {\n const throwOnInvalid = !inTemplate;\n const ch = this.input.charCodeAt(++this.state.pos);\n ++this.state.pos;\n\n switch (ch) {\n case 110:\n return "\\n";\n\n case 114:\n return "\\r";\n\n case 120:\n {\n const code = this.readHexChar(2, false, throwOnInvalid);\n return code === null ? null : String.fromCharCode(code);\n }\n\n case 117:\n {\n const code = this.readCodePoint(throwOnInvalid);\n return code === null ? null : String.fromCodePoint(code);\n }\n\n case 116:\n return "\\t";\n\n case 98:\n return "\\b";\n\n case 118:\n return "\\u000b";\n\n case 102:\n return "\\f";\n\n case 13:\n if

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(this.input.charCodeAt(this.state.pos) === 10) {\n ++this.state.pos;\n }\n\n case 10:\n this.state.lineStart = this.state.pos;\n ++this.state.curLine;\n\n case 8232:\n case 8233:\n return\n \"\\\";\n\n case 56:\n case 57:\n if (inTemplate) {\n return null;\n } else if (this.state.strict) {\n this.raise(this.state.pos - 1,\n ErrorMessages.StrictNumericEscape);\n }\n\n default:\n if (ch >= 48 && ch <= 55) {\n const\n codePos = this.state.pos - 1;\n const match = this.input.substr(this.state.pos - 1, 3).match(/^[0-7]+/);\n let\n octalStr = match[0];\n let octal = parseInt(octalStr, 8);\n if (octal > 255) {\n octalStr =\n octalStr.slice(0, -1);\n octal = parseInt(octalStr, 8);\n }\n this.state.pos += octalStr.length - 1;\n const next = this.input.charCodeAt(this.state.pos);\n if (octalStr !== \"0\" || next === 56 || next === 57)\n {\n if (inTemplate) {\n return null;\n } else if (this.state.strict) {\n this.raise(codePos,\n ErrorMessages.StrictNumericEscape);\n } else {\n this.state.octalPositions.push(codePos);\n }\n }\n return String.fromCharCode(octal);\n }\n\n return String.fromCharCode(ch);\n }\n\n readHexChar(len, forceLen, throwOnInvalid) {\n const codePos = this.state.pos;\n const n =\n this.readInt(16, len, forceLen, false);\n if (n === null) {\n if (throwOnInvalid) {\n this.raise(codePos,\n ErrorMessages.InvalidEscapeSequence);\n } else {\n this.state.pos = codePos - 1;\n }\n }\n return\n n;\n }\n\n readWord1() {\n let word = \"\";\n this.state.containsEsc = false;\n const start = this.state.pos;\n let chunkStart = this.state.pos;\n while (this.state.pos < this.length) {\n const ch =\n this.input.codePointAt(this.state.pos);\n if (isIdentifierChar(ch)) {\n this.state.pos += ch <= 0xffff ? 1 : 2;\n } else if (this.state.isIterator && ch === 64) {\n ++this.state.pos;\n } else if (ch === 92) {\n this.state.containsEsc = true;\n word += this.input.slice(chunkStart, this.state.pos);\n const escStart =\n this.state.pos;\n const\n identifierCheck = this.state.pos === start ? isIdentifierStart : isIdentifierChar;\n if\n (this.input.charCodeAt(++this.state.pos) !== 117) {\n this.raise(this.state.pos,\n ErrorMessages.MissingUnicodeEscape);\n continue;\n }\n ++this.state.pos;\n const esc =\n this.readCodePoint(true);\n if (esc !== null) {\n if (!identifierCheck(esc)) {\n this.raise(escStart,\n ErrorMessages.EscapedCharNotAnIdentifier);\n }\n word += String.fromCharCode(esc);\n }\n chunkStart = this.state.pos;\n } else {\n break;\n }\n }\n return word + this.input.slice(chunkStart,\n this.state.pos);\n }\n\n isIterator(word) {\n return word === \"@@iterator\" || word === \"@@asyncIterator\";\n }\n\n readWord() {\n const word = this.readWord1();\n const type = keywords.get(word) || types.name;\n if\n (this.state.isIterator && (!this.isIterator(word) || !this.state.inType))\n {\n this.raise(this.state.pos, ErrorMessages.InvalidIdentifier, word);\n }\n this.finishToken(type, word);\n }\n\n checkKeywordEscapes() {\n const kw = this.state.type.keyword;\n if (kw && this.state.containsEsc) {\n this.raise(this.state.start, ErrorMessages.InvalidEscapedReservedWord, kw);\n }\n }\n\n braceIsBlock(prevType) {\n const parent = this.curContext();\n if (parent === types.$1.functionExpression ||\n parent === types.$1.functionStatement) {\n return true;\n }\n if (prevType === types.colon && (parent ===\n types.$1.braceStatement || parent === types.$1.braceExpression)) {\n return !parent.isExpr;\n }\n if\n (prevType === types._return || prevType === types.name && this.state.exprAllowed) {\n return\n this.hasPrecedingLineBreak();\n }\n if (prevType === types._else || prevType === types.semi || prevType ===\n types.eof || prevType === types.parenR || prevType === types.arrow) {\n return true;\n }\n if (prevType === types.braceL) {\n return parent === types.$1.braceStatement;\n }\n if (prevType ===\n types._var || prevType === types._const || prevType === types.name) {\n return false;\n }\n if (prevType\n === types.relational) {\n return true;\n }\n return !this.state.exprAllowed;\n }\n\n updateContext(prevType) {\n const type = this.state.type;\n let update;\n if (type.keyword && (prevType\n === types.dot || prevType === types.questionDot)) {\n this.state.exprAllowed = false;\n } else if (update =\n type.updateContext) {\n update.call(this, prevType);\n } else {\n this.state.exprAllowed =\n type.beforeExpr;\n }\n }\n }\n\n class UtilParser extends Tokenizer {\n addExtra(node, key, val) {\n if (!node)\n return;\n const extra = node.extra = node.extra || {};\n extra[key] = val;\n }\n\n isRelational(op) {\n return\n this.match(types.relational) && this.state.value === op;\n }\n\n expectRelational(op) {\n

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if (this.isRelational(op)) {\n this.next();\n } else {\n this.unexpected(null, types.relational);\n }\n }\n\nisContextual(name) {\n return this.match(types.name) && this.state.value === name && !this.state.containsEsc;\n }\n\nisUnparsedContextual(nameStart, name) {\n const nameEnd = nameStart + name.length;\n return\n this.input.slice(nameStart, nameEnd) === name && (nameEnd === this.input.length ||\n !isIdentifierChar(this.input.charCodeAtAt(nameEnd))); \n }\n\nisLookaheadContextual(name) {\n const next =\n this.nextTokenStart();\n return this.isUnparsedContextual(next, name);\n }\n\neatContextual(name) {\n return\n this.isContextual(name) && this.eat(types.name);\n }\n\nexpectContextual(name, message) {\n if\n (!this.eatContextual(name)) this.unexpected(null, message);\n }\n\ncanInsertSemicolon() {\n return\n this.match(types.eof) || this.match(types.braceR) || this.hasPrecedingLineBreak();\n }\n\nhasPrecedingLineBreak()\n{\n return\n lineBreak.test(this.input.slice(this.state.lastTokEnd, this.state.start));\n }\n\nisLineTerminator() {\n return\n this.eat(types.semi) || this.canInsertSemicolon();\n }\n\nsemicolon() {\n if (!this.isLineTerminator())\n this.unexpected(null, types.semi);\n }\n\nexpect(type, pos) {\n this.eat(type) || this.unexpected(pos, type);\n }\n\nassertNoSpace(message = \"Unexpected space.\") {\n if (this.state.start > this.state.lastTokEnd) {\n this.raise(this.state.lastTokEnd, message);\n }\n }\n\nunexpected(pos, messageOrType = \"Unexpected token\")\n{\n if (typeof messageOrType !== \"string\") {\n messageOrType = `Unexpected token, expected\n        \"${messageOrType.label}\"`;\n }\n throw this.raise(pos != null ? pos : this.state.start, messageOrType);\n }\n\nexpectPlugin(name, pos) {\n if (!this.hasPlugin(name)) {\n throw this.raiseWithData(pos != null ? pos :\n this.state.start, {\n missingPlugin: [name]\n }, `This experimental syntax\n        requires enabling the parser plugin: '${name}'`);\n }\n }\n\nexpectOnePlugin(names, pos) {\n if (!names.some(n => this.hasPlugin(n))) {\n throw this.raiseWithData(pos != null ? pos : this.state.start, {\n missingPlugin: names\n }, `This experimental syntax requires enabling one of the following parser plugin(s):\n        \"${names.join(\"\\\", \"\")}\"`);\n }\n }\n\ntryParse(fn, oldState = this.state.clone()) {\n const abortSignal = {\n node: null\n }; \n try {\n const node = fn((node = null) => {\n abortSignal.node = node;\n throw\n abortSignal;\n }); \n if (this.state.errors.length > oldState.errors.length) {\n const failState = this.state;\n this.state = oldState;\n return {\n node,\n error: failState.errors[oldState.errors.length],\n thrown: false,\n aborted: false,\n failState\n }; \n }\n return {\n node,\n error: null,\n thrown: false,\n aborted: false,\n failState: null\n }; \n } catch (error) {\n const\n failState = this.state;\n this.state = oldState;\n if (error instanceof SyntaxError) {\n return {\n node:\n null,\n error,\n thrown: true,\n aborted: false,\n failState\n }; \n }\n if (error ===\n abortSignal) {\n return {\n node: abortSignal.node,\n error: null,\n thrown: false,\n aborted: true,\n failState\n }; \n }\n throw error;\n }\n }\n\ncheckExpressionErrors(refExpressionErrors, andThrow) {\n if (!refExpressionErrors) return false;\n const {\n shorthandAssign,\n doubleProto\n } = refExpressionErrors;\n if (!andThrow) return shorthandAssign >= 0 ||\n doubleProto >= 0;\n if (shorthandAssign >= 0) {\n this.unexpected(shorthandAssign);\n }\n if\n (doubleProto >=\n 0) {\n this.raise(doubleProto, ErrorMessages.DuplicateProto);\n }\n }\n\nisLiteralPropertyName() {\n return this.match(types.name) || !!this.state.type.keyword || this.match(types.string) || this.match(types.num) ||\n this.match(types.bigint) || this.match(types.decimal);\n }\n\n}\n\nclass ExpressionErrors {\n constructor() {\n this.shorthandAssign = -1;\n this.doubleProto = -1;\n }\n }\n\nclass Node {\n constructor(parser, pos, loc) {\n this.type = void 0;\n this.start = void 0;\n this.end = void 0;\n this.loc = void 0;\n this.range = void 0;\n this.leadingComments = void 0;\n this.trailingComments = void 0;\n this.innerComments = void 0;\n this.extra = void 0;\n this.type = \"\";\n this.start = pos;\n this.end = 0;\n this.loc = new SourceLocation(loc);\n if\n (parser == null ? void 0 : parser.options.ranges) this.range = [pos, 0];\n if (parser == null ? void 0 :\n parser.filename)\n this.loc.filename = parser.filename;\n }\n\n __clone() {\n const newNode = new Node();\n const keys = Object.keys(this);\n for (let i = 0, length =\n keys.length; i < length; i++) {\n const key = keys[i];\n if (key !== \"leadingComments\" && key !==\n \"trailingComments\" && key !== \"innerComments\")\n newNode[key] = this[key];\n }\n return\n newNode;\n }\n }
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newNode;\n }\n\n}\n\nclass NodeUtils extends UtilParser {\n startNode() {\n return new Node(this,\n this.state.start, this.state.startLoc);\n }\n\n startNodeAt(pos, loc) {\n return new Node(this, pos, loc);\n }\n\n startNodeAtNode(type) {\n return this.startNodeAt(type.start, type.loc.start);\n }\n\n finishNode(node, type) {\n return this.finishNodeAt(node, type, this.state.lastTokEnd, this.state.lastTokEndLoc);\n }\n\n finishNodeAt(node,\n type, pos, loc) {\n\n node.type = type;\n node.end = pos;\n node.loc.end = loc;\n if (this.options.ranges)\n node.range[1] = pos;\n this.processComment(node);\n return node;\n }\n\n resetStartLocation(node, start, startLoc) {\n node.start = start;\n node.loc.start = startLoc;\n if\n (this.options.ranges) node.range[0] = start;\n }\n\n resetEndLocation(node, end = this.state.lastTokEnd, endLoc =\n this.state.lastTokEndLoc) {\n node.end = end;\n node.loc.end = endLoc;\n if (this.options.ranges)\n node.range[1] = end;\n }\n\n resetStartLocationFromNode(node, locationNode) {\n this.resetStartLocation(node,\n locationNode.start, locationNode.loc.start);\n }\n\n}\n\nconst unwrapParenthesizedExpression = node => {\n return\n node.type === \"ParenthesizedExpression\" ? unwrapParenthesizedExpression(node.expression) : node;\n};\n\nclass\n LValParser extends NodeUtils {\n toAssignable(node) {\n var _node$extra, _node$extra3;\n\n let parenthesized\n = undefined;\n\n if (node.type === \"ParenthesizedExpression\" || ((_node$extra = node.extra) == null ? void 0 :\n _node$extra.parenthesized)) {\n parenthesized = unwrapParenthesizedExpression(node);\n\n if (parenthesized.type !== \"Identifier\" && parenthesized.type !== \"MemberExpression\") {\n this.raise(node.start, ErrorMessages.InvalidParenthesizedAssignment);\n }\n\n switch (node.type) {\n case \"Identifier\":\n case \"ObjectPattern\":\n case \"ArrayPattern\":\n case \"AssignmentPattern\":\n break;\n\n case \"ObjectExpression\":\n node.type = \"ObjectPattern\";\n\n for (let i = 0, length =\n node.properties.length, last = length - 1; i < length; i++) {\n var _node$extra2;\n\n const prop =\n node.properties[i];\n\n const isLast = i === last;\n\n this.toAssignableObjectExpressionProp(prop,\n isLast);\n\n if (isLast && prop.type === \"RestElement\" && ((_node$extra2 = node.extra) == null ? void 0 :\n _node$extra2.trailingComma)) {\n this.raiseRestNotLast(node.extra.trailingComma);\n }\n\n }\n\n break;\n\n case \"ObjectProperty\":\n this.toAssignable(node.value);\n break;\n\n case \"SpreadElement\":\n {\n this.checkToRestConversion(node);\n\n node.type = \"RestElement\";\n\n const arg = node.argument;\n\n this.toAssignable(arg);\n\n break;\n }\n\n case \"ArrayExpression\":\n node.type =\n \"ArrayPattern\";\n\n this.toAssignableList(node.elements, (_node$extra3 = node.extra) == null ? void 0 :\n _node$extra3.trailingComma);\n break;\n\n case \"AssignmentExpression\":\n if (node.operator !==\n \"=\") {\n this.raise(node.left.end, ErrorMessages.MissingEqInAssignment);\n }\n\n node.type =\n \"AssignmentPattern\";\n\n delete node.operator;\n\n this.toAssignable(node.left);\n break;\n\n case\n \"ParenthesizedExpression\":\n this.toAssignable(parenthesized);\n break;\n }\n\n return node;\n }\n\n toAssignableObjectExpressionProp(prop, isLast) {\n if (prop.type\n === \"ObjectMethod\") {\n const error = prop.kind === \"get\" || prop.kind === \"set\" ?\n ErrorMessages.PatternHasAccessor : ErrorMessages.PatternHasMethod;\n\n this.raise(prop.key.start, error);\n }\n else if (prop.type === \"SpreadElement\" && !isLast) {\n this.raiseRestNotLast(prop.start);\n }\n else {\n this.toAssignable(prop);\n }\n }\n\n toAssignableList(exprList, trailingCommaPos) {\n let end =\n exprList.length;\n\n if (end) {\n const last = exprList[end - 1];\n\n if ((last == null ? void 0 : last.type) ===\n \"RestElement\") {\n --end;\n }\n else if ((last == null ? void 0 : last.type) === \"SpreadElement\") {\n last.type = \"RestElement\";\n const arg = last.argument;\n this.toAssignable(arg);\n\n if (arg.type !==\n \"Identifier\" && arg.type !== \"MemberExpression\" && arg.type !== \"ArrayPattern\" && arg.type !==\n \"ObjectPattern\") {\n this.unexpected(arg.start);\n }\n\n if\n (trailingCommaPos) {\n this.raiseTrailingCommaAfterRest(trailingCommaPos);\n }\n\n --end;\n }\n }\n\n for (let i = 0; i < end; i++) {\n const elt = exprList[i];\n\n if (elt) {\n this.toAssignable(elt);\n\n if (elt.type === \"RestElement\") {\n this.raiseRestNotLast(elt.start);\n }\n }\n }\n\n return exprList;\n }\n\n toReferencedList(exprList, isParenthesizedExpr) {\n return exprList;\n }\n\n toReferencedListDeep(exprList, isParenthesizedExpr) {\n this.toReferencedList(exprList,\n isParenthesizedExpr);\n\n for (let _i = 0; _i < exprList.length; _i++) {\n const expr = exprList[_i];\n\n if

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((expr == null ? void 0 : expr.type) === "ArrayExpression") {\n this.toReferencedListDeep(expr.elements);\n }\n }\n }\n\n parseSpread(refExpressionErrors, refNeedsArrowPos) {\n const node = this.startNode();\n this.next();\n node.argument = this.parseMaybeAssignAllowIn(refExpressionErrors,\n undefined, refNeedsArrowPos);\n return this.finishNode(node, "SpreadElement");\n }\n\n parseRestBinding()\n {\n const node = this.startNode();\n this.next();\n node.argument = this.parseBindingAtom();\n return\n this.finishNode(node, "RestElement");\n }\n\n parseBindingAtom() {\n switch (this.state.type) {\n case\n types.bracketL:\n {\n const node = this.startNode();\n this.next();\n node.elements =\n this.parseBindingList(types.bracketR, 93, true);\n return this.finishNode(node, "ArrayPattern");\n }\n\n case types.braceL:\n return this.parseObjectLike(types.braceR, true);\n }\n\n return this.parseIdentifier();\n }\n\n parseBindingList(close, closeCharCode, allowEmpty, allowModifiers) {\n const elts = [];\n let first =\n true;\n\n while (!this.eat(close)) {\n if (first) {\n first = false;\n } else {\n this.expect(types.comma);\n }\n\n if (allowEmpty && this.match(types.comma)) {\n elts.push(null);\n } else if (this.eat(close)) {\n break;\n } else if (this.match(types.ellipsis)) {\n elts.push(this.parseAssignableListItemTypes(this.parseRestBinding()));\n this.checkCommaAfterRest(closeCharCode);\n this.expect(close);\n break;\n } else {\n const\n decorators = [];\n\n if (this.match(types.at) && this.hasPlugin("decorators")) {\n this.raise(this.state.start,\n ErrorMessages.UnsupportedParameterDecorator);\n }\n\n while (this.match(types.at)) {\n decorators.push(this.parseDecorator());\n }\n\n elts.push(this.parseAssignableListItem(allowModifiers,\n decorators));\n }\n }\n\n return elts;\n }\n\n parseAssignableListItem(allowModifiers, decorators) {\n const left = this.parseMaybeDefault();\n this.parseAssignableListItemTypes(left);\n const elt =\n this.parseMaybeDefault(left.start, left.loc.start,\n left);\n\n if (decorators.length) {\n left.decorators = decorators;\n }\n\n return elt;\n }\n\n }\n\n parseAssignableListItemTypes(param) {\n return param;\n }\n\n parseMaybeDefault(startPos, startLoc, left) {\n var _startLoc, _startPos, _left;\n\n startLoc = (_startLoc = startLoc) != null ? _startLoc : this.state.startLoc;\n startPos = (_startPos = startPos) != null ? _startPos : this.state.start;\n left = (_left = left) != null ? _left :\n this.parseBindingAtom();\n if (!this.eat(types.eq)) return left;\n const node = this.startNodeAt(startPos,\n startLoc);\n node.left = left;\n node.right = this.parseMaybeAssignAllowIn();\n return this.finishNode(node,\n "AssignmentPattern");\n }\n\n checkLVal(expr, bindingType = BIND_NONE, checkClashes, contextDescription,\n disallowLetBinding, strictModeChanged = false) {\n switch (expr.type) {\n case "Identifier":\n if\n (this.state.strict && (strictModeChanged ? isStrictBindReservedWord(expr.name,\n this.inModule) : isStrictBindOnlyReservedWord(expr.name))) {\n this.raise(expr.start, bindingType ===\n BIND_NONE ? ErrorMessages.StrictEvalArguments : ErrorMessages.StrictEvalArgumentsBinding, expr.name);\n }\n\n if (checkClashes) {\n const key = `_${expr.name}`;\n\n if (checkClashes[key]) {\n this.raise(expr.start, ErrorMessages.ParamDupe);\n } else {\n checkClashes[key] = true;\n }\n }\n\n if (disallowLetBinding && expr.name === "let") {\n this.raise(expr.start,\n ErrorMessages.LetInLexicalBinding);\n }\n\n if (!(bindingType & BIND_NONE)) {\n this.scope.declareName(expr.name, bindingType, expr.start);\n }\n\n break;\n\n case\n "MemberExpression":\n if (bindingType !== BIND_NONE) {\n this.raise(expr.start,\n ErrorMessages.InvalidPropertyBindingPattern);\n }\n\n break;\n\n case "ObjectPattern":\n for (let _i2 = 0, _expr$properties = expr.properties; _i2 < _expr$properties.length; _i2++) {\n let prop =\n _expr$properties[_i2];\n\n if (prop.type === "ObjectProperty") prop = prop.value; else if (prop.type ===\n "ObjectMethod") continue;\n\n this.checkLVal(prop, bindingType, checkClashes, "object destructuring\n pattern", disallowLetBinding);\n }\n\n break;\n\n case "ArrayPattern":\n for (let _i3 = 0,\n _expr$elements = expr.elements; _i3 < _expr$elements.length; _i3++) {\n const elem =\n _expr$elements[_i3];\n\n if (elem) {\n this.checkLVal(elem, bindingType, checkClashes, "array\n destructuring pattern", disallowLetBinding);\n }\n }\n\n break;\n\n case "AssignmentPattern":\n this.checkLVal(expr.left, bindingType, checkClashes, "assignment pattern");\n break;\n\n case

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(this.hasPlugin("topLevelAwait") && this.inModule) {\n paramFlags
|= PARAM_AWAIT;\n } \n\n this.scope.enter(SCOPE_PROGRAM);\n this.prodParam.enter(paramFlags);\n
this.nextToken();\n const expr = this.parseExpression();\n\n if (!this.match(types.eof)) {\n
this.unexpected();\n } \n\n expr.comments = this.state.comments;\n expr.errors = this.state.errors;\n return
expr;\n } \n\n parseExpression(disallowIn, refExpressionErrors) {\n if (disallowIn) {\n return
this.disallowInAnd(() => this.parseExpressionBase(refExpressionErrors));\n } \n\n return this.allowInAnd(() =>
this.parseExpressionBase(refExpressionErrors));\n } \n\n parseExpressionBase(refExpressionErrors) {\n const
startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const expr =
this.parseMaybeAssign(refExpressionErrors);\n\n if (this.match(types.comma)) {\n const node =
this.startNodeAt(startPos, startLoc);\n node.expressions = [expr];\n\n while (this.eat(types.comma)) {\n
node.expressions.push(this.parseMaybeAssign(refExpressionErrors));\n
}\n\n this.toReferencedList(node.expressions);\n return this.finishNode(node, "SequenceExpression");\n
}\n\n return expr;\n } \n\n parseMaybeAssignDisallowIn(refExpressionErrors, afterLeftParse, refNeedsArrowPos)
{\n return this.disallowInAnd(() => this.parseMaybeAssign(refExpressionErrors, afterLeftParse,
refNeedsArrowPos));\n } \n\n parseMaybeAssignAllowIn(refExpressionErrors, afterLeftParse, refNeedsArrowPos)
{\n return this.allowInAnd(() => this.parseMaybeAssign(refExpressionErrors, afterLeftParse,
refNeedsArrowPos));\n } \n\n parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n
const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n\n if (this.isContextual("yield")) {\n if
(this.prodParam.hasYield) {\n this.state.exprAllowed = true;\n let left = this.parseYield();\n\n if
(afterLeftParse) {\n left = afterLeftParse.call(this,
left, startPos, startLoc);\n } \n\n return left;\n } \n } \n\n let ownExpressionErrors;\n\n if
(refExpressionErrors) {\n ownExpressionErrors = false;\n } else {\n refExpressionErrors = new
ExpressionErrors();\n ownExpressionErrors = true;\n } \n\n if (this.match(types.parenL) ||
this.match(types.name)) {\n this.state.potentialArrowAt = this.state.start;\n } \n\n let left =
this.parseMaybeConditional(refExpressionErrors, refNeedsArrowPos);\n\n if (afterLeftParse) {\n left =
afterLeftParse.call(this, left, startPos, startLoc);\n } \n\n if (this.state.type.isAssign) {\n const node =
this.startNodeAt(startPos, startLoc);\n const operator = this.state.value;\n node.operator = operator;\n\n if
(this.match(types.eq)) {\n node.left = this.toAssignable(left);\n refExpressionErrors.doubleProto = -1;\n
} else {\n node.left = left;\n } \n\n if (refExpressionErrors.shorthandAssign
>= node.left.start) {\n refExpressionErrors.shorthandAssign = -1;\n } \n\n this.checkLVal(left, undefined,
undefined, "assignment expression");\n this.next();\n node.right = this.parseMaybeAssign();\n return
this.finishNode(node, "AssignmentExpression");\n } else if (ownExpressionErrors) {\n
this.checkExpressionErrors(refExpressionErrors, true);\n } \n\n return left;\n } \n\n
parseMaybeConditional(refExpressionErrors, refNeedsArrowPos) {\n const startPos = this.state.start;\n const
startLoc = this.state.startLoc;\n const potentialArrowAt = this.state.potentialArrowAt;\n const expr =
this.parseExprOps(refExpressionErrors);\n\n if (this.shouldExitDescending(expr, potentialArrowAt)) {\n return
expr;\n } \n\n return this.parseConditional(expr, startPos, startLoc, refNeedsArrowPos);\n } \n\n
parseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n if (this.eat(types.question)) {\n const
node = this.startNodeAt(startPos, startLoc);\n node.test = expr;\n node.consequent =
this.parseMaybeAssignAllowIn();\n this.expect(types.colon);\n node.alternate = this.parseMaybeAssign();\n
return this.finishNode(node, "ConditionalExpression");\n } \n\n return expr;\n } \n\n
parseExprOps(refExpressionErrors) {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n
const potentialArrowAt = this.state.potentialArrowAt;\n const expr =
this.parseMaybeUnary(refExpressionErrors);\n\n if (this.shouldExitDescending(expr, potentialArrowAt)) {\n
return expr;\n } \n\n return this.parseExprOp(expr, startPos, startLoc, -1);\n } \n\n parseExprOp(left, leftStartPos,
leftStartLoc, minPrec) {\n let prec = this.state.type.binop;\n\n if (prec != null && (this.prodParam.hasIn ||
!this.match(types._in))) {\n if (prec > minPrec) {\n const op = this.state.type;\n\n if (op ===
types.pipeline) {\n

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 this.expectPlugin("\pipelineOperator\");\n\n if (this.state.inFSharpPipelineDirectBody) {\n return
left;\n }\n\n this.state.inPipeline = true;\n this.checkPipelineAtInfixOperator(left, leftStartPos);\n\n }\n\n const node = this.startNodeAt(leftStartPos, leftStartLoc);\n node.left = left;\n node.operator =
this.state.value;\n\n if (op === types.exponent && left.type === "UnaryExpression" &&
(this.options.createParenthesizedExpressions || !(left.extra && left.extra.parenthesized))) {\n
this.raise(left.argument.start, ErrorMessages.UnexpectedTokenUnaryExponentiation);\n }\n\n const logical
= op === types.logicalOR || op === types.logicalAND;\n const coalesce = op === types.nullishCoalescing;\n\n if (coalesce) {\n prec = types.logicalAND.binop;\n }\n\n this.next();\n\n if (op ===
types.pipeline && this.getPluginOption("\pipelineOperator",
"\proposal") === "minimal") {\n if (this.match(types.name) && this.state.value === "await" &&
this.prodParam.hasAwait) {\n throw this.raise(this.state.start,
ErrorMessages.UnexpectedAwaitAfterPipelineBody);\n }\n\n }\n\n node.right =
this.parseExprOpRightExpr(op, prec);\n this.finishNode(node, logical || coalesce ? "LogicalExpression" :
"BinaryExpression");\n const nextOp = this.state.type;\n\n if (coalesce && (nextOp === types.logicalOR
|| nextOp === types.logicalAND) || logical && nextOp === types.nullishCoalescing) {\n throw
this.raise(this.state.start, ErrorMessages.MixingCoalesceWithLogical);\n }\n\n return
this.parseExprOp(node, leftStartPos, leftStartLoc, minPrec);\n }\n }\n\n return left;\n }\n\n parseExprOpRightExpr(op, prec) {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n\n switch (op) {\n case types.pipeline:\n switch
(this.getPluginOption("\pipelineOperator", "\proposal")) {\n case "smart":\n return
this.withTopicPermittingContext(() => {\n return
this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(op, prec), startPos, startLoc);\n });\n\n case "fsharp":\n return this.withSoloAwaitPermittingContext(() => {\n return
this.parseFSharpPipelineBody(prec);\n });\n\n }\n\n default:\n return
this.parseExprOpBaseRightExpr(op, prec);\n }\n\n }\n\n parseExprOpBaseRightExpr(op, prec) {\n const startPos
= this.state.start;\n const startLoc = this.state.startLoc;\n return this.parseExprOp(this.parseMaybeUnary(),
startPos, startLoc, op.rightAssociative ? prec - 1 : prec);\n }\n\n parseMaybeUnary(refExpressionErrors) {\n if
(this.isContextual("await") && this.isAwaitAllowed()) {\n return this.parseAwait();\n }\n\n const update =
this.match(types.incDec);\n const
node = this.startNode();\n\n if (this.state.type.prefix) {\n node.operator = this.state.value;\n node.prefix =
true;\n\n if (this.match(types._throw)) {\n this.expectPlugin("\throwExpressions\");\n }\n\n const
isDelete = this.match(types._delete);\n this.next();\n node.argument = this.parseMaybeUnary();\n\n this.checkExpressionErrors(refExpressionErrors, true);\n\n if (this.state.strict && isDelete) {\n const arg =
node.argument;\n\n if (arg.type === "Identifier") {\n this.raise(node.start, ErrorMessages.StrictDelete);\n }
else if ((arg.type === "MemberExpression" || arg.type === "OptionalMemberExpression") &&
arg.property.type === "PrivateName") {\n this.raise(node.start, ErrorMessages.DeletePrivateField);\n }\n\n }\n\n if (!update) {\n return this.finishNode(node, "UnaryExpression");\n }\n\n }\n\n return
this.parseUpdate(node, update, refExpressionErrors);\n }\n\n }\n\n parseUpdate(node, update, refExpressionErrors) {\n if (update) {\n this.checkLVal(node.argument,
undefined, undefined, "prefix operation");\n return this.finishNode(node, "UpdateExpression");\n }\n\n }\n\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n let expr =
this.parseExprSubscripts(refExpressionErrors);\n if (this.checkExpressionErrors(refExpressionErrors, false))
return expr;\n\n while (this.state.type.postfix && !this.canInsertSemicolon()) {\n const node =
this.startNodeAt(startPos, startLoc);\n node.operator = this.state.value;\n node.prefix = false;\n\n node.argument = expr;\n this.checkLVal(expr, undefined, undefined, "postfix operation");\n this.next();\n\n expr = this.finishNode(node, "UpdateExpression");\n }\n\n return expr;\n }\n\n }\n\n parseExprSubscripts(refExpressionErrors) {\n const startPos = this.state.start;\n const startLoc =
this.state.startLoc;\n

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const potentialArrowAt = this.state.potentialArrowAt;\n const expr =
this.parseExprAtom(refExpressionErrors);\n\n if (this.shouldExitDescending(expr, potentialArrowAt)) {\n
return expr;\n }\n\n return this.parseSubscripts(expr, startPos, startLoc);\n}\n\n parseSubscripts(base, startPos,
startLoc, noCalls) {\n const state = {\n optionalChainMember: false,\n maybeAsyncArrow:
this.atPossibleAsyncArrow(base),\n stop: false\n };\n\n do {\n base = this.parseSubscript(base, startPos,
startLoc, noCalls, state);\n state.maybeAsyncArrow = false;\n } while (!state.stop);\n\n return base;\n}\n\n parseSubscript(base, startPos, startLoc, noCalls, state) {\n if (!noCalls && this.eat(types.doubleColon)) {\n
return this.parseBind(base, startPos, startLoc, noCalls, state);\n } else if (this.match(types.backQuote)) {\n
return this.parseTaggedTemplateExpression(base, startPos, startLoc, state);\n }\n\n let optional =
false;\n\n if (this.match(types.questionDot)) {\n state.optionalChainMember = optional = true;\n\n if
(noCalls && this.lookaheadCharCode() === 40) {\n state.stop = true;\n return base;\n }\n\n this.next();\n }\n\n if (!noCalls && this.match(types.parenL)) {\n return
this.parseCoverCallAndAsyncArrowHead(base, startPos, startLoc, state, optional);\n } else if (optional ||
this.match(types.bracketL) || this.eat(types.dot)) {\n return this.parseMember(base, startPos, startLoc, state,
optional);\n } else {\n state.stop = true;\n return base;\n }\n}\n\n parseMember(base, startPos, startLoc,
state, optional) {\n const node = this.startNodeAt(startPos, startLoc);\n const computed =
this.eat(types.bracketL);\n node.object = base;\n node.computed = computed;\n const property = computed ?
this.parseExpression() : this.parseMaybePrivateName(true);\n\n if (property.type === "PrivateName") {\n if
(node.object.type
=== "Super") {\n this.raise(startPos, ErrorMessages.SuperPrivateField);\n }\n\n this.classScope.usePrivateName(property.id.name, property.start);\n }\n\n node.property = property;\n\n if
(computed) {\n this.expect(types.bracketR);\n }\n\n if (state.optionalChainMember) {\n node.optional =
optional;\n return this.finishNode(node, "OptionalMemberExpression");\n } else {\n return
this.finishNode(node, "MemberExpression");\n }\n}\n\n parseBind(base, startPos, startLoc, noCalls, state) {\n
const node = this.startNodeAt(startPos, startLoc);\n node.object = base;\n node.callee =
this.parseNoCallExpr();\n state.stop = true;\n return this.parseSubscripts(this.finishNode(node,
"BindExpression"), startPos, startLoc, noCalls);\n}\n\n parseCoverCallAndAsyncArrowHead(base, startPos,
startLoc, state, optional) {\n const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n this.state.maybeInArrowParameters
= true;\n this.next();\n let node = this.startNodeAt(startPos, startLoc);\n node.callee = base;\n\n if
(state.maybeAsyncArrow) {\n this.expressionScope.enter(new AsyncArrowScope());\n }\n\n if
(state.optionalChainMember) {\n node.optional = optional;\n }\n\n if (optional) {\n node.arguments =
this.parseCallExpressionArguments(types.parenR, false);\n } else {\n node.arguments =
this.parseCallExpressionArguments(types.parenR, state.maybeAsyncArrow, base.type === "Import", base.type
!== "Super", node);\n }\n\n this.finishCallExpression(node, state.optionalChainMember);\n\n if
(state.maybeAsyncArrow && this.shouldParseAsyncArrow() && !optional) {\n state.stop = true;\n this.expressionScope.validateAsPattern();\n this.expressionScope.exit();\n node =
this.parseAsyncArrowFromCallExpression(this.startNodeAt(startPos, startLoc), node);\n } else {\n if
(state.maybeAsyncArrow) {\n this.expressionScope.exit();\n }\n\n this.toReferencedArguments(node);\n }\n\n this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n return node;\n}\n\n toReferencedArguments(node, isParenthesizedExpr) {\n this.toReferencedListDeep(node.arguments,
isParenthesizedExpr);\n}\n\n parseTaggedTemplateExpression(base, startPos, startLoc, state) {\n const node =
this.startNodeAt(startPos, startLoc);\n node.tag = base;\n node.quasi = this.parseTemplate(true);\n\n if
(state.optionalChainMember) {\n this.raise(startPos, ErrorMessages.OptionalChainingNoTemplate);\n }\n\n return this.finishNode(node, "TaggedTemplateExpression");\n}\n\n atPossibleAsyncArrow(base) {\n return
base.type === "Identifier" && base.name === "async" && this.state.lastTokEnd === base.end &&
!this.canInsertSemicolon() && base.end - base.start === 5 && base.start === this.state.potentialArrowAt;\n}\n\n

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finishCallExpression(node, optional) {\n if
(node.callee.type === "Import") {\n if (node.arguments.length === 2) {\n if
(!this.hasPlugin("moduleAttributes")) {\n this.expectPlugin("importAssertions");\n }\n }\n if
(node.arguments.length === 0 || node.arguments.length > 2) {\n this.raise(node.start,
ErrorMessages.ImportCallArity, this.hasPlugin("importAssertions") || this.hasPlugin("moduleAttributes") ? "one
or two arguments" : "one argument");\n } else {\n for (let _i = 0, _node$arguments = node.arguments; _i <
_node$arguments.length; _i++) {\n const arg = _node$arguments[_i];\n if (arg.type ===
"SpreadElement") {\n this.raise(arg.start, ErrorMessages.ImportCallSpreadArgument);\n }\n }\n }\n return this.finishNode(node, optional ? "OptionalCallExpression" : "CallExpression");\n }\n\n parseCallExpressionArguments(close, possibleAsyncArrow, dynamicImport, allowPlaceholder, nodeForExtra) {\n
 const elts = [];\n let innerParenStart;\n let first = true;\n const oldInFSharpPipelineDirectBody =
this.state.inFSharpPipelineDirectBody;\n this.state.inFSharpPipelineDirectBody = false;\n while
(!this.eat(close)) {\n if (first) {\n first = false;\n } else {\n this.expect(types.comma);\n }\n if
(this.match(close)) {\n if (dynamicImport && !this.hasPlugin("importAssertions") &&
!this.hasPlugin("moduleAttributes")) {\n this.raise(this.state.lastTokStart,
ErrorMessages.ImportCallArgumentTrailingComma);\n }\n if (nodeForExtra) {\n
this.addExtra(nodeForExtra, "trailingComma", this.state.lastTokStart);\n }\n this.next();\n
break;\n }\n }\n if (this.match(types.parenL) && !innerParenStart) {\n innerParenStart =
this.state.start;\n }\n elts.push(this.parseExprListItem(false, possibleAsyncArrow ? new ExpressionErrors() :
undefined, possibleAsyncArrow ? {\n start: 0\n } : undefined, allowPlaceholder));\n }\n if
(possibleAsyncArrow && innerParenStart && this.shouldParseAsyncArrow()) {\n this.unexpected();\n }\n this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n return elts;\n }\n\n shouldParseAsyncArrow() {\n return this.match(types.arrow) && !this.canInsertSemicolon();\n }\n\n parseAsyncArrowFromCallExpression(node, call) {\n var _call$extra;\n this.expect(types.arrow);\n this.parseArrowExpression(node, call.arguments, true, (_call$extra = call.extra) == null ? void 0 :
_call$extra.trailingComma);\n return node;\n }\n\n parseNoCallExpr() {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n return this.parseSubscripts(this.parseExprAtom(), startPos, startLoc, true);\n }\n\n parseExprAtom(refExpressionErrors) {\n if (this.state.type === types.slash) this.readRegexp();\n const
canBeArrow
= this.state.potentialArrowAt === this.state.start;\n let node;\n switch (this.state.type) {\n case
types._super:\n return this.parseSuper();\n case types._import:\n node = this.startNode();\n this.next();\n if (this.match(types.dot)) {\n return this.parseImportMetaProperty(node);\n }\n case types._this:\n node = this.startNode();\n this.next();\n return this.finishNode(node, "ThisExpression");\n case types.name:\n {\n const
containsEsc = this.state.containsEsc;\n const id = this.parseIdentifier();\n if (!containsEsc && id.name
=== "async" && !this.canInsertSemicolon()) {\n if (this.match(types._function)) {\n const last =
this.state.context.length
- 1;\n if (this.state.context[last] !== types$1.functionStatement) {\n throw new Error("Internal
error");\n }\n this.state.context[last] = types$1.functionExpression;\n this.next();\n
return this.parseFunction(this.startNodeAtNode(id), undefined, true);\n } else if (this.match(types.name)) {\n
 return this.parseAsyncArrowUnaryFunction(id);\n }\n }\n if (canBeArrow &&
this.match(types.arrow) && !this.canInsertSemicolon()) {\n this.next();\n return
this.parseArrowExpression(this.startNodeAtNode(id), [id], false);\n }\n return id;\n }\n case
types._do:\n {\n return this.parseDo();\n }\n case types.regexp:\n {\n const value =
this.state.value;\n node = this.parseLiteral(value.value, "RegExpLiteral");\n node.pattern
= value.pattern;\n node.flags = value.flags;\n return node;\n }\n case types.num:\n return
this.parseLiteral(this.state.value, "NumericLiteral");\n case types.bigint:\n return

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this.parseLiteral(this.state.value, \"BigIntLiteral\");\n\n case types.decimal:\n return
this.parseLiteral(this.state.value, \"DecimalLiteral\");\n\n case types.string:\n return
this.parseLiteral(this.state.value, \"StringLiteral\");\n\n case types._null:\n node = this.startNode();\n
this.next();\n return this.finishNode(node, \"NullLiteral\");\n\n case types._true:\n case types._false:\n
return this.parseBooleanLiteral();\n\n case types.parenL:\n return
this.parseParenAndDistinguishExpression(canBeArrow);\n\n case types.bracketBarL:\n case
types.bracketHashL:\n {\n return this.parseArrayLike(this.state.type === types.bracketBarL ?
types.bracketBarR : types.bracketR,
false, true, refExpressionErrors);\n }\n\n case types.bracketL:\n {\n return
this.parseArrayLike(types.bracketR, true, false, refExpressionErrors);\n }\n\n case types.braceBarL:\n
case types.braceHashL:\n {\n return this.parseObjectLike(this.state.type === types.braceBarL ?
types.braceBarR : types.braceR, false, true, refExpressionErrors);\n }\n\n case types.braceL:\n {\n
return this.parseObjectLike(types.braceR, false, false, refExpressionErrors);\n }\n\n case types._function:\n
return this.parseFunctionOrFunctionSent();\n\n case types.at:\n this.parseDecorators();\n\n case
types._class:\n node = this.startNode();\n this.takeDecorators(node);\n return this.parseClass(node,
false);\n\n case types._new:\n return this.parseNewOrNewTarget();\n\n case types.backQuote:\n
return this.parseTemplate(false);\n\n\n case types.doubleColon:\n {\n node = this.startNode();\n this.next();\n node.object = null;\n
const callee = node.callee = this.parseNoCallExpr();\n\n if (callee.type === \"MemberExpression\") {\n
return this.finishNode(node, \"BindExpression\");\n } else {\n throw this.raise(callee.start,
ErrorMessages.UnsupportedBind);\n }\n }\n\n case types.hash:\n {\n if (this.state.inPipeline)
{\n node = this.startNode();\n if (this.getPluginOption(\"pipelineOperator\", \"proposal\") !==
\"smart\") {\n this.raise(node.start, ErrorMessages.PrimaryTopicRequiresSmartPipeline);\n }\n\n
this.next();\n\n if (!this.primaryTopicReferenceIsAllowedInCurrentTopicContext()) {\n
this.raise(node.start, ErrorMessages.PrimaryTopicNotAllowed);\n }\n\n
this.registerTopicReference();\n
return this.finishNode(node, \"PipelinePrimaryTopicReference\");\n }\n\n const nextCh =
this.input.codePointAt(this.state.end);\n\n if (isIdentifierStart(nextCh) || nextCh === 92) {\n const start
= this.state.start;\n node = this.parseMaybePrivateName(true);\n\n if (this.match(types._in)) {\n
this.expectPlugin(\"privateIn\");\n this.classScope.usePrivateName(node.id.name, node.start);\n }
else if (this.hasPlugin(\"privateIn\")) {\n this.raise(this.state.start, ErrorMessages.PrivateInExpectedIn,
node.id.name);\n } else {\n throw this.unexpected(start);\n }\n\n return node;\n }\n\n
}\n\n case types.relational:\n {\n if (this.state.value === \"<\") {\n const lookaheadCh =
this.input.codePointAt(this.nextTokenStart());\n\n if (isIdentifierStart(lookaheadCh) || lookaheadCh ===
62) {\n this.expectOnePlugin([\"jsx\", \"flow\", \"typescript\"]);\n }\n }\n }\n\n
default:\n throw this.unexpected();\n }\n }\n\n parseAsyncArrowUnaryFunction(id) {\n const node =
this.startNodeAtNode(id);\n this.prodParam.enter(functionFlags(true, this.prodParam.hasYield));\n const params
= [this.parseIdentifier();\n this.prodParam.exit();\n\n if (this.hasPrecedingLineBreak()) {\n
this.raise(this.state.pos, ErrorMessages.LineTerminatorBeforeArrow);\n }\n\n this.expect(types.arrow);\n
this.parseArrowExpression(node, params, true);\n return node;\n }\n\n parseDo() {\n
this.expectPlugin(\"doExpressions\");\n const node = this.startNode();\n this.next();\n const oldLabels =
this.state.labels;\n this.state.labels = [];\n node.body = this.parseBlock();\n this.state.labels = oldLabels;\n
return this.finishNode(node, \"DoExpression\");\n }\n\n\n parseSuper() {\n const node
= this.startNode();\n this.next();\n\n if (this.match(types.parenL) && !this.scope.allowDirectSuper &&
!this.options.allowSuperOutsideMethod) {\n this.raise(node.start, ErrorMessages.SuperNotAllowed);\n } else if
(!this.scope.allowSuper && !this.options.allowSuperOutsideMethod) {\n this.raise(node.start,
ErrorMessages.UnexpectedSuper);\n }\n\n if (!this.match(types.parenL) && !this.match(types.bracketL) &&
!this.match(types.dot)) {\n this.raise(node.start, ErrorMessages.UnsupportedSuper);\n }\n\n return

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exprList[_i2];\n\n if (param.extra && param.extra.parenthesized) {\n
this.unexpected(param.extra.parenStart);\n }\n }\n\n this.parseArrowExpression(arrowNode, exprList,\n
false);\n return arrowNode;\n }\n\n this.expressionScope.exit();\n\n if (!exprList.length) {\n
this.unexpected(this.state.lastTokStart);\n }\n\n if (optionalCommaStart)\n
this.unexpected(optionalCommaStart);\n if (spreadStart) this.unexpected(spreadStart);\n
 this.checkExpressionErrors(refExpressionErrors, true);\n if (refNeedsArrowPos.start)\n
this.unexpected(refNeedsArrowPos.start);\n this.toReferencedListDeep(exprList, true);\n\n if (exprList.length >\n
1) {\n val = this.startNodeAt(innerStartPos, innerStartLoc);\n val.expressions = exprList;\n
this.finishNodeAt(val, "SequenceExpression", innerEndPos, innerEndLoc);\n } else {\n val = exprList[0];\n
}\n\n if (!this.options.createParenthesizedExpressions) {\n this.addExtra(val, "parenthesized", true);\n
this.addExtra(val, "parenStart", startPos);\n return val;\n }\n\n const parenExpression =\n
this.startNodeAt(startPos, startLoc);\n parenExpression.expression = val;\n this.finishNode(parenExpression,\n
"ParenthesizedExpression");\n return parenExpression;\n }\n\n shouldParseArrow() {\n return\n
!this.canInsertSemicolon();\n }\n\n parseArrow(node) {\n if (this.eat(types.arrow)) {\n return node;\n
}\n }\n\n parseParenItem(node, startPos, startLoc) {\n return node;\n }\n\n parseNewOrNewTarget() {\n
const node = this.startNode();\n this.next();\n\n if (this.match(types.dot)) {\n const meta =\n
this.createIdentifier(this.startNodeAtNode(node), "new");\n this.next();\n const metaProp =\n
this.parseMetaProperty(node, meta, "target");\n\n if (!this.scope.inNonArrowFunction && !this.scope.inClass)\n
{\n let error = ErrorMessages.UnexpectedNewTarget;\n\n if (this.hasPlugin("classProperties")) {\n
error += " or class properties";\n }\n\n this.raise(metaProp.start, error);\n }\n\n return metaProp;\n
}\n\n return this.parseNew(node);\n }\n\n parseNew(node) {\n node.callee = this.parseNoCallExpr();\n\n if\n
(node.callee.type === "Import") {\n this.raise(node.callee.start,\n
ErrorMessages.ImportCallNotNewExpression);\n } else if (node.callee.type === "OptionalMemberExpression" ||\n
node.callee.type === "OptionalCallExpression") {\n this.raise(this.state.lastTokEnd,\n
ErrorMessages.OptionalChainingNoNew);\n } else if (this.eat(types.questionDot)) {\n this.raise(this.state.start,\n
ErrorMessages.OptionalChainingNoNew);\n }\n\n this.parseNewArguments(node);\n return\n
this.finishNode(node, "NewExpression");\n }\n\n parseNewArguments(node) {\n if (this.eat(types.parenL)) {\n
const args = this.parseExprList(types.parenR);\n this.toReferencedList(args);\n node.arguments = args;\n }\n
else {\n node.arguments = [];\n }\n }\n\n parseTemplateElement(isTagged) {\n const elem =\n
this.startNode();\n\n if (this.state.value === null) {\n if (!isTagged) {\n this.raise(this.state.start + 1,\n
ErrorMessages.InvalidEscapeSequenceTemplate);\n }\n }\n\n elem.value = {\n raw:\n
this.input.slice(this.state.start, this.state.end).replace(/\\r\\n?/g, "\\n"),\n cooked: this.state.value\n };\n
this.next();\n elem.tail = this.match(types.backQuote);\n return this.finishNode(elem, "TemplateElement");\n
}\n\n parseTemplate(isTagged) {\n const node = this.startNode();\n this.next();\n node.expressions = [];\n
let curElt = this.parseTemplateElement(isTagged);\n node.quasis = [curElt];\n\n while (!curElt.tail) {\n
this.expect(types.dollarBraceL);\n node.expressions.push(this.parseTemplateSubstitution());\n
this.expect(types.braceR);\n node.quasis.push(curElt = this.parseTemplateElement(isTagged));\n }\n\n this.next();\n return this.finishNode(node, "TemplateLiteral");\n }\n\n parseTemplateSubstitution() {\n return\n
this.parseExpression();\n }\n\n parseObjectLike(close, isPattern, isRecord, refExpressionErrors) {\n if (isRecord)\n
{\n this.expectPlugin("recordAndTuple");\n }\n\n const oldInFSharpPipelineDirectBody =\n
this.state.inFSharpPipelineDirectBody;\n this.state.inFSharpPipelineDirectBody = false;\n
 const propHash = Object.create(null);\n let first = true;\n const node = this.startNode();\n node.properties =\n
[];\n this.next();\n\n while (!this.match(close)) {\n if (first) {\n first = false;\n } else {\n
this.expect(types.comma);\n\n if (this.match(close)) {\n this.addExtra(node, "trailingComma",\n
this.state.lastTokStart);\n break;\n }\n }\n\n const prop = this.parsePropertyDefinition(isPattern,\n
refExpressionErrors);\n\n if (!isPattern) {\n this.checkProto(prop, isRecord, propHash,\n
refExpressionErrors);\n }\n\n if (isRecord && prop.type !== "ObjectProperty" && prop.type !==\n
"SpreadElement") {\n this.raise(prop.start, ErrorMessages.InvalidRecordProperty);\n }\n\n if

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(prop.shorthand) {\n this.addExtra(prop, \"shorthand\", true);\n }\n\n node.properties.push(prop);\n }\n\n this.state.exprAllowed = false;\n this.next();\n this.state.inFSharpPipelineDirectBody\n = oldInFSharpPipelineDirectBody;\n let type = \"ObjectExpression\";\n\n if (isPattern) {\n type =\n \"ObjectPattern\";\n } else if (isRecord) {\n type = \"RecordExpression\";\n }\n\n return\n this.finishNode(node, type);\n}\n\nmaybeAsyncOrAccessorProp(prop) {\n return !prop.computed &&\n prop.key.type === \"Identifier\" && (this.isLiteralPropertyName() || this.match(types.bracketL) ||\n this.match(types.star));\n}\n\nparsePropertyDefinition(isPattern, refExpressionErrors) {\n let decorators =\n [];\n\n if (this.match(types.at)) {\n if (this.hasPlugin(\"decorators\")) {\n this.raise(this.state.start,\n ErrorMessages.UnsupportedPropertyDecorator);\n }\n\n while (this.match(types.at)) {\n decorators.push(this.parseDecorator());\n }\n\n const prop = this.startNode();\n let isGenerator = false;\n let isAsync = false;\n let isAccessor = false;\n let startPos;\n let startLoc;\n\n if (this.match(types.ellipsis)) {\n if (decorators.length) this.unexpected();\n\n if (isPattern) {\n this.next();\n prop.argument = this.parseIdentifier();\n this.checkCommaAfterRest(125);\n return\n this.finishNode(prop, \"RestElement\");\n }\n\n return this.parseSpread();\n }\n\n if (decorators.length) {\n prop.decorators = decorators;\n decorators = [];\n }\n\n prop.method = false;\n\n if (isPattern ||\n refExpressionErrors) {\n startPos = this.state.start;\n startLoc = this.state.startLoc;\n }\n\n if (!isPattern)\n {\n isGenerator = this.eat(types.star);\n }\n\n const containsEsc = this.state.containsEsc;\n const key =\n this.parsePropertyName(prop, false);\n\n if (!isPattern && !isGenerator && !containsEsc &&\n this.maybeAsyncOrAccessorProp(prop)) {\n const keyName = key.name;\n\n if (keyName === \"async\" &&\n !this.hasPrecedingLineBreak()) {\n isAsync = true;\n }\n\n isGenerator = this.eat(types.star);\n this.parsePropertyName(prop, false);\n }\n\n if (keyName ===\n \"get\" || keyName === \"set\") {\n isAccessor = true;\n prop.kind = keyName;\n\n if\n (this.match(types.star)) {\n isGenerator = true;\n this.raise(this.state.pos,\n ErrorMessages.AccessorIsGenerator, keyName);\n }\n\n this.parsePropertyName(prop,\n false);\n }\n\n this.parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern,\n isAccessor, refExpressionErrors);\n return prop;\n }\n\n getGetterSetterExpectedParamCount(method) {\n return method.kind === \"get\" ? 0 : 1;\n }\n\n getObjectOrClassMethodParams(method) {\n return\n method.params;\n }\n\n checkGetterSetterParams(method) {\n var _params;\n\n const paramCount =\n this.getGetterSetterExpectedParamCount(method);\n const params =\n this.getObjectOrClassMethodParams(method);\n const start\n = method.start;\n\n if (params.length !== paramCount) {\n if (method.kind === \"get\") {\n this.raise(start,\n ErrorMessages.BadGetterArity);\n } else {\n this.raise(start, ErrorMessages.BadSetterArity);\n }\n }\n\n if (method.kind === \"set\" && ((_params = params[params.length - 1]) == null ? void 0 : _params.type) ===\n \"RestElement\") {\n this.raise(start, ErrorMessages.BadSetterRestParameter);\n }\n }\n\n parseObjectMethod(prop, isGenerator, isAsync, isPattern, isAccessor) {\n if (isAccessor) {\n this.parseMethod(prop, isGenerator, false, false, false, \"ObjectMethod\");\n\n this.checkGetterSetterParams(prop);\n return prop;\n }\n\n if (isAsync || isGenerator ||\n this.match(types.parenL)) {\n if (isPattern) this.unexpected();\n prop.kind = \"method\";\n prop.method =\n true;\n return this.parseMethod(prop, isGenerator, isAsync, false, false, \"ObjectMethod\");\n }\n\n parseObjectProperty(prop,\n startPos, startLoc, isPattern, refExpressionErrors) {\n prop.shorthand = false;\n\n if (this.eat(types.colon)) {\n prop.value = isPattern ? this.parseMaybeDefault(this.state.start, this.state.startLoc) :\n this.parseMaybeAssignAllowIn(refExpressionErrors);\n return this.finishNode(prop, \"ObjectProperty\");\n }\n\n if (!prop.computed && prop.key.type === \"Identifier\") {\n this.checkReservedWord(prop.key.name,\n prop.key.start, true, false);\n\n if (isPattern) {\n prop.value = this.parseMaybeDefault(startPos, startLoc,\n prop.key.__clone());\n } else if (this.match(types.eq) && refExpressionErrors) {\n if\n (refExpressionErrors.shorthandAssign === -1) {\n refExpressionErrors.shorthandAssign = this.state.start;\n }\n\n prop.value = this.parseMaybeDefault(startPos, startLoc, prop.key.__clone());\n } else {\n

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prop.value = prop.key.__clone();\n }\n\n prop.shorthand = true;\n return this.finishNode(prop,\n \"ObjectProperty\");\n }\n }\n\n parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern,\n isAccessor, refExpressionErrors) {\n const node = this.parseObjectMethod(prop, isGenerator, isAsync, isPattern,\n isAccessor) || this.parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors);\n if (!node)\n this.unexpected();\n return node;\n }\n\n parsePropertyName(prop, isPrivateNameAllowed) {\n if\n (this.eat(types.bracketL)) {\n prop.computed = true;\n prop.key = this.parseMaybeAssignAllowIn();\n this.expect(types.bracketR);\n } else {\n const oldInPropertyName = this.state.inPropertyName;\n this.state.inPropertyName = true;\n prop.key = this.match(types.num) || this.match(types.string) ||\n this.match(types.bigint) || this.match(types.decimal) ? this.parseExprAtom() :\n this.parseMaybePrivateName(isPrivateNameAllowed);\n\n if (prop.key.type !== \"PrivateName\") {\n prop.computed = false;\n\n }\n\n this.state.inPropertyName = oldInPropertyName;\n }\n\n return prop.key;\n }\n\n initFunction(node, isAsync) {\n node.id = null;\n node.generator = false;\n node.async = !!isAsync;\n }\n\n parseMethod(node, isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope = false) {\n this.initFunction(node, isAsync);\n node.generator = !!isGenerator;\n const allowModifiers = isConstructor;\n this.scope.enter(SCOPE_FUNCTION | SCOPE_SUPER | (inClassScope ? SCOPE_CLASS : 0) | (allowDirectSuper\n ? SCOPE_DIRECT_SUPER : 0));\n this.prodParam.enter(functionFlags(isAsync, node.generator));\n this.parseFunctionParams(node, allowModifiers);\n this.parseFunctionBodyAndFinish(node, type, true);\n this.prodParam.exit();\n this.scope.exit();\n return node;\n }\n\n parseArrayLike(close, canBePattern, isTuple,\n refExpressionErrors) {\n if (isTuple) {\n this.expectPlugin(\"recordAndTuple\");\n }\n\n const\n oldInFSharpPipelineDirectBody\n = this.state.inFSharpPipelineDirectBody;\n this.state.inFSharpPipelineDirectBody = false;\n const node =\n this.startNode();\n this.next();\n node.elements = this.parseExprList(close, !isTuple, refExpressionErrors,\n node);\n this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n return\n this.finishNode(node, isTuple ? \"TupleExpression\" : \"ArrayExpression\");\n }\n\n parseArrowExpression(node,\n params, isAsync, trailingCommaPos) {\n this.scope.enter(SCOPE_FUNCTION | SCOPE_ARROW);\n let flags\n = functionFlags(isAsync, false);\n\n if (!this.match(types.bracketL) && this.prodParam.hasIn) {\n flags |=\n PARAM_IN;\n }\n\n this.prodParam.enter(flags);\n this.initFunction(node, isAsync);\n const\n oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n\n if (params) {\n this.state.maybeInArrowParameters = true;\n this.setArrowFunctionParameters(node, params,\n trailingCommaPos);\n }\n\n this.state.maybeInArrowParameters = false;\n this.parseFunctionBody(node, true);\n this.prodParam.exit();\n this.scope.exit();\n this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n return\n this.finishNode(node, \"ArrowFunctionExpression\");\n }\n\n setArrowFunctionParameters(node, params,\n trailingCommaPos) {\n node.params = this.toAssignableList(params, trailingCommaPos);\n }\n\n parseFunctionBodyAndFinish(node, type, isMethod = false) {\n this.parseFunctionBody(node, false, isMethod);\n this.finishNode(node, type);\n }\n\n parseFunctionBody(node, allowExpression, isMethod = false) {\n const\n isExpression = allowExpression && !this.match(types.braceL);\n\n this.expressionScope.enter(newExpressionScope());\n\n if (isExpression) {\n node.body =\n this.parseMaybeAssign();\n this.checkParams(node, false, allowExpression, false);\n } else {\n const\n oldStrict = this.state.strict;\n const oldLabels = this.state.labels;\n\n this.state.labels = [];\n this.prodParam.enter(this.prodParam.currentFlags() | PARAM_RETURN);\n\n node.body = this.parseBlock(true, false, hasStrictModeDirective => {\n const nonSimple =\n !this.isSimpleParamList(node.params);\n\n if (hasStrictModeDirective && nonSimple) {\n const errorPos\n = (node.kind === \"method\" || node.kind === \"constructor\") && !!node.key ? node.key.end : node.start;\n this.raise(errorPos, ErrorMessages.IllegalLanguageModeDirective);\n }\n\n const strictModeChanged =\n !oldStrict && this.state.strict;\n\n this.checkParams(node, !this.state.strict && !allowExpression && !isMethod\n && !nonSimple, allowExpression, strictModeChanged);\n\n if (this.state.strict && node.id) {\n

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this.checkLVal(node.id, BIND_OUTSIDE, undefined, "function name", undefined, strictModeChanged);\n }\n });\n this.prodParam.exit();\n this.expressionScope.exit();\n this.state.labels = oldLabels;\n }\n }\n isSimpleParamList(params) {\n for (let i = 0, len = params.length; i < len; i++) {\n if\n (params[i].type !== "Identifier") return false;\n }\n return true;\n }\n checkParams(node, allowDuplicates,\n isArrowFunction, strictModeChanged = true) {\n const nameHash = Object.create(null);\n for (let i = 0; i <\n node.params.length; i++) {\n this.checkLVal(node.params[i], BIND_VAR, allowDuplicates ? null : nameHash,\n "function parameter list", undefined, strictModeChanged);\n }\n }\n parseExprList(close, allowEmpty,\n refExpressionErrors, nodeForExtra) {\n const elts = [];\n let first = true;\n while (!this.eat(close)) {\n if\n (first) {\n first = false;\n } else {\n this.expect(types.comma);\n if (this.match(close)) {\n if\n (nodeForExtra) {\n this.addExtra(nodeForExtra, "trailingComma", this.state.lastTokStart);\n }\n }\n this.next();\n break;\n }\n }\n elts.push(this.parseExprListItem(allowEmpty, refExpressionErrors);\n }\n return elts;\n }\n parseExprListItem(allowEmpty, refExpressionErrors, refNeedsArrowPos, allowPlaceholder) {\n let elt;\n if (this.match(types.comma)) {\n if (!allowEmpty) {\n this.raise(this.state.pos,\n ErrorMessages.UnexpectedToken, ",");\n }\n elt = null;\n } else if (this.match(types.ellipsis)) {\n const spreadNodeStartPos = this.state.start;\n const spreadNodeStartLoc = this.state.startLoc;\n elt =\n this.parseParenItem(this.parseSpread(refExpressionErrors, refNeedsArrowPos), spreadNodeStartPos,\n spreadNodeStartLoc);\n } else if (this.match(types.question)) {\n this.expectPlugin("partialApplication");\n if (!allowPlaceholder) {\n this.raise(this.state.start, ErrorMessages.UnexpectedArgumentPlaceholder);\n }\n const node = this.startNode();\n this.next();\n elt = this.finishNode(node,\n "ArgumentPlaceholder");\n } else {\n elt = this.parseMaybeAssignAllowIn(refExpressionErrors,\n this.parseParenItem, refNeedsArrowPos);\n }\n return elt;\n }\n parseIdentifier(liberal) {\n const node =\n this.startNode();\n const name = this.parseIdentifierName(node.start, liberal);\n return this.createIdentifier(node,\n name);\n }\n createIdentifier(node, name) {\n node.name = name;\n node.loc.identifierName = name;\n return this.finishNode(node, "Identifier");\n }\n parseIdentifierName(pos, liberal) {\n let name;\n const {\n start,\n type\n } = this.state;\n if (type === types.name) {\n name = this.state.value;\n } else if\n (type.keyword) {\n name = type.keyword;\n const curContext = this.curContext();\n if ((type ===\n types._class || type === types._function) && (curContext === types$1.functionStatement || curContext ===\n types$1.functionExpression)) {\n this.state.context.pop();\n }\n }\n } else {\n throw this.unexpected();\n }\n if (liberal) {\n this.state.type = types.name;\n } else\n {\n this.checkReservedWord(name, start, !!type.keyword, false);\n }\n this.next();\n return name;\n }\n checkReservedWord(word, startLoc, checkKeywords, isBinding) {\n if (this.prodParam.hasYield && word ===\n "yield") {\n this.raise(startLoc, ErrorMessages.YieldBindingIdentifier);\n return;\n }\n if (word ===\n "await") {\n if (this.prodParam.hasAwait) {\n this.raise(startLoc, ErrorMessages.AwaitBindingIdentifier);\n return;\n } else {\n this.expressionScope.recordAsyncArrowParametersError(startLoc,\n ErrorMessages.AwaitBindingIdentifier);\n }\n }\n if (this.scope.inClass &&\n !this.scope.inNonArrowFunction && word === "arguments") {\n this.raise(startLoc,\n ErrorMessages.ArgumentsInClass);\n return;\n }\n if (checkKeywords && isKeyword(word)) {\n this.raise(startLoc,\n ErrorMessages.UnexpectedKeyword, word);\n return;\n }\n const reservedTest = !this.state.strict ?\n isReservedWord : isBinding ? isStrictBindReservedWord : isStrictReservedWord;\n if (reservedTest(word,\n this.inModule)) {\n if (!this.prodParam.hasAwait && word === "await") {\n this.raise(startLoc,\n this.hasPlugin("topLevelAwait") ? ErrorMessages.AwaitNotInAsyncContext :\n ErrorMessages.AwaitNotInAsyncFunction);\n } else {\n this.raise(startLoc,\n ErrorMessages.UnexpectedReservedWord, word);\n }\n }\n isAwaitAllowed() {\n if\n (this.scope.inFunction) return this.prodParam.hasAwait;\n if (this.options.allowAwaitOutsideFunction) return\n true;\n if (this.hasPlugin("topLevelAwait")) {\n return this.inModule && this.prodParam.hasAwait;\n }\n return false;\n }\n parseAwait() {\n const node = this.startNode();\n this.next();\n
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this.expressionScope.recordParameterInitializerError(node.start,
ErrorMessages.AwaitExpressionFormalParameter);\n\n
 if (this.eat(types.star)) {\n this.raise(node.start, ErrorMessages.ObsoleteAwaitStar);\n }\n\n if
(!this.scope.inFunction && !this.options.allowAwaitOutsideFunction) {\n if (this.hasPrecedingLineBreak() ||
this.match(types.plusMin) || this.match(types.parenL) || this.match(types.bracketL) || this.match(types.backQuote) ||
this.match(types.regex) || this.match(types.slash) || this.hasPlugin("\v8intrinsic") && this.match(types.modulo))
{\n this.ambiguousScriptDifferentAst = true;\n } else {\n this.sawUnambiguousESM = true;\n }\n
}\n\n if (!this.state.soloAwait) {\n node.argument = this.parseMaybeUnary();\n }\n\n return
this.finishNode(node, "AwaitExpression");\n }\n\n parseYield() {\n const node = this.startNode();\n this.expressionScope.recordParameterInitializerError(node.start, ErrorMessages.YieldInParameter);\n this.next();\n\n if (this.match(types.semi) ||
!this.match(types.star) && !this.state.type.startsExpr || this.hasPrecedingLineBreak()) {\n node.delegate =
false;\n node.argument = null;\n } else {\n node.delegate = this.eat(types.star);\n node.argument =
this.parseMaybeAssign();\n }\n\n return this.finishNode(node, "YieldExpression");\n }\n\n checkPipelineAtInfixOperator(left, leftStartPos) {\n if (this.getPluginOption("pipelineOperator", "proposal")
=== "smart") {\n if (left.type === "SequenceExpression") {\n this.raise(leftStartPos,
ErrorMessages.PipelineHeadSequenceExpression);\n }\n }\n\n parseSmartPipelineBody(childExpression,
startPos, startLoc) {\n this.checkSmartPipelineBodyEarlyErrors(childExpression, startPos);\n return
this.parseSmartPipelineBodyInStyle(childExpression, startPos, startLoc);\n }\n\n checkSmartPipelineBodyEarlyErrors(childExpression, startPos) {\n if (this.match(types.arrow)) {\n throw
this.raise(this.state.start, ErrorMessages.PipelineBodyNoArrow);\n }\n else if (childExpression.type === "SequenceExpression") {\n this.raise(startPos,
ErrorMessages.PipelineBodySequenceExpression);\n }\n }\n\n parseSmartPipelineBodyInStyle(childExpression,
startPos, startLoc) {\n const bodyNode = this.startNodeAt(startPos, startLoc);\n const isSimpleReference =
this.isSimpleReference(childExpression);\n\n if (isSimpleReference) {\n bodyNode.callee = childExpression;\n }\n else {\n if (!this.topicReferenceWasUsedInCurrentTopicContext()) {\n this.raise(startPos,
ErrorMessages.PipelineTopicUnused);\n }\n\n bodyNode.expression = childExpression;\n }\n\n return
this.finishNode(bodyNode, isSimpleReference ? "PipelineBareFunction" : "PipelineTopicExpression");\n }\n\n isSimpleReference(expression) {\n switch (expression.type) {\n case "MemberExpression":\n return
!expression.computed && this.isSimpleReference(expression.object);\n\n case "Identifier":\n
return true;\n\n default:\n return false;\n }\n }\n\n withTopicPermittingContext(callback) {\n const
outerContextTopicState = this.state.topicContext;\n this.state.topicContext = {\n maxNumOfResolvableTopics:
1,\n maxTopicIndex: null\n };\n\n try {\n return callback();\n } finally {\n this.state.topicContext =
outerContextTopicState;\n }\n }\n\n withTopicForbiddingContext(callback) {\n const outerContextTopicState
= this.state.topicContext;\n this.state.topicContext = {\n maxNumOfResolvableTopics: 0,\n maxTopicIndex:
null\n };\n\n try {\n return callback();\n } finally {\n this.state.topicContext = outerContextTopicState;\n }\n }\n\n withSoloAwaitPermittingContext(callback) {\n const outerContextSoloAwaitState =
this.state.soloAwait;\n this.state.soloAwait = true;\n\n try {\n return callback();\n } finally {\n
this.state.soloAwait = outerContextSoloAwaitState;\n }\n }\n\n allowInAnd(callback) {\n const flags = this.prodParam.currentFlags();\n const prodParamToSet =
PARAM_IN & ~flags;\n\n if (prodParamToSet) {\n this.prodParam.enter(flags | PARAM_IN);\n\n try {\n
return callback();\n } finally {\n this.prodParam.exit();\n }\n }\n\n return callback();\n }\n\n disallowInAnd(callback) {\n const flags = this.prodParam.currentFlags();\n const prodParamToClear =
PARAM_IN & flags;\n\n if (prodParamToClear) {\n this.prodParam.enter(flags & ~PARAM_IN);\n\n try
{\n return callback();\n } finally {\n this.prodParam.exit();\n }\n }\n\n return callback();\n }\n\n registerTopicReference() {\n this.state.topicContext.maxTopicIndex = 0;\n }\n\n primaryTopicReferenceIsAllowedInCurrentTopicContext() {\n return
this.state.topicContext.maxNumOfResolvableTopics >= 1;\n }\n\n

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topicReferenceWasUsedInCurrentTopicContext() {\n return this.state.topicContext.maxTopicIndex
 != null && this.state.topicContext.maxTopicIndex >= 0;\n } \n\n parseFSharpPipelineBody(prec) {\n const
startPos = this.state.start;\n const startLoc = this.state.startLoc;\n this.state.potentialArrowAt = this.state.start;\n
const oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;\n
this.state.inFSharpPipelineDirectBody = true;\n const ret = this.parseExprOp(this.parseMaybeUnary(), startPos,
startLoc, prec);\n this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n return ret;\n
}\n\n}\n\nconst loopLabel = {\n kind: \"loop\"\n},\n switchLabel = {\n kind: \"switch\"\n};\n\nconst
FUNC_NO_FLAGS = 0b000,\n FUNC_STATEMENT = 0b001,\n FUNC_HANGING_STATEMENT =
0b010,\n FUNC_NULLABLE_ID = 0b100;\n\nconst loneSurrogate = /[\uD800-\uDFFF]/u;\n\nclass
StatementParser extends ExpressionParser {\n parseTopLevel(file, program) {\n program.sourceType =
this.options.sourceType;\n program.interpreter
 = this.parseInterpreterDirective();\n this.parseBlockBody(program, true, true, types.eof);\n\n if (this.inModule
 && !this.options.allowUndeclaredExports && this.scope.undeclaredExports.size > 0) {\n for (let _i = 0,
 _Array$from = Array.from(this.scope.undeclaredExports); _i < _Array$from.length; _i++) {\n const [name] =
 _Array$from[_i];\n const pos = this.scope.undeclaredExports.get(name);\n this.raise(pos,
 ErrorMessages.ModuleExportUndefined, name);\n }\n }\n\n file.program = this.finishNode(program,
 \"Program\");\n file.comments = this.state.comments;\n if (this.options.tokens) file.tokens = this.tokens;\n
 return this.finishNode(file, \"File\");\n }\n\n stmtToDirective(stmt) {\n const expr = stmt.expression;\n const
directiveLiteral = this.startNodeAt(expr.start, expr.loc.start);\n const directive = this.startNodeAt(stmt.start,
 stmt.loc.start);\n const raw = this.input.slice(expr.start, expr.end);\n const
 val = directiveLiteral.value = raw.slice(1, -1);\n this.addExtra(directiveLiteral, \"raw\", raw);\n
 this.addExtra(directiveLiteral, \"rawValue\", val);\n directive.value = this.finishNodeAt(directiveLiteral,
 \"DirectiveLiteral\", expr.end, expr.loc.end);\n return this.finishNodeAt(directive, \"Directive\", stmt.end,
 stmt.loc.end);\n }\n\n parseInterpreterDirective() {\n if (!this.match(types.interpreterDirective)) {\n return
 null;\n }\n\n const node = this.startNode();\n node.value = this.state.value;\n this.next();\n return
 this.finishNode(node, \"InterpreterDirective\");\n }\n\n isLet(context) {\n if (!this.isContextual(\"let\")) {\n return
 false;\n }\n\n const next = this.nextTokenStart();\n const nextCh = this.input.charCodeAtAt(next);\n if
 (nextCh === 91) return true;\n if (context) return false;\n if (nextCh === 123) return true;\n\n if
 (isIdentifierStart(nextCh)) {\n let pos = next + 1;\n\n while (isIdentifierChar(this.input.charCodeAtAt(pos)))
 {\n ++pos;\n }\n\n const ident = this.input.slice(next, pos);\n if
 (!keywordRelationalOperator.test(ident)) return true;\n }\n\n return false;\n }\n\n parseStatement(context,
 topLevel) {\n if (this.match(types.at)) {\n this.parseDecorators(true);\n }\n\n return
 this.parseStatementContent(context, topLevel);\n }\n\n parseStatementContent(context, topLevel) {\n let
 starttype = this.state.type;\n const node = this.startNode();\n let kind;\n\n if (this.isLet(context)) {\n starttype =
 types._var;\n kind = \"let\";\n }\n\n switch (starttype) {\n case types._break:\n case
 types._continue:\n return this.parseBreakContinueStatement(node, starttype.keyword);\n\n case
 types._debugger:\n return this.parseDebuggerStatement(node);\n\n case types._do:\n return
 this.parseDoStatement(node);\n\n case types._for:\n return this.parseForStatement(node);\n\n case
 types._function:\n if (this.lookaheadCharCode() === 46) break;\n\n if (context) {\n if
 (this.state.strict) {\n this.raise(this.state.start, ErrorMessages.StrictFunction);\n } else if (context !==
 \"if\" && context !== \"label\") {\n this.raise(this.state.start, ErrorMessages.SloppyFunction);\n }\n
 }\n\n return this.parseFunctionStatement(node, false, !context);\n\n case types._class:\n if (context)
 this.unexpected();\n return this.parseClass(node, true);\n\n case types._if:\n return
 this.parseIfStatement(node);\n\n case types._return:\n return this.parseReturnStatement(node);\n\n case
 types._switch:\n return this.parseSwitchStatement(node);\n\n case types._throw:\n return
 this.parseThrowStatement(node);\n\n case types._try:\n return this.parseTryStatement(node);\n\n case
 types._const:\n case

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types._var:\n kind = kind || this.state.value;\n\n if (context && kind !== \"var\") {\n
this.raise(this.state.start, ErrorMessages.UnexpectedLexicalDeclaration);\n }\n\n return
this.parseVarStatement(node, kind);\n\n case types._while:\n return this.parseWhileStatement(node);\n\n case types._with:\n return this.parseWithStatement(node);\n\n case types.braceL:\n return
this.parseBlock();\n\n case types.semi:\n return this.parseEmptyStatement(node);\n\n case
types._import:\n {\n const nextTokenCharCode = this.lookaheadCharCode();\n\n if
(nextTokenCharCode === 40 || nextTokenCharCode === 46) {\n break;\n }\n }\n\n case
types._export:\n {\n if (!this.options.allowImportExportEverywhere && !topLevel) {\n
this.raise(this.state.start, ErrorMessages.UnexpectedImportExport);\n }\n\n this.next();\n
 let result;\n\n if (starttype === types._import) {\n result = this.parseImport(node);\n\n if
(result.type === \"ImportDeclaration\" && (!result.importKind || result.importKind === \"value\")) {\n
this.sawUnambiguousESM = true;\n }\n } else {\n result = this.parseExport(node);\n\n if
(result.type === \"ExportNamedDeclaration\" && (!result.exportKind || result.exportKind === \"value\")) ||
result.type === \"ExportAllDeclaration\" && (!result.exportKind || result.exportKind === \"value\") || result.type
=== \"ExportDefaultDeclaration\" {\n this.sawUnambiguousESM = true;\n }\n }\n\n this.assertModuleNodeAllowed(node);\n return result;\n }\n\n default:\n {\n if
(this.isAsyncFunction()) {\n if (context) {\n this.raise(this.state.start,
ErrorMessages.AsyncFunctionInSingleStatementContext);\n
 }\n\n this.next();\n return this.parseFunctionStatement(node, true, !context);\n }\n }\n
}\n\n const maybeName = this.state.value;\n const expr = this.parseExpression();\n\n if (starttype ===
types.name && expr.type === \"Identifier\" && this.eat(types.colon)) {\n return
this.parseLabeledStatement(node, maybeName, expr, context);\n } else {\n return
this.parseExpressionStatement(node, expr);\n }\n }\n\n assertModuleNodeAllowed(node) {\n if
(!this.options.allowImportExportEverywhere && !this.inModule) {\n this.raiseWithData(node.start, {\n
code: \"BABEL_PARSER_SOURCETYPE_MODULE_REQUIRED\"\n },
ErrorMessages.ImportOutsideModule);\n }\n }\n\n takeDecorators(node) {\n const decorators =
this.state.decoratorStack[this.state.decoratorStack.length - 1];\n\n if (decorators.length) {\n node.decorators =
decorators;\n this.resetStartLocationFromNode(node, decorators[0]);\n
this.state.decoratorStack[this.state.decoratorStack.length
- 1] = [];\n }\n }\n\n canHaveLeadingDecorator() {\n return this.match(types._class);\n }\n\n parseDecorators(allowExport) {\n const currentContextDecorators =
this.state.decoratorStack[this.state.decoratorStack.length - 1];\n\n while (this.match(types.at)) {\n const
decorator = this.parseDecorator();\n currentContextDecorators.push(decorator);\n }\n\n if
(this.match(types._export)) {\n if (!allowExport) {\n this.unexpected();\n }\n\n if
(this.hasPlugin(\"decorators\") && !this.getPluginOption(\"decorators\", \"decoratorsBeforeExport\")) {\n
this.raise(this.state.start, ErrorMessages.DecoratorExportClass);\n }\n } else if
(!this.canHaveLeadingDecorator()) {\n throw this.raise(this.state.start,
ErrorMessages.UnexpectedLeadingDecorator);\n }\n }\n\n parseDecorator() {\n
this.expectOnePlugin([\"decorators-legacy\", \"decorators\"]);\n const node = this.startNode();\n
 this.next();\n\n if (this.hasPlugin(\"decorators\")) {\n this.state.decoratorStack.push([]);\n const startPos =
this.state.start;\n const startLoc = this.state.startLoc;\n let expr;\n\n if (this.eat(types.parenL)) {\n expr
= this.parseExpression();\n this.expect(types.parenR);\n } else {\n expr = this.parseIdentifier(false);\n\n while (this.eat(types.dot)) {\n const node = this.startNodeAt(startPos, startLoc);\n node.object =
expr;\n node.property = this.parseIdentifier(true);\n node.computed = false;\n expr =
this.finishNode(node, \"MemberExpression\");\n }\n }\n\n node.expression =
this.parseMaybeDecoratorArguments(expr);\n this.state.decoratorStack.pop();\n } else {\n node.expression
= this.parseExprSubscripts();\n }\n\n return this.finishNode(node, \"Decorator\");\n }\n }\n\n parseMaybeDecoratorArguments(expr) {\n if (this.eat(types.parenL))

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 {\n const node = this.startNodeAtNode(expr);\n node.callee = expr;\n node.arguments =
this.parseCallExpressionArguments(types.parenR, false);\n this.toReferencedList(node.arguments);\n return
this.finishNode(node, \"CallExpression\");\n }\n\n return expr;\n }\n\n parseBreakContinueStatement(node,
keyword) {\n const isBreak = keyword === \"break\";\n this.next();\n\n if (this.isLineTerminator()) {\n
node.label = null;\n } else {\n node.label = this.parseIdentifier();\n this.semicolon();\n }\n\n
this.verifyBreakContinue(node, keyword);\n return this.finishNode(node, isBreak ? \"BreakStatement\" :
\"ContinueStatement\");\n }\n\n verifyBreakContinue(node, keyword) {\n const isBreak = keyword ===
\"break\";\n let i;\n\n for (i = 0; i < this.state.labels.length; ++i) {\n const lab = this.state.labels[i];\n\n if
(node.label == null || lab.name === node.label.name) {\n if (lab.kind
!= null && (isBreak || lab.kind === \"loop\")) break;\n if (node.label && isBreak) break;\n }\n }\n\n if (i
=== this.state.labels.length) {\n this.raise(node.start, ErrorMessages.IllegalBreakContinue, keyword);\n }\n
}\n\n parseDebuggerStatement(node) {\n this.next();\n this.semicolon();\n return this.finishNode(node,
\"DebuggerStatement\");\n }\n\n parseHeaderExpression() {\n this.expect(types.parenL);\n const val =
this.parseExpression();\n this.expect(types.parenR);\n return val;\n }\n\n parseDoStatement(node) {\n
this.next();\n this.state.labels.push(loopLabel);\n node.body = this.withTopicForbiddingContext(() =>
this.parseStatement(\"do\"));\n this.state.labels.pop();\n this.expect(types._while);\n node.test =
this.parseHeaderExpression();\n this.eat(types.semi);\n return this.finishNode(node, \"DoWhileStatement\");\n
}\n\n parseForStatement(node) {\n this.next();\n this.state.labels.push(loopLabel);\n
 let awaitAt = -1;\n\n if (this.isAwaitAllowed() && this.eatContextual(\"await\")) {\n awaitAt =
this.state.lastTokStart;\n }\n\n this.scope.enter(SCOPE_OTHER);\n this.expect(types.parenL);\n\n if
(this.match(types.semi)) {\n if (awaitAt > -1) {\n this.unexpected(awaitAt);\n }\n\n return
this.parseFor(node, null);\n }\n\n const isLet = this.isLet();\n\n if (this.match(types._var) ||
this.match(types._const) || isLet) {\n const init = this.startNode();\n const kind = isLet ? \"let\" :
this.state.value;\n this.next();\n this.parseVar(init, true, kind);\n this.finishNode(init,
\"VariableDeclaration\");\n\n if ((this.match(types._in) || this.isContextual(\"of\")) && init.declarations.length
=== 1) {\n return this.parseForIn(node, init, awaitAt);\n }\n\n if (awaitAt > -1) {\n
this.unexpected(awaitAt);\n }\n\n return this.parseFor(node, init);\n }\n\n const refExpressionErrors
= new ExpressionErrors();\n const init = this.parseExpression(true, refExpressionErrors);\n\n if
(this.match(types._in) || this.isContextual(\"of\")) {\n this.toAssignable(init);\n const description =
this.isContextual(\"of\") ? \"for-of statement\" : \"for-in statement\";\n this.checkLVal(init, undefined, undefined,
description);\n return this.parseForIn(node, init, awaitAt);\n } else {\n
this.checkExpressionErrors(refExpressionErrors, true);\n }\n\n if (awaitAt > -1) {\n
this.unexpected(awaitAt);\n }\n\n return this.parseFor(node, init);\n }\n\n parseFunctionStatement(node,
isAsync, declarationPosition) {\n this.next();\n return this.parseFunction(node, FUNC_STATEMENT |
(declarationPosition ? 0 : FUNC_HANGING_STATEMENT), isAsync);\n }\n\n parseIfStatement(node) {\n
this.next();\n node.test = this.parseHeaderExpression();\n node.consequent = this.parseStatement(\"if\");\n
node.alternate = this.eat(types._else)
? this.parseStatement(\"if\") : null;\n return this.finishNode(node, \"IfStatement\");\n }\n\n parseReturnStatement(node) {\n if (!this.prodParam.hasReturn && !this.options.allowReturnOutsideFunction) {\n
this.raise(this.state.start, ErrorMessages.IllegalReturn);\n }\n\n this.next();\n\n if (this.isLineTerminator())
{\n node.argument = null;\n } else {\n node.argument = this.parseExpression();\n this.semicolon();\n
}\n\n return this.finishNode(node, \"ReturnStatement\");\n }\n\n parseSwitchStatement(node) {\n this.next();\n
node.discriminant = this.parseHeaderExpression();\n const cases = node.cases = [];\n
this.expect(types.braceL);\n this.state.labels.push(switchLabel);\n this.scope.enter(SCOPE_OTHER);\n let
cur;\n\n for (let sawDefault; !this.match(types.braceR);) {\n if (this.match(types._case) ||
this.match(types._default)) {\n const isCase = this.match(types._case);\n if (cur) this.finishNode(cur,
\"SwitchCase\");\n cases.push(cur = this.startNode());\n cur.consequent = [];\n this.next();\n\n if
(isCase) {\n cur.test = this.parseExpression();\n } else {\n if (sawDefault) {\n

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this.raise(this.state.lastTokStart, ErrorMessages.MultipleDefaultsInSwitch);\n }\n sawDefault = true;\n cur.test = null;\n }\n this.expect(types.colon);\n } else {\n if (cur) {\n cur.consequent.push(this.parseStatement(null));\n } else {\n this.unexpected();\n }\n }\n this.scope.exit();\n if (cur) this.finishNode(cur, \"SwitchCase\");\n this.next();\n this.state.labels.pop();\n return this.finishNode(node, \"SwitchStatement\");\n}\n\nparseThrowStatement(node) {\n this.next();\n if (this.hasPrecedingLineBreak()) {\n this.raise(this.state.lastTokEnd, ErrorMessages.NewlineAfterThrow);\n }\n\n node.argument = this.parseExpression();\n this.semicolon();\n return this.finishNode(node, \"ThrowStatement\");\n}\n\nparseCatchClauseParam() {\n const param = this.parseBindingAtom();\n const simple = param.type === \"Identifier\";\n this.scope.enter(simple ? SCOPE_SIMPLE_CATCH : 0);\n this.checkLVal(param, BIND_LEXICAL, null, \"catch clause\");\n return param;\n}\n\nparseTryStatement(node) {\n this.next();\n node.block = this.parseBlock();\n node.handler = null;\n if (this.match(types._catch)) {\n const clause = this.startNode();\n this.next();\n if (this.match(types.parenL)) {\n this.expect(types.parenL);\n clause.param = this.parseCatchClauseParam();\n this.expect(types.parenR);\n } else {\n clause.param = null;\n }\n this.scope.enter(SCOPE_OTHER);\n clause.body = this.withTopicForbiddingContext(() => this.parseBlock(false, false));\n this.scope.exit();\n node.handler = this.finishNode(clause, \"CatchClause\");\n }\n node.finalizer = this.eat(types._finally) ? this.parseBlock() : null;\n if (!node.handler && !node.finalizer) {\n this.raise(node.start, ErrorMessages.NoCatchOrFinally);\n }\n return this.finishNode(node, \"TryStatement\");\n}\n\nparseVarStatement(node, kind) {\n this.next();\n this.parseVar(node, false, kind);\n this.semicolon();\n return this.finishNode(node, \"VariableDeclaration\");\n}\n\nparseWhileStatement(node) {\n this.next();\n node.test = this.parseHeaderExpression();\n this.state.labels.push(loopLabel);\n node.body = this.withTopicForbiddingContext(() => this.parseStatement(\"while\"));\n this.state.labels.pop();\n return this.finishNode(node, \"WhileStatement\");\n}\n\nparseWithStatement(node) {\n if (this.state.strict) {\n this.raise(this.state.start, ErrorMessages.StrictWith);\n }\n this.next();\n node.object = this.parseHeaderExpression();\n node.body = this.withTopicForbiddingContext(() => this.parseStatement(\"with\"));\n return this.finishNode(node, \"WithStatement\");\n}\n\nparseEmptyStatement(node) {\n this.next();\n return this.finishNode(node, \"EmptyStatement\");\n}\n\nparseLabeledStatement(node, maybeName, expr, context) {\n for (let i2 = 0, _this$state$labels = this.state.labels; i2 < _this$state$labels.length; i2++) {\n const label = _this$state$labels[i2];\n if (label.name === maybeName) {\n this.raise(expr.start, ErrorMessages.LabelRedeclaration, maybeName);\n }\n }\n const kind = this.state.type.isLoop ? \"loop\" : this.match(types._switch) ? \"switch\" : null;\n for (let i = this.state.labels.length - 1; i >= 0; i--) {\n const label = this.state.labels[i];\n if (label.statementStart === node.start) {\n label.statementStart = this.state.start;\n label.kind = kind;\n } else {\n break;\n }\n }\n this.state.labels.push({\n name: maybeName,\n kind: kind,\n statementStart: this.state.start\n });\n node.body = this.parseStatement(context ? context.indexOf(\"label\") === -1 ? context + \"label\" : context : \"label\");\n this.state.labels.pop();\n node.label = expr;\n return this.finishNode(node, \"LabeledStatement\");\n}\n\nparseExpressionStatement(node, expr) {\n node.expression = expr;\n this.semicolon();\n return this.finishNode(node, \"ExpressionStatement\");\n}\n\nparseBlock(allowDirectives = false, createNewLexicalScope = true, afterBlockParse) {\n const node = this.startNode();\n this.expect(types.braceL);\n if (createNewLexicalScope) {\n this.scope.enter(SCOPE_OTHER);\n }\n this.parseBlockBody(node, allowDirectives, false, types.braceR, afterBlockParse);\n if (createNewLexicalScope) {\n this.scope.exit();\n }\n return this.finishNode(node, \"BlockStatement\");\n}\n\nisValidDirective(stmt) {\n return stmt.type === \"ExpressionStatement\" && stmt.expression.type === \"StringLiteral\" && !stmt.expression.extra.parenthesized;\n}\n\nparseBlockBody(node, allowDirectives, topLevel, end, afterBlockParse) {\n const body = node.body = [];\n const directives = node.directives = [];\n
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this.parseBlockOrModuleBlockBody(body, allowDirectives ? directives : undefined, topLevel, end,
afterBlockParse);\n }\n\n parseBlockOrModuleBlockBody(body, directives, topLevel, end, afterBlockParse) {\n
const octalPositions = [];\n const oldStrict = this.state.strict;\n let hasStrictModeDirective = false;\n let
parsedNonDirective = false;\n\n while (!this.match(end)) {\n if (!parsedNonDirective &&
this.state.octalPositions.length) {\n octalPositions.push(...this.state.octalPositions);\n }\n\n const stmt =
this.parseStatement(null, topLevel);\n\n if (directives && !parsedNonDirective && this.isValidDirective(stmt))
{\n
const directive = this.stmtToDirective(stmt);\n directives.push(directive);\n\n if
(!hasStrictModeDirective && directive.value.value === "use strict") {\n hasStrictModeDirective = true;\n
this.setStrict(true);\n }\n\n continue;\n }\n\n parsedNonDirective = true;\n body.push(stmt);\n
}\n\n if (this.state.strict && octalPositions.length) {\n for (let _i3 = 0; _i3 < octalPositions.length; _i3++) {\n
const pos = octalPositions[_i3];\n this.raise(pos, ErrorMessages.StrictOctalLiteral);\n }\n }\n\n if
(afterBlockParse) {\n afterBlockParse.call(this, hasStrictModeDirective);\n }\n\n if (!oldStrict) {\n
this.setStrict(false);\n }\n\n this.next();\n }\n\n parseFor(node, init) {\n node.init = init;\n
this.expect(types.semi);\n node.test = this.match(types.semi) ? null : this.parseExpression();\n
this.expect(types.semi);\n node.update = this.match(types.parenR)
? null : this.parseExpression();\n this.expect(types.parenR);\n node.body = this.withTopicForbiddingContext(()
=> this.parseStatement("for"));\n this.scope.exit();\n this.state.labels.pop();\n return this.finishNode(node,
"ForStatement");\n }\n\n parseForIn(node, init, awaitAt) {\n const isForIn = this.match(types._in);\n
this.next();\n\n if (isForIn) {\n if (awaitAt > -1) this.unexpected(awaitAt);\n } else {\n node.await =
awaitAt > -1;\n }\n\n if (init.type === "VariableDeclaration" && init.declarations[0].init != null && (!isForIn ||
this.state.strict || init.kind !== "var" || init.declarations[0].id.type !== "Identifier")) {\n this.raise(init.start,
ErrorMessages.ForInOfLoopInitializer, isForIn ? "for-in" : "for-of");\n } else if (init.type ===
"AssignmentPattern") {\n this.raise(init.start, ErrorMessages.InvalidLhs, "for-loop");\n }\n\n node.left =
init;\n node.right = isForIn ? this.parseExpression()
: this.parseMaybeAssignAllowIn();\n this.expect(types.parenR);\n node.body =
this.withTopicForbiddingContext(() => this.parseStatement("for"));\n this.scope.exit();\n
this.state.labels.pop();\n return this.finishNode(node, isForIn ? "ForInStatement" : "ForOfStatement");\n }\n\n
parseVar(node, isFor, kind) {\n const declarations = node.declarations = [];\n const isTypescript =
this.hasPlugin("typescript");\n node.kind = kind;\n\n for (;;) {\n const decl = this.startNode();\n
this.parseVarId(decl, kind);\n\n if (this.eat(types.eq)) {\n decl.init = isFor ?
this.parseMaybeAssignDisallowIn() : this.parseMaybeAssignAllowIn();\n } else {\n if (kind === "const"
&& !(this.match(types._in) || this.isContextual("of"))) {\n if (!isTypescript) {\n
this.raise(this.state.lastTokEnd, ErrorMessages.DeclarationMissingInitializer, "Const declarations");\n }\n
}\n } else if (decl.id.type
!== "Identifier" && !(isFor && (this.match(types._in) || this.isContextual("of")))) {\n
this.raise(this.state.lastTokEnd, ErrorMessages.DeclarationMissingInitializer, "Complex binding patterns");\n
}\n\n decl.init = null;\n }\n\n declarations.push(this.finishNode(decl, "VariableDeclarator")); \n if
(!this.eat(types.comma)) break;\n }\n\n return node;\n }\n\n parseVarId(decl, kind) {\n decl.id =
this.parseBindingAtom();\n this.checkLVal(decl.id, kind === "var" ? BIND_VAR : BIND_LEXICAL,
undefined, "variable declaration", kind !== "var");\n }\n\n parseFunction(node, statement =
FUNC_NO_FLAGS, isAsync = false) {\n const isStatement = statement & FUNC_STATEMENT;\n const
isHangingStatement = statement & FUNC_HANGING_STATEMENT;\n const requireId = !!isStatement &&
!(statement & FUNC_NULLABLE_ID);\n this.initFunction(node, isAsync);\n\n if (this.match(types.star) &&
isHangingStatement) {\n this.raise(this.state.start,
ErrorMessages.GeneratorInSingleStatementContext);\n }\n\n node.generator = this.eat(types.star);\n\n if
(isStatement) {\n node.id = this.parseFunctionId(requireId);\n }\n\n const oldMaybeInArrowParameters =
this.state.maybeInArrowParameters;\n this.state.maybeInArrowParameters = false;\n

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this.scope.enter(SCOPE_FUNCTION);\n this.prodParam.enter(functionFlags(isAsync, node.generator));\n\n if
(!isStatement) {\n node.id = this.parseFunctionId();\n }\n\n this.parseFunctionParams(node, false);\n
this.withTopicForbiddingContext(() => {\n this.parseFunctionBodyAndFinish(node, isStatement ?
\"FunctionDeclaration\" : \"FunctionExpression\");\n });\n this.prodParam.exit();\n this.scope.exit();\n\n if
(isStatement && !isHangingStatement) {\n this.registerFunctionStatementId(node);\n }\n\n
this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n return node;\n }\n\n
parseFunctionId(requireId) {\n
return requireId || this.match(types.name) ? this.parseIdentifier() : null;\n }\n\n parseFunctionParams(node,
allowModifiers) {\n this.expect(types.parenL);\n
this.expressionScope.enter(newParameterDeclarationScope());\n node.params =
this.parseBindingList(types.parenR, 41, false, allowModifiers);\n this.expressionScope.exit();\n }\n\n
registerFunctionStatementId(node) {\n if (!node.id) return;\n this.scope.declareName(node.id.name,
this.state.strict || node.generator || node.async ? this.scope.treatFunctionsAsVar ? BIND_VAR : BIND_LEXICAL :
BIND_FUNCTION, node.id.start);\n }\n\n parseClass(node, isStatement, optionalId) {\n this.next();\n
this.takeDecorators(node);\n const oldStrict = this.state.strict;\n this.state.strict = true;\n
this.parseClassId(node, isStatement, optionalId);\n this.parseClassSuper(node);\n node.body =
this.parseClassBody(!node.superClass, oldStrict);\n return this.finishNode(node, isStatement ?
\"ClassDeclaration\"
: \"ClassExpression\");\n }\n\n isClassProperty() {\n return this.match(types.eq) || this.match(types.semi) ||
this.match(types.braceR);\n }\n\n isClassMethod() {\n return this.match(types.parenL);\n }\n\n
isNonstaticConstructor(method) {\n return !method.computed && !method.static && (method.key.name ===
\"constructor\" || method.key.value === \"constructor\");\n }\n\n parseClassBody(constructorAllowsSuper,
oldStrict) {\n this.classScope.enter();\n const state = {\n constructorAllowsSuper,\n hadConstructor:
false,\n hadStaticBlock: false\n }; \n let decorators = [];\n const classBody = this.startNode();\n
classBody.body = [];\n this.expect(types.braceL);\n this.withTopicForbiddingContext(() => {\n while
(!this.match(types.braceR)) {\n if (this.eat(types.semi)) {\n if (decorators.length > 0) {\n throw
this.raise(this.state.lastTokEnd, ErrorMessages.DecoratorSemicolon);\n }\n\n continue;\n
}\n\n if (this.match(types.at)) {\n decorators.push(this.parseDecorator());\n continue;\n
}\n\n const member = this.startNode();\n\n if (decorators.length) {\n member.decorators =
decorators;\n this.resetStartLocationFromNode(member, decorators[0]);\n decorators = [];\n }\n\n
this.parseClassMember(classBody, member, state);\n\n if (member.kind === \"constructor\" &&
member.decorators && member.decorators.length > 0) {\n this.raise(member.start,
ErrorMessages.DecoratorConstructor);\n }\n }\n });\n this.state.strict = oldStrict;\n this.next();\n\n if
(decorators.length) {\n throw this.raise(this.state.start, ErrorMessages.TrailingDecorator);\n }\n\n
this.classScope.exit();\n return this.finishNode(classBody, \"ClassBody\");\n }\n\n
parseClassMemberFromModifier(classBody, member) {\n const key = this.parseIdentifier(true);\n\n
if (this.isClassMethod()) {\n const method = member;\n method.kind = \"method\";\n method.computed
= false;\n method.key = key;\n method.static = false;\n this.pushClassMethod(classBody, method, false,
false, false, false);\n return true;\n } else if (this.isClassProperty()) {\n const prop = member;\n
prop.computed = false;\n prop.key = key;\n prop.static = false;\n
classBody.body.push(this.parseClassProperty(prop));\n return true;\n }\n\n return false;\n }\n\n
parseClassMember(classBody, member, state) {\n const isStatic = this.isContextual(\"static\");\n\n if (isStatic)
{\n if (this.parseClassMemberFromModifier(classBody, member)) {\n return;\n }\n\n if
(this.eat(types.braceL)) {\n this.parseClassStaticBlock(classBody, member, state);\n return;\n }\n }\n\n
this.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n }\n\n
parseClassMemberWithIsStatic(classBody,
member, state, isStatic) {\n const publicMethod = member;\n const privateMethod = member;\n const
publicProp = member;\n const privateProp = member;\n const method = publicMethod;\n const publicMember

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= publicMethod;\n member.static = isStatic;\n\n if (this.eat(types.star)) {\n method.kind = \"method\";\n this.parseClassElementName(method);\n\n if (method.key.type === \"PrivateName\") {\n this.pushClassPrivateMethod(classBody, privateMethod, true, false);\n return;\n }\n\n if (this.isNonstaticConstructor(publicMethod)) {\n this.raise(publicMethod.key.start, ErrorMessages.ConstructorIsGenerator);\n }\n\n this.pushClassMethod(classBody, publicMethod, true, false, false, false);\n return;\n }\n\n const containsEsc = this.state.containsEsc;\n const key = this.parseClassElementName(member);\n const isPrivate = key.type === \"PrivateName\";\n const isSimple = key.type === \"Identifier\";\n const maybeQuestionTokenStart = this.state.start;\n this.parsePostMemberNameModifiers(publicMember);\n\n if (this.isClassMethod()) {\n method.kind = \"method\";\n\n if (isPrivate) {\n this.pushClassPrivateMethod(classBody, privateMethod, false, false);\n return;\n }\n\n const isConstructor = this.isNonstaticConstructor(publicMethod);\n let allowsDirectSuper = false;\n\n if (isConstructor) {\n publicMethod.kind = \"constructor\";\n\n if (state.hadConstructor && !this.hasPlugin(\"typescript\")) {\n this.raise(key.start, ErrorMessages.DuplicateConstructor);\n }\n\n state.hadConstructor = true;\n allowsDirectSuper = state.constructorAllowsSuper;\n }\n\n this.pushClassMethod(classBody, publicMethod, false, false, isConstructor, allowsDirectSuper);\n } else if (this.isClassProperty()) {\n if (isPrivate) {\n this.pushClassPrivateProperty(classBody, privateProp);\n } else {\n this.pushClassProperty(classBody, publicProp);\n }\n } else if (isSimple && key.name === \"async\" && !containsEsc && !this.isLineTerminator()) {\n const isGenerator = this.eat(types.star);\n\n if (publicMember.optional) {\n this.unexpected(maybeQuestionTokenStart);\n }\n\n method.kind = \"method\";\n this.parseClassElementName(method);\n\n this.parsePostMemberNameModifiers(publicMember);\n\n if (method.key.type === \"PrivateName\") {\n this.pushClassPrivateMethod(classBody, privateMethod, isGenerator, true);\n } else {\n if (this.isNonstaticConstructor(publicMethod)) {\n this.raise(publicMethod.key.start, ErrorMessages.ConstructorIsAsync);\n }\n\n this.pushClassMethod(classBody, publicMethod, isGenerator, true, false, false);\n }\n } else if (isSimple && (key.name === \"get\" || key.name === \"set\") && !containsEsc && !(this.match(types.star) && this.isLineTerminator())) {\n method.kind = key.name;\n this.parseClassElementName(publicMethod);\n\n if (method.key.type === \"PrivateName\") {\n this.pushClassPrivateMethod(classBody, privateMethod, false, false);\n } else {\n if (this.isNonstaticConstructor(publicMethod)) {\n this.raise(publicMethod.key.start, ErrorMessages.ConstructorIsAccessor);\n }\n\n this.pushClassMethod(classBody, publicMethod, false, false, false, false);\n }\n\n this.checkGetterSetterParams(publicMethod);\n } else if (this.isLineTerminator()) {\n if (isPrivate) {\n this.pushClassPrivateProperty(classBody, privateProp);\n } else {\n this.pushClassProperty(classBody, publicProp);\n }\n } else {\n this.unexpected();\n }\n}\n\nparseClassElementName(member) {\n const key = this.parsePropertyName(member, true);\n\n if (!member.computed && member.static && (key.name === \"prototype\" || key.value === \"prototype\")) {\n this.raise(key.start, ErrorMessages.StaticPrototype);\n }\n\n if (key.type === \"PrivateName\" && key.id.name === \"constructor\") {\n this.raise(key.start, ErrorMessages.ConstructorClassPrivateField);\n }\n\n return key;\n}\n\nparseClassStaticBlock(classBody, member, state) {\n var _member$decorators;\n\n this.expectPlugin(\"classStaticBlock\", member.start);\n this.scope.enter(SCOPE_CLASS | SCOPE_SUPER);\n this.expressionScope.enter(new ExpressionScope());\n const oldLabels = this.state.labels;\n this.state.labels = [];\n this.prodParam.enter(PARAM);\n const body = member.body = [];\n\n this.parseBlockOrModuleBlockBody(body, undefined, false, types.braceR);\n this.prodParam.exit();\n this.expressionScope.exit();\n this.scope.exit();\n this.state.labels = oldLabels;\n\n classBody.body.push(this.finishNode(member, \"StaticBlock\"));\n\n if (state.hadStaticBlock) {\n this.raise(member.start, ErrorMessages.DuplicateStaticBlock);\n }\n\n if ((_member$decorators = member.decorators) == null ? void 0 : _member$decorators.length) {\n this.raise(member.start, ErrorMessages.DecoratorStaticBlock);\n }\n\n state.hadStaticBlock = true;\n}\n

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pushClassProperty(classBody, prop) {\n if (!prop.computed && (prop.key.name === \"constructor\" ||
prop.key.value === \"constructor\")) {\n this.raise(prop.key.start, ErrorMessages.ConstructorClassField);\n }\n classBody.body.push(this.parseClassProperty(prop));\n}\n\n pushClassPrivateProperty(classBody, prop)
{\n this.expectPlugin(\"classPrivateProperties\", prop.key.start);\n const node =
this.parseClassPrivateProperty(prop);\n classBody.body.push(node);\n
this.classScope.declarePrivateName(node.key.id.name, CLASS_ELEMENT_OTHER, node.key.start);\n}\n\n
pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n
classBody.body.push(this.parseMethod(method, isGenerator,
isAsync, isConstructor, allowsDirectSuper, \"ClassMethod\", true));\n}\n\n pushClassPrivateMethod(classBody,
method, isGenerator, isAsync) {\n this.expectPlugin(\"classPrivateMethods\", method.key.start);\n const node =
this.parseMethod(method, isGenerator, isAsync, false, false, \"ClassPrivateMethod\", true);\n
classBody.body.push(node);\n const kind = node.kind === \"get\" ? node.static ?
CLASS_ELEMENT_STATIC_GETTER : CLASS_ELEMENT_INSTANCE_GETTER : node.kind === \"set\" ?
node.static ? CLASS_ELEMENT_STATIC_SETTER : CLASS_ELEMENT_INSTANCE_SETTER :
CLASS_ELEMENT_OTHER;\n this.classScope.declarePrivateName(node.key.id.name, kind, node.key.start);\n
}\n\n parsePostMemberNameModifiers(methodOrProp) {\n\n parseClassPrivateProperty(node) {\n
this.parseInitializer(node);\n this.semicolon();\n return this.finishNode(node, \"ClassPrivateProperty\");\n}\n\n
parseClassProperty(node) {\n if (!node.typeAnnotation || this.match(types.eq)) {\n
this.expectPlugin(\"classProperties\");\n
}\n\n this.parseInitializer(node);\n this.semicolon();\n return this.finishNode(node, \"ClassProperty\");\n
}\n\n parseInitializer(node) {\n this.scope.enter(SCOPE_CLASS | SCOPE_SUPER);\n
this.expressionScope.enter(newExpressionScope());\n this.prodParam.enter(PARAM);\n node.value =
this.eat(types.eq) ? this.parseMaybeAssignAllowIn() : null;\n this.expressionScope.exit();\n
this.prodParam.exit();\n this.scope.exit();\n}\n\n parseClassId(node, isStatement, optionalId, bindingType =
BIND_CLASS) {\n if (this.match(types.name)) {\n node.id = this.parseIdentifier();\n\n if (isStatement) {\n
this.checkLVal(node.id, bindingType, undefined, \"class name\");\n }\n } else {\n if (optionalId ||
!isStatement) {\n node.id = null;\n } else {\n this.unexpected(null,
ErrorMessages.MissingClassName);\n }\n }\n}\n\n parseClassSuper(node) {\n node.superClass =
this.eat(types._extends)
? this.parseExprSubscripts() : null;\n}\n\n parseExport(node) {\n const hasDefault =
this.maybeParseExportDefaultSpecifier(node);\n const parseAfterDefault = !hasDefault || this.eat(types.comma);\n
const hasStar = parseAfterDefault && this.eatExportStar(node);\n const hasNamespace = hasStar &&
this.maybeParseExportNamespaceSpecifier(node);\n const parseAfterNamespace = parseAfterDefault &&
(!hasNamespace || this.eat(types.comma));\n const isFromRequired = hasDefault || hasStar;\n\n if (hasStar &&
!hasNamespace) {\n if (hasDefault) this.unexpected();\n this.parseExportFrom(node, true);\n return
this.finishNode(node, \"ExportAllDeclaration\");\n }\n\n const hasSpecifiers =
this.maybeParseExportNamedSpecifiers(node);\n\n if (hasDefault && parseAfterDefault && !hasStar &&
!hasSpecifiers || hasNamespace && parseAfterNamespace && !hasSpecifiers) {\n throw this.unexpected(null,
types.braceL);\n }\n\n let hasDeclaration;\n
if (isFromRequired || hasSpecifiers) {\n hasDeclaration = false;\n this.parseExportFrom(node,
isFromRequired);\n } else {\n hasDeclaration = this.maybeParseExportDeclaration(node);\n }\n\n if
(isFromRequired || hasSpecifiers || hasDeclaration) {\n this.checkExport(node, true, false, !!node.source);\n
return this.finishNode(node, \"ExportNamedDeclaration\");\n }\n\n if (this.eat(types._default)) {\n
node.declaration = this.parseExportDefaultExpression();\n this.checkExport(node, true, true);\n return
this.finishNode(node, \"ExportDefaultDeclaration\");\n }\n\n throw this.unexpected(null, types.braceL);\n}\n\n
eatExportStar(node) {\n return this.eat(types.star);\n}\n\n maybeParseExportDefaultSpecifier(node) {\n if
(this.isExportDefaultSpecifier()) {\n this.expectPlugin(\"exportDefaultFrom\");\n const specifier =
this.startNode();\n specifier.exported = this.parseIdentifier(true);\n node.specifiers

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= [this.finishNode(specifier, "ExportDefaultSpecifier")];\n return true;\n }\n\n return false;\n}\n\nmaybeParseExportNamespaceSpecifier(node) {\n if (this.isContextual("as")) {\n if (!node.specifiers)\n node.specifiers = [];\n const specifier = this.startNodeAt(this.state.lastTokStart, this.state.lastTokStartLoc);\n this.next();\n specifier.exported = this.parseModuleExportName();\n node.specifiers.push(this.finishNode(specifier, "ExportNamespaceSpecifier"));\n return true;\n }\n\n return false;\n}\n\nmaybeParseExportNamedSpecifiers(node) {\n if (this.match(types.braceL)) {\n if (!node.specifiers) node.specifiers = [];\n node.specifiers.push(...this.parseExportSpecifiers());\n node.source = null;\n node.declaration = null;\n return true;\n }\n\n return false;\n}\n\nmaybeParseExportDeclaration(node) {\n if (this.shouldParseExportDeclaration()) {\n node.specifiers = [];\n node.source = null;\n node.declaration = this.parseExportDeclaration(node);\n return true;\n }\n\n return false;\n}\n\nisAsyncFunction() {\n if (!this.isContextual("async")) return false;\n const next = this.nextTokenStart();\n return !lineBreak.test(this.input.slice(this.state.pos, next)) &&\n this.isUnparsedContextual(next, "function");\n}\n\nparseExportDefaultExpression() {\n const expr = this.startNode();\n const isAsync = this.isAsyncFunction();\n if (this.match(types._function) || isAsync) {\n this.next();\n if (isAsync) {\n this.next();\n }\n return this.parseFunction(expr, FUNC_STATEMENT | FUNC_NULLABLE_ID, isAsync);\n } else if (this.match(types._class)) {\n return this.parseClass(expr, true, true);\n } else if (this.match(types.at)) {\n if (this.hasPlugin("decorators") &&\n this.getPluginOption("decorators", "decoratorsBeforeExport")) {\n this.raise(this.state.start, ErrorMessages.DecoratorBeforeExport);\n }\n this.parseDecorators(false);\n return this.parseClass(expr, true, true);\n } else if (this.match(types._const) || this.match(types._var) || this.isLet()) {\n throw this.raise(this.state.start, ErrorMessages.UnsupportedDefaultExport);\n } else {\n const res = this.parseMaybeAssignAllowIn();\n this.semicolon();\n return res;\n }\n}\n\nparseExportDeclaration(node) {\n return this.parseStatement(null);\n}\n\nisExportDefaultSpecifier() {\n if (this.match(types.name)) {\n const value = this.state.value;\n if (value === "async" &&\n !this.state.containsEsc || value === "let") {\n return false;\n }\n if ((value === "type" || value === "interface") &&\n !this.state.containsEsc) {\n const l = this.lookahead();\n if (l.type === types.name &&\n l.value !== "from" || l.type === types.braceL) {\n this.expectOnePlugin(["flow", "typescript"]);
 }\n return false;\n }\n } else if (!this.match(types._default)) {\n return false;\n }\n\n const next = this.nextTokenStart();\n const hasFrom = this.isUnparsedContextual(next, "from");\n if (this.input.charCodeAt(next) === 44 || this.match(types.name) && hasFrom) {\n return true;\n }\n if (this.match(types._default) && hasFrom) {\n const nextAfterFrom = this.input.charCodeAt(this.nextTokenStartSince(next + 4));\n return nextAfterFrom === 34 || nextAfterFrom === 39;\n }\n\n return false;\n}\n\nparseExportFrom(node, expect) {\n if (this.eatContextual("from")) {\n node.source = this.parseImportSource();\n this.checkExport(node);\n const assertions = this.maybeParseImportAssertions();\n if (assertions) {\n node.assertions = assertions;\n } else {\n if (expect) {\n this.unexpected();\n } else {\n node.source = null;\n }\n }\n this.semicolon();\n }\n\n if (this.match(types.at)) {\n this.expectOnePlugin(["decorators", "decorators-legacy"]);
 if (this.hasPlugin("decorators")) {\n if (this.getPluginOption("decorators", "decoratorsBeforeExport")) {\n this.unexpected(this.state.start, ErrorMessages.DecoratorBeforeExport);\n } else {\n return true;\n }\n }\n }\n\n return this.state.type.keyword === "var" || this.state.type.keyword === "const" || this.state.type.keyword === "function" || this.state.type.keyword === "class" || this.isLet() || this.isAsyncFunction();\n}\n\ncheckExport(node, checkNames, isDefault, isFrom) {\n if (checkNames) {\n if (isDefault) {\n this.checkDuplicateExports(node, "default");\n }\n if (this.hasPlugin("exportDefaultFrom")) {\n var _declaration$extra;\n const declaration = node.declaration;\n if (declaration.type === "Identifier" && declaration.name === "from" && declaration.end - declaration.start === 4 &&\n !((_declaration$extra = declaration.extra) == null ? void 0 : _declaration$extra.parenthesized)) {\n this.raise(declaration.start, ErrorMessages.ExportDefaultFromAsIdentifier);\n }\n }\n } else if

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(node.specifiers && node.specifiers.length) {\n for (let _i4 = 0, _node$specifiers = node.specifiers; _i4 <
_node$specifiers.length; _i4++) {\n const specifier = _node$specifiers[_i4];\n const {\n
exported\n } = specifier;\n const exportedName = exported.type === \"Identifier\" ? exported.name :
exported.value;\n this.checkDuplicateExports(specifier, exportedName);\n\n if (!isFrom &&
specifier.local) {\n const {\n local\n } = specifier;\n\n if (local.type ===
\"StringLiteral\") {\n this.raise(specifier.start, ErrorMessages.ExportBindingIsString,
local.extra.raw, exportedName);\n } else {\n this.checkReservedWord(local.name, local.start, true,
false);\n this.scope.checkLocalExport(local);\n }\n } else if (node.declaration)
{\n if (node.declaration.type === \"FunctionDeclaration\" || node.declaration.type === \"ClassDeclaration\") {\n
const id = node.declaration.id;\n if (!id) throw new Error(\"Assertion failure\");\n
this.checkDuplicateExports(node, id.name);\n } else if (node.declaration.type === \"VariableDeclaration\") {\n
for (let _i5 = 0, _node$declaration$dec = node.declaration.declarations; _i5 < _node$declaration$dec.length;
_i5++) {\n const declaration = _node$declaration$dec[_i5];\n this.checkDeclaration(declaration.id);\n
 }\n }\n }\n\n const currentContextDecorators =
this.state.decoratorStack[this.state.decoratorStack.length
- 1];\n\n if (currentContextDecorators.length) {\n throw this.raise(node.start,
ErrorMessages.UnsupportedDecoratorExport);\n }\n\n checkDeclaration(node) {\n if (node.type ===
\"Identifier\") {\n this.checkDuplicateExports(node, node.name);\n } else if (node.type === \"ObjectPattern\")
{\n for (let _i6 = 0, _node$properties = node.properties; _i6 < _node$properties.length; _i6++) {\n const
prop = _node$properties[_i6];\n this.checkDeclaration(prop);\n }\n } else if (node.type ===
\"ArrayPattern\") {\n for (let _i7 = 0, _node$elements = node.elements; _i7 < _node$elements.length; _i7++) {\n
const elem = _node$elements[_i7];\n\n if (elem) {\n this.checkDeclaration(elem);\n }\n }\n
 } else if (node.type === \"ObjectProperty\") {\n this.checkDeclaration(node.value);\n } else if (node.type ===
\"RestElement\") {\n this.checkDeclaration(node.argument);\n } else if (node.type
=== \"AssignmentPattern\") {\n this.checkDeclaration(node.left);\n }\n }\n\n checkDuplicateExports(node,
name) {\n if (this.state.exportedIdentifiers.indexOf(name) > -1) {\n this.raise(node.start, name === \"default\" ?
ErrorMessages.DuplicateDefaultExport : ErrorMessages.DuplicateExport, name);\n }\n\n this.state.exportedIdentifiers.push(name);\n }\n\n parseExportSpecifiers() {\n const nodes = [];\n let first =
true;\n this.expect(types.braceL);\n\n while (!this.eat(types.braceR)) {\n if (first) {\n first = false;\n }\n
 else {\n this.expect(types.comma);\n if (this.eat(types.braceR)) break;\n }\n\n const node =
this.startNode();\n node.local = this.parseModuleExportName();\n node.exported = this.eatContextual(\"as\")
? this.parseModuleExportName() : node.local.__clone();\n nodes.push(this.finishNode(node,
\"ExportSpecifier\"));\n }\n\n return nodes;\n }\n\n parseModuleExportName()
{\n if (this.match(types.string)) {\n this.expectPlugin(\"moduleStringNames\");\n const result =
this.parseLiteral(this.state.value, \"StringLiteral\");\n const surrogate = result.value.match(loneSurrogate);\n\n if (surrogate) {\n this.raise(result.start, ErrorMessages.ModuleExportNameHasLoneSurrogate,
surrogate[0].charCodeAt(0).toString(16));\n }\n\n return result;\n }\n\n return this.parseIdentifier(true);\n }\n\n parseImport(node) {\n node.specifiers = [];\n\n if (!this.match(types.string)) {\n const hasDefault =
this.maybeParseDefaultImportSpecifier(node);\n const parseNext = !hasDefault || this.eat(types.comma);\n const hasStar = parseNext && this.maybeParseStarImportSpecifier(node);\n if (parseNext && !hasStar)
this.parseNamedImportSpecifiers(node);\n this.expectContextual(\"from\");\n }\n\n node.source =
this.parseImportSource();\n const assertions = this.maybeParseImportAssertions();\n\n if (assertions) {\n node.assertions = assertions;\n } else {\n const attributes =
this.maybeParseModuleAttributes();\n\n if (attributes) {\n node.attributes = attributes;\n }\n }\n\n this.semicolon();\n return this.finishNode(node, \"ImportDeclaration\");\n }\n\n parseImportSource() {\n if
(!this.match(types.string)) this.unexpected();\n return this.parseExprAtom();\n }\n\n shouldParseDefaultImport(node) {\n return this.match(types.name);\n }\n\n parseImportSpecifierLocal(node,
specifier, type, contextDescription) {\n specifier.local = this.parseIdentifier();\n this.checkLVal(specifier.local,

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BIND_LEXICAL, undefined, contextDescription);\n node.specifiers.push(this.finishNode(specifier, type));\n}\n\n parseAssertEntries() {\n const attrs = [];\n const attrNames = new Set();\n do {\n if (this.match(types.braceR)) {\n break;\n }\n const node = this.startNode();\n const keyName = this.state.value;\n if (this.match(types.string)) {\n node.key = this.parseLiteral(keyName, \"StringLiteral\");\n } else {\n node.key = this.parseIdentifier(true);\n }\n this.expect(types.colon);\n if (keyName !== \"type\") {\n this.raise(node.key.start, ErrorMessages.ModuleAttributeDifferentFromType, keyName);\n }\n if (attrNames.has(keyName)) {\n this.raise(node.key.start, ErrorMessages.ModuleAttributesWithDuplicateKeys, keyName);\n }\n attrNames.add(keyName);\n if (!this.match(types.string)) {\n throw this.unexpected(this.state.start, ErrorMessages.ModuleAttributeInvalidValue);\n }\n node.value = this.parseLiteral(this.state.value, \"StringLiteral\");\n this.finishNode(node, \"ImportAttribute\");\n attrs.push(node);\n } while (this.eat(types.comma));\n return attrs;\n }\n\n maybeParseModuleAttributes() {\n if (this.match(types._with) && !this.hasPrecedingLineBreak()) {\n this.expectPlugin(\"moduleAttributes\");\n this.next();\n } else {\n if (this.hasPlugin(\"moduleAttributes\")) return [];\n return null;\n }\n const attrs = [];\n const attributes = new Set();\n do {\n const node = this.startNode();\n node.key = this.parseIdentifier(true);\n if (node.key.name !== \"type\") {\n this.raise(node.key.start, ErrorMessages.ModuleAttributeDifferentFromType, node.key.name);\n }\n if (attributes.has(node.key.name)) {\n this.raise(node.key.start, ErrorMessages.ModuleAttributesWithDuplicateKeys, node.key.name);\n }\n attributes.add(node.key.name);\n this.expect(types.colon);\n if (!this.match(types.string)) {\n throw this.unexpected(this.state.start, ErrorMessages.ModuleAttributeInvalidValue);\n }\n node.value = this.parseLiteral(this.state.value, \"StringLiteral\");\n this.finishNode(node, \"ImportAttribute\");\n attrs.push(node);\n } while (this.eat(types.comma));\n return attrs;\n }\n\n maybeParseImportAssertions() {\n if (this.isContextual(\"assert\") && !this.hasPrecedingLineBreak()) {\n this.expectPlugin(\"importAssertions\");\n this.next();\n } else {\n if (this.hasPlugin(\"importAssertions\")) return [];\n return null;\n }\n this.eat(types.braceL);\n const attrs = this.parseAssertEntries();\n this.eat(types.braceR);\n return attrs;\n }\n\n maybeParseDefaultImportSpecifier(node) {\n if (this.shouldParseDefaultImport(node)) {\n this.parseImportSpecifierLocal(node, this.startNode(), \"ImportDefaultSpecifier\", \"default import specifier\");\n return true;\n }\n return false;\n }\n\n maybeParseStarImportSpecifier(node) {\n if (this.match(types.star)) {\n const specifier = this.startNode();\n this.next();\n this.expectContextual(\"as\");\n this.parseImportSpecifierLocal(node, specifier, \"ImportNamespaceSpecifier\", \"import namespace specifier\");\n return true;\n }\n return false;\n }\n\n parseNamedImportSpecifiers(node) {\n let first = true;\n this.expect(types.braceL);\n while (!this.eat(types.braceR)) {\n if (first) {\n first = false;\n } else {\n if (this.eat(types.colon)) {\n throw this.raise(this.state.start, ErrorMessages.DestructureNamedImport);\n }\n }\n this.expect(types.comma);\n if (this.eat(types.braceR)) break;\n this.parseImportSpecifier(node);\n }\n }\n\n parseImportSpecifier(node) {\n const specifier = this.startNode();\n specifier.imported = this.parseModuleExportName();\n if (this.eatContextual(\"as\")) {\n specifier.local = this.parseIdentifier();\n } else {\n const {\n imported\n } = specifier;\n if (imported.type === \"StringLiteral\") {\n throw this.raise(specifier.start, ErrorMessages.ImportBindingIsString, imported.value);\n }\n this.checkReservedWord(imported.name, specifier.start, true, true);\n specifier.local = imported.__clone();\n }\n this.checkLVal(specifier.local, BIND_LEXICAL, undefined, \"import specifier\");\n node.specifiers.push(this.finishNode(specifier, \"ImportSpecifier\"));\n }\n}\n\nclass ClassScope {\n constructor() {\n this.privateNames = new Set();\n this.loneAccessors = new Map();\n this.undefinedPrivateNames = new Map();\n }\n}\n\nclass ClassScopeHandler {\n constructor(raise) {\n this.stack = [];\n this.undefinedPrivateNames = new Map();\n this.raise = raise;\n }\n\n current() {\n return this.stack[this.stack.length - 1];\n }\n\n enter() {\n this.stack.push(new ClassScope());\n }\n\n exit() {\n const oldClassScope = this.stack.pop();\n const current = this.current();\n for (let _i = 0, _Array$from =

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Array.from(oldClassScope.undefinedPrivateNames); _i < _Array$from.length; _i++)
 {\n const [name, pos] = _Array$from[_i];\n if (current) {\n if
(!current.undefinedPrivateNames.has(name)) {\n current.undefinedPrivateNames.set(name, pos);\n }\n } else {\n this.raise(pos, ErrorMessages.InvalidPrivateFieldResolution, name);\n }\n }\n\n declarePrivateName(name, elementType, pos) {\n const classScope = this.current();\n let redefined =
classScope.privateNames.has(name);\n if (elementType & CLASS_ELEMENT_KIND_ACCESSOR) {\n
const accessor = redefined && classScope.loneAccessors.get(name);\n if (accessor) {\n const oldStatic =
accessor & CLASS_ELEMENT_FLAG_STATIC;\n const newStatic = elementType &
CLASS_ELEMENT_FLAG_STATIC;\n const oldKind = accessor &
CLASS_ELEMENT_KIND_ACCESSOR;\n const newKind = elementType &
CLASS_ELEMENT_KIND_ACCESSOR;\n redefined = oldKind === newKind || oldStatic !== newStatic;\n
if (!redefined) classScope.loneAccessors.delete(name);\n
 } else if (!redefined) {\n classScope.loneAccessors.set(name, elementType);\n }\n }\n\n if (redefined)
{\n this.raise(pos, ErrorMessages.PrivateNameRedeclaration, name);\n }\n\n classScope.privateNames.add(name);\n classScope.undefinedPrivateNames.delete(name);\n}\n\n usePrivateName(name, pos) {\n let classScope;\n for (let _i2 = 0, _this$stack = this.stack; _i2 <
_this$stack.length; _i2++) {\n classScope = _this$stack[_i2];\n if (classScope.privateNames.has(name))
return;\n }\n if (classScope) {\n classScope.undefinedPrivateNames.set(name, pos);\n } else {\n
this.raise(pos, ErrorMessages.InvalidPrivateFieldResolution, name);\n }\n }\n\n}\n\n class Parser extends
StatementParser {\n constructor(options, input) {\n options = getOptions(options);\n super(options, input);\n
const ScopeHandler = this.getScopeHandler();\n this.options = options;\n this.inModule =
this.options.sourceType
 === "module";\n this.scope = new ScopeHandler(this.raise.bind(this), this.inModule);\n this.prodParam = new
ProductionParameterHandler();\n this.classScope = new ClassScopeHandler(this.raise.bind(this));\n
this.expressionScope = new ExpressionScopeHandler(this.raise.bind(this));\n this.plugins =
pluginsMap(this.options.plugins);\n this.filename = options.sourceFilename;\n }\n\n getScopeHandler() {\n
return ScopeHandler;\n }\n\n parse() {\n let paramFlags = PARAM;\n if (this.hasPlugin("topLevelAwait")
&& this.inModule) {\n paramFlags |= PARAM_AWAIT;\n }\n this.scope.enter(SCOPE_PROGRAM);\n
this.prodParam.enter(paramFlags);\n const file = this.startNode();\n const program = this.startNode();\n
this.nextToken();\n file.errors = null;\n this.parseTopLevel(file, program);\n file.errors = this.state.errors;\n
return file;\n }\n\n function pluginsMap(plugings) {\n const pluginMap = new Map();\n for (let _i
= 0; _i < plugings.length; _i++) {\n const plugin = plugings[_i];\n const [name, options] = Array.isArray(plugin) ?
plugin : [plugin, {}];\n if (!pluginMap.has(name)) pluginMap.set(name, options || {});\n }\n return
pluginMap;\n }\n\n function parse(input, options) {\n var _options;\n if (((_options = options) === null ? void 0 :
_options.sourceType) === "unambiguous") {\n options = Object.assign({}, options);\n try {\n
options.sourceType = "module";\n const parser = getParser(options, input);\n const ast = parser.parse();\n
if (parser.sawUnambiguousESM) {\n return ast;\n }\n if (parser.ambiguousScriptDifferentAst) {\n
try {\n options.sourceType = "script";\n return getParser(options, input).parse();\n } catch
(_unused) {} \n } else {\n ast.program.sourceType = "script";\n return ast;\n } catch
(moduleError) {\n try {\n options.sourceType = "script";\n
 return getParser(options, input).parse();\n } catch (_unused2) {} \n throw moduleError;\n }\n } else
{\n return getParser(options, input).parse();\n }\n }\n\n function parseExpression(input, options) {\n const parser =
getParser(options, input);\n if (parser.options.strictMode) {\n parser.state.strict = true;\n }\n return
parser.getExpression();\n }\n\n function getParser(options, input) {\n let cls = Parser;\n if (options === null ? void 0 :
options.plugins) {\n validatePlugins(options.plugins);\n cls = getParserClass(options.plugins);\n }\n return
new cls(options, input);\n }\n\n const parserClassCache = {};\n\n function getParserClass(plugingsFromOptions) {\n const
pluginList = mixinPluginNames.filter(name => hasPlugin(plugingsFromOptions, name));\n const key =
pluginList.join("^");\n let cls = parserClassCache[key];\n if (!cls) {\n cls = Parser;\n for (let _i <

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pluginList.length; _i++) {\n const plugin =
pluginList[_i];\n cls = mixinPlugins(plugin)(cls);\n }\n\n parserClassCache[key] = cls;\n }\n\n return
cls;\n}\n\nexports.parse = parse;\nexports.parseExpression = parseExpression;\nexports.tokenTypes = types;\n\n//
sourceMappingURL=index.js.map\n", "use strict\n\n// A linked list to keep track of recently-used-ness\nconst
Yallist = require('yallist')\n\nconst MAX = Symbol('max')\nconst LENGTH = Symbol('length')\nconst
LENGTH_CALCULATOR = Symbol('lengthCalculator')\nconst ALLOW_STALE = Symbol('allowStale')\nconst
MAX_AGE = Symbol('maxAge')\nconst DISPOSE = Symbol('dispose')\nconst NO_DISPOSE_ON_SET =
Symbol('noDisposeOnSet')\nconst LRU_LIST = Symbol('lruList')\nconst CACHE = Symbol('cache')\nconst
UPDATE_AGE_ON_GET = Symbol('updateAgeOnGet')\n\nconst naiveLength = () => 1\n\n// lruList is a yallist
where the head is the youngest\n// item, and the tail is the oldest. the list contains the Hit\n// objects as the
entries.\n// Each Hit object has a reference to its Yallist.Node.

This\n// never changes.\n\n// cache is a Map (or PseudoMap) that matches the keys to\n// the Yallist.Node
object.\n\nclass LRUCache {\n constructor (options) {\n if (typeof options === 'number')\n options = { max:
options }\n\n if (!options)\n options = {}\n\n if (options.max && (typeof options.max !== 'number' ||
options.max < 0))\n throw new TypeError('max must be a non-negative number')\n // Kind of weird to have a
default max of Infinity, but oh well.\n const max = this[MAX] = options.max || Infinity\n\n const lc =
options.length || naiveLength\n this[LENGTH_CALCULATOR] = (typeof lc !== 'function') ? naiveLength : lc\n
this[ALLOW_STALE] = options.stale || false\n if (options.maxAge && typeof options.maxAge !== 'number')\n
throw new TypeError('maxAge must be a number')\n this[MAX_AGE] = options.maxAge || 0\n this[DISPOSE]
= options.dispose\n this[NO_DISPOSE_ON_SET] = options.noDisposeOnSet || false\n
this[UPDATE_AGE_ON_GET]
= options.updateAgeOnGet || false\n this.reset()\n }\n\n // resize the cache when the max changes.\n set max
(mL) {\n if (typeof mL !== 'number' || mL < 0)\n throw new TypeError('max must be a non-negative
number')\n\n this[MAX] = mL || Infinity\n trim(this)\n }\n get max () {\n return this[MAX]\n }\n\n set
allowStale (allowStale) {\n this[ALLOW_STALE] = !!allowStale\n }\n get allowStale () {\n return
this[ALLOW_STALE]\n }\n\n set maxAge (mA) {\n if (typeof mA !== 'number')\n throw new
TypeError('maxAge must be a non-negative number')\n\n this[MAX_AGE] = mA\n trim(this)\n }\n get
maxAge () {\n return this[MAX_AGE]\n }\n\n // resize the cache when the lengthCalculator changes.\n set
lengthCalculator (lC) {\n if (typeof lC !== 'function')\n lC = naiveLength\n\n if (lC !==
this[LENGTH_CALCULATOR]) {\n this[LENGTH_CALCULATOR] = lC\n this[LENGTH] = 0\n
this[LRU_LIST].forEach(hit => {\n hit.length
= this[LENGTH_CALCULATOR](hit.value, hit.key)\n this[LENGTH] += hit.length\n })\n }\n
trim(this)\n }\n get lengthCalculator () {\n return this[LENGTH_CALCULATOR]\n }\n get length () {\n
return this[LENGTH]\n }\n get itemCount () {\n return this[LRU_LIST].length\n }\n\n rforEach (fn, thisp) {\n thisp = thisp ||
this\n for (let walker = this[LRU_LIST].tail; walker !== null;) {\n const prev = walker.prev\n
forEachStep(this, fn, walker, thisp)\n walker = prev\n }\n }\n\n forEach (fn, thisp) {\n thisp = thisp || this\n
for (let walker = this[LRU_LIST].head; walker !== null;) {\n const next = walker.next\n forEachStep(this, fn,
walker, thisp)\n walker = next\n }\n }\n\n keys () {\n return this[LRU_LIST].toArray().map(k => k.key)\n
 }\n\n values () {\n return this[LRU_LIST].toArray().map(k => k.value)\n }\n\n reset () {\n if (this[DISPOSE]
&&\n this[LRU_LIST] &&\n this[LRU_LIST].length) {\n this[LRU_LIST].forEach(hit
=> this[DISPOSE](hit.key, hit.value))\n }\n\n this[CACHE] = new Map() // hash of items by key\n
this[LRU_LIST] = new Yallist() // list of items in order of use recency\n this[LENGTH] = 0 // length of items in
the list\n }\n\n dump () {\n return this[LRU_LIST].map(hit => {\n isStale(this, hit) ? false : {\n k: hit.key,\n
v: hit.value,\n e: hit.now + (hit.maxAge || 0)\n }).toArray().filter(h => h)\n })\n }\n\n dumpLru () {\n
return this[LRU_LIST]\n }\n\n set (key, value, maxAge) {\n maxAge = maxAge || this[MAX_AGE]\n\n if
(maxAge && typeof maxAge !== 'number')\n throw new TypeError('maxAge must be a number')\n\n const
now = maxAge ? Date.now() : 0\n const len = this[LENGTH_CALCULATOR](value, key)\n\n if
(this[CACHE].has(key)) {\n if (len > this[MAX]) {\n del(this, this[CACHE].get(key))\n return false\n

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}\n\n const node = this[CACHE].get(key)\n const item = node.value\n\n // dispose of the old one before overwriting\n // split out into 2 ifs for better coverage tracking\n if (this[DISPOSE]) {\n if (!this[NO_DISPOSE_ON_SET])\n this[DISPOSE](key, item.value)\n }\n\n item.now = now\n item.maxAge = maxAge\n item.value = value\n this[LENGTH] += len - item.length\n item.length = len\n this.get(key)\n trim(this)\n return true\n}\n\n const hit = new Entry(key, value, len, now, maxAge)\n\n // oversized objects fall out of cache automatically.\n if (hit.length > this[MAX]) {\n if (this[DISPOSE])\n this[DISPOSE](key, value)\n return false\n }\n\n this[LENGTH] += hit.length\n this[LRU_LIST].unshift(hit)\n this[CACHE].set(key, this[LRU_LIST].head)\n trim(this)\n return true\n}\n\n has(key) {\n if (!this[CACHE].has(key)) return false\n const hit = this[CACHE].get(key).value\n return !isStale(this, hit)\n }\n\n get(key) {\n return get(this, key, true)\n }\n\n peek(key) {\n return get(this, key, false)\n }\n\n pop() {\n const node = this[LRU_LIST].tail\n if (!node)\n return null\n del(this, node)\n return node.value\n }\n\n del(key) {\n del(this, this[CACHE].get(key))\n }\n\n load(arr) {\n // reset the cache\n this.reset()\n const now = Date.now()\n // A previous serialized cache has the most recent items first\n for (let l = arr.length - 1; l >= 0; l--) {\n const hit = arr[l]\n const expiresAt = hit.e || 0\n if (expiresAt === 0)\n // the item was created without expiration in a non aged cache\n this.set(hit.k, hit.v)\n else {\n const maxAge = expiresAt - now\n // dont add already expired items\n if (maxAge > 0) {\n this.set(hit.k, hit.v, maxAge)\n }\n }\n }\n prune()\n this[CACHE].forEach((value, key) => get(this, key, false))\n }\n\n const get = (self, key, doUse) => {\n const node = self[CACHE].get(key)\n if (node) {\n const hit = node.value\n if (isStale(self, hit)) {\n del(self, node)\n if (!self[ALLOW_STALE])\n return undefined\n } else {\n if (doUse) {\n if (self[UPDATE_AGE_ON_GET])\n node.value.now = Date.now()\n self[LRU_LIST].unshiftNode(node)\n }\n return hit.value\n }\n }\n const isStale = (self, hit) => {\n if (!hit || (!hit.maxAge && !self[MAX_AGE]))\n return false\n const diff = Date.now() - hit.now\n return hit.maxAge ? diff > hit.maxAge : self[MAX_AGE] && (diff > self[MAX_AGE])\n }\n const trim = self => {\n if (self[LENGTH] > self[MAX]) {\n for (let walker = self[LRU_LIST].tail; self[LENGTH] > self[MAX] && walker !== null;) {\n // We know that we're about to delete this one, and also\n // what the next least recently used key will be, so just\n // go ahead and set it now.\n const prev = walker.prev\n del(self, walker)\n walker = prev\n }\n }\n }\n const del = (self, node) => {\n if (node) {\n const hit = node.value\n if (self[DISPOSE])\n self[DISPOSE](hit.key, hit.value)\n self[LENGTH] -= hit.length\n self[CACHE].delete(hit.key)\n self[LRU_LIST].removeNode(node)\n }\n }\n class Entry {\n constructor(key, value, length, now, maxAge) {\n this.key = key\n this.value = value\n this.length = length\n this.now = now\n this.maxAge = maxAge || 0\n }\n }\n const forEachStep = (self, fn, node, thisp) => {\n let hit = node.value\n if (isStale(self, hit)) {\n del(self, node)\n if (!self[ALLOW_STALE])\n hit = undefined\n }\n if (hit)\n fn.call(thisp, hit.value, hit.key, self)\n }\n module.exports = LRUCache\n }\n\n /**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n @flow\n\n nextport\n\n default function testErrorStack() {\n // If source maps are applied, this Error will have a stack frame with line 12.\n throw Error('Test Error stack');\n }\n\n nextport const SOURCE_STACK_FRAME_LINE_NUMBER = 12;\n\n \"use strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value: true\n });\n\n exports.ForAwaitStatement = exports.NumericLiteralTypeAnnotation = exports.ExistentialTypeParam = exports.SpreadProperty = exports.RestProperty = exports.Flow = exports.Pure = exports.Generated = exports.User = exports.Var = exports.BlockScoped = exports.Referenced = exports.Scope = exports.Expression = exports.Statement = exports.BindingIdentifier = exports.ReferencedMemberExpression = exports.ReferencedIdentifier = void 0;\n\n nvar t = _interopRequireWildcard(require(\"@babel/types\"));\n\n function _getRequireWildcardCache() {\n if (typeof WeakMap !== \"function\")\n return null;\n var cache = new WeakMap();\n _getRequireWildcardCache = function () {\n return cache;\n };\n return cache;\n }\n\n function

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_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nconst ReferencedIdentifier = {\n types: ["Identifier",
"JSXIdentifier"],\n checkPath(path, opts) {\n const {\n node,\n parent\n } = path;\n\n if
(!t.isIdentifier(node, opts) && !t.isJSXMemberExpression(parent, opts)) {\n if (t.isJSXIdentifier(node,
opts)) {\n if (t.react.isCompatTag(node.name)) return false;\n } else {\n return false;\n }\n }\n return t.isReferenced(node, parent, path.parentPath.parent);\n }\n};\n\nexports.ReferencedIdentifier =
ReferencedIdentifier;\n\nconst ReferencedMemberExpression = {\n types: ["MemberExpression"],\n checkPath({\n node,\n parent\n }) {\n return t.isMemberExpression(node) && t.isReferenced(node, parent);\n }\n};\n\nexports.ReferencedMemberExpression = ReferencedMemberExpression;\n\nconst BindingIdentifier = {\n types: ["Identifier"],\n checkPath(path) {\n const {\n node,\n parent\n } = path;\n const grandparent
= path.parentPath.parent;\n return t.isIdentifier(node) && t.isBinding(node, parent, grandparent);\n }\n};\n\nexports.BindingIdentifier = BindingIdentifier;\n\nconst Statement = {\n types: ["Statement"],\n checkPath({\n node,\n parent\n }) {\n if (t.isStatement(node)) {\n if (t.isVariableDeclaration(node)) {\n if (t.isForXStatement(parent, {\n left: node\n })) return
false;\n if (t.isForStatement(parent, {\n init: node\n })) return false;\n }\n return true;\n }
else {\n return false;\n }\n }\n};\n\nexports.Statement = Statement;\n\nconst Expression = {\n types:
["Expression"],\n checkPath(path) {\n if (path.isIdentifier()) {\n return path.isReferencedIdentifier();\n }
else {\n return t.isExpression(path.node);\n }\n }\n};\n\nexports.Expression = Expression;\n\nconst Scope = {\n
types: ["Scopable", "Pattern"],\n checkPath(path) {\n return t.isScope(path.node, path.parent);\n }\n};\n\nexports.Scope = Scope;\n\nconst Referenced = {\n checkPath(path) {\n return t.isReferenced(path.node,
path.parent);\n }\n};\n\nexports.Referenced = Referenced;\n\nconst BlockScoped = {\n checkPath(path) {\n return
t.isBlockScoped(path.node);\n }\n};\n\nexports.BlockScoped
= BlockScoped;\n\nconst Var = {\n types: ["VariableDeclaration"],\n checkPath(path) {\n return
t.isVar(path.node);\n }\n};\n\nexports.Var = Var;\n\nconst User = {\n checkPath(path) {\n return path.node &&
!path.node.loc;\n }\n};\n\nexports.User = User;\n\nconst Generated = {\n checkPath(path) {\n return
!path.isUser();\n }\n};\n\nexports.Generated = Generated;\n\nconst Pure = {\n checkPath(path, opts) {\n return
path.scope.isPure(path.node, opts);\n }\n};\n\nexports.Pure = Pure;\n\nconst Flow = {\n types: ["Flow",
"ImportDeclaration", "ExportDeclaration", "ImportSpecifier"],\n checkPath({\n node\n }) {\n if
(t.isFlow(node)) {\n return true;\n } else if (t.isImportDeclaration(node)) {\n return node.importKind ===
"type" || node.importKind === "typeof";\n } else if (t.isExportDeclaration(node)) {\n return node.exportKind
=== "type";\n } else if (t.isImportSpecifier(node)) {\n return node.importKind === "type"
|| node.importKind === "typeof";\n } else {\n return false;\n }\n }\n};\n\nexports.Flow = Flow;\n\nconst
RestProperty = {\n types: ["RestElement"],\n checkPath(path) {\n return path.parentPath &&
path.parentPath.isObjectPattern();\n }\n};\n\nexports.RestProperty = RestProperty;\n\nconst SpreadProperty = {\n
types: ["RestElement"],\n checkPath(path) {\n return path.parentPath &&
path.parentPath.isObjectExpression();\n }\n};\n\nexports.SpreadProperty = SpreadProperty;\n\nconst
ExistentialTypeParam = {\n types: ["ExistsTypeAnnotation"],\n};\n\nexports.ExistentialTypeParam =
ExistentialTypeParam;\n\nconst NumericLiteralTypeAnnotation = {\n types:
["NumberLiteralTypeAnnotation"],\n};\n\nexports.NumericLiteralTypeAnnotation =
NumericLiteralTypeAnnotation;\n\nconst ForAwaitStatement = {\n types: ["ForOfStatement"],\n checkPath({\n node\n }) {\n return node.await === true;\n }\n};\n\nexports.ForAwaitStatement = ForAwaitStatement;","use
strict";\n\nObject.defineProperty(exports,

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 \"__esModule\", {\n value: true\n});\nexports.default = buildMatchMemberExpression;\n\nvar _matchesPattern =
_interopRequireDefault(require(\"./matchesPattern\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction buildMatchMemberExpression(match, allowPartial) {\n const
parts = match.split(\".\");\n return member => (0, _matchesPattern.default)(member, parts, allowPartial);\n}","use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default =
matchesPattern;\n\nvar _generated = require(\"./generated\");\n\nfunction matchesPattern(member, match,
allowPartial) {\n if (!(0, _generated.isMemberExpression)(member)) return false;\n const parts =
Array.isArray(match) ? match : match.split(\".\");\n const nodes = [];\n let node;\n for (node = member; (0,
_generated.isMemberExpression)(node); node = node.object) {\n nodes.push(node.property);\n }\n nodes.push(node);\n if (nodes.length < parts.length) return false;\n if (!allowPartial && nodes.length >
parts.length) return false;\n for (let i = 0, j = nodes.length - 1; i < parts.length; i++, j--) {\n const node =
nodes[j];\n let value;\n if ((0, _generated.isIdentifier)(node)) {\n value = node.name;\n } else if ((0,
_generated.isStringLiteral)(node)) {\n value = node.value;\n } else {\n return false;\n }\n if (parts[i]
!== value) return false;\n }\n return true;\n}","/**\n * Performs a\n * [`SameValueZero`](http://ecma-
international.org/ecma-262/7.0/#sec-samevaluezero)\n * comparison between two values to determine if they are
equivalent.\n * \n * @static\n * @memberOf _\n * @since 4.0.0\n * @category Lang\n * @param {*} value The
value to compare.\n * @param {*} other The other value to compare.\n * @returns {boolean} Returns `true` if the
values are equivalent, else `false`.\n * @example\n *\n * var object = { 'a': 1 };\n * var other
= { 'a': 1 };\n *\n * _.eq(object, object); // => true\n *\n * _.eq(object, other); // => false\n *\n *
_.eq('a', 'a'); // => true\n *\n * _.eq('a', Object('a')); // => false\n *\n * _.eq(NaN, NaN); // => true\n *\nfunction
eq(value, other) {\n return value === other || (value !== value && other !== other);\n}\n\nmodule.exports =
eq;\n","var baseGetTag = require(\"./_baseGetTag\"),\n isObject = require(\"./isObject\");\n\n/** `Object#toString`
result references. *\nvar asyncTag = '[object AsyncFunction]',\n funcTag = '[object Function]',\n genTag =
'[object GeneratorFunction]',\n proxyTag = '[object Proxy]';\n\n/**\n * Checks if `value` is classified as a
`Function` object.\n * \n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Lang\n * @param {*} value
The value to check.\n * @returns {boolean} Returns `true` if `value` is a function, else `false`.\n * @example\n
*\n * _.isFunction(_); // => true\n *\n * _.isFunction(/abc/); // => false\n\n *\nfunction isFunction(value) {\n if (!isObject(value)) {\n return false;\n }\n // The use of `Object#toString`
avoids issues with the `typeof` operator\n // in Safari 9 which returns 'object' for typed arrays and other
constructors.\n var tag = baseGetTag(value);\n return tag == funcTag || tag == genTag || tag == asyncTag || tag ==
proxyTag;\n}\n\nmodule.exports = isFunction;\n","/** Detect free variable `global` from Node.js. *\nvar freeGlobal
= typeof global == 'object' && global && global.Object === Object && global;\n\nmodule.exports =
freeGlobal;\n","/** Used for built-in method references. *\nvar funcProto = Function.prototype;\n\n/** Used to
resolve the decompiled source of functions. *\nvar funcToString = funcProto.toString;\n\n/**\n * Converts `func`
to its source code.\n * \n * @private\n * @param {Function} func The function to convert.\n * @returns {string}
Returns the source code.\n *\nfunction toSource(func) {\n if (func != null) {\n try {\n return
funcToString.call(func);\n } catch (e) {} \n try {\n return (func + \"\");\n } catch (e) {} \n }\n return
\";\n}\n\nmodule.exports = toSource;\n","var baseAssignValue = require(\"./_baseAssignValue\"),\n eq =
require(\"./eq\");\n\n/** Used for built-in method references. *\nvar objectProto = Object.prototype;\n\n/** Used to
check objects for own properties. *\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/**\n * Assigns
`value` to `key` of `object` if the existing value is not equivalent\n * using [`SameValueZero`](http://ecma-
international.org/ecma-262/7.0/#sec-samevaluezero)\n * for equality comparisons.\n * \n * @private\n * @param
{Object} object The object to modify.\n * @param {string} key The key of the property to assign.\n * @param {*}
value The value to assign.\n *\nfunction assignValue(object, key, value) {\n var objValue = object[key];\n if
(! (hasOwnProperty.call(object, key) && eq(objValue, value))) {\n (value === undefined && !(key in object))\n {\n baseAssignValue(object, key, value);\n }\n }\n\n module.exports = assignValue;\n","var defineProperty =
require(\"./_defineProperty\");\n\n/**\n * The base implementation of `assignValue` and `assignMergeValue`
without\n * value checks.\n * \n * @private\n * @param {Object} object The object to modify.\n * @param {string}

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key The key of the property to assign.\n * @param {*} value The value to assign.\n */\nfunction
baseAssignValue(object, key, value) {\n if (key == '__proto__' && defineProperty) {\n defineProperty(object,
key, {\n 'configurable': true,\n 'enumerable': true,\n 'value': value,\n 'writable': true\n });\n } else {\n object[key] = value;\n }\n}\n\nmodule.exports = baseAssignValue;\n", "var baseTimes = require('./_baseTimes'),\n isArguments = require('./isArguments'),\n isArray = require('./isArray'),\n isBuffer = require('./isBuffer'),\n isIndex = require('./isIndex'),\n isTypedArray = require('./isTypedArray');\n\n/**
 Used for built-in method references. */\nvar objectProto = Object.prototype;\n\n/** Used to check objects for own
 properties. */\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/** Creates an array of the enumerable
 property names of the array-like `value`. */\n * @private\n * @param {*} value The value to query.\n * @param
 {boolean} inherited Specify returning inherited property names.\n * @returns {Array} Returns the array of property
 names.\n */\nfunction arrayLikeKeys(value, inherited) {\n var isArr = isArray(value),\n isArg = !isArr &&
 isArguments(value),\n isBuff = !isArr && !isArg && isBuffer(value),\n isType = !isArr && !isArg &&
 !isBuff && isTypedArray(value),\n skipIndexes = isArr || isArg || isBuff || isType,\n result = skipIndexes ?
 baseTimes(value.length, String) : [],\n length = result.length;\n\n for (var key in value) {\n if ((inherited ||
 hasOwnProperty.call(value, key)) && \n !(skipIndexes && (\n // Safari 9
 has enumerable `arguments.length` in strict mode.\n key == 'length' ||\n // Node.js 0.10 has enumerable
 non-index properties on buffers.\n (isBuff && (key == 'offset' || key == 'parent')) ||\n // PhantomJS 2 has
 enumerable non-index properties on typed arrays.\n (isType && (key == 'buffer' || key == 'byteLength' || key
 == 'byteOffset')) ||\n // Skip index properties.\n isIndex(key, length)\n))) {\n result.push(key);\n }\n }\n return result;\n}\n\nmodule.exports = arrayLikeKeys;\n", "var root = require('./_root'),\n stubFalse =
 require('./stubFalse');\n\n/** Detect free variable `exports`. */\nvar freeExports = typeof exports == 'object' &&
 exports && !exports.nodeType && exports;\n\n/** Detect free variable `module`. */\nvar freeModule = freeExports
 && typeof module == 'object' && module && !module.nodeType && module;\n\n/** Detect the popular
 CommonJS extension `module.exports`. */\nvar moduleExports
 = freeModule && freeModule.exports === freeExports;\n\n/** Built-in value references. */\nvar Buffer =
 moduleExports ? root.Buffer : undefined;\n\n/** Built-in method references for those with the same name as other
 `lodash` methods. */\nvar nativeIsBuffer = Buffer ? Buffer.isBuffer : undefined;\n\n/** Checks if `value` is a
 buffer. */\n * @static\n * @memberOf _\n * @since 4.3.0\n * @category Lang\n * @param {*} value The value
 to check.\n * @returns {boolean} Returns `true` if `value` is a buffer, else `false`. */\n * @example\n * _\n *
 _.isBuffer(new Buffer(2));\n * // => true\n * _\n * _.isBuffer(new Uint8Array(2));\n * // => false\n */\nvar isBuffer =
 nativeIsBuffer || stubFalse;\n\nmodule.exports = isBuffer;\n", "/* Used as references for various `Number`
 constants. */\nvar MAX_SAFE_INTEGER = 9007199254740991;\n\n/** Checks if `value` is a valid array-like
 length. */\n * @static\n * ***Note:*** This method is loosely based on\n * [`ToLength`](http://ecma-international.org/ecma-
 262/7.0/#sec-tolength).\n * @param {*} value The value to
 check.\n * @returns {boolean} Returns `true` if `value` is a valid length, else `false`. */\n * @example\n * _\n *
 _.isLength(3);\n * // => true\n * _\n * _.isLength(Number.MIN_VALUE);\n * // => false\n * _\n *
 _.isLength(Infinity);\n * // => false\n * _\n * _.isLength('3');\n * // => false\n */\nfunction isLength(value) {\n return
 typeof value == 'number' && \n value > -1 && value % 1 == 0 && value <=
 MAX_SAFE_INTEGER;\n}\n\nmodule.exports = isLength;\n", "/* Creates a unary function that invokes `func`
 with its argument transformed. */\n * @private\n * @param {Function} func The function to wrap.\n * @param
 {Function} transform The argument transform.\n * @returns {Function} Returns the new function.\n */\nfunction
 overArg(func, transform) {\n return function(arg) {\n return func(transform(arg));\n };\n}\n\nmodule.exports =
 overArg;\n", "var isFunction = require('./isFunction'),\n\n isLength = require('./isLength');\n\n/** Checks if `value` is array-like. A value is considered array-like if it's\n
 * not a function and has a `value.length` that's an integer greater than or\n * equal to `0` and less than or equal to
 * `Number.MAX_SAFE_INTEGER`. */\n * @static\n * @memberOf _\n * @since 4.0.0\n * @category Lang\n *
 * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is array-like, else `false`.

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* @example\n *\n * _.isArrayLike([1, 2, 3]);\n * // => true\n *\n * _.isArrayLike(document.body.children);\n * // => true\n *\n * _.isArrayLike('abc');\n * // => true\n *\n * _.isArrayLike(_.noop);\n * // => false\n */\nfunction\nisArrayLike(value) {\n return value != null && isLength(value.length) &&\n !isFunction(value);\n}\n\nmodule.exports = isArrayLike;\n"/**\n * This method returns a new empty array.\n *\n * @static\n * @memberOf _\n * @since 4.13.0\n * @category Util\n * @returns {Array} Returns the new empty\n array.\n *\n * @example\n *\n * var arrays = _.times(2, _.stubArray);\n *\n * console.log(arrays);\n * // => [[], []]\n *\n * console.log(arrays[0] === arrays[1]);\n * // => false\n */\nfunction stubArray() {\n return [];\n}\n\nmodule.exports\n= stubArray;\n", "var arrayPush = require('./_arrayPush'),\n getPrototype = require('./_getPrototype'),\n getSymbols = require('./_getSymbols'),\n stubArray = require('./stubArray');\n\n/* Built-in method references for\nthose with the same name as other `lodash` methods. */\nvar nativeGetSymbols =\n Object.getOwnPropertySymbols;\n\n/**\n * Creates an array of the own and inherited enumerable symbols of\n * `object`.\n *\n * @private\n * @param {Object} object The object to query.\n * @returns {Array} Returns the array\n of symbols.\n */\nvar getSymbolsIn = !nativeGetSymbols ? stubArray : function(object) {\n var result = [];\n while\n (object) {\n arrayPush(result, getSymbols(object));\n object = getPrototype(object);\n }\n return\n result;\n};\n\nmodule.exports\n= getSymbolsIn;\n", "/*\n * Appends the elements of `values` to `array`.\n *\n * @private\n * @param {Array} array The array to modify.\n * @param {Array} values The values to append.\n * @returns {Array} Returns\n `array`.\n */\nfunction arrayPush(array, values) {\n var index = -1,\n length = values.length,\n offset =\n array.length;\n while (++index < length) {\n array[offset + index] = values[index];\n }\n return\n array;\n}\n\nmodule.exports = arrayPush;\n", "var arrayPush = require('./_arrayPush'),\n isArray =\n require('./isArray');\n\n/**\n * The base implementation of `getAllKeys` and `getAllKeysIn` which uses\n * `keysFunc` and `symbolsFunc` to get the enumerable property names and\n * symbols of `object`.\n *\n * @private\n * @param {Object} object The object to query.\n * @param {Function} keysFunc The function to get\n the keys of `object`.\n * @param {Function} symbolsFunc The function to get the symbols of `object`.\n * @returns\n {Array} Returns the\n array of property names and symbols.\n */\nfunction baseGetAllKeys(object, keysFunc, symbolsFunc) {\n var\n result = keysFunc(object);\n return\n isArray(object) ? result : arrayPush(result,\n symbolsFunc(object));\n}\n\nmodule.exports = baseGetAllKeys;\n", "use strict";\n\nlet fastProto = null;\n\n// Creates\n an object with permanently fast properties in V8. See Toon Verwaest's\n post\n https://medium.com/@tverwaes/setting-up-prototypes-in-v8-ec9c9491dfe2#5f62\n for more details. Use\n %HasFastProperties(object) and the Node.js flag\n --allow-natives-syntax to check whether an object has fast\n properties.\nfunction FastObject(o) {\n // A prototype object will have\n "\"fast properties\" enabled once it is\n checked\n against the inline property cache of a function, e.g. fastProto.property;\n\n https://github.com/v8/v8/blob/6.0.122/test/mjsunit/fast-prototype.js#L48-L63\n (fastProto !== null && typeof\n fastProto.property) {\n const result = fastProto;\n fastProto = FastObject.prototype\n = null;\n return\n result;\n }\n fastProto = FastObject.prototype = o === null ? Object.create(null) : o;\n return\n new\n FastObject;\n}\n\n// Initialize the inline property cache of FastObject\nFastObject();\n\nmodule.exports = function\n toFastproperties(o) {\n return\n FastObject(o);\n };\n\n", "use strict";\n\nObject.defineProperty(exports,\n \"__esModule\", {\n value: true\n });\n\nexports.default = isPlaceholderType;\n\nvar _definitions =\n require(\"../definitions\");\n\nfunction isPlaceholderType(placeholderType, targetType) {\n if\n (placeholderType\n === targetType) return true;\n const aliases = _definitions.PLACEHOLDERS_ALIAS[placeholderType];\n if\n (aliases) {\n for\n (const alias of aliases) {\n if\n (targetType\n === alias) return true;\n }\n }\n }\n return\n false;\n}\n\n", "use strict";\n\nObject.defineProperty(exports,\n \"__esModule\", {\n value: true\n });\n\nexports.PLACEHOLDERS_FLIPPED_ALIAS = exports.PLACEHOLDERS_ALIAS =\n exports.PLACEHOLDERS = void 0;\n\nvar _utils =\n require(\"../utils\");\n\nconst PLACEHOLDERS = [\n \"Identifier\", \"StringLiteral\", \"Expression\", \"Statement\", \"Declaration\", \"BlockStatement\", \"ClassBody\", \"Pattern\"];\n\nexports.PLACEHOLDERS =

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PLACEHOLDERS;\nconst PLACEHOLDERS_ALIAS = {\n Declaration: ["Statement"],\n Pattern: ["PatternLike", "LVal"]\n};\nexports.PLACEHOLDERS_ALIAS = PLACEHOLDERS_ALIAS;\n\nfor (const type of PLACEHOLDERS) {\n const alias = _utils.ALIAS_KEYS[type];\n if (alias == null ? void 0 : alias.length) PLACEHOLDERS_ALIAS[type] = alias;\n}\n\nconst PLACEHOLDERS_FLIPPED_ALIAS = {};\nexports.PLACEHOLDERS_FLIPPED_ALIAS = PLACEHOLDERS_FLIPPED_ALIAS;\nObject.keys(PLACEHOLDERS_ALIAS).forEach(type => {\n PLACEHOLDERS_ALIAS[type].forEach(alias => {\n if (!Object.hasOwnProperty.call(PLACEHOLDERS_FLIPPED_ALIAS, alias)) {\n PLACEHOLDERS_FLIPPED_ALIAS[alias] = [];\n }\n PLACEHOLDERS_FLIPPED_ALIAS[alias].push(type);\n });\n});\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = isNode;\n\nvar _definitions = require("../definitions");\n\nfunction isNode(node) {\n return !!(node && _definitions.VISITOR_KEYS[node.type]);\n}\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = removeTypeDuplicates;\n\nvar _generated = require("../validators/generated");\n\nfunction removeTypeDuplicates(nodes) {\n const generics = {};\n const bases = {};\n const typeGroups = [];\n const types = [];\n\n for (let i = 0; i < nodes.length; i++) {\n const node = nodes[i];\n\n if (!node) continue;\n\n if (types.indexOf(node) >= 0) {\n continue;\n }\n\n if ((0, _generated.isAnyTypeAnnotation)(node)) {\n return [node];\n }\n\n if ((0, _generated.isFlowBaseAnnotation)(node)) {\n bases[node.type] = node;\n continue;\n }\n\n if ((0, _generated.isUnionTypeAnnotation)(node)) {\n if (typeGroups.indexOf(node.types) < 0) {\n nodes = nodes.concat(node.types);\n typeGroups.push(node.types);\n }\n continue;\n }\n\n if ((0, _generated.isGenericTypeAnnotation)(node)) {\n const name = node.id.name;\n\n if (generics[name]) {\n let existing = generics[name];\n\n if (existing.typeParameters) {\n if (node.typeParameters) {\n existing.typeParameters.params = removeTypeDuplicates(existing.typeParameters.params.concat(node.typeParameters.params));\n }\n } else {\n existing = node.typeParameters;\n }\n } else {\n generics[name] = node;\n }\n continue;\n }\n\n types.push(node);\n }\n\n for (const type of Object.keys(bases)) {\n types.push(bases[type]);\n }\n\n for (const name of Object.keys(generics)) {\n types.push(generics[name]);\n }\n\n return types;\n}\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = addComments;\n\nfunction addComments(node, type, comments) {\n if (!comments || !node) return node;\n const key = `${type}Comments`;\n\n if (node[key]) {\n if (type === "leading") {\n node[key] = comments.concat(node[key]);\n } else {\n node[key] = node[key].concat(comments);\n }\n } else {\n node[key] = comments;\n }\n\n return node;\n}\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = inheritInnerComments;\n\nvar _inherit = _interopRequireDefault(require("../utils/inherit"));\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction inheritInnerComments(child, parent) {\n (0, _inherit.default)("innerComments", child, parent);\n}\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = inheritLeadingComments;\n\nvar _inherit = _interopRequireDefault(require("../utils/inherit"));\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction inheritLeadingComments(child, parent) {\n (0, _inherit.default)("leadingComments", child, parent);\n}\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = inheritsComments;\n\nvar _inheritTrailingComments = _interopRequireDefault(require("../inheritTrailingComments"));\nvar _inheritLeadingComments = _interopRequireDefault(require("../inheritLeadingComments"));\nvar _inheritInnerComments = _interopRequireDefault(require("../inheritInnerComments"));\n\nfunction inheritsComments(child, parent) {\n (0,

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_inheritTrailingComments.default)(child, parent);\n (0, _inheritLeadingComments.default)(child, parent);\n (0,
_inheritInnerComments.default)(child, parent);\n return child;\n}", "\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\",
{\n value: true\n});\n\nexports.default = inheritTrailingComments;\n\n\nvar _inherit =
_interopRequireDefault(require(\"../utils/inherit\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction inheritTrailingComments(child, parent) {\n (0,
_inherit.default)(\"trailingComments\", child, parent);\n}", "\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.default = toBlock;\n\n\nvar _generated =
require(\"../validators/generated\");\n\nvar _generated2 = require(\"../builders/generated\");\n\nfunction
toBlock(node, parent) {\n if ((0, _generated.isBlockStatement)(node)) {\n return node;\n }\n\n let blockNodes =
[];\n\n if ((0, _generated.isEmptyStatement)(node)) {\n blockNodes = [];\n } else {\n if (!(0,
_generated.isStatement)(node)) {\n if ((0, _generated.isFunction)(parent)) {\n node = (0,
_generated2.returnStatement)(node);\n } else {\n node = (0,
_generated2.expressionStatement)(node);\n }\n }\n\n blockNodes = [node];\n }\n\n return (0,
_generated2.blockStatement)(blockNodes);\n}", "\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\",
{\n value: true\n});\n\nexports.default = toIdentifier;\n\n\nvar _isValidIdentifier =
_interopRequireDefault(require(\"../validators/isValidIdentifier\"));\n\nfunction _interopRequireDefault(obj) {
return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction toIdentifier(name) {\n name = name + \"\";\n
name = name.replace(/^[a-zA-Z0-9$_]/g, \"-\");\n name = name.replace(/^[0-9]+/, \"\");\n name = name.replace(/[-
\\s]+(\\.)?/g, function (match, c) {\n return c ? c.toUpperCase() : \"\";\n });\n\n if (!(0,
_isValidIdentifier.default)(name)) {\n name = `_${name}`;\n }\n\n return name || \"_\";\n}", "\"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
removePropertiesDeep;\n\n\nvar _traverseFast = _interopRequireDefault(require(\"../traverse/traverseFast\"));\n\nvar
_removeProperties = _interopRequireDefault(require(\"../removeProperties\"));\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction
removePropertiesDeep(tree, opts) {\n (0, _traverseFast.default)(tree, _removeProperties.default, opts);\n return
tree;\n}", "\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
traverseFast;\n\n\nvar _definitions = require(\"../definitions\");\n\nfunction traverseFast(node, enter, opts) {\n if
(!node) return;\n const keys = _definitions.VISITOR_KEYS[node.type];\n if (!keys) return;\n opts = opts || {};\n
enter(node, opts);\n\n for (const key of keys) {\n const subNode = node[key];\n\n if (Array.isArray(subNode))
{\n for (const node of subNode) {\n traverseFast(node, enter, opts);\n }\n } else {\n
traverseFast(subNode, enter, opts);\n }\n }\n}\n}", "\"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
removeProperties;\n\n\nvar _constants = require(\"../constants\");\n\nconst CLEAR_KEYS = [\"tokens\", \"start\",
\"end\", \"loc\", \"raw\", \"rawValue\"]; \nconst CLEAR_KEYS_PLUS_COMMENTS =
_constants.COMMENT_KEYS.concat([\"comments\"]).concat(CLEAR_KEYS);\n\nfunction
removeProperties(node, opts = {}) {\n const map = opts.preserveComments ? CLEAR_KEYS :
CLEAR_KEYS_PLUS_COMMENTS;\n\n for (const key of map) {\n if (node[key] != null) node[key] =
undefined;\n }\n\n for (const key of Object.keys(node)) {\n if (key[0] === \"_\" && node[key] != null) node[key]
= undefined;\n }\n\n const symbols = Object.getOwnPropertySymbols(node);\n\n for (const sym of symbols) {\n
node[sym] = null;\n }\n}\n}", "\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.default = isLet;\n\n\nvar _generated = require(\"../generated\");\n\nvar _constants =
require(\"../constants\");\n\nfunction
isLet(node) {\n return (0, _generated.isVariableDeclaration)(node) && (node.kind !== \"var\" ||
node[_constants.BLOCK_SCOPED_SYMBOL]);\n}", "\"n/**\n * This is the common logic for both the Node.js and
web browser\n * implementations of `debug()`.\n */\n\nfunction setup(env) {\n tcreateDebug.debug =
createDebug;\n tcreateDebug.default = createDebug;\n tcreateDebug.coerce = coerce;\n tcreateDebug.disable =
disable;\n tcreateDebug.enable = enable;\n tcreateDebug.enabled = enabled;\n tcreateDebug.humanize =

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[illegible]

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' + namespace)\n\t].join(',')\n\n\t\tcreateDebug.enable('');\n\n\t\treturn namespaces;\n\t}\n\n\t/**\n\t * Returns true if the given mode name is enabled, false otherwise.\n\t * @param {String} name\n\t * @return {Boolean}\n\t */\n\t@api public\n\tfunction enabled(name) {\n\t\tif (name[name.length - 1] === '*') {\n\t\t\treturn true;\n\t\t}\n\t\tlet i;\n\t\tlet len;\n\t\tfor (i = 0, len = createDebug.skips.length; i < len; i++) {\n\t\t\tif (createDebug.skips[i].test(name)) {\n\t\t\t\treturn false;\n\t\t\t}\n\t\t}\n\t\tfor (i = 0, len = createDebug.names.length; i < len; i++) {\n\t\t\tif (createDebug.names[i].test(name)) {\n\t\t\t\treturn true;\n\t\t\t}\n\t\t}\n\t\treturn false;\n\t}\n\n\t/**\n\t * Convert regexp to namespace\n\t * @param {RegExp} regex\n\t * @return {String} namespace\n\t */\n\t@api private\n\tfunction toNamespace(regex) {\n\t\treturn regex.toString().substring(2, regex.toString().length - 2).\n\t\treplace(/\\.\\.|\\?|\\/|\$/g, '\\\\\\\\');\n\t}\n\n\t/**\n\t * Coerce `val`\n\t * @param {Mixed} val\n\t * @return {Mixed}\n\t */\n\t@api private\n\tfunction coerce(val) {\n\t\tif (val instanceof Error) {\n\t\t\treturn val.stack || val.message;\n\t\t}\n\t\treturn val;\n\t}\n\n\tcreateDebug.enable(createDebug.load());\n\n\treturn createDebug;\n}\n\nmodule.exports = setup;\n","module.exports = require(\"tty\");","module.exports = require(\"os\");","use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = void 0;\n\nvar _renamer = _interopRequireDefault(require(\"./lib/renamer\"));\nvar _index = _interopRequireDefault(require(\"../index\"));\nvar _binding = _interopRequireDefault(require(\"./binding\"));\nvar _globals = _interopRequireDefault(require(\"globals\"));\nvar t = _interopRequireWildcard(require(\"@babel/types\"));\nvar _cache = require(\"../cache\");\n\nfunction _getRequireWildcardCache() {\n if (typeof WeakMap !== \"function\") return null;\n var cache = new WeakMap();\n _getRequireWildcardCache = function () {\n return cache;\n };\n return cache;\n}\n\nfunction _interopRequireWildcard(obj) {\n if (obj && obj.__esModule) {\n return obj;\n }\n if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") {\n return {\n default: obj\n };\n }\n var cache = _getRequireWildcardCache();\n if (cache && cache.has(obj)) {\n return cache.get(obj);\n }\n var newObj = {};\n var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;\n for (var key in obj) {\n if (Object.prototype.hasOwnProperty.call(obj, key)) {\n var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;\n if (desc && (desc.get || desc.set)) {\n Object.defineProperty(newObj, key, desc);\n } else {\n newObj[key] = obj[key];\n }\n }\n }\n newObj.default = obj;\n if (cache) {\n cache.set(obj, newObj);\n }\n return newObj;\n}\n\nfunction _interopRequireDefault(obj) {\n return obj && obj.__esModule ? obj : {\n default: obj\n };\n}\n\nfunction gatherNodeParts(node, parts) {\n switch (node == null ? void 0 : node.type) {\n case \"ModuleDeclaration\":\n if (node.source) {\n gatherNodeParts(node.source, parts);\n } else if (node.specifiers && node.specifiers.length) {\n for (const e of node.specifiers) {\n gatherNodeParts(e, parts);\n }\n } else if (node.declaration) {\n gatherNodeParts(node.declaration, parts);\n } else if (t.isModuleSpecifier(node)) {\n gatherNodeParts(node.local, parts);\n } else if (t.isLiteral(node)) {\n parts.push(node.value);\n }\n break;\n\n case \"MemberExpression\":\n case \"OptionalMemberExpression\":\n case \"JSXMemberExpression\":\n gatherNodeParts(node.object, parts);\n gatherNodeParts(node.property, parts);\n break;\n\n case \"Identifier\":\n case \"JSXIdentifier\":\n parts.push(node.name);\n break;\n\n case \"CallExpression\":\n case \"OptionalCallExpression\":\n case \"NewExpression\":\n gatherNodeParts(node.callee, parts);\n break;\n\n case \"ObjectExpression\":\n case \"ObjectPattern\":\n for (const e of node.properties) {\n gatherNodeParts(e, parts);\n }\n break;\n\n case \"SpreadElement\":\n case \"RestElement\":\n gatherNodeParts(node.argument, parts);\n break;\n\n case \"ObjectProperty\":\n case \"ObjectMethod\":\n case \"ClassProperty\":\n case \"ClassMethod\":\n case \"ClassPrivateProperty\":\n case \"ClassPrivateMethod\":\n gatherNodeParts(node.key, parts);\n break;\n\n case \"ThisExpression\":\n parts.push(\"this\");\n break;\n\n case \"Super\":\n parts.push(\"super\");\n break;\n\n case \"Import\":\n parts.push(\"import\");\n break;\n\n case \"DoExpression\":\n parts.push(\"do\");\n break;\n\n case
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"YieldExpression":\n parts.push("yield");\n gatherNodeParts(node.argument, parts);\n break;\n\n case
"AwaitExpression":\n parts.push("await");\n gatherNodeParts(node.argument, parts);\n break;\n\n case
"AssignmentExpression":\n gatherNodeParts(node.left, parts);\n break;\n\n case "VariableDeclarator":\n gatherNodeParts(node.id, parts);\n break;\n\n case "FunctionExpression":\n case
"FunctionDeclaration":\n case "ClassExpression":\n case "ClassDeclaration":\n gatherNodeParts(node.id,
parts);\n break;\n\n case "PrivateName":\n
 gatherNodeParts(node.id, parts);\n break;\n\n case "ParenthesizedExpression":\n
gatherNodeParts(node.expression, parts);\n break;\n\n case "UnaryExpression":\n case
"UpdateExpression":\n gatherNodeParts(node.argument, parts);\n break;\n\n case "MetaProperty":\n
gatherNodeParts(node.meta, parts);\n gatherNodeParts(node.property, parts);\n break;\n\n case
"JSXElement":\n gatherNodeParts(node.openingElement, parts);\n break;\n\n case
"JSXOpeningElement":\n parts.push(node.name);\n break;\n\n case "JSXFragment":\n
gatherNodeParts(node.openingFragment, parts);\n break;\n\n case "JSXOpeningFragment":\n
parts.push("Fragment");\n break;\n\n case "JSXNamespacedName":\n gatherNodeParts(node.namespace,
parts);\n gatherNodeParts(node.name, parts);\n break;\n }
}\n\nconst collectorVisitor = {\n For(path) {\n
for (const key of t.FOR_INIT_KEYS) {\n
 const declar = path.get(key);\n if (declar.isVar()) {\n const parentScope = path.scope.getFunctionParent()
|| path.scope.getProgramParent();\n parentScope.registerBinding("var", declar);\n }
}\n },\n\n Declaration(path) {\n if (path.isBlockScoped()) return;\n if (path.isExportDeclaration() &&
path.get("declaration").isDeclaration()) {\n return;\n }\n const parent = path.scope.getFunctionParent() ||
path.scope.getProgramParent();\n parent.registerDeclaration(path);\n },\n\n ReferencedIdentifier(path, state) {\n
state.references.push(path);\n },\n\n ForXStatement(path, state) {\n const left = path.get("left");\n if
(left.isPattern() || left.isIdentifier()) {\n state.constantViolations.push(path);\n }\n },\n\n ExportDeclaration:
{\n exit(path) {\n const {\n node,\n scope\n } = path;\n const declar = node.declaration;\n if
(t.isClassDeclaration(declar) || t.isFunctionDeclaration(declar))\n {\n const id = declar.id;\n if (!id) return;\n const binding = scope.getBinding(id.name);\n if
(binding) binding.reference(path);\n } else if (t.isVariableDeclaration(declar)) {\n for (const decl of
declar.declarations) {\n for (const name of Object.keys(t.getBindingIdentifiers(decl))) {\n const binding
= scope.getBinding(name);\n if (binding) binding.reference(path);\n }\n }\n }\n },\n\n LabeledStatement(path) {\n
path.scope.getProgramParent().addGlobal(path.node);\n
path.scope.getBlockParent().registerDeclaration(path);\n },\n\n AssignmentExpression(path, state) {\n
state.assignments.push(path);\n },\n\n UpdateExpression(path, state) {\n state.constantViolations.push(path);\n
},\n\n UnaryExpression(path, state) {\n if (path.node.operator === "delete") {\n
state.constantViolations.push(path);\n }\n },\n\n BlockScoped(path) {\n
let scope = path.scope;\n if (scope.path === path) scope = scope.parent;\n const parent =
scope.getBlockParent();\n parent.registerDeclaration(path);\n if (path.isClassDeclaration() && path.node.id)
{\n const id = path.node.id;\n const name = id.name;\n path.scope.bindings[name] =
path.scope.parent.getBinding(name);\n }\n },\n\n Block(path) {\n const paths = path.get("body");\n for
(const bodyPath of paths) {\n if (bodyPath.isFunctionDeclaration()) {\n
path.scope.getBlockParent().registerDeclaration(bodyPath);\n }\n }\n },\n\n CatchClause(path) {\n
path.scope.registerBinding("let", path);\n },\n\n Function(path) {\n if (path.isFunctionExpression() &&
path.has("id") && !path.get("id").node[t.NOT_LOCAL_BINDING]) {\n path.scope.registerBinding("local",
path.get("id"), path);\n }\n const params = path.get("params");\n for (const param of params) {\n
path.scope.registerBinding("param",
param);\n }\n },\n\n ClassExpression(path) {\n if (path.has("id") &&
!path.get("id").node[t.NOT_LOCAL_BINDING]) {\n path.scope.registerBinding("local", path);\n }\n
}\n\n};\n\nlet uid = 0;\n\nclass Scope {\n constructor(path) {\n const {\n node\n } = path;\n const cached =
_cache.scope.get(node);\n if ((cached == null ? void 0 : cached.path) === path) {\n return cached;\n }\n

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_cache.scope.set(node, this);\n\n this.uid = uid++;\n this.block = node;\n this.path = path;\n this.labels = new
Map();\n this.inited = false;\n }\n\n get parent() {\n const parent = this.path.findParent(p => p.isScope());\n
return parent == null ? void 0 : parent.scope;\n }\n\n get parentBlock() {\n return this.path.parent;\n }\n\n get
hub() {\n return this.path.hub;\n }\n\n traverse(node, opts, state) {\n (0, _index.default)(node, opts, this, state,
this.path);\n }\n\n generateDeclaredUidIdentifier(name) {\n
const id = this.generateUidIdentifier(name);\n this.push({\n id\n });\n return t.cloneNode(id);\n }\n\n
generateUidIdentifier(name) {\n return t.identifier(this.generateUid(name));\n }\n\n generateUid(name =
\'temp\') {\n name = t.toIdentifier(name).replace(/^_+/, \'\'').replace(/[0-9]+$/g, \'\'');\n let uid;\n let i = 1;\n
do {\n uid = this._generateUid(name, i);\n i++;\n } while (this.hasLabel(uid) || this.hasBinding(uid) ||
this.hasGlobal(uid) || this.hasReference(uid));\n\n const program = this.getProgramParent();\n
program.references[uid] = true;\n program.uids[uid] = true;\n return uid;\n }\n\n _generateUid(name, i) {\n
let id = name;\n if (i > 1) id += i;\n return `_${id}`;\n }\n\n generateUidBasedOnNode(node, defaultName) {\n
const parts = [];\n gatherNodeParts(node, parts);\n let id = parts.join(\'$\');\n id = id.replace(/^_/, \'\'') ||
defaultName || \'ref\';\n return this.generateUid(id.slice(0,
20));\n }\n\n generateUidIdentifierBasedOnNode(node, defaultName) {\n return
t.identifier(this.generateUidBasedOnNode(node, defaultName));\n }\n\n isStatic(node) {\n if
(t.isThisExpression(node) || t.isSuper(node)) {\n return true;\n }\n\n if (t.isIdentifier(node)) {\n const
binding = this.getBinding(node.name);\n\n if (binding) {\n return binding.constant;\n } else {\n return
this.hasBinding(node.name);\n }\n }\n\n return false;\n }\n\n maybeGenerateMemoised(node, dontPush) {\n
if (this.isStatic(node)) {\n return null;\n } else {\n const id =
this.generateUidIdentifierBasedOnNode(node);\n\n if (!dontPush) {\n this.push({\n id\n });\n
return t.cloneNode(id);\n }\n\n return id;\n }\n }\n\n checkBlockScopedCollisions(local, kind, name, id)
{\n if (kind === \'param\') return;\n if (local.kind === \'local\') return;\n const duplicate = kind ===
\'let\' || local.kind === \'let\' || local.kind === \'const\' || local.kind === \'module\' || local.kind === \'param\' &&
(kind === \'let\' || kind === \'const\');\n\n if (duplicate) {\n throw this.hub.buildError(id, `Duplicate
declaration \'${name}\'`, TypeError);\n }\n }\n\n rename(oldName, newName, block) {\n const binding =
this.getBinding(oldName);\n\n if (binding) {\n newName = newName ||
this.generateUidIdentifier(oldName).name;\n return new _renamer.default(binding, oldName,
newName).rename(block);\n }\n }\n\n _renameFromMap(map, oldName, newName, value) {\n if
(map[oldName]) {\n map[newName] = value;\n map[oldName] = null;\n }\n }\n\n dump() {\n const sep
= \'-\'.repeat(60);\n console.log(sep);\n let scope = this;\n\n do {\n console.log(`#`, scope.block.type);\n\n
for (const name of Object.keys(scope.bindings)) {\n const binding = scope.bindings[name];\n
console.log(`-`, name, {\n
constant: binding.constant,\n references: binding.references,\n violations:
binding.constantViolations.length,\n kind: binding.kind\n });\n }\n } while (scope =
scope.parent);\n\n console.log(sep);\n }\n\n toArray(node, i, allowArrayLike) {\n if (t.isIdentifier(node)) {\n
const binding = this.getBinding(node.name);\n\n if ((binding == null ? void 0 : binding.constant) &&
binding.path.isGenericType(\'Array\')) {\n return node;\n }\n }\n\n if (t.isArrayExpression(node)) {\n
return node;\n }\n\n if (t.isIdentifier(node, {\n name: \'arguments\' \n })) {\n return
t.callExpression(t.memberExpression(t.memberExpression(t.memberExpression(t.identifier(\'Array\'),
t.identifier(\'prototype\')), t.identifier(\'slice\')), t.identifier(\'call\')), [node]);\n }\n\n let helperName;\n const
args = [node];\n\n if (i === true) {\n helperName = \'toConsumableArray\';\n } else if (i)
{\n args.push(t.numericLiteral(i));\n helperName = \'slicedToArray\';\n } else {\n helperName =
\'toArray\';\n }\n\n if (allowArrayLike) {\n args.unshift(this.hub.addHelper(helperName));\n helperName
= \'maybeArrayLike\';\n }\n\n return t.callExpression(this.hub.addHelper(helperName), args);\n }\n\n
hasLabel(name) {\n return !!this.getLabel(name);\n }\n\n getLabel(name) {\n return this.labels.get(name);\n
}\n\n registerLabel(path) {\n this.labels.set(path.node.label.name, path);\n }\n\n registerDeclaration(path) {\n if
(path.isLabeledStatement()) {\n this.registerLabel(path);\n } else if (path.isFunctionDeclaration()) {\n

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this.registerBinding("\hoisted", path.get("\id"), path);\n } else if (path.isVariableDeclaration()) {\n const
declarations = path.get("\declarations");\n\n for (const declar of declarations) {\n
this.registerBinding(path.node.kind, declar);\n } } else if (path.isClassDeclaration())
{\n this.registerBinding("\let", path);\n } else if (path.isImportDeclaration()) {\n const specifiers =
path.get("\specifiers");\n\n for (const specifier of specifiers) {\n this.registerBinding("\module",
specifier);\n } } } else if (path.isExportDeclaration()) {\n const declar = path.get("\declaration");\n\n if
(declar.isClassDeclaration() || declar.isFunctionDeclaration() || declar.isVariableDeclaration()) {\n
this.registerDeclaration(declar);\n } } } else {\n this.registerBinding("\unknown", path);\n } }\n\n
buildUndefinedNode() {\n return t.unaryExpression("\void", t.numericLiteral(0), true);\n }\n\n
registerConstantViolation(path) {\n const ids = path.getBindingIdentifiers();\n\n for (const name of
Object.keys(ids)) {\n const binding = this.getBinding(name);\n if (binding) binding.reassign(path);\n } }\n
}\n\n registerBinding(kind, path, bindingPath = path) {\n
if (!kind) throw new ReferenceError("\no kind");\n\n if (path.isVariableDeclaration()) {\n const
declarators = path.get("\declarations");\n\n for (const declar of declarators) {\n this.registerBinding(kind,
declar);\n } }\n\n return;\n }\n\n const parent = this.getProgramParent();\n const ids =
path.getOuterBindingIdentifiers(true);\n\n for (const name of Object.keys(ids)) {\n parent.references[name] =
true;\n\n for (const id of ids[name]) {\n const local = this.getOwnBinding(name);\n\n if (local) {\n
if (local.identifier === id) continue;\n this.checkBlockScopedCollisions(local, kind, name, id);\n } }\n\n
if (local) {\n this.registerConstantViolation(bindingPath);\n } else {\n this.bindings[name] = new
_binding.default({\n identifier: id,\n scope: this,\n path: bindingPath,\n kind: kind\n
});\n } }\n
}\n }\n }\n\n addGlobal(node) {\n this.globals[node.name] = node;\n }\n\n hasUid(name) {\n let scope =
this;\n\n do {\n if (scope.uids[name]) return true;\n } while (scope = scope.parent);\n\n return false;\n }\n\n
hasGlobal(name) {\n let scope = this;\n\n do {\n if (scope.globals[name]) return true;\n } while (scope =
scope.parent);\n\n return false;\n }\n\n hasReference(name) {\n return
!!this.getProgramParent().references[name];\n }\n\n isPure(node, constantsOnly) {\n if (t.isIdentifier(node)) {\n
const binding = this.getBinding(node.name);\n if (!binding) return false;\n if (constantsOnly) return
binding.constant;\n return true;\n } else if (t.isClass(node)) {\n if (node.superClass &&
!this.isPure(node.superClass, constantsOnly)) {\n return false;\n } }\n\n return this.isPure(node.body,
constantsOnly);\n } else if (t.isClassBody(node)) {\n for (const method of node.body) {\n
if (!this.isPure(method, constantsOnly)) return false;\n } }\n\n return true;\n } else if (t.isBinary(node))
{\n return this.isPure(node.left, constantsOnly) && this.isPure(node.right, constantsOnly);\n } else if
(t.isArrayExpression(node)) {\n for (const elem of node.elements) {\n if (!this.isPure(elem, constantsOnly))
return false;\n } }\n\n return true;\n } else if (t.isObjectExpression(node)) {\n for (const prop of
node.properties) {\n if (!this.isPure(prop, constantsOnly)) return false;\n } }\n\n return true;\n } else if
(t.isMethod(node)) {\n if (node.computed && !this.isPure(node.key, constantsOnly)) return false;\n if
(node.kind === "\get" || node.kind === "\set") return false;\n return true;\n } else if (t.isProperty(node)) {\n
if (node.computed && !this.isPure(node.key, constantsOnly)) return false;\n return this.isPure(node.value,
constantsOnly);\n } else if (t.isUnaryExpression(node))
{\n return this.isPure(node.argument, constantsOnly);\n } else if (t.isTaggedTemplateExpression(node)) {\n
return t.matchesPattern(node.tag, "\String.raw") && !this.hasBinding("\String", true) && this.isPure(node.quasi,
constantsOnly);\n } else if (t.isTemplateLiteral(node)) {\n for (const expression of node.expressions) {\n
if (!this.isPure(expression, constantsOnly)) return false;\n } }\n\n return true;\n } else {\n return
t.isPureish(node);\n } }\n\n setData(key, val) {\n return this.data[key] = val;\n }\n\n getData(key) {\n let
scope = this;\n\n do {\n const data = scope.data[key];\n if (data !== null) return data;\n } while (scope =
scope.parent);\n }\n\n removeData(key) {\n let scope = this;\n\n do {\n const data = scope.data[key];\n if
(data !== null) scope.data[key] = null;\n } while (scope = scope.parent);\n }\n\n init() {\n if (!this.inited) {\n
this.inited

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= true;\n this.crawl();\n }\n }\n\n crawl() {\n const path = this.path;\n this.references =
Object.create(null);\n this.bindings = Object.create(null);\n this.globals = Object.create(null);\n this.uids =
Object.create(null);\n this.data = Object.create(null);\n\n if (path.isFunction()) {\n if
(path.isFunctionExpression() && path.has(\"id\") && !path.get(\"id\").node[t.NOT_LOCAL_BINDING]) {\n
this.registerBinding(\"local\", path.get(\"id\"), path);\n }\n\n const params = path.get(\"params\");\n\n for
(const param of params) {\n this.registerBinding(\"param\", param);\n }\n }\n\n const programParent =
this.getProgramParent();\n if (programParent.crawling) return;\n const state = {\n references: [],\n
constantViolations: [],\n assignments: []\n };\n this.crawling = true;\n path.traverse(collectorVisitor,
state);\n this.crawling = false;\n\n for (const path of state.assignments)
{\n const ids = path.getBindingIdentifiers();\n\n for (const name of Object.keys(ids)) {\n if
(path.scope.getBinding(name)) continue;\n programParent.addGlobal(ids[name]);\n }\n\n path.scope.registerConstantViolation(path);\n }\n\n for (const ref of state.references) {\n const binding =
ref.scope.getBinding(ref.node.name);\n\n if (binding) {\n binding.reference(ref);\n } else {\n
programParent.addGlobal(ref.node);\n }\n }\n\n for (const path of state.constantViolations) {\n
path.scope.registerConstantViolation(path);\n }\n }\n\n push(opts) {\n let path = this.path;\n\n if
(!path.isBlockStatement() && !path.isProgram()) {\n path = this.getBlockParent().path;\n }\n\n if
(path.isSwitchStatement()) {\n path = (this.getFunctionParent() || this.getProgramParent()).path;\n }\n\n if
(path.isLoop() || path.isCatchClause() || path.isFunction()) {\n path.ensureBlock();\n
 path = path.get(\"body\");\n }\n\n const unique = opts.unique;\n const kind = opts.kind || \"var\";\n const
blockHoist = opts._blockHoist == null ? 2 : opts._blockHoist;\n const dataKey =
`declaration:${kind}:${blockHoist}`;\n let declarPath = !unique && path.getData(dataKey);\n\n if (!declarPath)
{\n const declar = t.variableDeclaration(kind, []);\n declar._blockHoist = blockHoist;\n [declarPath] =
path.unshiftContainer(\"body\", [declar]);\n if (!unique) path.setData(dataKey, declarPath);\n }\n\n const
declarator = t.variableDeclarator(opts.id, opts.init);\n declarPath.node.declarations.push(declarator);\n
this.registerBinding(kind, declarPath.get(\"declarations\").pop());\n }\n\n getProgramParent() {\n let scope =
this;\n\n do {\n if (scope.path.isProgram()) {\n return scope;\n }\n } while (scope = scope.parent);\n\n
throw new Error(\"Couldn't find a Program\");\n }\n\n getFunctionParent() {\n
 let scope = this;\n\n do {\n if (scope.path.isFunctionParent()) {\n return scope;\n }\n } while (scope
= scope.parent);\n\n return null;\n }\n\n getBlockParent() {\n let scope = this;\n\n do {\n if
(scope.path.isBlockParent()) {\n return scope;\n }\n } while (scope = scope.parent);\n\n throw new
Error(\"We couldn't find a BlockStatement, For, Switch, Function, Loop or Program...\");\n }\n\n getAllBindings()
{\n const ids = Object.create(null);\n let scope = this;\n\n do {\n for (const key of
Object.keys(scope.bindings)) {\n if (key in ids === false) {\n ids[key] = scope.bindings[key];\n }\n
}\n\n scope = scope.parent;\n } while (scope);\n\n return ids;\n }\n\n getAllBindingsOfKind() {\n const ids
= Object.create(null);\n\n for (const kind of arguments) {\n let scope = this;\n\n do {\n for (const name
of Object.keys(scope.bindings)) {\n const
binding = scope.bindings[name];\n if (binding.kind === kind) ids[name] = binding;\n }\n\n scope =
scope.parent;\n } while (scope);\n }\n\n return ids;\n }\n\n bindingIdentifierEquals(name, node) {\n return
this.getBindingIdentifier(name) === node;\n }\n\n getBinding(name) {\n let scope = this;\n let
previousPath;\n\n do {\n const binding = scope.getOwnBinding(name);\n\n if (binding) {\n var
_previousPath;\n\n if (((_previousPath = previousPath) == null ? void 0 : _previousPath.isPattern()) &&
binding.kind !== \"param\") {} else {\n return binding;\n }\n }\n\n previousPath = scope.path;\n }
while (scope = scope.parent);\n }\n\n getOwnBinding(name) {\n return this.bindings[name];\n }\n\n getBindingIdentifier(name) {\n var _this$getBinding;\n\n return (_this$getBinding = this.getBinding(name)) ==
null ? void 0 : _this$getBinding.identifier;\n }\n\n getOwnBindingIdentifier(name)
{\n const binding = this.bindings[name];\n return binding == null ? void 0 : binding.identifier;\n }\n\n
hasOwnBinding(name) {\n return !!this.getOwnBinding(name);\n }\n\n hasBinding(name, noGlobals) {\n if
(!name) return false;\n if (this.hasOwnBinding(name)) return true;\n if (this.parentHasBinding(name,

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(noGlobals)) return true;\n if (this.hasUid(name)) return true;\n if (!noGlobals && Scope.globals.includes(name))\n return true;\n if (!noGlobals && Scope.contextVariables.includes(name)) return true;\n\nreturn false;\n }\n\nparentHasBinding(name, noGlobals) {\n var _this$parent;\n\nreturn (_this$parent = this.parent) == null ? void 0 : _this$parent.hasBinding(name, noGlobals);\n }\n\nmoveBindingTo(name, scope) {\n const info =\n this.getBinding(name);\n\nif (info) {\n info.scope.removeOwnBinding(name);\n info.scope = scope;\n\nscope.bindings[name] = info;\n }\n}\n\nremoveOwnBinding(name) {\n delete this.bindings[name];\n}\n\nremoveBinding(name) {\n var _this$getBinding2;\n\n(_this$getBinding2 = this.getBinding(name)) ==\nnull ? void 0 : _this$getBinding2.scope.removeOwnBinding(name);\n let scope = this;\n\n do {\n if\n (scope.uids[name]) {\n scope.uids[name] = false;\n } while (scope = scope.parent);\n }\n\n}\n\nnextExports.default = Scope;\nScope.globals = Object.keys(_globals.default.builtin);\nScope.contextVariables\n= [\"arguments\", \"undefined\", \"Infinity\", \"NaN\"];;,\"use strict\";\nObject.defineProperty(exports,\n\"__esModule\", { value: true});\nnextExports.default = void 0;\nclass Binding {\n constructor({ identifier,\n scope,\n path,\n kind}) {\n this.constantViolations = [];\n this.constant = true;\n this.referencePaths = [\n];\n this.referenced = false;\n this.references = 0;\n this.identifier = identifier;\n this.scope = scope;\n this.path = path;\n this.kind = kind;\n this.clearValue();\n }\n\n deoptValue() {\n this.clearValue();\n this.hasDeoptimizedValue = true;\n }\n\n setValue(value) {\n if\n (this.hasDeoptimizedValue)\n return;\n this.hasValue = true;\n this.value = value;\n }\n\n clearValue() {\n this.hasDeoptimizedValue = false;\n this.hasValue = false;\n this.value = null;\n }\n\n reassign(path) {\n this.constant = false;\n\nif (this.constantViolations.indexOf(path) !== -1) {\n return;\n }\n\nthis.constantViolations.push(path);\n }\n\n reference(path) {\n if (this.referencePaths.indexOf(path) !== -1) {\n return;\n }\n\n this.referenced = true;\n this.references++;\n this.referencePaths.push(path);\n }\n\n dereference() {\n this.references--;\n this.referenced = !!this.references;\n }\n\n}\n\nnextExports.default =\nBinding;;,\"use strict\";\nObject.defineProperty(exports,\n\"__esModule\", { value: true});\nnextExports.default = buildMatchMemberExpression;\nvvar matchesPattern = require(\"./matchesPattern\");\nffunction buildMatchMemberExpression(match, allowPartial) {\n const parts = match.split(\".\");\n return member => (0,\n matchesPattern.default)(member, parts, allowPartial); }\n\n,\"use strict\";\nObject.defineProperty(exports,\n\"__esModule\", { value: true});\nnextExports.default = matchesPattern;\nvvar generated = require(\"./generated\");\nffunction matchesPattern(member, match, allowPartial) {\n if (!(0,\n generated.isMemberExpression)(member))\n return false;\n const parts = Array.isArray(match) ? match :\n match.split(\".\");\n const nodes = [];\n let node;\n\nfor (node = member; (0,\n generated.isMemberExpression)(node);\n node = node.object) {\n nodes.push(node.property);\n }\n\nnodes.push(node);\n\nif (nodes.length < parts.length)\n return false;\n\nif (!allowPartial && nodes.length >\nparts.length)\n return false;\n\nfor (let i = 0, j = nodes.length - 1; i < parts.length; i++, j--) {\n const node =\n nodes[j];\n let value;\n\nif ((0, generated.isIdentifier)(node)) {\n value = node.name;\n } else if ((0, generated.isStringLiteral)(node)) {\n value = node.value;\n } else\nif ((0, generated.isThisExpression)(node)) {\n value = `this`;\n } else {\n return false;\n }\n\nif\n(parts[i] !== value)\n return false;\n }\n\nreturn true;\n },,\"use strict\";\nObject.defineProperty(exports,\n\"__esModule\", { value: true});\nnextExports.default = isPlaceholderType;\nvvar definitions = require(\"../definitions\");\nffunction isPlaceholderType(placeholderType, targetType) {\n if (placeholderType ===\ntargetType)\n return true;\n const aliases =_definitions.PLACEHOLDERS_ALIAS[placeholderType];\n\nif (aliases) {\n for (const alias of aliases) {\n if (targetType === alias)\n return true;\n }\n }\n\nreturn\nfalse;\n },,\"use strict\";\nObject.defineProperty(exports,\n\"__esModule\", { value:\ntrue});\nnextExports.PLACEHOLDERS_FLIPPED_ALIAS = exports.PLACEHOLDERS_ALIAS =\nexports.PLACEHOLDERS\n\n= void 0;\nvvar utils = require(\"./utils\");\nconst PLACEHOLDERS = [\"Identifier\", \"StringLiteral\",\n\"Expression\", \"Statement\", \"Declaration\", \"BlockStatement\", \"ClassBody\",\n\"Pattern\"];\nnextExports.PLACEHOLDERS = PLACEHOLDERS;\nconst PLACEHOLDERS_ALIAS = {\n Declaration: [\"Statement\"],\n Pattern: [\"PatternLike\", \"LVal\"]};\nnextExports.PLACEHOLDERS_ALIAS =
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PLACEHOLDERS_ALIAS;\n\nfor (const type of PLACEHOLDERS) {\n const alias =
_utils.ALIAS_KEYS[type];\n if (alias != null && alias.length) PLACEHOLDERS_ALIAS[type] =
alias;\n}\n\nconst PLACEHOLDERS_FLIPPED_ALIAS = {};\nexports.PLACEHOLDERS_FLIPPED_ALIAS =
PLACEHOLDERS_FLIPPED_ALIAS;\nObject.keys(PLACEHOLDERS_ALIAS).forEach(type => {\n
PLACEHOLDERS_ALIAS[type].forEach(alias => {\n if
(!Object.hasOwnProperty.call(PLACEHOLDERS_FLIPPED_ALIAS, alias)) {\n
PLACEHOLDERS_FLIPPED_ALIAS[alias] = [];\n }\n }\n\nPLACEHOLDERS_FLIPPED_ALIAS[alias].push(type);\n});\n});","use
strict";\n\nObject.defineProperty(exports,
 \"__esModule\", {\n value: true\n});\nexports.default = isNode;\n\nvar _definitions =
require(\"../definitions\");\n\nfunction isNode(node) {\n return !!(node &&
_definitions.VISITOR_KEYS[node.type]);\n}\n","use strict";\n\nObject.defineProperty(exports, \"__esModule\",
{\n value: true\n});\nexports.default = removeTypeDuplicates;\n\nvar _generated =
require(\"../validators/generated\");\n\nfunction getQualified_name(node) {\n return (0,
_generated.isIdentifier)(node) ? node.name :
`$${node.id.name}.${getQualified_name(node.qualification)}`;\n}\n\nfunction removeTypeDuplicates(nodes) {\n
const generics = {};\n const bases = {};\n const typeGroups = [];\n const types = [];\n for (let i = 0; i <
nodes.length; i++) {\n const node = nodes[i];\n if (!node) continue;\n if (types.indexOf(node) >= 0) {\n
continue;\n }\n if ((0, _generated.isAnyTypeAnnotation)(node)) {\n return [node];\n }\n if ((0,
_generated.isFlowBaseAnnotation)(node)) {\n bases[node.type] = node;\n continue;\n }\n if ((0, _generated.isUnionTypeAnnotation)(node)) {\n
if (typeGroups.indexOf(node.types) < 0) {\n nodes = nodes.concat(node.types);\n
typeGroups.push(node.types);\n }\n continue;\n }\n if ((0,
_generated.isGenericTypeAnnotation)(node)) {\n const name = getQualified_name(node.id);\n if
(generics[name]) {\n let existing = generics[name];\n if (existing.typeParameters) {\n if
(node.typeParameters) {\n existing.typeParameters.params =
removeTypeDuplicates(existing.typeParameters.params.concat(node.typeParameters.params));\n }\n }
else {\n existing = node.typeParameters;\n }\n } else {\n generics[name] = node;\n }\n }\n continue;\n }\n types.push(node);\n }\n for (const type of Object.keys(bases)) {\n
types.push(bases[type]);\n }\n for (const name of Object.keys(generics)) {\n
types.push(generics[name]);\n }\n return types;\n}\n","use strict";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\nexports.default = addComments;\n\nfunction addComments(node, type,
comments) {\n if (!comments || !node) return node;\n const key = `${type}Comments`;\n if (node[key]) {\n if
(type === \"leading\") {\n node[key] = comments.concat(node[key]);\n } else {\n node[key] =
node[key].concat(comments);\n }\n } else {\n node[key] = comments;\n }\n return node;\n}\n","use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default =
inheritInnerComments;\n\nvar _inherit = require(\"../utils/inherit\");\n\nfunction inheritInnerComments(child,
parent) {\n (0, _inherit.default)(\"innerComments\", child, parent);\n}\n","use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default =
inheritLeadingComments;\n\nvar _inherit = require(\"../utils/inherit\");\n\nfunction
inheritLeadingComments(child, parent) {\n (0, _inherit.default)(\"leadingComments\", child, parent);\n}\n","use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default =
inheritsComments;\n\nvar _inheritTrailingComments = require(\"../inheritTrailingComments\");\n\nvar
_inheritLeadingComments = require(\"../inheritLeadingComments\");\n\nvar _inheritInnerComments =
require(\"../inheritInnerComments\");\n\nfunction inheritsComments(child, parent) {\n (0,
_inheritTrailingComments.default)(child, parent);\n (0, _inheritLeadingComments.default)(child, parent);\n (0,
_inheritInnerComments.default)(child, parent);\n return child;\n}\n","use strict";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\nexports.default = inheritTrailingComments;\n\nvar _inherit =

```

```

require("../utils/inherit");\n\nfunction inheritTrailingComments(child, parent) {\n (0,\n _inherit.default)("trailingComments",\n child, parent);\n}\n","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:\n true\n});\n\nexports.default = toBlock;\n\nvar _generated = require("../validators/generated");\n\nvar _generated2 =\n require("../builders/generated");\n\nfunction toBlock(node, parent) {\n if ((0, _generated.isBlockStatement)(node))\n {\n return node;\n }\n\n let blockNodes = [];\n\n if ((0, _generated.isEmptyStatement)(node)) {\n blockNodes\n = [];\n } else {\n if (!(0, _generated.isStatement)(node)) {\n if ((0, _generated.isFunction)(parent)) {\n node = (0, _generated2.returnStatement)(node);\n } else {\n node = (0,\n _generated2.expressionStatement)(node);\n }\n\n blockNodes = [node];\n }\n\n return (0,\n _generated2.blockStatement)(blockNodes);\n }\n}\n","use strict";\n\nObject.defineProperty(exports, "__esModule",\n{\n value: true\n});\n\nexports.default = toIdentifier;\n\nvar _isValidIdentifier =\n require("../validators/isValidIdentifier");\n\nvar\n _helperValidatorIdentifier = require("@babel/helper-validator-identifier");\n\nfunction toIdentifier(input) {\n input = input + "\\n";\n let name = "";\n\n for (const c of input) {\n name += (0,\n _helperValidatorIdentifier.isIdentifierChar)(c.codePointAt(0)) ? c : "-";\n }\n\n name = name.replace(/^[0-9]+/,\\n\n "");\n name = name.replace(/[-\\s]+(.)?/g, function (match, c) {\n return c ? c.toUpperCase() : "\\n";\n });\n\n if\n (!(0, _isValidIdentifier.default)(name)) {\n name = `_${name}`;\n }\n\n return name || "\\n_";\n}\n","use\nstrict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default =\n removePropertiesDeep;\n\nvar _traverseFast = require("../traverse/traverseFast");\n\nvar _removeProperties =\n require("../removeProperties");\n\nfunction removePropertiesDeep(tree, opts) {\n (0, _traverseFast.default)(tree,\n _removeProperties.default, opts);\n return tree;\n}\n","use strict";\n\nObject.defineProperty(exports,\n "__esModule", {\n value: true\n });\n\nexports.default = traverseFast;\n\nvar _definitions =\n require("../definitions");\n\nfunction traverseFast(node, enter, opts) {\n if (!node) return;\n const keys =\n _definitions.VISITOR_KEYS[node.type];\n if (!keys) return;\n opts = opts || {};\n enter(node, opts);\n for\n (const key of keys) {\n const subNode = node[key];\n\n if (Array.isArray(subNode)) {\n for (const node of\n subNode) {\n traverseFast(node, enter, opts);\n }\n } else {\n traverseFast(subNode, enter, opts);\n }\n }\n}\n","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default =\n removeProperties;\n\nvar _constants = require("../constants");\n\nconst CLEAR_KEYS = ["tokens", "start",\n "end", "loc", "raw", "rawValue"];\n\nconst CLEAR_KEYS_PLUS_COMMENTS =\n _constants.COMMENT_KEYS.concat(["comments"]).concat(CLEAR_KEYS);\n\nfunction\n removeProperties(node, opts = {}) {\n const map = opts.preserveComments\n ? CLEAR_KEYS : CLEAR_KEYS_PLUS_COMMENTS;\n\n for (const key of map) {\n if (node[key] != null)\n node[key] = undefined;\n }\n\n for (const key of Object.keys(node)) {\n if (key[0] === "_" && node[key] !=\n null) node[key] = undefined;\n }\n\n const symbols = Object.getOwnPropertySymbols(node);\n\n for (const sym\n of symbols) {\n node[sym] = null;\n }\n }\n}\n","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = isLet;\n\nvar _generated = require("../generated");\n\nvar _constants =\n require("../constants");\n\nfunction isLet(node) {\n return (0, _generated.isVariableDeclaration)(node) &&\n (node.kind !== "var" || node[_constants.BLOCK_SCOPED_SYMBOL]);\n}\n","/* -*- Mode: js; js-indent-level: 2; -\n*- */\n\n * Copyright 2011 Mozilla Foundation and contributors\n * Licensed under the New BSD license. See\n LICENSE or:\n * http://opensource.org/licenses/BSD-3-Clause\n\n *^\n\n var base64VLQ = require('./base64-\n vlq');\n\n var\n util = require('./util');\n\n var ArraySet = require('./array-set').ArraySet;\n var MappingList = require('./mapping-\n list').MappingList;\n\n /**\n * An instance of the SourceMapGenerator represents a source map which is\n * being\n * built incrementally. You may pass an object with the following\n * properties:\n *\n * - file: The filename of the generated source.\n *\n * - sourceRoot: A root for all relative URLs in this source map.\n */\n\n function\n SourceMapGenerator(aArgs) {\n if (!aArgs) {\n aArgs = {};\n }\n\n this._file = util.getArg(aArgs, 'file', null);\n this._sourceRoot = util.getArg(aArgs, 'sourceRoot', null);\n this._skipValidation = util.getArg(aArgs,\n 'skipValidation', false);\n this._sources = new ArraySet();\n this._names = new ArraySet();\n this._mappings =

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*/\nSourceMapGenerator.prototype.applySourceMap =\n function
SourceMapGenerator_applySourceMap(aSourceMapConsumer, aSourceFile, aSourceMapPath) {\n var sourceFile
= aSourceFile;\n // If aSourceFile is omitted, we will use the file property of the SourceMap\n
 if (aSourceFile == null) {\n if (aSourceMapConsumer.file == null) {\n throw new Error(\n
'SourceMapGenerator.prototype.applySourceMap requires either an explicit source file, ' +\n 'or the source
map\\'s \"file\" property. Both were omitted.\n);\n }\n sourceFile = aSourceMapConsumer.file;\n }\n
var sourceRoot = this._sourceRoot;\n // Make \"sourceFile\" relative if an absolute Url is passed.\n if
(sourceRoot != null) {\n sourceFile = util.relative(sourceRoot, sourceFile);\n }\n // Applying the SourceMap
can add and remove items from the sources and\n // the names array.\n var newSources = new ArraySet();\n
var newNames = new ArraySet();\n // Find mappings for the \"sourceFile\"\n\n
this._mappings.unsortedForEach(function (mapping) {\n if (mapping.source === sourceFile &&
mapping.originalLine != null) {\n // Check if it can be mapped by the source map, then update the mapping.\n
 var original = aSourceMapConsumer.originalPositionFor({\n line: mapping.originalLine,\n column:
mapping.originalColumn\n });\n if (original.source != null) {\n // Copy mapping\n
mapping.source = original.source;\n if (aSourceMapPath != null) {\n mapping.source =
util.join(aSourceMapPath, mapping.source);\n }\n if (sourceRoot != null) {\n mapping.source =
util.relative(sourceRoot, mapping.source);\n }\n mapping.originalLine = original.line;\n
mapping.originalColumn = original.column;\n if (original.name != null) {\n mapping.name =
original.name;\n }\n }\n }\n }\n var source = mapping.source;\n if (source != null &&
!newSources.has(source)) {\n newSources.add(source);\n }\n var name = mapping.name;\n if (name
!= null && !newNames.has(name)) {\n newNames.add(name);\n }\n },
 this);\n this._sources = newSources;\n this._names = newNames;\n // Copy sourcesContents of applied
map.\n aSourceMapConsumer.sources.forEach(function (sourceFile) {\n var content =
aSourceMapConsumer.sourceContentFor(sourceFile);\n if (content != null) {\n if (aSourceMapPath != null)
{\n sourceFile = util.join(aSourceMapPath, sourceFile);\n }\n if (sourceRoot != null) {\n
sourceFile = util.relative(sourceRoot, sourceFile);\n }\n this.setSourceContent(sourceFile, content);\n
 }\n }, this);\n });\n\n /**\n * A mapping can have one of the three levels of data:\n * 1. Just the generated
position.\n * 2. The Generated position, original position, and original source.\n * 3. Generated and original
position, original source, as well as a name\n * token.\n * To maintain consistency, we validate that any new
mapping being added falls\n * in to one of these categories.\n */\n SourceMapGenerator.prototype._validateMapping
=\n function SourceMapGenerator_validateMapping(aGenerated, aOriginal, aSource,\n aName) {\n // When aOriginal is truthy but has empty values for .line and .column,\n // it is most likely a
programmer error. In this case we throw a very\n // specific error message to try to guide them the right way.\n //
For example: https://github.com/Polymer/polymer-bundler/pull/519\n if (aOriginal && typeof aOriginal.line !==
'number' && typeof aOriginal.column !== 'number') {\n throw new Error(\n 'original.line and
original.column are not numbers -- you probably meant to omit ' +\n 'the original mapping entirely and only
map the generated position. If so, pass ' +\n 'null for the original mapping instead of an object with empty or
null values.\n);\n }\n if (aGenerated && 'line' in aGenerated && 'column' in aGenerated\n && aGenerated.line > 0 && aGenerated.column
>= 0\n && !aOriginal && !aSource && !aName) {\n // Case 1.\n return;\n }\n else if (aGenerated
&& 'line' in aGenerated && 'column' in aGenerated\n && aOriginal && 'line' in aOriginal && 'column' in
aOriginal\n && aGenerated.line > 0 && aGenerated.column >= 0\n && aOriginal.line > 0 &&
aOriginal.column >= 0\n && aSource) {\n // Cases 2 and 3.\n return;\n }\n else {\n throw new
Error('Invalid mapping: ' + JSON.stringify({\n generated: aGenerated,\n source: aSource,\n original:
aOriginal,\n name: aName\n }));\n }\n });\n\n /**\n * Serialize the accumulated mappings in to the stream
of base 64 VLQs\n * specified by the source map format.\n */\n SourceMapGenerator.prototype._serializeMappings
=\n function SourceMapGenerator_serializeMappings() {\n var previousGeneratedColumn = 0;\n var
previousGeneratedLine = 1;\n var previousOriginalColumn

```

```

= 0;\n var previousOriginalLine = 0;\n var previousName = 0;\n var previousSource = 0;\n var result = ";\n
var next;\n var mapping;\n var nameIdx;\n var sourceIdx;\n\n var mappings = this._mappings.toArray();\n
for (var i = 0, len = mappings.length; i < len; i++) {\n mapping = mappings[i];\n next = "\n\n if
(mapping.generatedLine !== previousGeneratedLine) {\n previousGeneratedColumn = 0;\n while
(mapping.generatedLine !== previousGeneratedLine) {\n next += ';\n previousGeneratedLine++;\n
}\n }\n else {\n if (i > 0) {\n if (!util.compareByGeneratedPositionsInflated(mapping, mappings[i -
1])) {\n continue;\n }\n next += ';\n }\n }\n\n next +=
base64VLQ.encode(mapping.generatedColumn\n - previousGeneratedColumn);\n
previousGeneratedColumn = mapping.generatedColumn;\n\n if (mapping.source
!= null) {\n sourceIdx = this._sources.indexOf(mapping.source);\n next += base64VLQ.encode(sourceIdx -
previousSource);\n previousSource = sourceIdx;\n\n // lines are stored 0-based in SourceMap spec version
3\n next += base64VLQ.encode(mapping.originalLine - 1\n - previousOriginalLine);\n
previousOriginalLine = mapping.originalLine - 1;\n\n next += base64VLQ.encode(mapping.originalColumn\n
 - previousOriginalColumn);\n previousOriginalColumn = mapping.originalColumn;\n\n
if (mapping.name != null) {\n nameIdx = this._names.indexOf(mapping.name);\n next +=
base64VLQ.encode(nameIdx - previousName);\n previousName = nameIdx;\n }\n }\n\n result +=
next;\n }\n\n return result;\n };\n\nSourceMapGenerator.prototype._generateSourcesContent =\n function
SourceMapGenerator._generateSourcesContent(aSources, aSourceRoot)
{\n return aSources.map(function (source) {\n if (!this._sourcesContents) {\n return null;\n }\n if
(aSourceRoot != null) {\n source = util.relative(aSourceRoot, source);\n }\n var key =
util.toSetString(source);\n return Object.prototype.hasOwnProperty.call(this._sourcesContents, key)\n ?
this._sourcesContents[key]\n : null;\n }, this);\n };\n\n/**\n * Externalize the source map.\n
*\nSourceMapGenerator.prototype.toJSON =\n function SourceMapGenerator_toJSON() {\n var map = {\n
version: this._version,\n sources: this._sources.toArray(),\n names: this._names.toArray(),\n mappings:
this._serializeMappings()\n };\n if (this._file != null) {\n map.file = this._file;\n }\n if (this._sourceRoot
!= null) {\n map.sourceRoot = this._sourceRoot;\n }\n if (this._sourcesContents) {\n map.sourcesContent
= this._generateSourcesContent(map.sources, map.sourceRoot);\n }\n\n
return map;\n };\n\n/**\n * Render the source map being generated to a string.\n
*\nSourceMapGenerator.prototype.toString =\n function SourceMapGenerator_toString() {\n return
JSON.stringify(this.toJSON());\n };\n\nexports.SourceMapGenerator = SourceMapGenerator;\n", "/* -*- Mode: js;
js-indent-level: 2; -*- */\n\n * Copyright 2011 Mozilla Foundation and contributors\n * Licensed under the New
BSD license. See LICENSE or:\n * http://opensource.org/licenses/BSD-3-Clause\n\n * Based on the Base 64 VLQ
implementation in Closure Compiler:\n * https://code.google.com/p/closure-
compiler/source/browse/trunk/src/com/google/debugging/sourcemap/Base64VLQ.java\n\n * Copyright 2011 The
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CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,\n * SPECIAL, EXEMPLARY,
OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT\n * LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,\n * DATA, OR

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```

var base64 = require('./base64');

A single base 64 digit can contain 6 bits of data. For the base 64 variable length quantities we use in the source map spec, the first bit is the sign, the next four bits are the actual value, and the 6th bit is the continuation bit. The continuation bit tells us whether there are more digits in this value following this digit.

Continuation | Sign |
V V 101011
var VLQ_BASE_SHIFT = 5;
var VLQ_BASE = 1 << VLQ_BASE_SHIFT;
var VLQ_BASE_MASK = VLQ_BASE - 1;
var VLQ_CONTINUATION_BIT = VLQ_BASE;

* Converts from a two-complement value to a value where the sign bit is placed in the least significant bit. For example, as decimals: 1 becomes 2 (10 binary), -1 becomes 3 (11 binary) 2 becomes 4 (100 binary), -2 becomes 5 (101 binary)

function toVLQSigned(aValue) {
 return aValue < 0 ? ((-aValue) << 1) + 1 : (aValue << 1) + 0;
}

* Converts to a two-complement value from a value where the sign bit is placed in the least significant bit. For example, as decimals: 2 (10 binary) becomes 1, 3 (11 binary) becomes -1 4 (100 binary) becomes 2, 5 (101 binary) becomes -2

function fromVLQSigned(aValue) {
 var isNegative = (aValue & 1) === 1;
 var shifted = aValue >> 1;
 return isNegative ? -shifted : shifted;
}

* Returns the base 64 VLQ encoded value.
exports.encode = function base64VLQ_encode(aValue) {
 var encoded = '';
 var vlq = toVLQSigned(aValue);
 do {
 var digit = vlq & VLQ_BASE_MASK;
 vlq >>= VLQ_BASE_SHIFT;
 if (vlq > 0) {
 // There are still more digits in this value, so we must make sure the continuation bit is marked.
 digit |= VLQ_CONTINUATION_BIT;
 }
 encoded += base64.encode(digit);
 } while (vlq > 0);
 return encoded;
}

* Decodes the next base 64 VLQ value from the given string and returns the value and the rest of the string via the out parameter.
exports.decode = function base64VLQ_decode(aStr, aIndex, aOutParam) {
 var strLen = aStr.length;
 var result = 0;
 var shift = 0;
 var continuation, digit;
 do {
 if (aIndex >= strLen) {
 throw new Error("Expected more digits in base 64 VLQ value.");
 }
 digit = base64.decode(aStr.charCodeAt(aIndex++));
 if (digit === -1) {
 throw new Error("Invalid base64 digit: '" + aStr.charAt(aIndex - 1) + "'");
 }
 continuation = !(digit & VLQ_CONTINUATION_BIT);
 digit &= VLQ_BASE_MASK;
 result = result + (digit << shift);
 shift += VLQ_BASE_SHIFT;
 } while (continuation);
 aOutParam.value = fromVLQSigned(result);
 aOutParam.rest = aIndex;
}

/* -*- Mode: js; js-indent-level: 2; -*- */
/* Copyright 2011 Mozilla Foundation and contributors
 * Licensed under the New BSD license. See LICENSE or
 * http://opensource.org/licenses/BSD-3-Clause
 */
var util = require('./util');
var has = Object.prototype.hasOwnProperty;
var hasNativeMap = typeof Map !== 'undefined';

A data structure which is a combination of an array and a set. Adding a new member is O(1), testing for membership is O(1), and finding the index of an element is O(1). Removing elements from the set is not supported. Only strings are supported for membership.

function ArraySet() {
 this._array = [];
 this._set = hasNativeMap ? new Map() : Object.create(null);
}

* Static method for creating ArraySet instances from an existing array.
ArraySet.fromArray = function ArraySet_fromArray(aArray, aAllowDuplicates) {
 var set = new ArraySet();
 for (var i = 0, len = aArray.length; i < len; i++) {
 set.add(aArray[i], aAllowDuplicates);
 }
 return set;
}

* Return how many unique items are in this ArraySet. If duplicates have been added, than those do not count towards the size.
@returns Number
ArraySet.prototype.size = function ArraySet_size() {
 return hasNativeMap ? this._set.size : Object.getOwnPropertyNames(this._set).length;
}

* Add the given string to this set.
@param String aStr
ArraySet.prototype.add = function ArraySet_add(aStr, aAllowDuplicates) {
 var sStr = hasNativeMap ? aStr : util.toSetString(aStr);
 var isDuplicate = hasNativeMap ? this.has(aStr) : has.call(this._set, sStr);
 var idx = this._array.length;
 if (!isDuplicate || aAllowDuplicates) {
 this._array.push(aStr);
 }
 if (!isDuplicate) {
 if (hasNativeMap) {
 this._set.set(aStr, idx);
 }
 }
}

```



```
else {
 this._set[sStr] = idx;
}
}
};
\n\n/**
 * Is the given string a member of this set?
 */
@param String aStr
String aStr
ArraySet.prototype.has = function(aStr) {
 if (hasNativeMap) {
 return this._set.has(aStr);
 } else {
 var sStr = util.toSetString(aStr);
 return has.call(this._set, sStr);
 }
};
\n\n/**
 * What is the index of the given string in the array?
 */
@param String aStr
ArraySet.prototype.indexOf = function(aStr) {
 if (hasNativeMap) {
 var idx = this._set.get(aStr);
 if (idx >= 0) {
 return idx;
 } else {
 var sStr = util.toSetString(aStr);
 if (has.call(this._set, sStr)) {
 return this._set[sStr];
 }
 }
 }
 throw new Error("'" + aStr + "' is not in the set.");
};
\n\n/**
 * What is the element at the given index?
 */
@param Number aIdx
ArraySet.prototype.at = function(aIdx) {
 if (aIdx >= 0 && aIdx < this._array.length) {
 return this._array[aIdx];
 }
 throw new Error('No element indexed by ' + aIdx);
};
\n\n/**
 * Returns the array representation of this set (which has the proper indices indicated by indexOf). Note that this is a copy of the internal array used for storing the members so that no one can mess with internal state.
 */
ArraySet.prototype.toArray = function() {
 return this._array.slice();
};
\n\nexports.ArraySet = ArraySet;
\n\n"use strict";
\n\nObject.defineProperty(exports, '__esModule', {
 value: true
});
\n\nexports.needsWhitespace = needsWhitespace;
\n\nexports.needsWhitespaceBefore = needsWhitespaceBefore;
\n\nexports.needsWhitespaceAfter = needsWhitespaceAfter;
\n\nexports.needsParens = needsParens;
\n\nvar whitespace = _interopRequireWildcard(require("./whitespace"));
\n\nvar parens = _interopRequireWildcard(require("./parentheses"));
\n\nvar t = _interopRequireWildcard(require("@babel/types"));
\n\nfunction _getRequireWildcardCache() {
 if (typeof WeakMap !== "function") {
 return null;
 }
 var cache = new WeakMap();
 _getRequireWildcardCache = function () {
 return cache;
 };
 return cache;
};
\n\nfunction _interopRequireWildcard(obj) {
 if (obj && obj.__esModule) {
 return obj;
 }
 if (obj === null || typeof obj !== "object" && typeof obj !== "function") {
 return { default: obj };
 }
 var cache = _getRequireWildcardCache();
 if (cache && cache.has(obj)) {
 return cache.get(obj);
 }
 var newObj = {};
 var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;
 for (var key in obj) {
 if (Object.prototype.hasOwnProperty.call(obj, key)) {
 var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;
 if (desc && (desc.get || desc.set)) {
 Object.defineProperty(newObj, key, desc);
 } else {
 newObj[key] = obj[key];
 }
 }
 }
 newObj.default = obj;
 if (cache) {
 cache.set(obj, newObj);
 }
 return newObj;
};
\n\nfunction expandAliases(obj) {
 const newObj = {};
\n function add(type, func) {
 const fn = newObj[type];
 newObj[type] = fn ? function (node, parent, stack) {
 const result = fn(node, parent, stack);
 return result == null ? func(node, parent, stack) : result;
 } : func;
 }
\n for (const type of Object.keys(obj)) {
 const aliases = t.FLIPPED_ALIAS_KEYS[type];
 if (aliases) {
 for (const alias of aliases) {
 add(alias, obj[type]);
 }
 } else {
 add(type, obj[type]);
 }
 }
\n return newObj;
};
\n\nconst expandedParens = expandAliases(parens);
\n\nconst expandedWhitespaceNodes = expandAliases(whitespace.nodes);
\n\nconst expandedWhitespaceList = expandAliases(whitespace.list);
\n\nfunction find(obj, node, parent, printStack) {
 const fn = obj[node.type];
 return fn ? fn(node, parent, printStack) : null;
};
\n\nfunction isOrHasCallExpression(node) {
 if (t.isCallExpression(node)) {
 return true;
 }
 return t.isMemberExpression(node) && isOrHasCallExpression(node.object);
};
\n\nfunction needsWhitespace(node, parent, type) {
 if (!node) {
 return 0;
 }
 if (t.isExpressionStatement(node)) {
 node = node.expression;
 }
\n let linesInfo = find(expandedWhitespaceNodes, node, parent);
\n if (!linesInfo) {
 const items = find(expandedWhitespaceList, node, parent);
 if (items) {
 for (let i = 0; i < items.length; i++) {
 linesInfo = needsWhitespace(items[i], node, type);
 if (linesInfo) {
 break;
 }
 }
 }
 if (typeof linesInfo === "object" && linesInfo !== null) {
 return linesInfo[type] || 0;
 }
 return 0;
 }
\n function needsWhitespaceBefore(node, parent) {
 return needsWhitespace(node, parent, "before");
 }
\n function needsWhitespaceAfter(node, parent) {
 return needsWhitespace(node, parent, "after");
 }
\n function needsParens(node, parent, printStack) {
 if (!parent) {
 return false;
 }
 if (t.isNewExpression(parent) && parent.callee === node) {
 if (isOrHasCallExpression(node)) {
 return true;
 }
 return find(expandedParens,
```

```

node, parent, printStack);\n}", "\nuse strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:
true\n});\nexports.ImportSpecifier = ImportSpecifier;\nexports.ImportDefaultSpecifier =
ImportDefaultSpecifier;\nexports.ExportDefaultSpecifier = ExportDefaultSpecifier;\nexports.ExportSpecifier =
ExportSpecifier;\nexports.ExportNamespaceSpecifier = ExportNamespaceSpecifier;\nexports.ExportAllDeclaration
= ExportAllDeclaration;\nexports.ExportNamedDeclaration =
ExportNamedDeclaration;\nexports.ExportDefaultDeclaration =
ExportDefaultDeclaration;\nexports.ImportDeclaration = ImportDeclaration;\nexports.ImportAttribute =
ImportAttribute;\nexports.ImportNamespaceSpecifier = ImportNamespaceSpecifier;\n\n\nvar t =
_interopRequireWildcard(require("@babel/types"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction ImportSpecifier(node) {\n if (node.importKind === "type"
|| node.importKind === "typeof") {\n this.word(node.importKind);\n this.space();\n }\n\n
this.print(node.imported, node);\n\n if (node.local && node.local.name !== node.imported.name)
{\n this.space();\n this.word("as");\n this.space();\n this.print(node.local, node);\n }\n}\n\nfunction
ImportDefaultSpecifier(node) {\n this.print(node.local, node);\n}\n\nfunction ExportDefaultSpecifier(node) {\n
this.print(node.exported, node);\n}\n\nfunction ExportSpecifier(node) {\n this.print(node.local, node);\n\n if
(node.exported && node.local.name !== node.exported.name) {\n this.space();\n this.word("as");\n
this.space();\n this.print(node.exported, node);\n }\n}\n\nfunction ExportNamespaceSpecifier(node) {\n
this.token("*");\n this.space();\n this.word("as");\n this.space();\n this.print(node.exported,
node);\n}\n\nfunction ExportAllDeclaration(node) {\n this.word("export");\n this.space();\n\n if
(node.exportKind === "type") {\n this.word("type");\n this.space();\n }\n\n this.token("*");\n
this.space();\n this.word("from");\n this.space();\n this.print(node.source, node);\n this.printAssertions(node);\n
this.semicolon();\n}\n\nfunction ExportNamedDeclaration(node) {\n if (this.format.decoratorsBeforeExport &&
t.isClassDeclaration(node.declaration)) {\n this.printJoin(node.declaration.decorators, node);\n }\n\n
this.word("export");\n this.space();\n ExportDeclaration.apply(this, arguments);\n}\n\nfunction
ExportDefaultDeclaration(node) {\n if (this.format.decoratorsBeforeExport &&
t.isClassDeclaration(node.declaration)) {\n this.printJoin(node.declaration.decorators, node);\n }\n\n
this.word("export");\n this.space();\n this.word("default");\n this.space();\n ExportDeclaration.apply(this,
arguments);\n}\n\nfunction ExportDeclaration(node) {\n if (node.declaration) {\n const declar =
node.declaration;\n this.print(declar, node);\n if (!t.isStatement(declar)) this.semicolon();\n } else {\n if
(node.exportKind === "type") {\n this.word("type");\n this.space();\n }\n\n const specifiers =
node.specifiers.slice(0);\n let hasSpecial
= false;\n\n for (;;) {\n const first = specifiers[0];\n\n if (t.isExportDefaultSpecifier(first) ||
t.isExportNamespaceSpecifier(first)) {\n hasSpecial = true;\n this.print(specifiers.shift(), node);\n\n if
(specifiers.length) {\n this.token(",");\n this.space();\n }\n } else {\n break;\n }\n }\n\n
if (specifiers.length || !specifiers.length && !hasSpecial) {\n this.token("{");\n\n if (specifiers.length) {\n
this.space();\n this.printList(specifiers, node);\n this.space();\n }\n\n this.token("}");\n }\n\n if
(node.source) {\n this.space();\n this.word("from");\n this.space();\n this.print(node.source, node);\n
this.printAssertions(node);\n }\n\n this.semicolon();\n }\n}\n\nfunction ImportDeclaration(node) {\n var
_node$attributes;\n\n this.word("import");\n this.space();\n\n if (node.importKind === "type"

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 || node.importKind === \"typeof\") {\n this.word(node.importKind);\n this.space();\n }\n\n const specifiers =
node.specifiers.slice(0);\n\n if (specifiers == null ? void 0 : specifiers.length) {\n for (;) {\n const first =
specifiers[0];\n\n if (t.isImportDefaultSpecifier(first) || t.isImportNamespaceSpecifier(first)) {\n
this.print(specifiers.shift(), node);\n\n if (specifiers.length) {\n this.token(\"\\\", \");\n this.space();\n
}\n } else {\n break;\n }\n }\n\n if (specifiers.length) {\n this.token(\"{\");\n this.space();\n
this.printList(specifiers, node);\n this.space();\n this.token(\"}\");\n }\n\n this.space();\n
this.word(\"from\");\n this.space();\n }\n\n this.print(node.source, node);\n this.printAssertions(node);\n\n if
((_node$attributes = node.attributes) == null ? void 0 : _node$attributes.length) {\n this.space();\n
this.word(\"with\");\n this.space();\n
 this.printList(node.attributes, node);\n }\n\n this.semicolon();\n }\n\n\nfunction ImportAttribute(node) {\n
this.print(node.key);\n this.token(\"\\\": \");\n this.space();\n this.print(node.value);\n }\n\n\nfunction
ImportNamespaceSpecifier(node) {\n this.token(\"* \");\n this.space();\n this.word(\"as\");\n this.space();\n
this.print(node.local, node);\n }, \"use strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\n exports.Identifier = Identifier;\n exports.ArgumentPlaceholder =
ArgumentPlaceholder;\n exports.SpreadElement = exports.RestElement = RestElement;\n exports.ObjectPattern =
exports.ObjectExpression = ObjectExpression;\n exports.ObjectMethod = ObjectMethod;\n exports.ObjectProperty =
ObjectProperty;\n exports.ArrayPattern = exports.ArrayExpression = ArrayExpression;\n exports.RecordExpression =
RecordExpression;\n exports.TupleExpression = TupleExpression;\n exports.RegExpLiteral =
RegExpLiteral;\n exports.BooleanLiteral = BooleanLiteral;\n exports.NullLiteral
= NullLiteral;\n exports.NumericLiteral = NumericLiteral;\n exports.StringLiteral =
StringLiteral;\n exports.BigIntLiteral = BigIntLiteral;\n exports.DecimalLiteral =
DecimalLiteral;\n exports.PipelineTopicExpression = PipelineTopicExpression;\n exports.PipelineBareFunction =
PipelineBareFunction;\n exports.PipelinePrimaryTopicReference = PipelinePrimaryTopicReference;\n\n nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\n nvar _jsesc =
_interopRequireDefault(require(\"jsesc\"));\n\n nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\n nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\n nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache
= _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\n nfunction Identifier(node) {\n this.exactSource(node.loc, () => {\n
this.word(node.name);\n });\n }\n\n nfunction ArgumentPlaceholder() {\n this.token(\"?\");\n }\n\n nfunction
RestElement(node) {\n this.token(\"... \");\n this.print(node.argument, node);\n }\n\n nfunction
ObjectExpression(node) {\n const props = node.properties;\n this.token(\"{\");\n
this.printInnerComments(node);\n\n if (props.length) {\n this.space();\n this.printList(props,
node, {\n indent: true,\n statement: true\n });\n this.space();\n }\n\n this.token(\"}\");\n }\n\n nfunction
ObjectMethod(node) {\n this.printJoin(node.decorators, node);\n\n this._methodHead(node);\n\n this.space();\n
this.print(node.body, node);\n }\n\n nfunction ObjectProperty(node) {\n this.printJoin(node.decorators, node);\n\n if
(node.computed) {\n this.token(\"[\");\n this.print(node.key, node);\n this.token(\"]\");\n } else {\n if
(t.isAssignmentPattern(node.value) && t.isIdentifier(node.key) && node.key.name === node.value.left.name) {\n
this.print(node.value, node);\n return;\n }\n\n this.print(node.key, node);\n\n if (node.shorthand &&
t.isIdentifier(node.key) && t.isIdentifier(node.value) && node.key.name === node.value.name) {\n return;\n
}\n }\n\n this.token(\"\\\": \");\n this.space();\n this.print(node.value, node);\n }\n\n nfunction ArrayExpression(node)
{\n const elems = node.elements;\n const len = elems.length;\n

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 this.token("\n");\n this.printInnerComments(node);\n\n for (let i = 0; i < elems.length; i++) {\n const elem =
elems[i];\n\n if (elem) {\n if (i > 0) this.space();\n this.print(elem, node);\n if (i < len - 1)
this.token("\n");\n } else {\n this.token("\n");\n }\n}\n\n this.token("\n");\n\n\nfunction
RecordExpression(node) {\n const props = node.properties;\n let startToken;\n let endToken;\n\n if
(this.format.recordAndTupleSyntaxType === "bar") {\n startToken = "{";\n endToken = "}";\n } else if
(this.format.recordAndTupleSyntaxType === "hash") {\n startToken = "#{";\n endToken = "}";\n } else {\n
throw new Error(`The "recordAndTupleSyntaxType" generator option must be "bar" or "hash"
(${JSON.stringify(this.format.recordAndTupleSyntaxType)} received).`);\n }\n\n this.token(startToken);\n
this.printInnerComments(node);\n\n if (props.length) {\n this.space();\n this.printList(props,
node, {\n indent: true,\n statement: true\n });\n this.space();\n }\n\n
this.token(endToken);\n\n\nfunction TupleExpression(node) {\n const elems = node.elements;\n const len =
elems.length;\n let startToken;\n let endToken;\n\n if (this.format.recordAndTupleSyntaxType === "bar") {\n
startToken = "[";\n endToken = "];\n } else if (this.format.recordAndTupleSyntaxType === "hash") {\n
startToken = "#[";\n endToken = "];\n } else {\n throw new
Error(`${this.format.recordAndTupleSyntaxType} is not a valid recordAndTuple syntax type`);\n }\n\n
this.token(startToken);\n this.printInnerComments(node);\n\n for (let i = 0; i < elems.length; i++) {\n const elem
= elems[i];\n\n if (elem) {\n if (i > 0) this.space();\n this.print(elem, node);\n if (i < len - 1)
this.token("\n");\n }\n }\n\n this.token(endToken);\n\n\nfunction RegExpLiteral(node) {\n
this.word(`${node.pattern}/${node.flags}`);\n\n\nfunction
BooleanLiteral(node) {\n this.word(node.value ? "true" : "false");\n\n\nfunction NullLiteral() {\n
this.word("null");\n\n\nfunction NumericLiteral(node) {\n const raw = this.getPossibleRaw(node);\n const opts
= this.format.jsescOption;\n const value = node.value + "";\n\n if (opts.numbers) {\n this.number((0,
_jsesc.default)(node.value, opts));\n } else if (raw == null) {\n this.number(value);\n } else if
(this.format.minified) {\n this.number(raw.length < value.length ? raw : value);\n } else {\n this.number(raw);\n
}\n}\n\nfunction StringLiteral(node) {\n const raw = this.getPossibleRaw(node);\n\n if (!this.format.minified &&
raw != null) {\n this.token(raw);\n return;\n }\n\n const opts = this.format.jsescOption;\n\n if
(this.format.jsonCompatibleStrings) {\n opts.json = true;\n }\n\n const val = (0, _jsesc.default)(node.value,
opts);\n return this.token(val);\n\n\nfunction BigIntLiteral(node) {\n const raw = this.getPossibleRaw(node);\n\n
if (!this.format.minified && raw != null) {\n this.token(raw);\n return;\n }\n\n this.token(node.value +
"\n");\n\n\nfunction DecimalLiteral(node) {\n const raw = this.getPossibleRaw(node);\n\n if
(!this.format.minified && raw != null) {\n this.token(raw);\n return;\n }\n\n this.token(node.value +
"\n");\n\n\nfunction PipelineTopicExpression(node) {\n this.print(node.expression, node);\n\n\nfunction
PipelineBareFunction(node) {\n this.print(node.callee, node);\n\n\nfunction PipelinePrimaryTopicReference() {\n
this.token("\n");\n }\n\n "use strict";\n\n Object.defineProperty(exports, "__esModule", {\n value:
true\n});\n\n exports.codeFrameColumns = codeFrameColumns;\n exports.default = _default;\n\n nvar _highlight =
_interopRequireWildcard(require("@babel/highlight")); \n\n function _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return
cache; }\n\n function _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null ||
typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\n let deprecationWarningShown = false;\n\n function getDefs(chalk)
{\n return {\n gutter: chalk.grey,\n marker: chalk.red.bold,\n message: chalk.red.bold\n };}\n\n const
NEWLINE = /\r\n|[\n\r\u2028\u2029]/;\n\n function getMarkerLines(loc,

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source, opts) {\n const startLoc = Object.assign({\n column: 0,\n line: -1\n }, loc.start);\n const endLoc = Object.assign({}, startLoc, loc.end);\n const {\n linesAbove = 2,\n linesBelow = 3\n } = opts || {};\n const startLine = startLoc.line;\n const startColumn = startLoc.column;\n const endLine = endLoc.line;\n const endColumn = endLoc.column;\n let start = Math.max(startLine - (linesAbove + 1), 0);\n let end = Math.min(source.length, endLine + linesBelow);\n\n if (startLine === -1) {\n start = 0;\n }\n if (endLine === -1) {\n end = source.length;\n }\n\n const lineDiff = endLine - startLine;\n const markerLines = {};\n\n if (lineDiff) {\n for (let i = 0; i <= lineDiff; i++) {\n const lineNumber = i + startLine;\n\n if (!startColumn) {\n markerLines[lineNumber] = true;\n } else if (i === 0) {\n const sourceLength = source[lineNumber - 1].length;\n markerLines[lineNumber] = [startColumn, sourceLength - startColumn + 1];\n } else if (i === lineDiff) {\n markerLines[lineNumber] = [0, endColumn];\n } else {\n const sourceLength = source[lineNumber - i].length;\n markerLines[lineNumber] = [0, sourceLength];\n }\n }\n } else {\n if (startColumn === endColumn) {\n if (startColumn) {\n markerLines[startLine] = [startColumn, 0];\n } else {\n markerLines[startLine] = true;\n }\n } else {\n markerLines[startLine] = [startColumn, endColumn - startColumn];\n }\n }\n\n return {\n start,\n end,\n markerLines\n };\n}\n\nfunction codeFrameColumns(rawLines, loc, opts = {}) {\n const highlighted = (opts.highlightCode || opts.forceColor) && (0, _highlight.shouldHighlight)(opts);\n const chalk = (0, _highlight.getChalk)(opts);\n const defs = getDefs(chalk);\n const maybeHighlight = (chalkFn, string) => {\n return highlighted ? chalkFn(string) : string;\n };\n\n const lines = rawLines.split(NEWLINE);\n const {\n start,\n end,\n markerLines\n } = getMarkerLines(loc, lines, opts);\n const hasColumns = loc.start && typeof loc.start.column === "number";\n const numberMaxWidth = String(end).length;\n const highlightedLines = highlighted ? (0, _highlight.default)(rawLines, opts) : rawLines;\n let frame = highlightedLines.split(NEWLINE).slice(start, end).map((line, index) => {\n const number = start + 1 + index;\n const paddedNumber = `${number}`.slice(-numberMaxWidth);\n const gutter = `${paddedNumber} |`;\n const hasMarker = markerLines[number];\n const lastMarkerLine = !markerLines[number + 1];\n\n if (hasMarker) {\n let markerLine = "";\n\n if (Array.isArray(hasMarker)) {\n const markerSpacing = line.slice(0, Math.max(hasMarker[0] - 1, 0)).replace(/\\s/g, " ");\n const numberOfMarkers = hasMarker[1] || 1;\n markerLine = [`${line}`, maybeHighlight(defs.gutter, gutter.replace(/\\s/g, " ")), `${line}`, markerSpacing, maybeHighlight(defs.marker, "^\n").repeat(numberOfMarkers)].join("\n");\n } else if (lastMarkerLine && opts.message) {\n markerLine += `${line}` + maybeHighlight(defs.message, opts.message);\n }\n }\n\n return [maybeHighlight(defs.marker, ">"), maybeHighlight(defs.gutter, gutter), line.length > 0 ? `${line}` : "", markerLine].join("\n");\n }) else {\n return `${maybeHighlight(defs.gutter, gutter)}${line.length > 0 ? `${line}` : ""}`;\n });\n\n if (opts.message && !hasColumns) {\n frame = `${line}`.repeat(numberMaxWidth + 1) + `${opts.message}\n${frame}`;\n }\n\n if (highlighted) {\n return chalk.reset(frame);\n } else {\n return frame;\n }\n}\n\nfunction _default(rawLines, lineNumber, colNumber, opts = {}) {\n if (!deprecationWarningShown) {\n deprecationWarningShown = true;\n const message = "Passing lineNumber and colNumber is deprecated to @babel/code-frame. Please use `codeFrameColumns`.";\n\n if (process.emitWarning) {\n process.emitWarning(message, "DeprecationWarning");\n } else {\n const deprecationError = new Error(message);\n deprecationError.name = "DeprecationWarning";\n console.warn(new Error(message));\n }\n }\n\n colNumber = Math.max(colNumber, 0);\n const location = {\n start: {\n column: colNumber,\n line: lineNumber\n }\n };\n return codeFrameColumns(rawLines, location, opts);\n}\n\n/* MIT license */\nvar cssKeywords = require('color-name');\n\n// NOTE: conversions should only return primitive values (i.e. arrays, or\n// values that give correct `typeof` results).\n// do not use box values types (i.e. Number(), String(), etc.)\nvar reverseKeywords = {};\nfor (var key in cssKeywords) {\n if (cssKeywords.hasOwnProperty(key)) {\n reverseKeywords[cssKeywords[key]] = key;\n }\n}\n\nvar convert = module.exports = {\n rgb: { channels: 3, labels: 'rgb' },\n hsl: { channels: 3, labels: 'hsl' },\n hsv: { channels: 3, labels: 'hsv' },\n hwb: { channels: 3, labels: 'hwb' },\n cmyk: { channels: 4, labels: 'cmyk' },\n xyz: { channels: 3, labels: 'xyz' },\n lab: { channels: 3, labels: 'lab' },\n lch: { channels: 3, labels: 'lch' },\n thex: { channels: 1, labels: 'hex' },\n keyword: { channels: 1, labels: ['keyword'] },\n ansi16: { channels: 1, labels:

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function (hsl) {\n\tvar h = hsl[0] / 360;\n\tvar s = hsl[1] / 100;\n\tvar l = hsl[2] / 100;\n\tvar t1;\n\tvar t2;\n\tvar t3;\n\tvar rgb;\n\tvar val;\n\n\tif (s === 0) {\n\t\tval = l * 255;\n\t\treturn [val, val, val];\n\t}\n\n\tif (l < 0.5) {\n\t\tt2 = l * (1 + s);\n\t}\n\telse {\n\t\tt2 = l + s - l * s;\n\t}\n\tt1 = 2 * l - t2;\n\ttrgb = [0, 0, 0];\n\tfor (var i = 0; i < 3; i++) {\n\t\tt3 = h +\n\n\t\t1 / 3 * -(i - 1);\n\t\tif (t3 < 0) {\n\t\t\tt3++;\n\t\t}\n\t\tif (t3 > 1) {\n\t\t\tt3--;\n\t\t}\n\t\tif (6 * t3 < 1) {\n\t\t\tval = t1 + (t2 - t1) * 6 * t3;\n\t\t}\n\t\telse if (2 * t3 < 1) {\n\t\t\tval = t2;\n\t\t}\n\t\telse if (3 * t3 < 2) {\n\t\t\tval = t1 + (t2 - t1) * (2 / 3 - t3) * 6;\n\t\t}\n\t\telse {\n\t\t\tval = t1;\n\t\t}\n\t\ttrgb[i] = val * 255;\n\t}\n\treturn rgb;\n};\n\nconvert.hsl.hsv = function (hsl) {\n\tvar h = hsl[0];\n\tvar s = hsl[1] / 100;\n\tvar l = hsl[2] / 100;\n\tvar smax = s;\n\tvar lmin = Math.max(l, 0.01);\n\tvar sv;\n\tvar v;\n\n\tl *= 2;\n\tstmax = (l <= 1) ? l : 2 - l;\n\tstmin = lmin <= 1 ? lmin : 2 - lmin;\n\tv = (l + s) / 2;\n\tstv = l === 0 ? (2 * smax) / (lmin + smax) : (2 * s) / (l + s);\n\treturn [h, sv * 100, v * 100];\n};\n\nconvert.hsv.rgb = function (hsv) {\n\tvar h = hsv[0] / 60;\n\tvar s = hsv[1] / 100;\n\tvar v = hsv[2] / 100;\n\tvar hi = Math.floor(h) % 6;\n\tvar f = h - Math.floor(h);\n\tvar p = 255 * v * (1 - s);\n\tvar q = 255 * v * (1 - (s * f));\n\tvar t = 255 * v * (1 - (s * (1 - f))); \n\n\tswitch (hi) {\n\t\tcase 0:\n\t\t\treturn [v, t, p];\n\t\tcase 1:\n\t\t\treturn [q, v, p];\n\t\tcase 2:\n\t\t\treturn [p, v, t];\n\t\tcase 3:\n\t\t\treturn [p, q, v];\n\t\tcase 4:\n\t\t\treturn [t, p, v];\n\t\tcase 5:\n\t\t\treturn [v, p, q];\n\t}\n};\n\nconvert.hsv.hsl = function (hsv) {\n\tvar h = hsv[0];\n\tvar s = hsv[1] / 100;\n\tvar v = hsv[2] / 100;\n\tvar vmin = Math.max(v, 0.01);\n\tvar lmin;\n\tvar sl;\n\tvar l;\n\n\tl = (2 - s) * v;\n\tlmin = (2 - s) * vmin;\n\tstl = s * vmin;\n\tstl /= (lmin <= 1) ? lmin : 2 - lmin;\n\tstl = stl || 0;\n\tl /= 2;\n\treturn [h, sl * 100, l * 100];\n};\n\n// http://dev.w3.org/csswg/css-color/#hwb-to-rgb\nconvert.hwb.rgb = function (hwb) {\n\tvar h = hwb[0] / 360;\n\tvar wh = hwb[1] / 100;\n\tvar bl = hwb[2] / 100;\n\tvar ratio = wh + bl;\n\tvar i;\n\tvar v;\n\tvar f;\n\tvar n;\n\n\t// wh + bl cant be > 1\n\tif (ratio > 1) {\n\t\twh /= ratio;\n\t\tbl /= ratio;\n\t}\n\n\ti = Math.floor(6 * h);\n\tv = 1 - bl;\n\tf = 6 * h - i;\n\n\tif ((i & 0x01) !== 0) {\n\t\tf = 1 - f;\n\t}\n\n\ttn = wh + f * (v - wh); // linear interpolation\n\tvar r;\n\tvar g;\n\tvar b;\n\n\tswitch (i) {\n\t\tdefault:\n\t\t\tcase 6:\n\t\t\tcase 0: r = v; g = n; b = wh; break;\n\t\tcase 1: r = n; g = v; b = wh; break;\n\t\tcase 2: r = wh; g = v; b = n; break;\n\t\tcase 3: r = wh; g = n; b = v; break;\n\t\tcase 4: r = n; g = wh; b = v; break;\n\t\tcase 5: r = v; g = wh; b = n; break;\n\t}\n\n\treturn [r * 255, g * 255, b * 255];\n};\n\nconvert.cmyk.rgb = function (cmyk) {\n\tvar c = cmyk[0] / 100;\n\tvar m = cmyk[1] / 100;\n\tvar y = cmyk[2] / 100;\n\tvar k = cmyk[3] / 100;\n\tvar r;\n\tvar g;\n\tvar b;\n\n\ttr = 1 - Math.min(1, c * (1 - k) + k);\n\ttg = 1 - Math.min(1, m * (1 - k) + k);\n\ttb = 1 - Math.min(1, y * (1 - k) + k);\n\treturn [r * 255, g * 255, b * 255];\n};\n\nconvert.xyz.rgb = function (xyz) {\n\tvar x = xyz[0] / 100;\n\tvar y = xyz[1] / 100;\n\tvar z = xyz[2] / 100;\n\tvar r;\n\tvar g;\n\tvar b;\n\n\ttr = (x * 3.2406) + (y * -1.5372) + (z * -0.4986);\n\ttg = (x * -0.9689) + (y * 1.8758) + (z * 0.0415);\n\ttb = (x * 0.0557) + (y * -0.2040) + (z * 1.0570);\n\n\t// assume sRGB\n\ttr = r > 0.0031308 ? ((1.055 * Math.pow(r, 1.0 / 2.4)) - 0.055) : r * 12.92;\n\ttg = g > 0.0031308 ? ((1.055 * Math.pow(g, 1.0 / 2.4)) - 0.055) : g * 12.92;\n\ttb = b > 0.0031308 ? ((1.055 * Math.pow(b, 1.0 / 2.4)) - 0.055) : b * 12.92;\n\n\ttr = Math.min(Math.max(0, tr), 1);\n\ttg = Math.min(Math.max(0, tg), 1);\n\ttb = Math.min(Math.max(0, tb), 1);\n\treturn [r * 255, g * 255, b * 255];\n};\n\nconvert.xyz.lab = function (xyz) {\n\tvar x = xyz[0];\n\tvar y = xyz[1];\n\tvar z = xyz[2];\n\tvar l;\n\tvar a;\n\tvar b;\n\n\ttx /= 95.047;\n\ty /= 100;\n\ttz /= 108.883;\n\ttx = x > 0.008856 ? Math.pow(x, 1 / 3) : (7.787 * x) + (16 / 116);\n\ty = y > 0.008856 ? Math.pow(y, 1 / 3) : (7.787 * y) + (16 / 116);\n\tz = z > 0.008856 ? Math.pow(z, 1 / 3) : (7.787 * z) + (16 / 116);\n\n\tl = (116 * y) - 16;\n\ta = 500 * (x - y);\n\tb = 200 * (y - z);\n\treturn [l, a, b];\n};\n\nconvert.lab.xyz = function (lab) {\n\tvar l = lab[0];\n\tvar a = lab[1];\n\tvar b = lab[2];\n\tvar x;\n\tvar y;\n\tvar z;\n\n\ty = (l + 16) / 116;\n\ttx = a / 500 + y;\n\ttz = y - b / 200;\n\n\ty2 = Math.pow(y, 3);\n\tx2 = Math.pow(x, 3);\n\tz2 = Math.pow(z, 3);\n\n\ty = y2 > 0.008856 ? y2 : (y - 16 / 116) / 7.787;\n\ttx = x2 > 0.008856 ? x2 : (x - 16 / 116) / 7.787;\n\tz = z2 > 0.008856 ? z2 : (z - 16 / 116) / 7.787;\n\n\ttx *= 95.047;\n\ty *= 100;\n\tz *= 108.883;\n\treturn [x, y, z];\n};\n\nconvert.lab.lch = function (lab) {\n\tvar l = lab[0];\n\tvar a = lab[1];\n\tvar b = lab[2];\n\tvar hr;\n\tvar h;\n\tvar c;\n\tvar thr = Math.atan2(b, a);\n\tth = hr * 360 / 2 / Math.PI;\n\n\tif (h < 0) {\n\t\tth += 360;\n\t}\n\n\ttc = Math.sqrt(a * a + b * b);\n\treturn [l, c, h];\n};\n\nconvert.lch.lab = function (lch) {\n\tvar l = lch[0];\n\tvar c = lch[1];\n\tvar h = lch[2];\n\tvar a;\n\tvar b;\n\n\tthr = h * PI / 2 * 2 / 360;\n\ta = c * Math.cos(thr);\n\tb = c * Math.sin(thr);\n\treturn [l, a, b];\n};
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lch[1];\n\tvar h = lch[2];\n\tvar a;\n\tvar b;\n\tvar
hr;\n\tvar thr = h / 360 * 2 * Math.PI;\n\tvar ta = c * Math.cos(hr);\n\tvar tb = c * Math.sin(hr);\n\treturn [l, a,
b];\n};\n\nconvert.rgb.ansi16 = function (args) {\n\tvar r = args[0];\n\tvar g = args[1];\n\tvar b = args[2];\n\tvar
value = 1 in arguments ? arguments[1] : convert.rgb.hsv(args)[2]; // hsv -> ansi16 optimization\n\tvalue =
Math.round(value / 50);\n\tif (value === 0) {\n\t\treturn 30;\n\t}\n\tvar ansi = 30\n\t\t+ ((Math.round(b / 255) <<
2)\n\t\t(Math.round(g / 255) << 1)\n\t\tMath.round(r / 255));\n\tif (value === 2) {\n\t\tansi +=
60;\n\t}\n\treturn ansi;\n};\n\nconvert.hsv.ansi16 = function (args) {\n\t// optimization here; we already know the
value and don't need to get\n\t// it converted for us.\n\treturn convert.rgb.ansi16(convert.hsv.rgb(args),
args[2]);\n};\n\nconvert.rgb.ansi256 = function (args) {\n\tvar r = args[0];\n\tvar g = args[1];\n\tvar b =
args[2];\n\t// we use the extended greyscale palette here, with the exception of\n\t// black and white. normal
palette only has 4 greyscale shades.\n\tif (r === g && g === b) {\n\t\tif (r < 8) {\n\t\t\treturn 16;\n\t\t}\n\t\tif (r >
248) {\n\t\t\treturn 231;\n\t\t}\n\t\treturn Math.round(((r - 8) / 247) * 24) + 232;\n\t}\n\tvar ansi = 16\n\t\t+ (36 *
Math.round(r / 255 * 5))\n\t\t+ (6 * Math.round(g / 255 * 5))\n\t\t+ Math.round(b / 255 * 5);\n\treturn
ansi;\n};\n\nconvert.ansi16.rgb = function (args) {\n\tvar color = args % 10;\n\t// handle greyscale\n\tif (color ===
0 || color === 7) {\n\t\tif (args > 50) {\n\t\t\tcolor += 3.5;\n\t\t}\n\t\tcolor = color / 10.5 * 255;\n\t\treturn [color,
color, color];\n\t}\n\tvar mult = (~(args > 50) + 1) * 0.5;\n\tvar r = ((color & 1) * mult) * 255;\n\tvar g = (((color
>> 1) & 1) * mult) * 255;\n\tvar b = (((color >> 2) & 1) * mult) * 255;\n\treturn [r, g,
b];\n};\n\nconvert.ansi256.rgb = function (args) {\n\t// handle greyscale\n\tif (args >= 232) {\n\t\tvar c = (args - 232)
* 10 + 8;\n\t\treturn [c, c, c];\n\t}\n\tvar targs -= 16;\n\tvar
rem;\n\tvar r = Math.floor(args / 36) / 5 * 255;\n\tvar g = Math.floor((rem = args % 36) / 6) / 5 * 255;\n\tvar b =
(rem % 6) / 5 * 255;\n\treturn [r, g, b];\n};\n\nconvert.rgb.hex = function (args) {\n\tvar integer =
((Math.round(args[0]) & 0xFF) << 16)\n\t\t+ ((Math.round(args[1]) & 0xFF) << 8)\n\t\t+ (Math.round(args[2]) &
0xFF);\n\tvar string = integer.toString(16).toUpperCase();\n\treturn '000000'.substring(string.length) +
string;\n};\n\nconvert.hex.rgb = function (args) {\n\tvar match = args.toString(16).match(/[a-f0-9]{6}/[a-f0-
9]{3}/i);\n\tif (!match) {\n\t\treturn [0, 0, 0];\n\t}\n\tvar colorString = match[0];\n\tif (match[0].length === 3)
{\n\t\tcolorString = colorString.split('').map(function (char) {\n\t\t\treturn char + char;\n\t\t}).join('');\n\t}\n\tvar
integer = parseInt(colorString, 16);\n\tvar r = (integer >> 16) & 0xFF;\n\tvar g = (integer >> 8) & 0xFF;\n\tvar b =
integer & 0xFF;\n\treturn [r, g, b];\n};\n\nconvert.rgb.hcg = function (rgb) {\n\tvar
r = rgb[0] / 255;\n\tvar g = rgb[1] / 255;\n\tvar b = rgb[2] / 255;\n\tvar max = Math.max(Math.max(r, g), b);\n\tvar
min = Math.min(Math.min(r, g), b);\n\tvar chroma = (max - min);\n\tvar grayscale;\n\tvar hue;\n\tif (chroma < 1)
{\n\t\tgrayscale = min / (1 - chroma);\n\t} else {\n\t\tgrayscale = 0;\n\t}\n\tif (chroma <= 0) {\n\t\t hue = 0;\n\t}
else\n\tif (max === r) {\n\t\t hue = ((g - b) / chroma) % 6;\n\t} else\n\tif (max === g) {\n\t\t hue = 2 + (b - r) /
chroma;\n\t} else {\n\t\t hue = 4 + (r - g) / chroma + 4;\n\t}\n\t hue /= 6;\n\t hue %= 1;\n\treturn [hue * 360,
chroma * 100, grayscale * 100];\n};\n\nconvert.hsl.hcg = function (hsl) {\n\tvar s = hsl[1] / 100;\n\tvar l = hsl[2] /
100;\n\tvar c = 1;\n\tvar f = 0;\n\tif (l < 0.5) {\n\t\ttc = 2.0 * s * l;\n\t} else {\n\t\ttc = 2.0 * s * (1.0 - l);\n\t}\n\tif (c
< 1.0) {\n\t\ttf = (l - 0.5 * c) / (1.0 - c);\n\t}\n\treturn [hsl[0], c * 100, f * 100];\n};\n\nconvert.hsv.hcg = function
(hsv) {\n\tvar s = hsv[1] / 100;\n\tvar v =
hsv[2] / 100;\n\tvar c = s * v;\n\tvar f = 0;\n\tif (c < 1.0) {\n\t\ttf = (v - c) / (1 - c);\n\t}\n\treturn [hsv[0], c *
100, f * 100];\n};\n\nconvert.hcg.rgb = function (hcg) {\n\tvar h = hcg[0] / 360;\n\tvar c = hcg[1] / 100;\n\tvar g =
hcg[2] / 100;\n\tif (c === 0.0) {\n\t\treturn [g * 255, g * 255, g * 255];\n\t}\n\tvar pure = [0, 0, 0];\n\tvar hi = (h
% 1) * 6;\n\tvar v = hi % 1;\n\tvar w = 1 - v;\n\tvar mg = 0;\n\tswitch (Math.floor(hi)) {\n\t\tcase 0:\n\t\t\tpure[0] =
1; pure[1] = v; pure[2] = 0; break;\n\t\tcase 1:\n\t\t\tpure[0] = w; pure[1] = 1; pure[2] = 0; break;\n\t\tcase
2:\n\t\t\tpure[0] = 0; pure[1] = 1; pure[2] = v; break;\n\t\tcase 3:\n\t\t\tpure[0] = 0; pure[1] = w; pure[2] = 1;
break;\n\t\tcase 4:\n\t\t\tpure[0] = v; pure[1] = 0; pure[2] = 1; break;\n\t\tdefault:\n\t\t\tpure[0] = 1; pure[1] = 0;
pure[2] = w;\n\t}\n\tvar tmg = (1.0 - c) * g;\n\treturn [\n\t\t(c * pure[0] + mg) * 255,\n\t\t(c * pure[1] + mg) *
255,\n\t\t(c * pure[2] + mg) * 255\n\t];\n};\n\nconvert.hcg.hsv =
function (hcg) {\n\tvar c = hcg[1] / 100;\n\tvar g = hcg[2] / 100;\n\tvar v = c + g * (1.0 - c);\n\tvar f = 0;\n\tif
(v > 0.0) {\n\t\ttf = c / v;\n\t}\n\treturn [hcg[0], f * 100, v * 100];\n};\n\nconvert.hcg.hsl = function (hcg) {\n\tvar c

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= hcg[1] / 100;\n\tvar g = hcg[2] / 100;\n\n\tvar l = g * (1.0 - c) + 0.5 * c;\n\tvar s = 0;\n\n\tif (l > 0.0 && l < 0.5)
{\n\t\tts = c / (2 * l);\n\t} else\n\tif (l >= 0.5 && l < 1.0) {\n\t\tts = c / (2 * (1 - l));\n\t}\n\n\treturn [hcg[0], s * 100, l *
100];\n};\n\nconvert.hcg.hwb = function (hcg) {\n\tvar c = hcg[1] / 100;\n\tvar g = hcg[2] / 100;\n\tvar v = c + g *
(1.0 - c);\n\treturn [hcg[0], (v - c) * 100, (1 - v) * 100];\n};\n\nconvert.hwb.hcg = function (hwb) {\n\tvar w =
hwb[1] / 100;\n\tvar b = hwb[2] / 100;\n\tvar v = 1 - b;\n\tvar c = v - w;\n\tvar g = 0;\n\n\tif (c < 1) {\n\t\ttg = (v - c) /
(1 - c);\n\t}\n\n\treturn [hwb[0], c * 100, g * 100];\n};\n\nconvert.apple.rgb = function (apple) {\n\treturn [(apple[0]
/ 65535)
* 255, (apple[1] / 65535) * 255, (apple[2] / 65535) * 255];\n};\n\nconvert.rgb.apple = function (rgb) {\n\treturn
[(rgb[0] / 255) * 65535, (rgb[1] / 255) * 65535, (rgb[2] / 255) * 65535];\n};\n\nconvert.gray.rgb = function (args)
{\n\treturn [args[0] / 100 * 255, args[0] / 100 * 255, args[0] / 100 * 255];\n};\n\nconvert.gray.hsl = convert.gray.hsv
= function (args) {\n\treturn [0, 0, args[0]]; \n};\n\nconvert.gray.hwb = function (gray) {\n\treturn [0, 100,
gray[0]]; \n};\n\nconvert.gray.cmyk = function (gray) {\n\treturn [0, 0, 0, gray[0]]; \n};\n\nconvert.gray.lab =
function (gray) {\n\treturn [gray[0], 0, 0]; \n};\n\nconvert.gray.hex = function (gray) {\n\tvar val =
Math.round(gray[0] / 100 * 255) & 0xFF;\n\tvar integer = (val << 16) + (val << 8) + val;\n\n\tvar string =
integer.toString(16).toUpperCase();\n\treturn '000000'.substring(string.length) + string;\n};\n\nconvert.rgb.gray =
function (rgb) {\n\tvar val = (rgb[0] + rgb[1] + rgb[2]) / 3;\n\treturn [val / 255 * 100];\n};\n\n","use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default =
parseAndBuildMetadata;\n\nvar t = _interopRequireWildcard(require("@babel/types")); \n\nvar _parser =
require("@babel/parser"); \n\nvar _codeFrame = require("@babel/code-frame"); \n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap();
_getRequireWildcardCache = function () { return cache; }; return cache; }\n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj,
key) : null; if (desc && (desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] =
obj[key]; } } } newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }\n\nconst PATTERN =
/^[_$_A-Z0-9]+$/;\n\nfunction parseAndBuildMetadata(formatter, code, opts) {\n const {\n
placeholderWhitelist,\n placeholderPattern,\n preserveComments,\n syntacticPlaceholders\n } = opts;\n const
ast = parseWithCodeFrame(code, opts.parser, syntacticPlaceholders);\n t.removePropertiesDeep(ast, {\n
preserveComments\n });\n formatter.validate(ast);\n const syntactic = {\n placeholders: [],\n
placeholderNames: new Set()\n }; \n const legacy = {\n placeholders: [],\n placeholderNames: new Set()\n }; \n
const isLegacyRef = {\n value: undefined\n }; \n t.traverse(ast, placeholderVisitorHandler, {\n syntactic,\n
legacy,\n isLegacyRef,\n placeholderWhitelist,\n placeholderPattern,\n syntacticPlaceholders\n
}); \n return Object.assign({\n ast\n }, isLegacyRef.value ? legacy : syntactic);\n}\n\nfunction
placeholderVisitorHandler(node, ancestors, state) {\n var _state$placeholderWhi;\n\n let name;\n\n if
(t.isPlaceholder(node)) {\n if (state.syntacticPlaceholders === false) {\n throw new Error("`%%foo%%`-style
placeholders can't be used when `" + `".syntacticPlaceholders` is false.`");\n } else {\n name =
node.name.name;\n state.isLegacyRef.value = false;\n }\n } else if (state.isLegacyRef.value === false ||
state.syntacticPlaceholders) {\n return;\n } else if (t.isIdentifier(node) || t.isJSXIdentifier(node)) {\n name =
node.name;\n state.isLegacyRef.value = true;\n } else if (t.isStringLiteral(node)) {\n name = node.value;\n
state.isLegacyRef.value = true;\n } else {\n return;\n }\n\n if (!state.isLegacyRef.value &&
(state.placeholderPattern !== null || state.placeholderWhitelist !== null)) {\n throw new
Error("`placeholderWhitelist`
and `placeholderPattern` aren't compatible" + `"` with `syntacticPlaceholders: true`");\n }\n\n if
(state.isLegacyRef.value && (state.placeholderPattern === false || !(state.placeholderPattern ||

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PATTERN).test(name)) && !((_state$placeholderWhi = state.placeholderWhitelist) == null ? void 0 :
_state$placeholderWhi.has(name))) {\n return;\n }\n\n ancestors = ancestors.slice();\n const {\n node: parent,\n key\n } = ancestors[ancestors.length - 1];\n let type;\n\n if (t.isStringLiteral(node) || t.isPlaceholder(node, {\n
expectedNode: "StringLiteral"\n }))) {\n type = "string";\n } else if (t.isNewExpression(parent) && key ===
"arguments" || t.isCallExpression(parent) && key === "arguments" || t.isFunction(parent) && key ===
"params") {\n type = "param";\n } else if (t.isExpressionStatement(parent) && !t.isPlaceholder(node)) {\n
type = "statement";\n ancestors = ancestors.slice(0, -1);\n } else if (t.isStatement(node) &&
t.isPlaceholder(node)) {\n type = "statement";\n } else {\n type = "other";\n }\n\n const {\n
placeholders,\n placeholderNames\n } = state.isLegacyRef.value ? state.legacy : state.syntactic;\n
placeholders.push({\n name,\n type,\n resolve: ast => resolveAncestors(ast, ancestors),\n isDuplicate:
placeholderNames.has(name)\n });\n placeholderNames.add(name);\n\n\nfunction resolveAncestors(ast,
ancestors) {\n let parent = ast;\n\n for (let i = 0; i < ancestors.length - 1; i++) {\n const {\n key,\n index\n
} = ancestors[i];\n\n if (index === undefined) {\n parent = parent[key];\n } else {\n parent =
parent[key][index];\n }\n }\n\n const {\n key,\n index\n } = ancestors[ancestors.length - 1];\n return {\n
parent,\n key,\n index\n };}\n\n\nfunction parseWithCodeFrame(code, parserOpts, syntacticPlaceholders) {\n
const plugins = (parserOpts.plugins || []).slice();\n\n if (syntacticPlaceholders !==
false) {\n plugins.push("placeholders");\n }\n\n parserOpts = Object.assign({\n allowReturnOutsideFunction:
true,\n allowSuperOutsideMethod: true,\n sourceType: "module"\n }, parserOpts, {\n plugins\n });\n\n try
{\n return (0, _parser.parse)(code, parserOpts);\n } catch (err) {\n const loc = err.loc;\n\n if (loc) {\n
err.message += "\n\n" + (0, _codeFrame.codeFrameColumns)(code, {\n start: loc\n });\n err.code =
"BABEL_TEMPLATE_PARSE_ERROR";\n throw err;\n }\n}\n\n"use
strict";\n\nObject.defineProperty(exports, "_esModule", {\n value: true\n});\n\nexports.default =
populatePlaceholders;\n\nvar t = _interopRequireWildcard(require("@babel/types"));\n\n\nfunction
_getRequireWildcardCache() {\n if (typeof WeakMap !== "function") return null;\n var cache = new WeakMap();\n
_getRequireWildcardCache = function () {\n return cache;\n }; return cache;\n}\n\nfunction
_interopRequireWildcard(obj) {\n if (obj && obj.__esModule) {\n return
obj;\n } if (obj === null || typeof obj !== "object" && typeof obj !== "function") {\n return {\n default:
obj\n };\n } var cache = _getRequireWildcardCache();\n if (cache && cache.has(obj)) {\n return
cache.get(obj);\n } var newObj = {};\n var hasPropertyDescriptor = Object.defineProperty &&
Object.getOwnPropertyDescriptor;\n for (var key in obj) {\n if
(Object.prototype.hasOwnProperty.call(obj, key)) {\n var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null;\n if (desc && (desc.get || desc.set)) {\n
Object.defineProperty(newObj, key, desc);\n } else {\n newObj[key] = obj[key];\n }\n }\n }
newObj.default = obj;\n if (cache) {\n cache.set(obj, newObj);\n }\n return newObj;\n}\n\n\nfunction
populatePlaceholders(metadata, replacements) {\n const ast
= t.cloneNode(metadata.ast);\n\n if (replacements) {\n metadata.placeholders.forEach(placeholder => {\n if
(!Object.prototype.hasOwnProperty.call(replacements, placeholder.name)) {\n const placeholderName =
placeholder.name;\n throw
new Error(`Error: No substitution given for "${placeholderName}". If this is not meant to be a\n
placeholder you may want to consider passing one of the following options to @babel/template:\n
placeholderPattern: false, placeholderWhitelist: new Set(["${placeholderName}"])\n
placeholderPattern:
/^${placeholderName}$/`);\n }\n });\n Object.keys(replacements).forEach(key => {\n if
(!metadata.placeholderNames.has(key)) {\n throw new Error(`Unknown substitution "${key}" given`);\n }\n });\n }\n\n metadata.placeholders.slice().reverse().forEach(placeholder => {\n try {\n
applyReplacement(placeholder, ast, replacements && replacements[placeholder.name] || null);\n } catch (e) {\n
e.message = `@babel/template placeholder "${placeholder.name}": ${e.message}`;\n throw e;\n }\n });\n
return ast;\n}\n\n\nfunction applyReplacement(placeholder, ast, replacement) {\n if (placeholder.isDuplicate)
{\n if (Array.isArray(replacement)) {\n replacement = replacement.map(node => t.cloneNode(node));\n }
else if (typeof replacement === "object") {\n replacement = t.cloneNode(replacement);\n }\n }\n\n const {\n
parent,\n key,\n index\n } = placeholder.resolve(ast);\n\n if (placeholder.type === "string") {\n if (typeof

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replacement === \"string\") {\n replacement = t.stringLiteral(replacement);\n }\n\n if (!replacement ||\n !t.isStringLiteral(replacement)) {\n throw new Error(\"Expected string substitution\");\n }\n} else if\n(placeholder.type === \"statement\") {\n if (index === undefined) {\n if (!replacement) {\n replacement =\n t.emptyStatement();\n } else if (Array.isArray(replacement)) {\n replacement =\n t.blockStatement(replacement);\n } else if (typeof replacement === \"string\") {\n replacement =\n t.expressionStatement(t.identifier(replacement));\n } else if (!t.isStatement(replacement))\n {\n replacement = t.expressionStatement(replacement);\n }\n } else {\n if (replacement &&\n !Array.isArray(replacement)) {\n if (typeof replacement === \"string\") {\n replacement =\n t.identifier(replacement);\n }\n\n if (!t.isStatement(replacement)) {\n replacement =\n t.expressionStatement(replacement);\n }\n }\n } else if (placeholder.type === \"param\") {\n if\n (typeof replacement === \"string\") {\n replacement = t.identifier(replacement);\n }\n\n if (index ===\n undefined) throw new Error(\"Assertion failure.\");\n } else {\n if (typeof replacement === \"string\") {\n replacement = t.identifier(replacement);\n }\n\n if (Array.isArray(replacement)) {\n throw new\n Error(\"Cannot replace single expression with an array.\");\n }\n\n if (index === undefined) {\n t.validate(parent, key, replacement);\n parent[key] = replacement;\n } else {\n const items\n = parent[key].slice();\n\n if (placeholder.type === \"statement\" || placeholder.type === \"param\") {\n if\n (replacement == null) {\n items.splice(index, 1);\n } else if (Array.isArray(replacement)) {\n items.splice(index, 1, ...replacement);\n } else {\n items[index] = replacement;\n }\n } else {\n items[index] = replacement;\n }\n\n t.validate(parent, key, items);\n parent[key] = items;\n }\n },\n \"(function(root, factory) {\n 'use strict';\n // Universal Module Definition (UMD) to support AMD,\n CommonJS/Node.js, Rhino, and browsers.\n\n /* istanbul ignore next */\n if (typeof define === 'function' &&\n define.amd) {\n define('error-stack-parser', ['stackframe'], factory);\n } else if (typeof exports === 'object') {\n module.exports = factory(require('stackframe'));\n } else {\n root.ErrorStackParser =\n factory(root.StackFrame);\n }\n })(this, function ErrorStackParser(StackFrame) {\n 'use\n strict';\n\n var FIREFOX_SAFARI_STACK_REGEXP = /(\\s+\\d+;/;\n var\n CHROME_IE_STACK_REGEXP = /^\\s*at\\.*(\\s+\\d+|\\(native\\))/m;\n var\n SAFARI_NATIVE_CODE_REGEXP = /^(eval)?(\\[native code\\])?$/;\n\n return {\n /**\n * Given an\n * Error object, extract the most information from it.\n *\n * @param {Error} error object\n *\n * @return\n * {Array} of StackFrames\n *\n * parse: function ErrorStackParser$$parse(error) {\n * if (typeof\n * error.stacktrace !== 'undefined' || typeof error['opera#sourceloc'] !== 'undefined') {\n * return\n * this.parseOpera(error);\n * } else if (error.stack && error.stack.match(CHROME_IE_STACK_REGEXP)) {\n * return\n * this.parseV8OrIE(error);\n * } else if (error.stack) {\n * return\n * this.parseFFOrSafari(error);\n * } else {\n * throw new Error('Cannot parse given Error object');\n * }\n * },\n\n * // Separate\n * line and column numbers from a string of the form: (URI:Line:Column)\n * extractLocation: function\n * ErrorStackParser$$extractLocation(urlLike) {\n * // Fail-fast but return locations like \"(native)\"\n * if\n * (urlLike.indexOf(':') === -1) {\n * return [urlLike];\n * }\n * var regExp =\n * /(\\.+?)(?:\\s+(\\d+))?(?:\\s+(\\d+))?$/;\n * var parts = regExp.exec(urlLike.replace(/\\/g, \"\");\n * return [parts[1],\n * parts[2] || undefined, parts[3] || undefined];\n * },\n\n * parseV8OrIE: function\n * ErrorStackParser$$parseV8OrIE(error) {\n * var filtered = error.stack.split(\"\\n\").filter(function(line) {\n * return\n * !!line.match(CHROME_IE_STACK_REGEXP);\n * }, this);\n * return\n * filtered.map(function(line) {\n * if (line.indexOf('(eval ') > -1) {\n * // Throw away eval\n * information until we implement stacktrace.js/stackframe#8\n * line\n * = line.replace(/eval code/g, 'eval').replace(/\\((eval at [\\^\\(\\)]*)\\)(\\s*,.*$)/g, \"\");\n * var sanitizedLine\n * = line.replace(/^\\s+/, \"\").replace(/\\((eval code/g, '(');\n * // capture and preseve the parenthesized location\n * \"(/foo/my bar.js:12:87)\" in\n * // case it has spaces in it, as the string is split on \\s+ later on\n * var\n * location = sanitizedLine.match(/\\((\\.+):(\\d+):(\\d+))$/);\n * // remove the parenthesized location from\n * the line, if it was matched\n * sanitizedLine = location ? sanitizedLine.replace(location[0], \"\");\n
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[illegible]

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columnNumber: locationParts[2],\n source: line\n });\n }, this);\n }\n });\n });\n \"use strict\"\n module.exports = Yallist\n Yallist.Node = Node\n Yallist.create = Yallist\n \n function Yallist(list) {\n var self = this\n if (!(self instanceof Yallist)) {\n self = new Yallist()\n }\n self.tail = null\n self.head = null\n self.length = 0\n if (list && typeof list.forEach === 'function') {\n list.forEach(function (item) {\n self.push(item)\n })\n } else if (arguments.length > 0) {\n for (var i = 0, l = arguments.length; i < l; i++) {\n self.push(arguments[i])\n }\n }\n return self\n }\n \n Yallist.prototype.removeNode = function (node) {\n if (node.list !== this) {\n throw new Error('removing node which does not belong to this list')\n }\n \n var next = node.next\n var prev = node.prev\n \n if (next) {\n next.prev = prev\n }\n \n if (prev) {\n prev.next = next\n }\n \n if (node === this.head) {\n this.head = next\n }\n \n if (node === this.tail) {\n this.tail = prev\n }\n \n node.list.length--\n node.next = null\n node.prev = null\n node.list = null\n \n return next\n }\n \n Yallist.prototype.unshiftNode = function (node) {\n if (node === this.head) {\n return\n }\n \n if (node.list) {\n node.list.removeNode(node)\n }\n \n var head = this.head\n node.list = this\n node.next = head\n \n if (head) {\n head.prev = node\n }\n \n this.head = node\n \n if (!this.tail) {\n this.tail = node\n }\n \n this.length++\n }\n \n Yallist.prototype.pushNode = function (node) {\n if (node === this.tail) {\n return\n }\n \n if (node.list) {\n node.list.removeNode(node)\n }\n \n var tail = this.tail\n \n node.list = this\n node.prev = tail\n \n if (tail) {\n tail.next = node\n }\n \n this.tail = node\n \n if (!this.head) {\n this.head = node\n }\n \n this.length++\n }\n \n Yallist.prototype.push = function () {\n for (var i = 0, l = arguments.length; i < l; i++) {\n push(this, arguments[i])\n }\n \n return this.length\n }\n \n Yallist.prototype.unshift = function () {\n for (var i = 0, l = arguments.length; i < l; i++) {\n unshift(this, arguments[i])\n }\n \n return this.length\n }\n \n Yallist.prototype.pop = function () {\n if (!this.tail) {\n return undefined\n }\n \n var res = this.tail.value\n this.tail = this.tail.prev\n \n if (this.tail) {\n this.tail.next = null\n }\n \n else {\n this.head = null\n }\n \n this.length--\n \n return res\n }\n \n Yallist.prototype.shift = function () {\n if (!this.head) {\n return undefined\n }\n \n var res = this.head.value\n this.head = this.head.next\n \n if (this.head) {\n this.head.prev = null\n }\n \n else {\n this.tail = null\n }\n \n this.length--\n \n return res\n }\n \n Yallist.prototype.forEach = function (fn, thisp) {\n thisp = thisp || this\n \n for (var walker = this.head, i = 0; walker !== null; i++) {\n fn.call(thisp, walker.value, i, this)\n walker = walker.next\n }\n }\n \n Yallist.prototype.forEachReverse = function (fn, thisp) {\n thisp = thisp || this\n \n for (var walker = this.tail, i = this.length - 1; walker !== null; i--) {\n fn.call(thisp, walker.value, i, this)\n walker = walker.prev\n }\n }\n \n Yallist.prototype.get = function (n) {\n for (var i = 0, walker = this.head; walker !== null && i < n; i++) {\n // abort out of the list early if we hit a cycle\n walker = walker.next\n }\n \n if (i === n && walker !== null) {\n return walker.value\n }\n \n return undefined\n }\n \n Yallist.prototype.getReverse = function (n) {\n for (var i = 0, walker = this.tail; walker !== null && i < n; i++) {\n // abort out of the list early if we hit a cycle\n walker = walker.prev\n }\n \n if (i === n && walker !== null) {\n return walker.value\n }\n \n return undefined\n }\n \n Yallist.prototype.map = function (fn, thisp) {\n thisp = thisp || this\n \n var res = new Yallist()\n \n for (var walker = this.head; walker !== null;) {\n res.push(fn.call(thisp, walker.value, this))\n walker = walker.next\n }\n \n return res\n }\n \n Yallist.prototype.mapReverse = function (fn, thisp) {\n thisp = thisp || this\n \n var res = new Yallist()\n \n for (var walker = this.tail; walker !== null;) {\n res.push(fn.call(thisp, walker.value, this))\n walker = walker.prev\n }\n \n return res\n }\n \n Yallist.prototype.reduce = function (fn, initial) {\n var acc\n var walker = this.head\n \n if (arguments.length > 1) {\n acc = initial\n }\n \n else if (this.head) {\n walker = this.head\n acc = this.head.value\n }\n \n else {\n throw new TypeError('Reduce of empty list with no initial value')\n }\n \n for (var i = 0; walker !== null; i++) {\n acc = fn(acc, walker.value, i)\n walker = walker.next\n }\n \n return acc\n }\n \n Yallist.prototype.reduceReverse = function (fn, initial) {\n var acc\n var walker = this.tail\n \n if (arguments.length > 1) {\n acc = initial\n }\n \n else if (this.tail) {\n walker = this.tail\n acc = this.tail.value\n }\n \n else {\n throw new TypeError('Reduce of empty list with no initial value')\n }\n \n for (var i = this.length - 1; walker !== null; i--) {\n acc = fn(acc, walker.value, i)\n walker = walker.prev\n }\n \n return acc\n }\n \n Yallist.prototype.toArray = function () {\n var arr = new Array(this.length)\n \n for (var i = 0, walker = this.head; walker !== null; i++) {\n arr[i] = walker.value\n walker = walker.next\n }\n \n return arr\n }\n \n Yallist.prototype.toArrayReverse = function () {\n var arr = new

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Array(this.length)\n for (var i = 0, walker = this.tail; walker !== null; i++) {\n arr[i] = walker.value\n walker = walker.prev\n }\n return arr\n}\n\nYallist.prototype.slice = function (from, to) {\n to = to || this.length\n if (to < 0) {\n to += this.length\n }\n from = from || 0\n if (from < 0) {\n from += this.length\n }\n var ret = new Yallist()\n if (to < from || to < 0) {\n return ret\n }\n if (from < 0) {\n from = 0\n }\n if (to > this.length) {\n to = this.length\n }\n for (var i = 0, walker = this.head; walker !== null && i < from; i++) {\n walker = walker.next\n }\n for (; walker !== null && i < to; i++, walker = walker.next) {\n ret.push(walker.value)\n }\n return ret\n}\n\nYallist.prototype.sliceReverse = function (from, to) {\n to = to || this.length\n if (to < 0) {\n to += this.length\n }\n from = from || 0\n if (from < 0) {\n from += this.length\n }\n var ret = new Yallist()\n if (to < from || to < 0) {\n return ret\n }\n if (from < 0) {\n from = 0\n }\n if (to > this.length) {\n to = this.length\n }\n for (var i = this.length, walker = this.tail; walker !== null && i > to; i--) {\n walker = walker.prev\n }\n for (; walker !== null && i > from; i--, walker = walker.prev) {\n ret.push(walker.value)\n }\n return ret\n}\n\nYallist.prototype.splice = function (start, deleteCount /*, ...nodes */) {\n if (start > this.length) {\n start = this.length - 1\n }\n if (start < 0) {\n start = this.length + start\n }\n for (var i = 0, walker = this.head; walker !== null && i < start; i++) {\n walker = walker.next\n }\n var ret = []\n for (var i = 0; walker && i < deleteCount; i++) {\n ret.push(walker.value)\n walker = this.removeNode(walker)\n }\n if (walker === null) {\n walker = this.tail\n }\n if (walker !== this.head && walker !== this.tail) {\n walker = walker.prev\n }\n for (var i = 2; i < arguments.length; i++) {\n walker = insert(this, walker, arguments[i])\n }\n return ret\n}\n\nYallist.prototype.reverse = function () {\n var head = this.head\n var tail = this.tail\n for (var walker = head; walker !== null; walker = walker.prev) {\n var p = walker.prev\n walker.prev = walker.next\n walker.next = p\n }\n this.head = tail\n this.tail = head\n return this\n}\n\nfunction insert (self, node, value) {\n var inserted = node === self.head ?\n new Node(value, null, node, self) :\n new Node(value, node, node.next, self)\n if (inserted.next === null) {\n self.tail = inserted\n }\n if (inserted.prev === null) {\n self.head = inserted\n }\n self.length++\n return inserted\n}\n\nfunction push (self, item) {\n self.tail = new Node(item, self.tail, null, self)\n if (!self.head) {\n self.head = self.tail\n }\n self.length++\n}\n\nfunction unshift (self, item) {\n self.head = new Node(item, null, self.head, self)\n if (!self.tail) {\n self.tail = self.head\n }\n self.length++\n}\n\nfunction Node (value, prev, next, list) {\n if (!(this instanceof Node)) {\n return new Node(value, prev, next, list)\n }\n this.list = list\n this.value = value\n if (prev) {\n prev.next = this\n this.prev = prev\n } else {\n this.prev = null\n }\n if (next) {\n next.prev = this\n this.next = next\n } else {\n this.next = null\n }\n}\n\n// add if support for Symbol.iterator is present\nrequire('./iterator.js')(Yallist)\n\n'use strict'\nmodule.exports = function (Yallist) {\n Yallist.prototype[Symbol.iterator] = function* () {\n for (let walker = this.head; walker; walker = walker.next) {\n yield walker.value\n }\n }\n}\n\n'use strict'\nObject.defineProperty(exports, '__esModule', {\n value: true\n});\n\nexports.default = void 0;\n\nvar _path = _interopRequireDefault(require('path'));\n\nvar t = _interopRequireWildcard(require('@babel/types'));\n\nfunction _getRequireWildcardCache() {\n if (typeof WeakMap !== 'function') return null;\n var cache = new WeakMap();\n _getRequireWildcardCache = function () {\n return cache;\n };\n return cache;\n}\n\nfunction _interopRequireWildcard(obj) {\n if (obj && obj.__esModule) {\n return obj;\n }\n if (obj === null || typeof obj !== 'object' && typeof obj !== 'function') {\n return {\n default: obj\n };\n }\n var cache = _getRequireWildcardCache();\n if (cache && cache.has(obj)) {\n return cache.get(obj);\n }\n var newObj = {};\n var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;\n for (var key in obj) {\n if (Object.prototype.hasOwnProperty.call(obj, key)) {\n var desc = hasPropertyDescriptor ?\n Object.getOwnPropertyDescriptor(obj, key) : null;\n if (desc && (desc.get || desc.set)) {\n Object.defineProperty(newObj, key, desc);\n } else {\n newObj[key] = obj[key];\n }\n }\n }\n newObj.default = obj;\n if (cache) {\n cache.set(obj, newObj);\n }\n return newObj;\n}\n\nfunction _interopRequireDefault(obj) {\n return obj && obj.__esModule ? obj : {\n default: obj\n };\n}\n\nconst testing = process.env.NODE_ENV === 'test';\n\nclass TraversalContext {\n constructor(scope, opts, state, parentPath) {\n this.queue = null;\n this.parentPath =

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parentPath;\n this.scope = scope;\n this.state = state;\n\n this.opts = opts;\n }\n\n shouldVisit(node) {\n const opts = this.opts;\n if (opts.enter || opts.exit) return true;\n if (opts[node.type]) return true;\n const keys = t.VISITOR_KEYS[node.type];\n if (!keys || !keys.length) return false;\n for (const key of keys) {\n if (node[key]) return true;\n }\n return false;\n }\n\n create(node, obj, key, listKey) {\n return _path.default.get({\n parentPath: this.parentPath,\n parent:\n node,\n container: obj,\n key: key,\n listKey\n });\n }\n\n maybeQueue(path, notPriority) {\n if (this.trap) throw new Error("Infinite cycle detected");\n if (this.queue) {\n if (notPriority) {\n this.queue.push(path);\n } else {\n this.priorityQueue.push(path);\n }\n }\n }\n\n visitMultiple(container, parent, listKey) {\n if (container.length === 0) return false;\n const queue = [];\n for (let key = 0;\n key < container.length; key++) {\n const node = container[key];\n if (node && this.shouldVisit(node)) {\n queue.push(this.create(parent, container, key, listKey));\n }\n }\n return this.visitQueue(queue);\n }\n\n visitSingle(node, key) {\n if (this.shouldVisit(node[key])) {\n return this.visitQueue([this.create(node, node,\n key)]);\n } else {\n return false;\n }\n }\n\n visitQueue(queue) {\n this.queue = queue;\n this.priorityQueue = [];\n const visited = [];\n let stop = false;\n for (const path of queue) {\n path.resync();\n if (path.contexts.length === 0 || path.contexts[path.contexts.length - 1] !== this) {\n path.pushContext(this);\n }\n if (path.key === null) continue;\n if (testing && queue.length >= 10000)\n this.trap = true;\n if (visited.indexOf(path.node) >= 0) continue;\n visited.push(path.node);\n if (path.visit()) {\n stop\n = true;\n break;\n }\n if (this.priorityQueue.length) {\n stop =\n this.visitQueue(this.priorityQueue);\n this.priorityQueue = [];\n this.queue = queue;\n if (stop) break;\n }\n for (const path of queue) {\n path.popContext();\n }\n this.queue = null;\n return stop;\n }\n }\n\n visit(node, key) {\n const nodes = node[key];\n if (!nodes) return false;\n if (Array.isArray(nodes)) {\n return this.visitMultiple(nodes, node, key);\n } else {\n return this.visitSingle(node, key);\n }\n }\n}\n\nexports.default = TraversalContext;\n","use strict";\n\nObject.defineProperty(exports, "__esModule",\n {\n value: true\n });\n\nexports.default = void 0;\n\nvar _buildMatchMemberExpression =\n _interopRequireDefault(require("../buildMatchMemberExpression"));\n\nfunction _interopRequireDefault(obj) {\n return obj && obj.__esModule ? obj : { default: obj }; }\n\nconst isReactComponent = (0,\n _buildMatchMemberExpression.default)("React.Component");\n\nvar _default = isReactComponent;\n\nexports.default = _default;\n","use strict";\n\nObject.defineProperty(exports, "__esModule",\n {\n value: true\n });\n\nexports.default = isCompatTag;\n\nfunction isCompatTag(tagName) {\n return !!tagName && /^[a-z]/.test(tagName);\n}\n","use strict";\n\nObject.defineProperty(exports, "__esModule",\n {\n value: true\n });\n\nexports.default = buildChildren;\n\nvar _generated =\n require("../validators/generated");\n\nvar _cleanJSXElementLiteralChild =\n _interopRequireDefault(require("../utils/react/cleanJSXElementLiteralChild"));\n\nfunction _interopRequireDefault(obj) {\n return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction\n buildChildren(node) {\n const elements = [];\n for (let i = 0; i < node.children.length; i++) {\n let child =\n node.children[i];\n if ((0, _generated.isJSXText)(child)) {\n (0, _cleanJSXElementLiteralChild.default)(child,\n elements);\n continue;\n }\n if ((0, _generated.isJSXExpressionContainer)(child)) child = child.expression;\n if ((0,\n _generated.isJSXEmptyExpression)(child)) continue;\n elements.push(child);\n }\n return elements;\n },\n "use\n strict";\n\nObject.defineProperty(exports, "__esModule",\n {\n value: true\n });\n\nexports.default =\n cleanJSXElementLiteralChild;\n\nvar _generated = require("../builders/generated");\n\nfunction\n cleanJSXElementLiteralChild(child, args) {\n const lines = child.value.split(/\\r\\n|\\n|\\r/);\n let lastNonEmptyLine\n = 0;\n for (let i = 0; i < lines.length; i++) {\n if (lines[i].match(/[\\t]/)) {\n lastNonEmptyLine = i;\n }\n }\n let str = "";\n for (let i = 0; i < lines.length; i++) {\n const line = lines[i];\n const isFirstLine = i ===\n 0;\n const isLastLine = i ===\n lines.length - 1;\n const isLastNonEmptyLine = i ===\n lastNonEmptyLine;\n let trimmedLine\n = line.replace(/\\t/g, " ");\n if (!isFirstLine) {\n trimmedLine
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= trimmedLine.replace(/^[]+/, '');\n } \n\n if (!isLastLine) {\n trimmedLine = trimmedLine.replace(/[]+$/,
'\n');\n } \n\n if (trimmedLine) {\n if (!isLastNonEmptyLine) {\n trimmedLine += '\n';\n } \n\n str
+= trimmedLine;\n } \n\n if (str) args.push((0, _generated.stringLiteral)(str));\n}","use
strict";\n\nObject.defineProperty(exports, '__esModule', { value: true});\n\nexports.default = builder;\n\nvar
_clone = _interopRequireDefault(require('lodash/clone'));\n\nvar _definitions = require('..definitions');\n\nvar
_validate = _interopRequireDefault(require('..validators/validate'));\n\nfunction _interopRequireDefault(obj) {
return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction builder(type, ...args) {\n const keys =
_definitions.BUILDER_KEYS[type];\n const countArgs = args.length;\n\n if (countArgs > keys.length) {\n
throw new Error(`${type}: Too many arguments passed. Received ${countArgs}
but can receive no more than ${keys.length}`);\n } \n\n const node = {\n type\n }; \n let i = 0;\n
keys.forEach(key => {\n const field = _definitions.NODE_FIELDS[type][key];\n let arg;\n if (i < countArgs)
arg = args[i];\n if (arg === undefined) arg = (0, _clone.default)(field.default);\n node[key] = arg;\n i++;\n
});\n\n for (const key of Object.keys(node)) {\n (0, _validate.default)(node, key, node[key]);\n }\n\n return
node;\n}","var baseClone = require('._baseClone');\n\n/** Used to compose bitmasks for cloning. */\nvar
CLONE_SYMBOLS_FLAG = 4;\n\n/**\n * Creates a shallow clone of `value`.\n * **Note:** This method is
loosely based on the\n * [structured clone algorithm](https://mdn.io/Structured_clone_algorithm)\n * and supports
cloning arrays, array buffers, booleans, date objects, maps,\n * numbers, `Object` objects, regexes, sets, strings,
symbols, and typed\n * arrays. The own enumerable properties of `arguments` objects are cloned\n * as plain
objects. An empty object is returned for uncloneable values such\n * as error objects, functions, DOM nodes, and
WeakMaps.\n * **@static\n * **@memberOf _\n * **@since 0.1.0\n * **@category Lang\n * **@param {*} value The
value to clone.\n * **@returns {*} Returns the cloned value.\n * **@see _.cloneDeep\n * **@example\n * **var objects
= [{ 'a': 1 }, { 'b': 2 }];\n * **var shallow = _.clone(objects);\n * **console.log(shallow[0] === objects[0]);\n * **// =>
true\n */\nfunction clone(value) {\n return baseClone(value, CLONE_SYMBOLS_FLAG);\n}\n\nmodule.exports =
clone;\n","var Stack = require('._Stack'),\n arrayEach = require('._arrayEach'),\n assignValue =
require('._assignValue'),\n baseAssign = require('._baseAssign'),\n baseAssignIn = require('._baseAssignIn'),\n
cloneBuffer = require('._cloneBuffer'),\n copyArray = require('._copyArray'),\n copySymbols =
require('._copySymbols'),\n copySymbolsIn = require('._copySymbolsIn'),\n getAllKeys =
require('._getAllKeys'),\n
 getAllKeysIn = require('._getAllKeysIn'),\n getTag = require('._getTag'),\n initCloneArray =
require('._initCloneArray'),\n initCloneByTag = require('._initCloneByTag'),\n initCloneObject =
require('._initCloneObject'),\n isArray = require('._isArray'),\n isBuffer = require('._isBuffer'),\n isMap =
require('._isMap'),\n isObject = require('._isObject'),\n isSet = require('._isSet'),\n keys = require('._keys'),\n
keysIn = require('._keysIn');\n\n/** Used to compose bitmasks for cloning. */\nvar CLONE_DEEP_FLAG = 1,\n
CLONE_FLAT_FLAG = 2,\n CLONE_SYMBOLS_FLAG = 4;\n\n/** `Object#toString` result references. */\nvar
argsTag = '[object Arguments]',\n arrayTag = '[object Array]',\n boolTag = '[object Boolean]',\n
dateTag = '[object Date]',\n errorTag = '[object Error]',\n funcTag = '[object Function]',\n genTag = '[object
GeneratorFunction]',\n mapTag = '[object Map]',\n numberTag = '[object Number]',\n
 objectTag = '[object Object]',\n regexpTag = '[object RegExp]',\n setTag = '[object Set]',\n stringTag =
'[object String]',\n symbolTag = '[object Symbol]',\n weakMapTag = '[object WeakMap]';\n\nvar arrayBufferTag
= '[object ArrayBuffer]',\n dataViewTag = '[object DataView]',\n float32Tag = '[object Float32Array]',\n
float64Tag = '[object Float64Array]',\n int8Tag = '[object Int8Array]',\n int16Tag = '[object Int16Array]',\n
int32Tag = '[object Int32Array]',\n uint8Tag = '[object Uint8Array]',\n uint8ClampedTag = '[object
Uint8ClampedArray]',\n uint16Tag = '[object Uint16Array]',\n uint32Tag = '[object Uint32Array]';\n\n/** Used
to identify `toStringTag` values supported by `_.clone`. */\nvar cloneableTags = {};\n\ncloneableTags[argsTag] =
cloneableTags[arrayBufferTag] = cloneableTags[dataViewTag]
= cloneableTags[boolTag] = cloneableTags[dateTag] = cloneableTags[float32Tag] = cloneableTags[float64Tag]
= cloneableTags[int8Tag]

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= cloneableTags[int16Tag] =\ncloneableTags[int32Tag] = cloneableTags[mapTag] =\ncloneableTags[numberTag]
= cloneableTags[objectTag] =\ncloneableTags[regexpTag] = cloneableTags[setTag] =\ncloneableTags[stringTag] =
cloneableTags[symbolTag] =\ncloneableTags[uint8Tag] = cloneableTags[uint8ClampedTag]
=\ncloneableTags[uint16Tag] = cloneableTags[uint32Tag] = true;\ncloneableTags[errorTag] =
cloneableTags[funcTag] =\ncloneableTags[weakMapTag] = false;\n\n/**\n * The base implementation of `_.clone`
and `_.cloneDeep` which tracks\n * traversed objects.\n * \n * @private\n * @param {*} value The value to clone.\n
 * @param {boolean} bitmask The bitmask flags.\n * 1 - Deep clone\n * 2 - Flatten inherited properties\n * 4 -
Clone symbols\n * @param {Function} [customizer] The function to customize cloning.\n * @param {string} [key]
The key of `value`.\n * @param {Object} [object] The parent object of `value`.\n * @param {Object} [stack] Tracks
traversed objects and their clone counterparts.\n
 * @returns {*} Returns the cloned value.\n */\nfunction baseClone(value, bitmask, customizer, key, object, stack)
{\n var result,\n isDeep = bitmask & CLONE_DEEP_FLAG,\n isFlat = bitmask & CLONE_FLAT_FLAG,\n
 isFull = bitmask & CLONE_SYMBOLS_FLAG;\n\n if (customizer) {\n result = object ? customizer(value, key,
object, stack) : customizer(value);\n }\n if (result !== undefined) {\n return result;\n }\n if (!isObject(value)) {\n
 return value;\n }\n var isArr = isArray(value);\n if (isArr) {\n result = initCloneArray(value);\n if (!isDeep)
{\n return copyArray(value, result);\n }\n } else {\n var tag = getTag(value),\n isFunc = tag == funcTag
|| tag == genTag;\n\n if (isBuffer(value)) {\n return cloneBuffer(value, isDeep);\n }\n if (tag == objectTag ||
tag == argsTag || (isFunc && !object)) {\n result = (isFlat || isFunc) ? {} : initCloneObject(value);\n if
(!isDeep) {\n return isFlat\n
 ? copySymbolsIn(value, baseAssignIn(result, value))\n : copySymbols(value, baseAssign(result,
value));\n }\n } else {\n if (!cloneableTags[tag]) {\n return object ? value : {};\n }\n result =
initCloneByTag(value, tag, isDeep);\n }\n\n // Check for circular references and return its corresponding
clone.\n stack || (stack = new Stack);\n var stacked = stack.get(value);\n if (stacked) {\n return stacked;\n }\n
stack.set(value, result);\n\n if (isSet(value)) {\n value.forEach(function(subValue) {\n result.add(baseClone(subValue, bitmask, customizer, subValue, value, stack));\n });\n } else if (isMap(value)) {\n value.forEach(function(subValue, key) {\n result.set(key, baseClone(subValue, bitmask, customizer, key, value, stack));\n });\n }\n\n var keysFunc = isFull\n ? (isFlat ? getAllKeysIn : getAllKeys)\n : (isFlat ? keysIn : keys);\n\n var props = isArr ? undefined : keysFunc(value);\n arrayEach(props || value, function(subValue, key) {\n if (props) {\n key = subValue;\n subValue = value[key];\n }\n // Recursively populate clone (susceptible to call stack limits).\n assignValue(result, key, baseClone(subValue, bitmask, customizer, key, value, stack));\n });\n return result;\n }\n\n module.exports = baseClone;\n},\n\n"var\nListCache = require('./_ListCache'),\nstackClear = require('./_stackClear'),\nstackDelete =\nrequire('./_stackDelete'),\nstackGet = require('./_stackGet'),\nstackHas = require('./_stackHas'),\nstackSet =\nrequire('./_stackSet');\n\n/**\n * Creates a stack cache object to store key-value pairs.\n * \n * @private\n * @constructor\n * @param {Array} [entries] The key-value pairs to cache.\n */\nfunction Stack(entries) {\n var data = this.__data__ = new ListCache(entries);\n this.size = data.size;\n}\n\n// Add methods to\n`Stack`\nStack.prototype.clear = stackClear;\nStack.prototype['delete'] = stackDelete;\nStack.prototype.get\n= stackGet;\nStack.prototype.has = stackHas;\nStack.prototype.set = stackSet;\n\nmodule.exports = Stack;\n",\n\n/**\n * Removes all key-value entries from the list cache.\n * \n * @private\n * @name clear\n * @memberOf\nListCache\n */\nfunction listCacheClear() {\n this.__data__ = [];\n this.size = 0;\n}\n\nmodule.exports =\nlistCacheClear;\n",\n\n"var assocIndexOf = require('./_assocIndexOf');\n\n/**\n * Used for built-in method references.\n *\n * @nvar arrayProto = Array.prototype;\n\n/**\n * Built-in value references.\n *\n * @nvar splice = arrayProto.splice;\n\n/**\n * Removes `key` and its value from the list cache.\n * \n * @private\n * @name delete\n * @memberOf\nListCache\n * @param {string} key The key of the value to remove.\n * @returns {boolean} Returns `true` if the entry was\nremoved, else `false`.\n */\nfunction listCacheDelete(key) {\n var data = this.__data__,\n index =\nassocIndexOf(data, key);\n\n if (index < 0) {\n return false;\n }\n var lastIndex = data.length - 1;\n if (index\n== lastIndex) {\n data.pop();\n } else {\n splice.call(data, index, 1);\n }\n --this.size;\n return\ntrue;\n}\n\nmodule.exports = listCacheDelete;\n",\n\n"var assocIndexOf = require('./_assocIndexOf');\n\n/**\n * Gets

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the list cache value for `key`.
\n * @private
\n * @name get
\n * @memberOf ListCache
\n * @param {string} key The key of the value to get.
\n * @returns {*} Returns the entry value.
\n */
function listCacheGet(key) {
 var data = this.__data__,
 index = assocIndexOf(data, key);
 return index < 0 ? undefined :
 data[index][1];
}
\n\nmodule.exports = listCacheGet;
\n", "var assocIndexOf = require('./_assocIndexOf');
\n\n/**
 Checks if a list cache value for `key` exists.
 \n * @private
 \n * @name has
 \n * @memberOf ListCache
 \n * @param {string} key The key of the entry to check.
 \n * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 \n */
function listCacheHas(key) {
 return assocIndexOf(this.__data__, key) > -
 1;
}
\n\nmodule.exports =
 listCacheHas;
\n", "var assocIndexOf = require('./_assocIndexOf');
\n\n/**
 Sets the list cache `key` to `value`.
 \n * @private
 \n * @name set
 \n * @memberOf ListCache
 \n * @param {string} key The key of the value to set.
 \n * @param {*} value The value to set.
 \n * @returns {Object} Returns the list cache instance.
 \n */
function listCacheSet(key, value) {
 var data = this.__data__,
 index = assocIndexOf(data, key);
 if (index < 0) {
 ++this.size;
 data.push([key, value]);
 } else {
 data[index][1] = value;
 }
 return this;
}
\n\nmodule.exports = listCacheSet;
\n", "var ListCache = require('./_ListCache');
\n\n/**
 Removes all key-value entries from the stack.
 \n * @private
 \n * @name clear
 \n * @memberOf Stack
 \n */
function stackClear() {
 this.__data__ = new ListCache;
 this.size = 0;
}
\n\nmodule.exports = stackClear;
\n", "
\n\n/**
 Removes `key` and its value from the stack.
 \n * @private
 \n * @name delete
 \n * @memberOf Stack
 \n * @param {string} key The key of the value to remove.
 \n * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 \n */
function stackDelete(key) {
 var data = this.__data__,
 result = data['delete'](key);
 this.size = data.size;
 return result;
}
\n\nmodule.exports = stackDelete;
\n", "
\n\n/**
 Gets the stack value for `key`.
 \n * @private
 \n * @name get
 \n * @memberOf Stack
 \n * @param {string} key The key of the value to get.
 \n * @returns {*} Returns the entry value.
 \n */
function stackGet(key) {
 return this.__data__.get(key);
}
\n\nmodule.exports = stackGet;
\n", "
\n\n/**
 Checks if a stack value for `key` exists.
 \n * @private
 \n * @name has
 \n * @memberOf Stack
 \n * @param {string} key The key of the entry to check.
 \n * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 \n */
function stackHas(key) {
 return this.__data__.has(key);
}
\n\nmodule.exports = stackHas;
\n", "
\n\nvar ListCache = require('./_ListCache'),
 Map = require('./_Map'),
 MapCache = require('./_MapCache');
\n\n/**
 Used as the size to enable large array optimizations.
 \n */
var LARGE_ARRAY_SIZE = 200;
\n\n/**
 Sets the stack `key` to `value`.
 \n * @private
 \n * @name set
 \n * @memberOf Stack
 \n * @param {string} key The key of the value to set.
 \n * @param {*} value The value to set.
 \n * @returns {Object} Returns the stack cache instance.
 \n */
function stackSet(key, value) {
 var data = this.__data__;
 if (data instanceof ListCache) {
 var pairs = data.__data__;
 if (!Map || (pairs.length < LARGE_ARRAY_SIZE - 1)) {
 pairs.push([key, value]);
 this.size = ++data.size;
 return this;
 }
 data = this.__data__ = new MapCache(pairs);
 }
 data.set(key, value);
 this.size = data.size;
 return this;
}
\n\nmodule.exports = stackSet;
\n", "
\n\nvar isFunction = require('./isFunction'),
 isMasked = require('./isMasked'),
 isObject = require('./isObject'),
 toSource = require('./toSource');
\n\n/**
 Used to match `RegExp`
 \n * [syntax characters](http://ecma-international.org/ecma-262/7.0/#sec-patterns).
 \n */
var reRegExpChar = /[\\^$.*+?()[\]{}|]/g;
\n\n/**
 Used to detect host constructors (Safari).
 \n */
var reIsHostCtor = /\b(?:object|.+?Constructor)\b$/;
\n\n/**
 Used for built-in method references.
 \n */
var funcProto = Function.prototype,
 objectProto = Object.prototype;
\n\n/**
 Used to resolve the decompiled source of functions.
 \n */
var funcToString = funcProto.toString;
\n\n/**
 Used to check objects for own properties.
 \n */
var hasOwnProperty = objectProto.hasOwnProperty;
\n\n/**
 Used to detect if a method is native.
 \n */
var reIsNative = RegExp('^' +
 funcToString.call(hasOwnProperty).replace(reRegExpChar, '\\\\$&')
 .replace(/hasOwnProperty|(function).*?(?=\\\()| for .+?(?=\\\))/g, '$1.*?') + '$');
\n\n/**
 The base implementation of `_.isNative` without bad shim checks.
 \n * @private
 \n * @param {*} value The value to check.
 \n * @returns {boolean} Returns `true` if
 `value` is a native function, else `false`.
 \n */
function baseIsNative(value) {
 if (!isObject(value) ||
 isMasked(value)) {
 return false;
 }
 var pattern = isFunction(value) ? reIsNative : reIsHostCtor;
 return pattern.test(toSource(value));
}
\n\nmodule.exports = baseIsNative;
\n", "
\n\nvar Symbol = require('./_Symbol');
\n\n/**

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Used for built-in method references. */\nvar objectProto = Object.prototype;\n\n/** Used to check objects for own
properties. */\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/**\n * Used to resolve the\n *
[`toStringTag`](http://ecma-international.org/ecma-262/7.0/#sec-object.prototype.toString)\n * of values.\n */\nvar
nativeObjectToString = objectProto.toString;\n\n/** Built-in value references. */\nvar symToStringTag = Symbol ?
Symbol.toStringTag : undefined;\n\n/**\n * A specialized version of `baseGetTag` which ignores
`Symbol.toStringTag` values.\n */\n * @private\n * @param {*} value The value to query.\n * @returns {string}
Returns
the raw `toStringTag`. */\nfunction getRawTag(value) {\n var isOwn = hasOwnProperty.call(value,
symToStringTag),\n tag = value[symToStringTag];\n\n try {\n value[symToStringTag] = undefined;\n var
unmasked = true;\n } catch (e) {};\n\n var result = nativeObjectToString.call(value);\n if (unmasked) {\n if
(isOwn) {\n value[symToStringTag] = tag;\n } else {\n delete value[symToStringTag];\n }\n }\n return
result;\n}\n\nmodule.exports = getRawTag;\n", "/* Used for built-in method references. */\nvar objectProto =
Object.prototype;\n\n/**\n * Used to resolve the\n * [`toStringTag`](http://ecma-international.org/ecma-
262/7.0/#sec-object.prototype.toString)\n * of values.\n */\nvar nativeObjectToString =
objectProto.toString;\n\n/**\n * Converts `value` to a string using `Object.prototype.toString`. */\n * @private\n *
@param {*} value The value to convert.\n * @returns {string} Returns the converted string.\n */\nfunction
objectToString(value) {\n return
nativeObjectToString.call(value);\n}\n\nmodule.exports = objectToString;\n", "var coreJsData =
require('./_coreJsData');\n\n/** Used to detect methods masquerading as native. */\nvar maskSrcKey = (function()
{\n var uid = /^[^.] +$/ .exec(coreJsData && coreJsData.keys && coreJsData.keys.IE_PROTO || "");\n return uid ?
('Symbol(src)_1.' + uid) : '';\n})();\n\n/**\n * Checks if `func` has its source masked.\n */\n * @private\n * @param
{Function} func The function to check.\n * @returns {boolean} Returns `true` if `func` is masked, else `false`.\n */\nfunction isMasked(func) {\n return !!maskSrcKey && (maskSrcKey in func);\n}\n\nmodule.exports =
isMasked;\n", "var root = require('./_root');\n\n/** Used to detect overreaching core-js shims. */\nvar coreJsData =
root['__core-js_shared__'];\n\nmodule.exports = coreJsData;\n", "/* Gets the value at `key` of `object`. */\n * @private\n * @param {Object} [object] The object to query.\n * @param {string} key The key of the property to
get.\n * @returns {*} Returns the property value.\n */\nfunction getValue(object, key) {\n return object == null ?
undefined : object[key];\n}\n\nmodule.exports = getValue;\n", "var mapCacheClear = require('./_mapCacheClear'),\n mapCacheDelete = require('./_mapCacheDelete'),\n mapCacheGet = require('./_mapCacheGet'),\n mapCacheHas = require('./_mapCacheHas'),\n mapCacheSet = require('./_mapCacheSet');\n\n/**\n * Creates a
map cache object to store key-value pairs.\n */\n * @private\n * @constructor\n * @param {Array} [entries] The
key-value pairs to cache.\n */\nfunction MapCache(entries) {\n var index = -1,\n length = entries == null ? 0 :
entries.length;\n\n this.clear();\n while (++index < length) {\n var entry = entries[index];\n this.set(entry[0],
entry[1]);\n }\n}\n\n// Add methods to `MapCache`. \nMapCache.prototype.clear =
mapCacheClear;\nMapCache.prototype['delete'] = mapCacheDelete;\nMapCache.prototype.get =
mapCacheGet;\nMapCache.prototype.has = mapCacheHas;\nMapCache.prototype.set =
mapCacheSet;\n\nmodule.exports = MapCache;\n", "var Hash = require('./_Hash'),\n ListCache =
require('./_ListCache'),\n Map = require('./_Map');\n\n/**\n * Removes all key-value entries from the map.\n */\n * @private\n * @name clear\n * @memberOf MapCache\n */\nfunction mapCacheClear() {\n this.size = 0;\n this.__data__ = {\n 'hash': new Hash,\n 'map': new (Map || ListCache),\n 'string': new Hash\n };\n}\n\nmodule.exports = mapCacheClear;\n", "var hashClear = require('./_hashClear'),\n hashDelete =
require('./_hashDelete'),\n hashGet = require('./_hashGet'),\n hashHas = require('./_hashHas'),\n hashSet =
require('./_hashSet');\n\n/**\n * Creates a hash object.\n */\n * @private\n * @constructor\n * @param {Array}
[entries] The key-value pairs to cache.\n */\nfunction Hash(entries) {\n var index = -1,\n length = entries == null
? 0 : entries.length;\n\n this.clear();\n while (++index < length) {\n var entry = entries[index];\n this.set(entry[0],
entry[1]);\n }\n}\n\n// Add methods to `Hash`. \nHash.prototype.clear =
hashClear;\nHash.prototype['delete'] = hashDelete;\nHash.prototype.get = hashGet;\nHash.prototype.has =

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hashHas;\nHash.prototype.set = hashSet;\n\nmodule.exports = Hash;\n", "var nativeCreate =
require('./_nativeCreate');\n\n/**\n * Removes all key-value entries from the hash.\n * \n * @private\n * @name clear\n * @memberOf Hash\n */\nfunction hashClear() {\n this.__data__ = nativeCreate ? nativeCreate(null) : {};\n this.size = 0;\n}\n\nmodule.exports = hashClear;\n", "/*\n * Removes `key` and its value from the hash.\n * \n * @private\n * @name delete\n * @memberOf Hash\n * @param {Object} hash The hash to modify.\n * @param {string} key The key of the value to remove.\n * @returns {boolean} Returns `true` if the entry was removed, else `false`.\n */\nfunction hashDelete(key) {\n var result = this.has(key) && delete this.__data__[key];\n this.size -= result ? 1 : 0;\n return result;\n}\n\nmodule.exports
= hashDelete;\n", "var nativeCreate = require('./_nativeCreate');\n\n/** Used to stand-in for `undefined` hash values.
*/\nvar HASH_UNDEFINED = '__lodash_hash_undefined__';\n\n/** Used for built-in method references. */\nvar
objectProto = Object.prototype;\n\n/** Used to check objects for own properties. */\nvar hasOwnProperty =
objectProto.hasOwnProperty;\n\n/**\n * Gets the hash value for `key`.\n * \n * @private\n * @name get\n * @memberOf Hash\n * @param {string} key The key of the value to get.\n * @returns {*} Returns the entry
value.\n */\nfunction hashGet(key) {\n var data = this.__data__;\n if (nativeCreate) {\n var result = data[key];\n return result === HASH_UNDEFINED ? undefined : result;\n }\n return hasOwnProperty.call(data, key) ?
data[key] : undefined;\n}\n\nmodule.exports = hashGet;\n", "var nativeCreate = require('./_nativeCreate');\n\n/**
Used for built-in method references. */\nvar objectProto = Object.prototype;\n\n/** Used to check objects
for own properties. */\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/**\n * Checks if a hash value for
`key` exists.\n * \n * @private\n * @name has\n * @memberOf Hash\n * @param {string} key The key of the entry
to check.\n * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.\n */\nfunction hashHas(key) {\n var data = this.__data__;\n return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data,
key);\n}\n\nmodule.exports = hashHas;\n", "var nativeCreate = require('./_nativeCreate');\n\n/** Used to stand-in for
`undefined` hash values. */\nvar HASH_UNDEFINED = '__lodash_hash_undefined__';\n\n/**\n * Sets the hash
`key` to `value`.\n * \n * @private\n * @name set\n * @memberOf Hash\n * @param {string} key The key of the
value to set.\n * @param {*} value The value to set.\n * @returns {Object} Returns the hash instance.\n */\nfunction hashSet(key, value) {\n var data = this.__data__;\n this.size += this.has(key) ? 0 : 1;\n data[key]
= (nativeCreate && value === undefined) ? HASH_UNDEFINED : value;\n return this;\n}\n\nmodule.exports =
hashSet;\n", "var getMapData = require('./_getMapData');\n\n/**\n * Removes `key` and its value from the map.\n *
\n * @private\n * @name delete\n * @memberOf MapCache\n * @param {string} key The key of the value to
remove.\n * @returns {boolean} Returns `true` if the entry was removed, else `false`.\n */\nfunction
mapCacheDelete(key) {\n var result = getMapData(this, key)['delete'](key);\n this.size -= result ? 1 : 0;\n return
result;\n}\n\nmodule.exports = mapCacheDelete;\n", "/*\n * Checks if `value` is suitable for use as unique object
key.\n * \n * @private\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is
suitable, else `false`.\n */\nfunction isKeyable(value) {\n var type = typeof value;\n return (type == 'string' || type
== 'number' || type == 'symbol' || type == 'boolean')\n ? (value !== '__proto__')\n : (value ===
null);\n}\n\nmodule.exports
= isKeyable;\n", "var getMapData = require('./_getMapData');\n\n/**\n * Gets the map value for `key`.\n * \n *
@private\n * @name get\n * @memberOf MapCache\n * @param {string} key The key of the value to get.\n *
@returns {*} Returns the entry value.\n */\nfunction mapCacheGet(key) {\n return getMapData(this,
key).get(key);\n}\n\nmodule.exports = mapCacheGet;\n", "var getMapData = require('./_getMapData');\n\n/**\n *
Checks if a map value for `key` exists.\n * \n * @private\n * @name has\n * @memberOf MapCache\n * @param
{string} key The key of the entry to check.\n * @returns {boolean} Returns `true` if an entry for `key` exists,
else `false`.\n */\nfunction mapCacheHas(key) {\n return getMapData(this, key).has(key);\n}\n\nmodule.exports =
mapCacheHas;\n", "var getMapData = require('./_getMapData');\n\n/**\n * Sets the map `key` to `value`.\n * \n *
@private\n * @name set\n * @memberOf MapCache\n * @param {string} key The key of the value to set.\n *
@param {*} value The value to set.\n * @returns {Object} Returns the map cache instance.\n */\nfunction
mapCacheSet(key, value) {\n var data = getMapData(this, key);\n size = data.size;\n data.set(key, value);\n this.size += data.size ==

```

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size ? 0 : 1;\n return this;\n}\n\nmodule.exports = mapCacheSet;\n", "/*\n * A specialized version of `_.forEach`
for arrays without support for\n * iteratee shorthands.\n *\n * @private\n * @param {Array} [array] The array to
iterate over.\n * @param {Function} iteratee The function invoked per iteration.\n * @returns {Array} Returns
`array`.\n */\nfunction arrayEach(array, iteratee) {\n var index = -1,\n length = array == null ? 0 :
array.length;\n while (++index < length) {\n if (iteratee(array[index], index, array) === false) {\n break;\n }\n }\n return array;\n}\n\nmodule.exports = arrayEach;\n", "var getNative = require('./_getNative');\n\nvar
defineProperty = (function() {\n try {\n var func = getNative(Object, 'defineProperty');\n\n func({}, {}, {});\n return func;\n } catch (e) {\n return function() {};\n }\n});\n\nmodule.exports = defineProperty;\n", "var copyObject =
require('./_copyObject'),\n keys = require('./keys');\n\n/**\n * The base implementation of `_.assign` without
support for multiple sources\n * or `customizer` functions.\n *\n * @private\n * @param {Object} object The
destination object.\n * @param {Object} source The source object.\n * @returns {Object} Returns `object`.\n */\nfunction baseAssign(object, source) {\n return object && copyObject(source, keys(source),
object);\n}\n\nmodule.exports = baseAssign;\n", "/*\n * The base implementation of `_.times` without support for
iteratee shorthands\n * or max array length checks.\n *\n * @private\n * @param {number} n The number of times
to invoke `iteratee`.\n * @param {Function} iteratee The function invoked per iteration.\n * @returns {Array}
Returns the array of results.\n */\nfunction baseTimes(n, iteratee) {\n var index = -1,\n result = Array(n);\n while (++index < n) {\n result[index] = iteratee(index);\n }\n return result;\n}\n\nmodule.exports =
baseTimes;\n", "var baseIsArguments = require('./_baseIsArguments'),\n isObjectLike =
require('./isObjectLike');\n\n/**\n * Used for built-in method references. *\n\nvar objectProto = Object.prototype;\n\nUsed to check objects for own properties. *\n\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/**\n * Built-in
value references. *\n\nvar propertyIsEnumerable = objectProto.propertyIsEnumerable;\n\n/**\n * Checks if `value` is
likely an `arguments` object.\n *\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Lang\n * @param
{*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is an `arguments` object,\n * else
`false`.\n * @example\n *\n * _isArguments(function() { return arguments; }());\n * // => true\n *\n *
_.isArguments([1, 2, 3]);\n * // => false\n *\n\nvar isArguments = baseIsArguments(function() { return arguments;
})();\n\n ? baseIsArguments\n\n : function(value) {\n return isObjectLike(value) && hasOwnProperty.call(value, 'callee') &&\n
!propertyIsEnumerable.call(value, 'callee');\n};\n\nmodule.exports = isArguments;\n", "var baseGetTag =
require('./_baseGetTag'),\n isObjectLike = require('./isObjectLike');\n\n/**\n * `Object#toString` result references.
*\n\nvar argsTag = '[object Arguments]';\n\n/**\n * The base implementation of `_.isArguments`.\n *\n * @private\n *
@param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is an `arguments`
object,\n */\nfunction baseIsArguments(value) {\n return isObjectLike(value) && baseGetTag(value) ==
argsTag;\n}\n\nmodule.exports = baseIsArguments;\n", "/*\n * This method returns `false`.\n *\n * @static\n *
@memberOf _\n * @since 4.13.0\n * @category Util\n * @returns {boolean} Returns `false`.\n * @example\n *\n *
_.times(2, _stubFalse);\n * // => [false, false]\n *\n\nfunction stubFalse() {\n return false;\n}\n\nmodule.exports =
stubFalse;\n", "/*\n\nUsed as references for various `Number` constants. *\n\nvar MAX_SAFE_INTEGER = 9007199254740991;\n\n/**\n\nUsed to detect unsigned integer values. *\n\nvar reIsUint = /^(?:0|[1-9]\\d*)$/;\n\n/**\n * Checks if `value` is a valid
array-like index.\n *\n * @private\n * @param {*} value The value to check.\n * @param {number}
[length=MAX_SAFE_INTEGER] The upper bounds of a valid index.\n * @returns {boolean} Returns `true` if
`value` is a valid index, else `false`.\n */\nfunction isIndex(value, length) {\n var type = typeof value;\n length =
length == null ? MAX_SAFE_INTEGER : length;\n return !!length &&\n (type == 'number' ||\n (type !=
'symbol' && reIsUint.test(value))) &&\n (value > -1 && value % 1 == 0 && value <
length);\n}\n\nmodule.exports = isIndex;\n", "var baseIsTypedArray = require('./_baseIsTypedArray'),\n baseUnary =
require('./_baseUnary'),\n nodeUtil = require('./_nodeUtil');\n\n/**\n * Node.js helper references. *\n\nvar
nodeIsTypedArray = nodeUtil\n && nodeUtil.isTypedArray;\n\n/**\n * Checks if `value` is classified as a typed array.\n *\n * @static\n *
@memberOf _\n * @since 3.0.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns

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{boolean} Returns `true` if `value` is a typed array, else `false`.
\n * @example\n * _isTypedArray(new Uint8Array);\n * // => true\n * _isTypedArray([]);\n * // => false\n * \nvar isTypedArray = nodeIsTypedArray ?
baseUnary(nodeIsTypedArray) : baseIsTypedArray;\n\nmodule.exports = isTypedArray;\n", "var baseGetTag =
require('./_baseGetTag'),\n isLength = require('./isLength'),\n isObjectLike = require('./isObjectLike');\n\n/**
`Object#toString` result references.
\nvar argsTag = '[object Arguments]',\n arrayTag = '[object Array]',\n
boolTag = '[object Boolean]',\n dateTag = '[object Date]',\n errorTag = '[object Error]',\n funcTag = '[object
Function]',\n mapTag = '[object Map]',\n numberTag = '[object Number]',\n objectTag = '[object Object]',\n
regexpTag = '[object RegExp]',\n setTag = '[object Set]',\n stringTag = '[object String]',\n weakMapTag =
'[object WeakMap]';\n\nvar arrayBufferTag = '[object ArrayBuffer]',\n dataViewTag = '[object DataView]',\n
float32Tag = '[object Float32Array]',\n float64Tag = '[object Float64Array]',\n int8Tag = '[object Int8Array]',\n
int16Tag = '[object Int16Array]',\n int32Tag = '[object Int32Array]',\n uint8Tag = '[object Uint8Array]',\n
uint8ClampedTag = '[object Uint8ClampedArray]',\n uint16Tag = '[object Uint16Array]',\n uint32Tag = '[object
Uint32Array]';\n\n** Used to identify `toStringTag` values of typed arrays.
\nvar typedArrayTags =
{};\n\ntypedArrayTags[float32Tag] = typedArrayTags[float64Tag] =\ntypedArrayTags[int8Tag] =
typedArrayTags[int16Tag] =\ntypedArrayTags[int32Tag] = typedArrayTags[uint8Tag]
=\ntypedArrayTags[uint8ClampedTag] = typedArrayTags[uint16Tag] =\ntypedArrayTags[uint32Tag] =
true;\n\ntypedArrayTags[argsTag] = typedArrayTags[arrayTag]
=\ntypedArrayTags[arrayBufferTag] = typedArrayTags[boolTag] =\ntypedArrayTags[dataViewTag] =
typedArrayTags[dateTag] =\ntypedArrayTags[errorTag] = typedArrayTags[funcTag] =\ntypedArrayTags[mapTag]
= typedArrayTags[numberTag] =\ntypedArrayTags[objectTag] = typedArrayTags[regexpTag]
=\ntypedArrayTags[setTag] = typedArrayTags[stringTag] =\ntypedArrayTags[weakMapTag] = false;\n\n**\n *
The base implementation of `_.isTypedArray` without Node.js optimizations.
\n * @private\n * @param {*}
value The value to check.
\n * @returns {boolean} Returns `true` if `value` is a typed array, else `false`.
\n * \nfunction baseIsTypedArray(value) {\n return isObjectLike(value) &&
isLength(value.length) &&
!!typedArrayTags[baseGetTag(value)];\n}\n\nmodule.exports = baseIsTypedArray;\n", "var isPrototype =
require('./_isPrototype'),\n nativeKeys = require('./_nativeKeys');\n\n** Used for built-in method references.
\nvar objectProto = Object.prototype;\n\n** Used to check objects
for own properties.
\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n**\n * The base implementation of
`_.keys` which doesn't treat sparse arrays as dense.
\n * @private\n * @param {Object} object The object to
query.
\n * @returns {Array} Returns the array of property names.
\n * \nfunction baseKeys(object) {\n if
(!isPrototype(object)) {\n return nativeKeys(object);\n }\n var result = [];\n for (var key in Object(object)) {\n
if (hasOwnProperty.call(object, key) && key != 'constructor') {\n result.push(key);\n }\n }\n return
result;\n}\n\nmodule.exports = baseKeys;\n", "var overArg = require('./_overArg');\n\n** Built-in method references
for those with the same name as other `lodash` methods.
\nvar nativeKeys = overArg(Object.keys, Object);\n\nmodule.exports = nativeKeys;\n", "var copyObject = require('./_copyObject'),\n keysIn =
require('./keysIn');\n\n**\n * The base implementation of `_.assignIn` without support for multiple sources
\n * or
`customizer` functions.
\n * @private\n * @param {Object} object The destination object.
\n * @param {Object}
source The source object.
\n * @returns {Object} Returns `object`.
\n * \nfunction baseAssignIn(object, source) {\n
return object && copyObject(source, keysIn(source), object);\n}\n\nmodule.exports = baseAssignIn;\n", "var
isObject = require('./isObject'),\n isPrototype = require('./_isPrototype'),\n nativeKeysIn =
require('./_nativeKeysIn');\n\n** Used for built-in method references.
\nvar objectProto =
Object.prototype;\n\n** Used to check objects for own properties.
\nvar hasOwnProperty =
objectProto.hasOwnProperty;\n\n**\n * The base implementation of `_.keysIn` which doesn't treat sparse arrays as
dense.
\n * @private\n * @param {Object} object The object to query.
\n * @returns {Array} Returns the array
of property names.
\n * \nfunction baseKeysIn(object) {\n if (!isObject(object)) {\n
return nativeKeysIn(object);\n }\n var isProto = isPrototype(object),\n
result = [];\n\n for (var key in object) {\n if (!(key == 'constructor' && (isProto || !hasOwnProperty.call(object,
key)))) {\n result.push(key);\n }\n }\n return result;\n}\n\nmodule.exports = baseKeysIn;\n", "/*\n * This

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function is like\n * [\`Object.keys\`](http://ecma-international.org/ecma-262/7.0/#sec-object.keys)\n * except that it
includes inherited enumerable properties.\n *\n * @private\n * @param {Object} object The object to query.\n *
@returns {Array} Returns the array of property names.\n */\nfunction nativeKeysIn(object) {\n var result = [];\n if
(object != null) {\n for (var key in Object(object)) {\n result.push(key);\n }\n }\n return
result;\n}\n\nmodule.exports = nativeKeysIn;\n", "var root = require('./_root');\n\n/** Detect free variable `exports`.\n
*/\nvar freeExports = typeof exports == 'object' && exports && !exports.nodeType && exports;\n\n/** Detect free
variable `module`.\n */\nvar freeModule = freeExports && typeof module ==
'object' && module && !module.nodeType && module;\n\n/** Detect the popular CommonJS extension
`module.exports`.\n */\nvar moduleExports = freeModule && freeModule.exports === freeExports;\n\n/** Built-in
value references.\n */\nvar Buffer = moduleExports ? root.Buffer : undefined,\n allocUnsafe = Buffer ?
Buffer.allocUnsafe : undefined;\n\n/**\n * Creates a clone of `buffer`.\n *\n * @private\n * @param {Buffer}
buffer The buffer to clone.\n * @param {boolean} [isDeep] Specify a deep clone.\n * @returns {Buffer} Returns
the cloned buffer.\n */\nfunction cloneBuffer(buffer, isDeep) {\n if (isDeep) {\n return buffer.slice();\n }\n var
length = buffer.length,\n result = allocUnsafe ? allocUnsafe(length) : new buffer.constructor(length);\n \n \n
buffer.copy(result);\n return result;\n}\n\nmodule.exports = cloneBuffer;\n", "*/\n * Copies the values of `source`
to `array`.\n *\n * @private\n * @param {Array} source The array to copy values from.\n * @param {Array}
[array=[]] The
array to copy values to.\n * @returns {Array} Returns `array`.\n */\nfunction copyArray(source, array) {\n var
index = -1,\n length = source.length;\n \n \n array || (array = Array(length));\n while (++index < length) {\n
array[index] = source[index];\n }\n return array;\n}\n\nmodule.exports = copyArray;\n", "var copyObject =
require('./_copyObject'),\n getSymbols = require('./_getSymbols');\n\n/**\n * Copies own symbols of `source` to
`object`.\n *\n * @private\n * @param {Object} source The object to copy symbols from.\n * @param {Object}
[object={}] The object to copy symbols to.\n * @returns {Object} Returns `object`.\n */\nfunction
copySymbols(source, object) {\n return copyObject(source, getSymbols(source), object);\n}\n\nmodule.exports =
copySymbols;\n", "*/\n * A specialized version of `_.filter` for arrays without support for\n * iteratee shorthands.\n
*\n * @private\n * @param {Array} [array] The array to iterate over.\n * @param {Function} predicate The
function
invoked per iteration.\n * @returns {Array} Returns the new filtered array.\n */\nfunction arrayFilter(array,
predicate) {\n var index = -1,\n length = array == null ? 0 : array.length,\n resIndex = 0,\n result = [];\n \n
 \n while (++index < length) {\n var value = array[index];\n if (predicate(value, index, array)) {\n
result[resIndex++] = value;\n }\n }\n return result;\n}\n\nmodule.exports = arrayFilter;\n", "var copyObject =
require('./_copyObject'),\n getSymbolsIn = require('./_getSymbolsIn');\n\n/**\n * Copies own and inherited
symbols of `source` to `object`.\n *\n * @private\n * @param {Object} source The object to copy symbols from.\n *
@param {Object} [object={}] The object to copy symbols to.\n * @returns {Object} Returns `object`.\n */\nfunction
copySymbolsIn(source, object) {\n return copyObject(source, getSymbolsIn(source),
object);\n}\n\nmodule.exports = copySymbolsIn;\n", "var baseGetAllKeys = require('./_baseGetAllKeys'),\n \n
getSymbols
= require('./_getSymbols'),\n keys = require('./keys');\n\n/**\n * Creates an array of own enumerable property
names and symbols of `object`.\n *\n * @private\n * @param {Object} object The object to query.\n * @returns
{Array} Returns the array of property names and symbols.\n */\nfunction getAllKeys(object) {\n return
baseGetAllKeys(object, keys, getSymbols);\n}\n\nmodule.exports = getAllKeys;\n", "var baseGetAllKeys =
require('./_baseGetAllKeys'),\n getSymbolsIn = require('./_getSymbolsIn'),\n keysIn =
require('./keysIn');\n\n/**\n * Creates an array of own and inherited enumerable property names and\n * symbols of
`object`.\n *\n * @private\n * @param {Object} object The object to query.\n * @returns {Array} Returns the array
of property names and symbols.\n */\nfunction getAllKeysIn(object) {\n return baseGetAllKeys(object, keysIn,
getSymbolsIn);\n}\n\nmodule.exports = getAllKeysIn;\n", "var getNative = require('./_getNative'),\n root =
require('./_root');\n\n/* Built-in

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method references that are verified to be native. */\nvar DataView = getNative(root,
'DataView');\n\nmodule.exports = DataView;\n", "var getNative = require('./_getNative'),\n root =
require('./_root');\n\n/* Built-in method references that are verified to be native. */\nvar Promise = getNative(root,
'Promise');\n\nmodule.exports = Promise;\n", "var getNative = require('./_getNative'),\n root =
require('./_root');\n\n/* Built-in method references that are verified to be native. */\nvar Set = getNative(root,
'Set');\n\nmodule.exports = Set;\n", "var getNative = require('./_getNative'),\n root = require('./_root');\n\n/* Built-
in method references that are verified to be native. */\nvar WeakMap = getNative(root,
'WeakMap');\n\nmodule.exports = WeakMap;\n", "/* Used for built-in method references. */\nvar objectProto =
Object.prototype;\n\n/* Used to check objects for own properties. */\nvar hasOwnProperty =
objectProto.hasOwnProperty;\n\n/**\n * Initializes an array clone.\n *\n * @private\n * @param {Array} array The array to clone.\n * @returns {Array} Returns the initialized clone.\n
*\n */\nfunction initCloneArray(array) {\n var length = array.length,\n result = new array.constructor(length);\n\n //
Add properties assigned by `RegExp#exec`.\n if (length && typeof array[0] == 'string' &&
hasOwnProperty.call(array, 'index')) {\n result.index = array.index;\n result.input = array.input;\n }\n return
result;\n}\n\nmodule.exports = initCloneArray;\n", "var cloneArrayBuffer = require('./_cloneArrayBuffer'),\n cloneDataView =
require('./_cloneDataView'),\n cloneRegExp = require('./_cloneRegExp'),\n cloneSymbol =
require('./_cloneSymbol'),\n cloneTypedArray = require('./_cloneTypedArray');\n\n/** `Object#toString` result
references. */\nvar boolTag = '[object Boolean]',\n dateTag = '[object Date]',\n mapTag = '[object Map]',\n
 numberTag = '[object Number]',\n regexpTag = '[object RegExp]',\n setTag = '[object Set]',\n stringTag
= '[object String]',\n symbolTag = '[object Symbol]';\n\nvar arrayBufferTag = '[object ArrayBuffer]',\n dataViewTag =
'[object DataView]',\n float32Tag = '[object Float32Array]',\n float64Tag = '[object
Float64Array]',\n int8Tag = '[object Int8Array]',\n int16Tag = '[object Int16Array]',\n int32Tag = '[object
Int32Array]',\n uint8Tag = '[object Uint8Array]',\n uint8ClampedTag = '[object Uint8ClampedArray]',\n uint16Tag =
'[object Uint16Array]',\n uint32Tag = '[object Uint32Array]';\n\n/**\n * Initializes an object clone
based on its `toStringTag`.\n *\n * **Note:** This function only supports cloning values with tags of\n * `Boolean`,
`Date`, `Error`, `Map`, `Number`, `RegExp`, `Set`, or `String`.\n *\n * @private\n * @param {Object} object The
object to clone.\n * @param {string} tag The `toStringTag` of the object to clone.\n * @param {boolean} [isDeep]
Specify a deep clone.\n * @returns {Object} Returns the initialized clone.\n *\n */\nfunction initCloneByTag(object,
tag, isDeep) {\n var Ctor = object.constructor;\n switch (tag) {\n case arrayBufferTag:\n return
cloneArrayBuffer(object);\n\n case boolTag:\n case dateTag:\n return new Ctor(+object);\n\n case
dataViewTag:\n return cloneDataView(object, isDeep);\n\n case float32Tag:\n case float64Tag:\n case int8Tag:\n
 case int16Tag:\n case int32Tag:\n case uint8Tag:\n case uint8ClampedTag:\n case uint16Tag:\n case uint32Tag:\n
 return cloneTypedArray(object, isDeep);\n\n case mapTag:\n return new Ctor;\n\n case numberTag:\n case
stringTag:\n return new Ctor(object);\n\n case regexpTag:\n return cloneRegExp(object);\n\n case
setTag:\n return new Ctor;\n\n case symbolTag:\n return cloneSymbol(object);\n }\n}\n\nmodule.exports =
initCloneByTag;\n", "var root = require('./_root');\n\n/** Built-in value references. */\nvar Uint8Array =
root.Uint8Array;\n\nmodule.exports = Uint8Array;\n", "var cloneArrayBuffer =
require('./_cloneArrayBuffer');\n\n/**\n * Creates a clone of `dataView`.\n *\n * @private\n * @param {Object} dataView The data view to clone.\n *
@param {boolean} [isDeep] Specify a deep clone.\n * @returns {Object} Returns the cloned data view.\n
*\n */\nfunction cloneDataView(dataView, isDeep) {\n var buffer = isDeep ? cloneArrayBuffer(dataView.buffer) :
dataView.buffer;\n return new dataView.constructor(buffer, dataView.byteOffset,\n dataView.byteLength);\n}\n\nmodule.exports = cloneDataView;\n", "/* Used to match `RegExp` flags from their
coerced string values. */\nvar reFlags = /\w*$/;\n\n/**\n * Creates a clone of `regexp`.\n *\n * @private\n *
@param {Object} regexp The regexp to clone.\n * @returns {Object} Returns the cloned regexp.\n *\n */\nfunction
cloneRegExp(regexp) {\n var result = new regexp.constructor(regexp.source, reFlags.exec(regexp));\n result.lastIndex =
regexp.lastIndex;\n return result;\n}\n\nmodule.exports = cloneRegExp;\n", "var Symbol =
require('./_Symbol');\n\n/**

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Used to convert symbols to primitives and strings. */
var symbolProto = Symbol ? Symbol.prototype :
undefined,
symbolValueOf = symbolProto ? symbolProto.valueOf : undefined;

/**
 * Creates a clone of the
 * `symbol` object.
 * @private
 * @param {Object} symbol The symbol object to clone.
 * @returns {Object}
 * Returns the cloned symbol object.
 */
function cloneSymbol(symbol) {
 return symbolValueOf ?
Object(symbolValueOf.call(symbol)) : {};
}

module.exports = cloneSymbol;

", "var cloneArrayBuffer =
require('./_cloneArrayBuffer');

/**
 * Creates a clone of `typedArray`.
 * @private
 * @param {Object}
typedArray The typed array to clone.
 * @param {boolean} [isDeep] Specify a deep clone.
 * @returns {Object}
 * Returns the cloned typed array.
 */
function cloneTypedArray(typedArray, isDeep) {
 var buffer = isDeep ?
cloneArrayBuffer(typedArray.buffer) : typedArray.buffer;
 return new typedArray.constructor(buffer,
typedArray.byteOffset, typedArray.length);
}

module.exports
= cloneTypedArray;

", "var baseCreate = require('./_baseCreate'),
 getPrototype = require('./_getPrototype'),
 isPrototype = require('./_isPrototype');

/**
 * Initializes an object clone.
 * @private
 * @param {Object}
object The object to clone.
 * @returns {Object}
 * Returns the initialized clone.
 */
function initCloneObject(object) {
 return (typeof object.constructor == 'function' && !isPrototype(object)) ?
baseCreate(getPrototype(object)) : {};
}

module.exports = initCloneObject;

", "var isObject =
require('./isObject');

/**
 * Built-in value references.
 */
var objectCreate = Object.create;

/**
 * The base
 * implementation of `_.create` without support for assigning
 * properties to the created object.
 * @private
 * @param {Object} proto The object to inherit from.
 * @returns {Object}
 * Returns the new object.
 */
var baseCreate = (function() {
 function object() {}
 return function(proto) {
 if (!isObject(proto)) {
 return {};
 }
 if (objectCreate) {
 return objectCreate(proto);
 }
 object.prototype = proto;
 var result = new object;
 object.prototype = undefined;
 return result;
 };
})();

module.exports = baseCreate;

", "var baseIsMap = require('./_baseIsMap'),
 baseUnary =
require('./_baseUnary'),
 nodeUtil = require('./_nodeUtil');

/**
 * Node.js helper references.
 */
var nodeIsMap =
nodeUtil && nodeUtil.isMap;

/**
 * Checks if `value` is classified as a `Map` object.
 * @static
 * @memberOf _
 * @since 4.3.0
 * @category Lang
 * @param {*} value The value to check.
 * @returns {boolean}
 * Returns `true` if `value` is a map, else `false`.
 * @example
 * _._.isMap(new Map);
 * // => true
 * _._.isMap(new WeakMap);
 * // => false
 */
var isMap = nodeIsMap ? baseUnary(nodeIsMap) :
baseIsMap;

module.exports = isMap;

", "var getTag = require('./_getTag'),
 isObjectLike =
require('./isObjectLike');

/**
 * `Object#toString` result references.
 */
var mapTag = '[object Map]';

/**
 * The base implementation of
 * `_.isMap` without Node.js optimizations.
 * @private
 * @param {*} value The value to check.
 * @returns {boolean}
 * Returns `true` if `value` is a map, else `false`.
 */
function baseIsMap(value) {
 return
isObjectLike(value) && getTag(value) == mapTag;
}

module.exports = baseIsMap;

", "var baseIsSet =
require('./_baseIsSet'),
 baseUnary = require('./_baseUnary'),
 nodeUtil = require('./_nodeUtil');

/**
 * Node.js
 * helper references.
 */
var nodeIsSet = nodeUtil && nodeUtil.isSet;

/**
 * Checks if `value` is classified as a
 * `Set` object.
 * @static
 * @memberOf _
 * @since 4.3.0
 * @category Lang
 * @param {*} value The
value to check.
 * @returns {boolean}
 * Returns `true` if `value` is a set, else `false`.
 * @example
 * _._.isSet(new Set);
 * // => true
 * _._.isSet(new WeakSet);
 * // => false
 */
var isSet = nodeIsSet ?
baseUnary(nodeIsSet)
: baseIsSet;

module.exports = isSet;

", "var getTag = require('./_getTag'),
 isObjectLike =
require('./isObjectLike');

/**
 * `Object#toString` result references.
 */
var setTag = '[object Set]';

/**
 * The base implementation of
 * `_.isSet` without Node.js optimizations.
 * @private
 * @param {*} value The
value to check.
 * @returns {boolean}
 * Returns `true` if `value` is a set, else `false`.
 */
function baseIsSet(value) {
 return
isObjectLike(value) && getTag(value) == setTag;
}

module.exports = baseIsSet;

", "use
strict";

Object.defineProperty(exports, '__esModule', {
 value: true
});

nextExports.isIdentifierStart =
isIdentifierStart;
nextExports.isIdentifierChar = isIdentifierChar;
nextExports.isIdentifierName = isIdentifierName;
nextlet
nonASCIIIdentifierStartChars = '\u0000\u0001\u0002\u0003\u0004\u0005\u0006\u0007\u0008\u0009\u000a\u000b\u000c\u000d\u000e\u000f\u0010\u0011\u0012\u0013\u0014\u0015\u0016\u0017\u0018\u0019\u001a\u001b\u001c\u001d\u001e\u001f\u0020\u0021\u0022\u0023\u0024\u0025\u0026\u0027\u0028\u0029\u002a\u002b\u002c\u002d\u002e\u002f\u0030\u0031\u0032\u0033\u0034\u0035\u0036\u0037\u0038\u0039\u003a\u003b\u003c\u003d\u003e\u003f\u0040\u0041\u0042\u0043\u0044\u0045\u0046\u0047\u0048\u0049\u004a\u004b\u004c\u004d\u004e\u004f\u0050\u0051\u0052\u0053\u0054\u0055\u0056\u0057\u0058\u0059\u005a\u005b\u005c\u005d\u005e\u005f\u0060\u0061\u0062\u0063\u0064\u0065\u0066\u0067\u0068\u0069\u006a\u006b\u006c\u006d\u006e\u006f\u0070\u0071\u0072\u0073\u0074\u0075\u0076\u0077\u0078\u0079\u007a\u007b\u007c\u007d\u007e\u007f\u0080\u0081\u0082\u0083\u0084\u0085\u0086\u0087\u0088\u0089\u008a\u008b\u008c\u008d\u008e\u008f\u0090\u0091\u0092\u0093\u0094\u0095\u0096\u0097\u0098\u0099\u009a\u009b\u009c\u009d\u009e\u009f\u00a0\u00a1\u00a2\u00a3\u00a4\u00a5\u00a6\u00a7\u00a8\u00a9\u00aa\u00ab\u00ac\u00ad\u00ae\u00af\u00b0\u00b1\u00b2\u00b3\u00b4\u00b5\u00b6\u00b7\u00b8\u00b9\u00ba\u00bb\u00bc\u00bd\u00be\u00bf\u00c0\u00c1\u00c2\u00c3\u00c4\u00c5\u00c6\u00c7\u00c8\u00c9\u00ca\u00cb\u00cc\u00cd\u00ce\u00cf\u00d0\u00d1\u00d2\u00d3\u00d4\u00d5\u00d6\u00d7\u00d8\u00d9\u00da\u00db\u00dc\u00dd\u00de\u00df\u00e0\u00e1\u00e2\u00e3\u00e4\u00e5\u00e6\u00e7\u00e8\u00e9\u00ea\u00eb\u00ec\u00ed\u00ie\u00ef\u00f0\u00f1\u00f2\u00f3\u00f4\u00f5\u00f6\u00f7\u00f8\u00f9\u00fa\u00fb\u00fc\u00fd\u00fe\u00ff\u0100\u0101\u0102\u0103\u0104\u0105\u0106\u0107\u0108\u0109\u010a\u010b\u010c\u010d\u010e\u010f\u0110\u0111\u0112\u0113\u0114\u0115\u0116\u0117\u0118\u0119\u011a\u011b\u011c\u011d\u011e\u011f\u0120\u0121\u0122\u0123\u0124\u0125\u0126\u0127\u0128\u0129\u012a\u012b\u012c\u012d\u012e\u012f\u0130\u0131\u0132\u0133\u0134\u0135\u0136\u0137\u0138\u0139\u013a\u013b\u013c\u013d\u013e\u013f\u0140\u0141\u0142\u0143\u0144\u0145\u0146\u0147\u0148\u0149\u014a\u014b\u014c\u014d\u014e\u014f\u0150\u0151\u0152\u0153\u0154\u0155\u0156\u0157\u0158\u0159\u015a\u015b\u015c\u015d\u015e\u015f\u0160\u0161\u0162\u0163\u0164\u0165\u0166\u0167\u0168\u0169\u016a\u016b\u016c\u016d\u016e\u016f\u0170\u0171\u0172\u0173\u0174\u0175\u0176\u0177\u0178\u0179\u017a\u017b\u017c\u017d\u017e\u017f\u0180\u0181\u0182\u0183\u0184\u0185\u0186\u0187\u0188\u0189\u018a\u018b\u018c\u018d\u018e\u018f\u0190\u0191\u0192\u0193\u0194\u0195\u0196\u0197\u0198\u0199\u019a\u019b\u019c\u019d\u019e\u019f\u01a0\u01a1\u01a2\u01a3\u01a4\u01a5\u01a6\u01a7\u01a8\u01a9\u01aa\u01ab\u01ac\u01ad\u01ae\u01af\u01b0\u01b1\u01b2\u01b3\u01b4\u01b5\u01b6\u01b7\u01b8\u01b9\u01ba\u01bb\u01bc\u01bd\u01be\u01bf\u01c0\u01c1\u01c2\u01c3\u01c4\u01c5\u01c6\u01c7\u01c8\u01c9\u01ca\u01cb\u01cc\u01cd\u01ce\u01cf\u01d0\u01d1\u01d2\u01d3\u01d4\u01d5\u01d6\u01d7\u01d8\u01d9\u01da\u01db\u01dc\u01dd\u01de\u01df\u01e0\u01e1\u01e2\u01e3\u01e4\u01e5\u01e6\u01e7\u01e8\u01e9\u01ea\u01eb\u01ec\u01ed\u01ee\u01ef\u01f0\u01f1\u01f2\u01f3\u01f4\u01f5\u01f6\u01f7\u01f8\u01f9\u01fa\u01fb\u01fc\u01fd\u01fe\u01ff\u0200\u0201\u0202\u0203\u0204\u0205\u0206\u0207\u0208\u0209\u020a\u020b\u020c\u020d\u020e\u020f\u0210\u0211\u0212\u0213\u0214\u0215\u0216\u0217\u0218\u0219\u021a\u021b\u021c\u021d\u021e\u021f\u0220\u0221\u0222\u0223\u0224\u0225\u0226\u0227\u0228\u0229\u022a\u022b\u022c\u022d\u022e\u022f\u0230\u0231\u0232\u0233\u0234\u0235\u0236\u0237\u0238\u0239\u023a\u023b\u023c\u023d\u023e\u023f\u0240\u0241\u0242\u0243\u0244\u0245\u0246\u0247\u0248\u0249\u024a\u024b\u024c\u024d\u024e\u024f\u0250\u0251\u0252\u0253\u0254\u0255\u0256\u0257\u0258\u0259\u025a\u025b\u025c\u025d\u025e\u025f\u0260\u0261\u0262\u0263\u0264\u0265\u0266\u0267\u0268\u0269\u026a\u026b\u026c\u026d\u026e\u026f\u0270\u0271\u0272\u0273\u0274\u0275\u0276\u0277\u0278\u0279\u027a\u027b\u027c\u027d\u027e\u027f\u0280\u0281\u0282\u0283\u0284\u0285\u0286\u0287\u0288\u0289\u028a\u028b\u028c\u028d\u028e\u028f\u0290\u0291\u0292\u0293\u0294\u0295\u0296\u0297\u0298\u0299\u029a\u029b\u029c\u029d\u029e\u029f\u02a0\u02a1\u02a2\u02a3\u02a4\u02a5\u02a6\u02a7\u02a8\u02a9\u02aa\u02ab\u02ac\u02ad\u02ae\u02af\u02b0\u02b1\u02b2\u02b3\u02b4\u02b5\u02b6\u02b7\u02b8\u02b9\u02ba\u02bb\u02bc\u02bd\u02be\u02bf\u02c0\u02c1\u02c2\u02c3\u02c4\u02c5\u02c6\u02c7\u02c8\u02c9\u02ca\u02cb\u02cc\u02cd\u02ce\u02cf\u02d0\u02d1\u02d2\u02d3\u02d4\u02d5\u02d6\u02d7\u02d8\u02d9\u02da\u02db\u02dc\u02dd\u02de\u02df\u02e0\u02e1\u02e2\u02e3\u02e4\u02e5\u02e6\u02e7\u02e8\u02e9\u02ea\u02eb\u02ec\u02ed\u02ee\u02ef\u02f0\u02f1\u02f2\u02f3\u02f4\u02f5\u02f6\u02f7\u02f8\u02f9\u02fa\u02fb\u02fc\u02fd\u02fe\u02ff\u0300\u0301\u0302\u0303\u0304\u0305\u0306\u0307\u0308\u0309\u030a\u030b\u030c\u030d\u030e\u030f\u0310\u0311\u0312\u0313\u0314\u0315\u0316\u0317\u0318\u0319\u031a\u031b\u031c\u031d\u031e\u031f\u0320\u0321\u0322\u0323\u0324\u0325\u0326\u0327\u0328\u0329\u032a\u032b\u032c\u032d\u032e\u032f\u0330\u0331\u0332\u0333\u0334\u0335\u0336\u0337\u0338\u0339\u033a\u033b\u033c\u033d\u033e\u033f\u0340\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\\u1fbc\\u1fbe\\u1fc2-\\u1fc4\\u1fc6-\\u1fcc\\u1fd0-\\u1fd3\\u1fd6-\\u1fdb\\u1fe0-\\u1fec\\u1ff2-\\u1ff4\\u1ff6-  
\\u1ffc\\u2071\\u207f\\u2090-\\u209c\\u2102\\u2107\\u210a-\\u2113\\u2115\\u2118-  
\\u211d\\u2124\\u2126\\u2128\\u212a-\\u2139\\u213c-\\u213f\\u2145-\\u2149\\u214e\\u2160-\\u2188\\u2c00-  
\\u2c2e\\u2c30-\\u2c5e\\u2c60-\\u2ce4\\u2ceb-\\u2cee\\u2cf2\\u2cf3\\u2d00-\\u2d25\\u2d27\\u2d2d\\u2d30-  
\\u2d67\\u2d6f\\u2d80-\\u2d96\\u2da0-\\u2da6\\u2da8-\\u2dae\\u2db0-\\u2db6\\u2db8-\\u2dbe\\u2dc0-  
\\u2dc6\\u2dc8-\\u2dce\\u2dd0-\\u2dd6\\u2dd8-\\u2dde\\u3005-\\u3007\\u3021-\\u3029\\u3031-\\u3035\\u3038-  
\\u303c\\u3041-\\u3096\\u309b-\\u309f\\u30a1-\\u30fa\\u30fc-\\u30ff\\u3105-\\u312f\\u3131-\\u318e\\u31a0-  
\\u31bf\\u31f0-\\u31ff\\u3400-\\u4dbf\\u4e00-\\u9ffc\\ua000-\\ua48c\\ua4d0-\\ua4fd\\ua500-\\ua60c\\ua610-  
\\ua61f\\ua62a\\ua62b\\ua640-\\ua66e\\ua67f-\\ua69d\\ua6a0-\\ua6ef\\ua717-\\ua71f\\ua722-\\ua788\\ua78b-  
\\ua7bf\\ua7c2-\\ua7ca\\ua7f5-\\ua801\\ua803-\\ua805\\ua807-\\ua80a\\ua80c-\\ua822\\ua840-\\ua873\\ua882-  
\\ua8b3\\ua8f2-\\ua8f7\\ua8fb\\ua8fd\\ua8fe\\ua90a-\\ua925\\ua930-\\ua946\\ua960-\\ua97c\\ua984-  
\\ua9b2\\ua9cf\\ua9e0-\\ua9e4\\ua9e6-\\ua9ef\\ua9fa-\\ua9fe\\uaa00-\\uaa28\\uaa40-\\uaa42\\uaa44-\\uaa4b\\uaa60-  
\\uaa76\\uaa7a\\uaa7e-\\uaaaf\\uaab1\\uaab5\\uaab6\\uaab9-\\uaabd\\uaac0\\uaac2\\uaadb-\\uaadd\\uaae0-  
\\uaaea\\uaaf2-\\uaaf4\\uab01-\\uab06\\uab09-\\uab0e\\uab11-\\uab16\\uab20-\\uab26\\uab28-\\uab2e\\uab30-  
\\uab5a\\uab5c-\\uab69\\uab70-\\uabe2\\uac00-\\ud7a3\\ud7b0-\\ud7c6\\ud7cb-\\ud7fb\\uf900-\\ufa6d\\ufa70-  
\\ufad9\\ufb00-\\ufb06\\ufb13-\\ufb17\\ufb1d\\ufb1f-\\ufb28\\ufb2a-\\ufb36\\ufb38-  
\\ufb3c\\ufb3e\\ufb40\\ufb41\\ufb43\\ufb44\\ufb46-\\ufbb1\\ufbd3\\ufd3d\\ufd50-\\ufd8f\\ufd92-\\ufdc7\\ufdfd0-  
\\ufdfb\\ufe70-\\ufe74\\ufe76-\\ufefc\\uff21-\\uff3a\\uff41-\\uff5a\\uff66-\\uffbe\\uffc2-\\uffc7\\uffca-\\uffcf\\uffd2-  
\\uffd7\\uffda-\\uffdc\\";nlet

```

nonASCIIIdentifierChars = "\\u200c\\u200d\\xb7\\u0300-\\u036f\\u0387\\u0483-\\u0487\\u0591-\\u05bd\\u05bf\\u05c1\\u05c2\\u05c4\\u05c5\\u05c7\\u0610-\\u061a\\u064b-\\u0669\\u0670\\u06d6-\\u06dc\\u06df-\\u06e4\\u06e7\\u06e8\\u06ea-\\u06ed\\u06f0-\\u06f9\\u0711\\u0730-\\u074a\\u07a6-\\u07b0\\u07c0-\\u07c9\\u07eb-\\u07f3\\u07fd\\u0816-\\u0819\\u081b-\\u0823\\u0825-\\u0827\\u0829-\\u082d\\u0859-\\u085b\\u08d3-\\u08e1\\u08e3-\\u0903\\u093a-\\u093c\\u093e-\\u094f\\u0951-\\u0957\\u0962\\u0963\\u0966-\\u096f\\u0981-\\u0983\\u09bc\\u09be-\\u09c4\\u09c7\\u09c8\\u09cb-\\u09cd\\u09d7\\u09e2\\u09e3\\u09e6-\\u09ef\\u09fe\\u0a01-\\u0a03\\u0a3c\\u0a3e-\\u0a42\\u0a47\\u0a48\\u0a4b-\\u0a4d\\u0a51\\u0a66-\\u0a71\\u0a75\\u0a81-\\u0a83\\u0abc\\u0abe-\\u0ac5\\u0ac7-\\u0ac9\\u0acb-\\u0acd\\u0ae2\\u0ae3\\u0ae6-\\u0aef\\u0afa-\\u0aff\\u0b01-\\u0b03\\u0b3c\\u0b3e-\\u0b44\\u0b47\\u0b48\\u0b4b-\\u0b4d\\u0b55-\\u0b57\\u0b62\\u0b63\\u0b66-\\u0b6f\\u0b82\\u0bbe-\\u0bc2\\u0bc6-\\u0bc8\\u0bca-\\u0bcd\\u0bd7\\u0be6-\\u0bef\\u0c00-\\u0c04\\u0c3e-\\u0c44\\u0c46-\\u0c48\\u0c4a-\\u0c4d\\u0c55\\u0c56\\u0c62\\u0c63\\u0c66-\\u0c6f\\u0c81-\\u0c83\\u0cbc\\u0cbe-\\u0cc4\\u0cc6-\\u0cc8\\u0cca-\\u0ccd\\u0cd5\\u0cd6\\u0ce2\\u0ce3\\u0ce6-\\u0cef\\u0d00-\\u0d03\\u0d3b\\u0d3c\\u0d3e-\\u0d44\\u0d46-\\u0d48\\u0d4a-\\u0d4d\\u0d57\\u0d62\\u0d63\\u0d66-\\u0d6f\\u0d81-\\u0d83\\u0dca\\u0dcf-\\u0dd4\\u0dd6\\u0dd8-\\u0ddf\\u0de6-\\u0def\\u0df2\\u0df3\\u0e31\\u0e34-\\u0e3a\\u0e47-\\u0e4e\\u0e50-\\u0e59\\u0eb1\\u0eb4-\\u0ebc\\u0ec8-\\u0ecd\\u0ed0-\\u0ed9\\u0f18\\u0f19\\u0f20-\\u0f29\\u0f35\\u0f37\\u0f39\\u0f3e\\u0f3f\\u0f71-\\u0f84\\u0f86\\u0f87\\u0f8d-\\u0f97\\u0f99-\\u0fbc\\u0fc6\\u102b-\\u103e\\u1040-\\u1049\\u1056-\\u1059\\u105e-\\u1060\\u1062-\\u1064\\u1067-\\u106d\\u1071-\\u1074\\u1082-\\u108d\\u108f-\\u109d\\u135d-\\u135f\\u1369-\\u1371\\u1712-\\u1714\\u1732-\\u1734\\u1752\\u1753\\u1772\\u1773\\u17b4-\\u17d3\\u17dd\\u17e0-\\u17e9\\u180b-\\u180d\\u1810-\\u1819\\u18a9\\u1920-\\u192b\\u1930-\\u193b\\u1946-\\u194f\\u19d0-\\u19da\\u1a17-\\u1a1b\\u1a55-\\u1a5e\\u1a60-\\u1a7c\\u1a7f-\\u1a89\\u1a90-\\u1a99\\u1ab0-\\u1abd\\u1abf\\u1ac0\\u1b00-\\u1b04\\u1b34-\\u1b44\\u1b50-\\u1b59\\u1b6b-\\u1b73\\u1b80-\\u1b82\\u1ba1-\\u1bad\\u1bb0-\\u1bb9\\u1be6-\\u1bf3\\u1c24-\\u1c37\\u1c40-\\u1c49\\u1c50-\\u1c59\\u1cd0-\\u1cd2\\u1cd4-\\u1ce8\\u1ced\\u1cf4\\u1cf7-\\u1cf9\\u1dc0-\\u1df9\\u1dfb-\\u1dff\\u203f\\u2040\\u2054\\u20d0-\\u20dc\\u20e1\\u20e5-\\u20f0\\u2cef-\\u2cf1\\u2d7f\\u2de0-\\u2dff\\u302a-\\u302f\\u3099\\u309a\\ua620-\\ua629\\ua66f\\ua674-\\ua67d\\ua69e\\ua69f\\ua6f0\\ua6f1\\ua802\\ua806\\ua80b\\ua823-\\ua827\\ua82c\\ua880\\ua881\\ua8b4-\\ua8c5\\ua8d0-\\ua8d9\\ua8e0-\\ua8f1\\ua8ff-\\ua909\\ua926-\\ua92d\\ua947-\\ua953\\ua980-\\ua983\\ua9b3-\\ua9c0\\ua9d0-\\ua9d9\\ua9e5\\ua9f0-\\ua9f9\\uaa29-\\uaa36\\uaa43\\uaa4c\\uaa4d\\uaa50-\\uaa59\\uaa7b-\\uaa7d\\uaab0\\uaab2-\\uaab4\\uaab7\\uaab8\\uaabe\\uaabf\\uaac1\\uaaeb-\\uaaef\\uaaf5\\uaaf6\\uabe3-\\uabea\\uabec\\uabed\\uabf0-\\uabf9\\ufb1e\\ufe00-\\ufe0f\\ufe20-\\ufe2f\\ufe33\\ufe34\\ufe4d-\\ufe4f\\uff10-\\uff19\\uff3f";\nconst
nonASCIIIdentifierStart = new RegExp("[\" + nonASCIIIdentifierStartChars + \"]\");\nconst nonASCIIIdentifier =
new RegExp("[\" + nonASCIIIdentifierStartChars
+ nonASCIIIdentifierChars + \"]\");\nnonASCIIIdentifierStartChars = nonASCIIIdentifierChars = null;\nconst
astralIdentifierStartCodes = [0, 11, 2, 25, 2, 18, 2, 1, 2, 14, 3, 13, 35, 122, 70, 52, 268, 28, 4, 48, 48, 31, 14, 29, 6,
37, 11, 29, 3, 35, 5, 7, 2, 4, 43, 157, 19, 35, 5, 35, 5, 39, 9, 51, 157, 310, 10, 21, 11, 7, 153, 5, 3, 0, 2, 43, 2, 1, 4, 0, 3,
22, 11, 22, 10, 30, 66, 18, 2, 1, 11, 21, 11, 25, 71, 55, 7, 1, 65, 0, 16, 3, 2, 2, 2, 28, 43, 28, 4, 28, 36, 7, 2, 27, 28, 53,
11, 21, 11, 18, 14, 17, 111, 72, 56, 50, 14, 50, 14, 35, 349, 41, 7, 1, 79, 28, 11, 0, 9, 21, 107, 20, 28, 22, 13, 52, 76,
44, 33, 24, 27, 35, 30, 0, 3, 0, 9, 34, 4, 0, 13, 47, 15, 3, 22, 0, 2, 0, 36, 17, 2, 24, 85, 6, 2, 0, 2, 3, 2, 14, 2, 9, 8, 46, 39,
7, 3, 1, 3, 21, 2, 6, 2, 1, 2, 4, 4, 0, 19, 0, 13, 4, 159, 52, 19, 3, 21, 2, 31, 47, 21, 1, 2, 0, 185, 46, 42, 3, 37, 47, 21, 0,
60, 42, 14, 0, 72, 26, 230, 43, 117, 63, 32, 7, 3, 0, 3, 7, 2, 1, 2, 23, 16, 0, 2, 0, 95, 7, 3, 38, 17, 0, 2, 0, 29, 0,
11, 39, 8, 0, 22, 0, 12, 45, 20, 0, 35, 56, 264, 8, 2, 36, 18, 0, 50, 29, 113, 6, 2, 1, 2, 37, 22, 0, 26, 5, 2, 1, 2, 31, 15, 0,
328, 18, 190, 0, 80, 921, 103, 110, 18, 195, 2749, 1070, 4050, 582, 8634, 568, 8, 30, 114, 29, 19, 47, 17, 3, 32, 20, 6,
18, 689, 63, 129, 74, 6, 0, 67, 12, 65, 1, 2, 0, 29, 6135, 9, 1237, 43, 8, 8952, 286, 50, 2, 18, 3, 9, 395, 2309, 106, 6,
12, 4, 8, 8, 9, 5991, 84, 2, 70, 2, 1, 3, 0, 3, 1, 3, 3, 2, 11, 2, 0, 2, 6, 2, 64, 2, 3, 3, 7, 2, 6, 2, 27, 2, 3, 2, 4, 2, 0, 4, 6, 2,
339, 3, 24, 2, 24, 2, 30, 2, 24, 2, 30, 2, 24, 2, 30, 2, 24, 2, 30, 2, 24, 2, 7, 2357, 44, 11, 6, 17, 0, 370, 43, 1301, 196,
60, 67, 8, 0, 1205, 3, 2, 26, 2, 1, 2, 0, 3, 0, 2, 9, 2, 3, 2, 0, 2, 0, 7, 0, 5, 0, 2, 0, 2, 0, 2, 2, 1, 2, 0, 3, 0, 2, 0, 2, 0, 2, 0,
2, 0, 2, 1, 2, 0, 3, 3, 2, 6, 2, 3, 2, 3, 2, 0, 2, 9, 2, 16, 6, 2, 2, 4, 2, 16, 4421, 42717, 35, 4148, 12, 221, 3, 5761, 15,

```

```

7472, 3104, 541, 1507, 4938];\nconst astralIdentifierCodes = [509, 0, 227, 0, 150, 4, 294, 9, 1368, 2, 2,
1, 6, 3, 41, 2, 5, 0, 166, 1, 574, 3, 9, 9, 370, 1, 154, 10, 176, 2, 54, 14, 32, 9, 16, 3, 46, 10, 54, 9, 7, 2, 37, 13, 2, 9, 6,
1, 45, 0, 13, 2, 49, 13, 9, 3, 2, 11, 83, 11, 7, 0, 161, 11, 6, 9, 7, 3, 56, 1, 2, 6, 3, 1, 3, 2, 10, 0, 11, 1, 3, 6, 4, 4, 193, 17,
10, 9, 5, 0, 82, 19, 13, 9, 214, 6, 3, 8, 28, 1, 83, 16, 16, 9, 82, 12, 9, 9, 84, 14, 5, 9, 243, 14, 166, 9, 71, 5, 2, 1, 3, 3, 2,
0, 2, 1, 13, 9, 120, 6, 3, 6, 4, 0, 29, 9, 41, 6, 2, 3, 9, 0, 10, 10, 47, 15, 406, 7, 2, 7, 17, 9, 57, 21, 2, 13, 123, 5, 4, 0, 2,
1, 2, 6, 2, 0, 9, 9, 49, 4, 2, 1, 2, 4, 9, 9, 330, 3, 19306, 9, 135, 4, 60, 6, 26, 9, 1014, 0, 2, 54, 8, 3, 82, 0, 12, 1, 19628,
1, 5319, 4, 4, 5, 9, 7, 3, 6, 31, 3, 149, 2, 1418, 49, 513, 54, 5, 49, 9, 0, 15, 0, 23, 4, 2, 14, 1361, 6, 2, 16, 3, 6, 2, 1, 2,
4, 262, 6, 10, 9, 419, 13, 1495, 6, 110, 6, 6, 9, 4759, 9, 787719, 239];\n\nfunction isInAstralSet(code, set) {\n let pos
= 0x10000;\n\n for (let i = 0, length = set.length; i < length; i += 2) {\n pos += set[i];\n if (pos > code) return false;\n pos += set[i + 1];\n if (pos >= code) return true;\n }\n\n return
false;\n}\n\nfunction isIdentifierStart(code) {\n if (code < 65) return code === 36;\n if (code <= 90) return true;\n if (code < 97) return code === 95;\n if (code <= 122) return true;\n\n if (code <= 0xffff) {\n return code >= 0xaa
&& nonASCIIIdentifierStart.test(String.fromCharCode(code));\n }\n\n return isInAstralSet(code,
astralIdentifierStartCodes);\n}\n\nfunction isIdentifierChar(code) {\n if (code < 48) return code === 36;\n if (code
< 58) return true;\n if (code < 65) return false;\n if (code <= 90) return true;\n if (code < 97) return code === 95;\n if (code <= 122) return true;\n\n if (code <= 0xffff) {\n return code >= 0xaa &&
nonASCIIIdentifier.test(String.fromCharCode(code));\n }\n\n return isInAstralSet(code, astralIdentifierStartCodes)
|| isInAstralSet(code, astralIdentifierCodes);\n}\n\nfunction isIdentifierName(name) {\n let isFirst = true;\n\n for (let i = 0; i < name.length; i++) {\n let cp = name.charCodeAt(i);\n\n if ((cp & 0xfc00) === 0xd800 && i +
1 < name.length) {\n const trail = name.charCodeAt(++i);\n\n if ((trail & 0xfc00) === 0xdc00) {\n cp =
0x10000 + ((cp & 0x3ff) << 10) + (trail & 0x3ff);\n }\n }\n\n if (isFirst) {\n isFirst = false;\n\n if
(!isIdentifierStart(cp)) {\n return false;\n }\n } else if (!isIdentifierChar(cp)) {\n return false;\n }\n }\n\n return isFirst;\n}\n\n"use strict";\n\nObject.defineProperty(exports, '__esModule', {\n value:
true\n});\n\nexports.isReservedWord = isReservedWord;\nexports.isStrictReservedWord =
isStrictReservedWord;\nexports.isStrictBindOnlyReservedWord =
isStrictBindOnlyReservedWord;\nexports.isStrictBindReservedWord =
isStrictBindReservedWord;\nexports.isKeyword = isKeyword;\n\nconst reservedWords = {\n keyword: [\"break\",
\"case\", \"catch\", \"continue\", \"debugger\", \"default\", \"do\", \"else\",
\"finally\", \"for\", \"function\", \"if\", \"return\", \"switch\", \"throw\", \"try\", \"var\", \"const\", \"while\", \"with\",
\"new\", \"this\", \"super\", \"class\", \"extends\", \"export\", \"import\", \"null\", \"true\", \"false\", \"in\",
\"instanceof\", \"typeof\", \"void\", \"delete\"],\n strict: [\"implements\", \"interface\", \"let\", \"package\",
\"private\", \"protected\", \"public\", \"static\", \"yield\"],\n strictBind: [\"eval\", \"arguments\"]\n};\n\nconst keywords
= new Set(reservedWords.keyword);\n\nconst reservedWordsStrictSet = new Set(reservedWords.strict);\n\nconst
reservedWordsStrictBindSet = new Set(reservedWords.strictBind);\n\nfunction isReservedWord(word, inModule)
{\n return inModule && word === \"await\" || word === \"enum\";\n}\n\nfunction isStrictReservedWord(word,
inModule) {\n return isReservedWord(word, inModule) || reservedWordsStrictSet.has(word);\n}\n\nfunction
isStrictBindOnlyReservedWord(word) {\n return reservedWordsStrictBindSet.has(word);\n}\n\nfunction
isStrictBindReservedWord(word, inModule) {\n return isStrictReservedWord(word, inModule) ||
isStrictBindOnlyReservedWord(word);\n}\n\nfunction isKeyword(word) {\n return keywords.has(word);\n}\n\n\"use
strict\";\n\nvar _utils = _interopRequireWildcard(require(\"./utils\"));\n\nfunction _getRequireWildcardCache() { if
(typeof WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache =
function () { return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj &&
obj.__esModule) { return obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return
{ default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); }
var newObj = {}; var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for
(var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj,

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key) : null; if (desc && (desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] =
obj[key]; } } } newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }

const
defineInterfaceishType = (name, typeParameterType = "TypeParameterDeclaration") => {
 (0,
 _utils.default)(name, {
 builder: ["id", "typeParameters", "extends", "body"],
 visitor: ["id",
 "typeParameters", "extends", "mixins", "implements", "body"],
 aliases: ["Flow", "FlowDeclaration",
 "Statement", "Declaration"],
 fields: {
 id: (0, _utils.validateType)("Identifier"),
 typeParameters: (0,
 _utils.validateOptionalType)(typeParameterType),
 extends: (0, _utils.validateOptional)((0,
 _utils.arrayOfType)("InterfaceExtends")),
 mixins: (0, _utils.validateOptional)((0,
 _utils.arrayOfType)("InterfaceExtends")),
 implements: (0, _utils.validateOptional)((0,
 _utils.arrayOfType)("ClassImplements")),
 body: (0, _utils.validateType)("ObjectTypeAnnotation")
 }
 });
 (0,
 _utils.default)("AnyTypeAnnotation", {
 aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]
 });
 (0,
 _utils.default)("ArrayTypeAnnotation", {
 visitor: ["elementType"],
 aliases: ["Flow", "FlowType"],
 fields: {
 elementType: (0, _utils.validateType)("FlowType")
 }
 });
 (0,
 _utils.default)("BooleanTypeAnnotation", {
 aliases: ["Flow", "FlowType",
 "FlowBaseAnnotation"]
 });
 (0,
 _utils.default)("BooleanLiteralTypeAnnotation", {
 builder: ["value"],
 aliases: ["Flow", "FlowType"],
 fields: {
 value: (0, _utils.validate)((0,
 _utils.assertValueType)("boolean"))
 }
 });
 (0,
 _utils.default)("NullLiteralTypeAnnotation", {
 aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]
 });
 (0,
 _utils.default)("ClassImplements", {
 visitor: ["id",
 "typeParameters"],
 aliases: ["Flow"],
 fields: {
 id: (0, _utils.validateType)("Identifier"),
 typeParameters: (0,
 _utils.validateOptionalType)("TypeParameterInstantiation")
 }
 });
 defineInterfaceishType("DeclareClass");
 (0,
 _utils.default)("DeclareFunction", {
 visitor: ["id"],
 aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
 fields: {
 id: (0,
 _utils.validateType)("Identifier"),
 predicate: (0, _utils.validateOptionalType)("DeclaredPredicate")
 }
 });
 defineInterfaceishType("DeclareInterface");
 (0,
 _utils.default)("DeclareModule", {
 builder: ["id",
 "body", "kind"],
 visitor: ["id", "body"],
 aliases: ["Flow", "FlowDeclaration", "Statement",
 "Declaration"],
 fields: {
 id: (0, _utils.validateType)(["Identifier", "StringLiteral"]),
 body: (0,
 _utils.validateType)("BlockStatement"),
 kind: (0, _utils.validateOptional)((0,
 _utils.assertOneOf)("CommonJS", "ES"))
 }
 });
 (0,
 _utils.default)("DeclareModuleExports", {
 visitor: ["typeAnnotation"],
 aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
 fields: {
 typeAnnotation: (0, _utils.validateType)("TypeAnnotation")
 }
 });
 (0,
 _utils.default)("DeclareTypeAlias", {
 visitor: ["id", "typeParameters", "right"],
 aliases: ["Flow",
 "FlowDeclaration", "Statement", "Declaration"],
 fields: {
 id: (0, _utils.validateType)("Identifier"),
 typeParameters: (0, _utils.validateOptionalType)("TypeParameterDeclaration"),
 right: (0,
 _utils.validateType)("FlowType")
 }
 });
 (0,
 _utils.default)("DeclareOpaqueType", {
 visitor: ["id",
 "typeParameters", "supertype"],
 aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
 fields: {
 id: (0, _utils.validateType)("Identifier"),
 typeParameters: (0,
 _utils.validateOptionalType)("TypeParameterDeclaration"),
 supertype: (0,
 _utils.validateOptionalType)("FlowType")
 }
 });
 (0,
 _utils.default)("DeclareVariable", {
 visitor: ["id"],
 aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
 fields: {
 id: (0,
 _utils.validateType)("Identifier")
 }
 });
 (0,
 _utils.default)("DeclareExportDeclaration", {
 visitor: ["declaration", "specifiers", "source"],
 aliases: ["Flow", "FlowDeclaration", "Statement",
 "Declaration"],
 fields: {
 declaration: (0, _utils.validateOptionalType)("Flow"),
 specifiers: (0,
 _utils.validateOptional)((0, _utils.arrayOfType)(["ExportSpecifier", "ExportNamespaceSpecifier"])),
 source: (0,
 _utils.validateOptionalType)("StringLiteral"),
 default: (0, _utils.validateOptional)((0,
 _utils.assertValueType)("boolean"))
 }
 });
 (0,
 _utils.default)("DeclareExportAllDeclaration", {
 visitor: ["source"],
 aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
 fields: {
 source: (0,

```

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_utils.validateType)("StringLiteral"),\n exportKind:
(0, _utils.validateOptional)((0, _utils.assertOneOf)("type", "value"))\n }));\n(0,
_utils.default)("DeclaredPredicate", {\n visitor: ["value"],\n aliases: ["Flow", "FlowPredicate"],\n fields: {\n
value: (0, _utils.validateType)("Flow")\n }));\n(0, _utils.default)("ExistsTypeAnnotation", {\n aliases:
["Flow", "FlowType"]\n});\n(0, _utils.default)("FunctionTypeAnnotation", {\n visitor: ["typeParameters",
"params", "rest", "returnType"],\n aliases: ["Flow", "FlowType"],\n fields: {\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n params: (0, _utils.validate)((0,
_utils.arrayOfType)("FunctionTypeParam")), \n rest: (0, _utils.validateOptionalType)("FunctionTypeParam"),\n
returnType: (0, _utils.validateType)("FlowType")\n }));\n(0, _utils.default)("FunctionTypeParam", {\n
visitor: ["name", "typeAnnotation"],\n aliases: ["Flow"],\n fields: {\n name: (0,
_utils.validateOptionalType)("Identifier"),\n
typeAnnotation: (0, _utils.validateType)("FlowType"),\n optional: (0, _utils.validateOptional)((0,
_utils.assertValueType)("boolean"))\n }));\n(0, _utils.default)("GenericTypeAnnotation", {\n visitor: ["id",
"typeParameters"],\n aliases: ["Flow", "FlowType"],\n fields: {\n id: (0, _utils.validateType)(["Identifier",
"QualifiedTypeIdentifier"]),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterInstantiation")\n }));\n(0, _utils.default)("InferredPredicate", {\n
aliases: ["Flow", "FlowPredicate"]\n});\n(0, _utils.default)("InterfaceExtends", {\n visitor: ["id",
"typeParameters"],\n aliases: ["Flow"],\n fields: {\n id: (0, _utils.validateType)(["Identifier",
"QualifiedTypeIdentifier"]),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterInstantiation")\n
}));\n\ndefineInterfaceishType("InterfaceDeclaration");\n(0, _utils.default)("InterfaceTypeAnnotation",
{\n visitor: ["extends", "body"],\n aliases: ["Flow", "FlowType"],\n fields: {\n extends: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("InterfaceExtends")), \n body: (0,
_utils.validateType)("ObjectTypeAnnotation")\n }));\n(0, _utils.default)("IntersectionTypeAnnotation", {\n
visitor: ["types"],\n aliases: ["Flow", "FlowType"],\n fields: {\n types: (0, _utils.validate)((0,
_utils.arrayOfType)("FlowType"))\n }));\n(0, _utils.default)("MixedTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("EmptyTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("NullableTypeAnnotation", {\n visitor:
["typeAnnotation"],\n aliases: ["Flow", "FlowType"],\n fields: {\n typeAnnotation: (0,
_utils.validateType)("FlowType")\n }));\n(0, _utils.default)("NumberLiteralTypeAnnotation", {\n builder:
["value"],\n aliases: ["Flow",
"FlowType"],\n fields: {\n value: (0, _utils.validate)((0, _utils.assertValueType)("number"))\n }));\n(0,
_utils.default)("NumberTypeAnnotation", {\n aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]\n});\n(0,
_utils.default)("ObjectTypeAnnotation", {\n visitor: ["properties", "indexers", "callProperties",
"internalSlots"],\n aliases: ["Flow", "FlowType"],\n builder: ["properties", "indexers", "callProperties",
"internalSlots", "exact"],\n fields: {\n properties: (0, _utils.validate)((0,
_utils.arrayOfType)(["ObjectTypeProperty", "ObjectTypeSpreadProperty"])), \n indexers: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeIndexer")), \n callProperties: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeCallProperty")), \n internalSlots: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeInternalSlot")), \n exact: {\n validate: (0,
_utils.assertValueType)("boolean"),\n
default: false\n }, \n inexact: (0, _utils.validateOptional)((0, _utils.assertValueType)("boolean"))\n
}));\n(0, _utils.default)("ObjectTypeInternalSlot", {\n visitor: ["id", "value", "optional", "static",
"method"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n id: (0,
_utils.validateType)("Identifier"),\n value: (0, _utils.validateType)("FlowType"),\n optional: (0,
_utils.validate)((0, _utils.assertValueType)("boolean")), \n static: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")), \n method: (0, _utils.validate)((0, _utils.assertValueType)("boolean"))\n
}));\n(0, _utils.default)("ObjectTypeCallProperty", {\n visitor: ["value"],\n aliases: ["Flow",

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"UserWhitespacable"],\n fields: {\n value: (0, _utils.validateType)("FlowType"),\n static: (0,
_utils.validate)((0, _utils.assertValueType)("boolean"))\n }\n});\n(0, _utils.default)("ObjectTypeIndexer", {\n
visitor: ["id", "key",
"value", "variance"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n id: (0,
_utils.validateOptionalType)("Identifier"),\n key: (0, _utils.validateType)("FlowType"),\n value: (0,
_utils.validateType)("FlowType"),\n static: (0, _utils.validate)((0, _utils.assertValueType)("boolean")),
variance: (0, _utils.validateOptionalType)("Variance")\n }\n});\n(0, _utils.default)("ObjectTypeProperty", {\n
visitor: ["key", "value", "variance"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n key: (0,
_utils.validateType)("Identifier", "StringLiteral"),\n value: (0, _utils.validateType)("FlowType"),\n kind:
(0, _utils.validate)((0, _utils.assertOneOf)("init", "get", "set")), \n static: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")), \n proto: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n
optional: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n
variance: (0, _utils.validateOptionalType)("Variance")\n }\n});\n(0,
_utils.default)("ObjectTypeSpreadProperty", {\n visitor: ["argument"],\n aliases: ["Flow",
"UserWhitespacable"],\n fields: {\n argument: (0, _utils.validateType)("FlowType")\n }\n});\n(0,
_utils.default)("OpaqueType", {\n visitor: ["id", "typeParameters", "supertype", "impltype"],\n aliases:
["Flow", "FlowDeclaration", "Statement", "Declaration"],\n fields: {\n id: (0,
_utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n supertype: (0,
_utils.validateOptionalType)("FlowType"),\n impltype: (0, _utils.validateType)("FlowType")\n }\n});\n(0,
_utils.default)("QualifiedTypeIdentifier", {\n visitor: ["id", "qualification"],\n aliases: ["Flow"],\n fields: {\n
id: (0, _utils.validateType)("Identifier"),\n qualification: (0, _utils.validateType)("Identifier",
"QualifiedTypeIdentifier")\n }\n});\n(0, _utils.default)("StringLiteralTypeAnnotation", {\n builder: ["value"],\n
aliases: ["Flow", "FlowType"],\n fields: {\n value: (0, _utils.validate)((0, _utils.assertValueType)("string"))\n
}\n});\n(0, _utils.default)("StringTypeAnnotation", {\n aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]\n});\n(0,
_utils.default)("SymbolTypeAnnotation", {\n aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]\n});\n(0,
_utils.default)("ThisTypeAnnotation", {\n aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]\n});\n(0,
_utils.default)("TupleTypeAnnotation", {\n visitor: ["types"],\n aliases: ["Flow", "FlowType"],\n fields: {\n
types: (0, _utils.validate)((0, _utils.arrayOfType)("FlowType"))\n }\n});\n(0,
_utils.default)("TypeofTypeAnnotation", {\n visitor: ["argument"],\n aliases: ["Flow", "FlowType"],\n fields:
{\n argument: (0, _utils.validateType)("FlowType")\n }\n});\n(0, _utils.default)("TypeAlias", {\n
visitor: ["id", "typeParameters", "right"],\n aliases: ["Flow", "FlowDeclaration", "Statement",
"Declaration"],\n fields: {\n id: (0, _utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n right: (0, _utils.validateType)("FlowType")\n
}\n});\n(0, _utils.default)("TypeAnnotation", {\n aliases: ["Flow"],\n visitor: ["typeAnnotation"],\n fields: {\n
typeAnnotation: (0, _utils.validateType)("FlowType")\n }\n});\n(0, _utils.default)("TypeCastExpression", {\n
visitor: ["expression", "typeAnnotation"],\n aliases: ["Flow", "ExpressionWrapper", "Expression"],\n fields:
{\n expression: (0, _utils.validateType)("Expression"),\n typeAnnotation: (0,
_utils.validateType)("TypeAnnotation")\n }\n});\n(0, _utils.default)("TypeParameter", {\n aliases: ["Flow"],\n
visitor: ["bound", "default", "variance"],\n fields: {\n name: (0, _utils.validate)((0,
_utils.assertValueType)("string")), \n bound: (0, _utils.validateOptionalType)("TypeAnnotation"), \n default:
(0, _utils.validateOptionalType)("FlowType"), \n variance: (0, _utils.validateOptionalType)("Variance")\n
}\n});\n(0, _utils.default)("TypeParameterDeclaration", {\n aliases: ["Flow"],\n visitor: ["params"],\n fields:
{\n params: (0, _utils.validate)((0, _utils.arrayOfType)("TypeParameter"))\n }\n});\n(0,
_utils.default)("TypeParameterInstantiation", {\n aliases: ["Flow"],\n visitor: ["params"],\n fields: {\n
params: (0, _utils.validate)((0, _utils.arrayOfType)("FlowType"))\n }\n});\n(0,
_utils.default)("UnionTypeAnnotation", {\n visitor: ["types"],\n aliases: ["Flow", "FlowType"],\n fields: {\n

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_core = require("./core");\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !== "function") return
null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; }; return cache;
}\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof
obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\n(0, _utils.default)(\n"ArgumentPlaceholder",
{});\n\n(0, _utils.default)(\n"BindExpression", {\n visitor: {\n"object",\n"callee"},\n aliases: {\n"Expression"},\n
fields: !process.env.BABEL_TYPES_8_BREAKING ? {\n object: {\n validate: Object.assign(() => {}, {\n
oneOfNodeTypes: {\n"Expression"},\n })\n },\n callee: {\n validate: Object.assign(() => {}, {\n
oneOfNodeTypes: {\n"Expression"},\n })\n }\n } : {\n object: {\n validate: (0,
_utils.assertNodeType)(\n"Expression")\n },\n callee: {\n validate: (0,
_utils.assertNodeType)(\n"Expression")\n }\n }\n});\n\n(0, _utils.default)(\n"ClassProperty", {\n visitor: {\n"key",
"value",\n"typeAnnotation",\n"decorators"},\n builder: {\n"key",\n"value",\n"typeAnnotation",\n"decorators",
"computed",\n"static"},\n aliases: {\n"Property"},\n fields: Object.assign({},
_core.classMethodOrPropertyCommon, {\n value: {\n validate: (0, _utils.assertNodeType)(\n"Expression"),\n
optional: true\n },\n definite: {\n validate: (0, _utils.assertValueType)(\n"boolean"),\n optional: true\n
},\n typeAnnotation: {\n validate: (0, _utils.assertNodeType)(\n"TypeAnnotation",\n"TSTypeAnnotation",
"Noop"),\n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)(\n"array"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\n"Decorator"))),\n optional:
true\n },\n readonly: {\n validate: (0, _utils.assertValueType)(\n"boolean"),\n optional: true\n },\n
declare: {\n validate: (0, _utils.assertValueType)(\n"boolean"),\n optional: true\n }\n }\n});\n\n(0,
_utils.default)(\n"PipelineTopicExpression", {\n builder: {\n"expression"},\n visitor: {\n"expression"},\n fields: {\n
expression: {\n validate: (0, _utils.assertNodeType)(\n"Expression")\n }\n }\n});\n\n(0,
_utils.default)(\n"PipelineBareFunction", {\n builder: {\n"callee"},\n visitor:
{\n"callee"},\n fields: {\n callee: {\n validate: (0, _utils.assertNodeType)(\n"Expression")\n }\n }\n});\n\n(0,
_utils.default)(\n"PipelinePrimaryTopicReference", {\n aliases: {\n"Expression"},\n});\n\n(0,
_utils.default)(\n"ClassPrivateProperty", {\n visitor: {\n"key",\n"value",\n"decorators"},\n builder: {\n"key",
"value",\n"decorators",\n"static"},\n aliases: {\n"Property",\n"Private"},\n fields: {\n key: {\n validate: (0,
_utils.assertNodeType)(\n"PrivateName")\n },\n value: {\n validate: (0,
_utils.assertNodeType)(\n"Expression"),\n optional: true\n },\n decorators: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)(\n"array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)(\n"Decorator"))),\n optional: true\n }\n }\n});\n\n(0,
_utils.default)(\n"ClassPrivateMethod", {\n builder: {\n"kind",\n"key",\n"params",\n"body",\n"static"},\n visitor:
{\n"key",\n"params",\n"body",\n"decorators",\n"returnType",
"typeParameters"},\n aliases: {\n"Function",\n"Scopable",\n"BlockParent",\n"FunctionParent",\n"Method",
"Private"},\n fields: Object.assign({}, _core.classMethodOrDeclareMethodCommon,
_core.functionTypeAnnotationCommon, {\n key: {\n validate: (0, _utils.assertNodeType)(\n"PrivateName")\n
},\n body: {\n validate: (0, _utils.assertNodeType)(\n"BlockStatement")\n }\n }\n});\n\n(0,
_utils.default)(\n"ImportAttribute", {\n visitor: {\n"key",\n"value"},\n fields: {\n key: {\n validate: (0,
_utils.assertNodeType)(\n"Identifier",\n"StringLiteral")\n },\n value: {\n validate: (0,
_utils.assertNodeType)(\n"StringLiteral")\n }\n }\n});\n\n(0, _utils.default)(\n"Decorator", {\n visitor:
{\n"expression"},\n fields: {\n expression: {\n validate: (0, _utils.assertNodeType)(\n"Expression")\n }\n
}\n});\n\n(0, _utils.default)(\n"DoExpression", {\n visitor: {\n"body"},\n aliases: {\n"Expression"},\n fields: {\n
body: {\n

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 validate: (0, _utils.assertNodeType)("BlockStatement")\n }\n }\n});\n(0,
_utils.default)("ExportDefaultSpecifier", {\n visitor: ["exported"],\n aliases: ["ModuleSpecifier"],\n fields: {\n
exported: {\n validate: (0, _utils.assertNodeType)("Identifier")\n }\n }\n});\n(0,
_utils.default)("PrivateName", {\n visitor: ["id"],\n aliases: ["Private"],\n fields: {\n id: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n }\n }\n});\n(0, _utils.default)("RecordExpression", {\n visitor:
["properties"],\n aliases: ["Expression"],\n fields: {\n properties: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("ObjectProperty",
"SpreadElement")))\n }\n }\n});\n(0, _utils.default)("TupleExpression", {\n fields: {\n elements: {\n
validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Expression",
"SpreadElement")))\n }\n default: []\n }\n },\n visitor: ["elements"],\n aliases: ["Expression"]\n});\n(0,
_utils.default)("DecimalLiteral", {\n builder: ["value"],\n fields: {\n value: {\n validate: (0,
_utils.assertValueType)("string")\n }\n },\n aliases: ["Expression", "Pureish", "Literal",
"Immutable"]\n});\n(0, _utils.default)("StaticBlock", {\n visitor: ["body"],\n fields: {\n body: {\n validate:
(0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Statement")))\n }\n },\n aliases: ["Scopable", "BlockParent"]\n});";
"use
strict";\n\nvar _utils = _interopRequireWildcard(require("./utils"));
\n\nvar _core = require("./core");\n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap();
_getRequireWildcardCache = function () { return cache; }; return cache; }\n\nfunction
_interopRequireWildcard(obj)
{ if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !== "object" && typeof obj !==
"function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) {
return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty &&
Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var
desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set))
{ Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache)
{ cache.set(obj, newObj); } return newObj; }\n\nconst bool = (0, _utils.assertValueType)("boolean");
\n\nconst
tSFunctionTypeAnnotationCommon = {\n returnType: {\n validate: (0,
_utils.assertNodeType)("TSTypeAnnotation", "Noop"),\n optional: true\n },\n typeParameters: {\n validate:
(0, _utils.assertNodeType)("TSTypeParameterDeclaration",
"Noop"),\n optional: true\n }\n};\n(0, _utils.default)("TSParameterProperty", {\n aliases: ["LVal"],\n
visitor: ["parameter"],\n fields: {\n accessibility: {\n validate: (0, _utils.assertOneOf)("public", "private",
"protected"),\n optional: true\n },\n readonly: {\n validate: (0, _utils.assertValueType)("boolean"),\n
optional: true\n },\n parameter: {\n validate: (0, _utils.assertNodeType)("Identifier",
"AssignmentPattern")\n }\n }\n});\n(0, _utils.default)("TSDeclareFunction", {\n aliases: ["Statement",
"Declaration"],\n visitor: ["id", "typeParameters", "params", "returnType"],\n fields: Object.assign({},
_core.functionDeclarationCommon, tSFunctionTypeAnnotationCommon)\n});\n(0,
_utils.default)("TSDeclareMethod", {\n visitor: ["decorators", "key", "typeParameters", "params",
"returnType"],\n fields: Object.assign({}, _core.classMethodOrDeclareMethodCommon,
tSFunctionTypeAnnotationCommon)\n});\n(0, _utils.default)("TSQualifiedName", {\n aliases:
["TSEntityName"],\n visitor: ["left", "right"],\n fields: {\n left: (0, _utils.validateType)("TSEntityName"),\n
right: (0, _utils.validateType)("Identifier")\n }\n });\n\nconst signatureDeclarationCommon = {\n typeParameters:
(0, _utils.validateOptionalType)("TSTypeParameterDeclaration"),\n parameters: (0,
_utils.validateArrayOfType)(["Identifier", "RestElement"]),\n typeAnnotation: (0,
_utils.validateOptionalType)("TSTypeAnnotation")\n};\n\nconst callConstructSignatureDeclaration = {\n aliases:
["TSTypeElement"],\n visitor: ["typeParameters", "parameters", "typeAnnotation"],\n fields:
signatureDeclarationCommon\n};\n(0, _utils.default)("TSCallSignatureDeclaration",
callConstructSignatureDeclaration);\n(0, _utils.default)("TSConstructSignatureDeclaration",

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callConstructSignatureDeclaration);\nconst namedTypeElementCommon = {\n key:
(0, _utils.validateType)("Expression"),\n computed: (0, _utils.validate)(bool),\n optional: (0,
_utils.validateOptional)(bool)\n};\n(0, _utils.default)("TSPropertySignature", {\n aliases: ["TSTypeElement"],\n
visitor: ["key", "typeAnnotation", "initializer"],\n fields: Object.assign({}, namedTypeElementCommon, {\n
readonly: (0, _utils.validateOptional)(bool),\n typeAnnotation: (0,
_utils.validateOptionalType)("TSTypeAnnotation"),\n initializer: (0,
_utils.validateOptionalType)("Expression")\n }));\n(0, _utils.default)("TSMethodSignature", {\n aliases:
["TSTypeElement"],\n visitor: ["key", "typeParameters", "parameters", "typeAnnotation"],\n fields:
Object.assign({}, signatureDeclarationCommon, namedTypeElementCommon)\n});\n(0,
_utils.default)("TSIndexSignature", {\n aliases: ["TSTypeElement"],\n visitor: ["parameters",
"typeAnnotation"],\n fields: {\n readonly: (0, _utils.validateOptional)(bool),\n parameters: (0,
_utils.validateArrayOfType)("Identifier"),\n
 typeAnnotation: (0, _utils.validateOptionalType)("TSTypeAnnotation")\n }));\nconst tsKeywordTypes =
["TSAnyKeyword", "TSBooleanKeyword", "TSBigIntKeyword", "TSIntrinsicKeyword",
"TSNeverKeyword", "TSNullKeyword", "TSNumberKeyword", "TSObjectKeyword", "TSStringKeyword",
"TSSymbolKeyword", "TSUndefinedKeyword", "TSUnknownKeyword", "TSVoidKeyword"];\n\nfor (const
type of tsKeywordTypes) {\n (0, _utils.default)(type, {\n aliases: ["TSType", "TSBaseType"],\n visitor: [],\n
fields: {} \n }));\n}\n(0, _utils.default)("TSThisType", {\n aliases: ["TSType", "TSBaseType"],\n visitor: [],\n
fields: {} \n});\nconst fnOrCtr = {\n aliases: ["TSType"],\n visitor: ["typeParameters", "parameters",
"typeAnnotation"],\n fields: signatureDeclarationCommon\n};\n(0, _utils.default)("TSFunctionType",
fnOrCtr);\n(0, _utils.default)("TSConstructorType", fnOrCtr);\n(0, _utils.default)("TSTypeReference",
{\n aliases: ["TSType"],\n visitor: ["typeName", "typeParameters"],\n fields: {\n typeName: (0,
_utils.validateType)("TSEntityName"),\n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterInstantiation")\n } \n});\n(0, _utils.default)("TSTypePredicate",
{\n aliases: ["TSType"],\n visitor: ["parameterName", "typeAnnotation"],\n builder: ["parameterName",
"typeAnnotation", "asserts"],\n fields: {\n parameterName: (0, _utils.validateType)("Identifier",
"TSThisType"),\n typeAnnotation: (0, _utils.validateOptionalType)("TSTypeAnnotation"),\n asserts: (0,
_utils.validateOptional)(bool)\n } \n});\n(0, _utils.default)("TSTypeQuery", {\n aliases: ["TSType"],\n visitor:
["exprName"],\n fields: {\n exprName: (0, _utils.validateType)("TSEntityName", "TSImportType")\n } \n});\n(0, _utils.default)("TSTypeLiteral", {\n aliases: ["TSType"],\n visitor: ["members"],\n fields: {\n
members: (0, _utils.validateArrayOfType)("TSTypeElement")\n } \n});\n(0, _utils.default)("TSArrayType", {\n aliases: ["TSType"],\n visitor: ["elementType"],\n fields: {\n
elementType: (0, _utils.validateType)("TSType")\n } \n});\n(0, _utils.default)("TSTupleType", {\n aliases:
["TSType"],\n visitor: ["elementTypes"],\n fields: {\n elementTypes: (0,
_utils.validateArrayOfType)("TSType", "TSNamedTupleMember")\n } \n});\n(0,
_utils.default)("TSOptionalType", {\n aliases: ["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n
typeAnnotation: (0, _utils.validateType)("TSType")\n } \n});\n(0, _utils.default)("TSRestType", {\n aliases:
["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n typeAnnotation: (0,
_utils.validateType)("TSType")\n } \n});\n(0, _utils.default)("TSNamedTupleMember", {\n visitor: ["label",
"elementType"],\n builder: ["label", "elementType", "optional"],\n fields: {\n label: (0,
_utils.validateType)("Identifier"),\n
 optional: {\n validate: bool,\n default: false\n },\n elementType: (0, _utils.validateType)("TSType")\n } \n});\nconst unionOrIntersection = {\n aliases: ["TSType"],\n visitor: ["types"],\n fields: {\n types: (0,
_utils.validateArrayOfType)("TSType")\n } \n};\n(0, _utils.default)("TSUnionType", unionOrIntersection);\n(0,
_utils.default)("TSIntersectionType", unionOrIntersection);\n(0, _utils.default)("TSConditionalType", {\n aliases: ["TSType"],\n visitor: ["checkType", "extendsType", "trueType", "falseType"],\n fields: {\n
checkType: (0, _utils.validateType)("TSType"),\n extendsType: (0, _utils.validateType)("TSType"),\n
trueType: (0, _utils.validateType)("TSType"),\n falseType: (0, _utils.validateType)("TSType")\n } \n});\n(0,

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_utils.default)("TSInferType", {\n aliases: ["TSType"],\n visitor: ["typeParameter"],\n fields: {\n
typeParameter: (0, _utils.validateType)("TSTypeParameter")\n }));\n(0,
_utils.default)("TSParenthesizedType", {\n aliases: ["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n
typeAnnotation: (0, _utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSTypeOperator", {\n aliases:
["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n operator: (0, _utils.validate)((0,
_utils.assertValueType)("string")), \n typeAnnotation: (0, _utils.validateType)("TSType")\n }));\n(0,
_utils.default)("TSIndexedAccessType", {\n aliases: ["TSType"],\n visitor: ["objectType", "indexType"],\n
fields: {\n objectType: (0, _utils.validateType)("TSType"), \n indexType: (0,
_utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSMappedType", {\n aliases: ["TSType"],\n
visitor: ["typeParameter", "typeAnnotation", "nameType"],\n fields: {\n readonly: (0,
_utils.validateOptional)(bool), \n typeParameter: (0, _utils.validateType)("TSTypeParameter"), \n optional: (0,
_utils.validateOptional)(bool), \n
typeAnnotation: (0, _utils.validateOptionalType)("TSType"), \n nameType: (0,
_utils.validateOptionalType)("TSType")\n }));\n(0, _utils.default)("TSLiteralType", {\n aliases: ["TSType",
"TSBaseType"],\n visitor: ["literal"],\n fields: {\n literal: (0, _utils.validateType)(["NumericLiteral",
"StringLiteral", "BooleanLiteral", "BigIntLiteral"])\n }));\n(0,
_utils.default)("TSExpressionWithTypeArguments", {\n aliases: ["TSType"],\n visitor: ["expression",
"typeParameters"],\n fields: {\n expression: (0, _utils.validateType)("TSEntityName"), \n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterInstantiation")\n }));\n(0,
_utils.default)("TSInterfaceDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"typeParameters", "extends", "body"],\n fields: {\n declare: (0, _utils.validateOptional)(bool), \n id: (0,
_utils.validateType)("Identifier"), \n
typeParameters: (0, _utils.validateOptionalType)("TSTypeParameterDeclaration"), \n extends: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("TSExpressionWithTypeArguments")), \n body: (0,
_utils.validateType)("TSInterfaceBody")\n }));\n(0, _utils.default)("TSInterfaceBody", {\n visitor:
["body"],\n fields: {\n body: (0, _utils.validateArrayOfType)("TSTypeElement")\n }));\n(0,
_utils.default)("TSTypeAliasDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"typeParameters", "typeAnnotation"],\n fields: {\n declare: (0, _utils.validateOptional)(bool), \n id: (0,
_utils.validateType)("Identifier"), \n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterDeclaration"), \n typeAnnotation: (0,
_utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSAsExpression", {\n aliases: ["Expression"],\n
visitor: ["expression", "typeAnnotation"],\n fields: {\n expression: (0, _utils.validateType)("Expression"), \n
typeAnnotation: (0, _utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSTypeAssertion", {\n
aliases: ["Expression"],\n visitor: ["typeAnnotation", "expression"],\n fields: {\n typeAnnotation: (0,
_utils.validateType)("TSType"), \n expression: (0, _utils.validateType)("Expression")\n }));\n(0,
_utils.default)("TSEnumDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"members"],\n fields: {\n declare: (0, _utils.validateOptional)(bool), \n const: (0,
_utils.validateOptional)(bool), \n id: (0, _utils.validateType)("Identifier"), \n members: (0,
_utils.validateArrayOfType)("TSEnumMember"), \n initializer: (0,
_utils.validateOptionalType)("Expression")\n }));\n(0, _utils.default)("TSEnumMember", {\n visitor: ["id",
"initializer"],\n fields: {\n id: (0, _utils.validateType)(["Identifier", "StringLiteral"]), \n initializer: (0,
_utils.validateOptionalType)("Expression")\n
}));\n(0, _utils.default)("TSModuleDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"body"],\n fields: {\n declare: (0, _utils.validateOptional)(bool), \n global: (0, _utils.validateOptional)(bool), \n
id: (0, _utils.validateType)(["Identifier", "StringLiteral"]), \n body: (0,
_utils.validateType)(["TSModuleBlock", "TSModuleDeclaration"])\n }));\n(0,
_utils.default)("TSModuleBlock", {\n aliases: ["Scopable", "Block", "BlockParent"],\n visitor: ["body"],\n
fields: {\n body: (0, _utils.validateArrayOfType)("Statement")\n }));\n(0, _utils.default)("TSImportType",

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assertNullLiteral;\nexports.assertBooleanLiteral = assertBooleanLiteral;\nexports.assertRegExpLiteral =
assertRegExpLiteral;\nexports.assertLogicalExpression =
assertLogicalExpression;\nexports.assertMemberExpression =
assertMemberExpression;\nexports.assertNewExpression = assertNewExpression;\nexports.assertProgram =
assertProgram;\nexports.assertObjectExpression = assertObjectExpression;\nexports.assertObjectMethod =
assertObjectMethod;\nexports.assertObjectProperty = assertObjectProperty;\nexports.assertRestElement =
assertRestElement;\nexports.assertReturnStatement = assertReturnStatement;\nexports.assertSequenceExpression
= assertSequenceExpression;\nexports.assertParenthesizedExpression =
assertParenthesizedExpression;\nexports.assertSwitchCase = assertSwitchCase;\nexports.assertSwitchStatement =
assertSwitchStatement;\nexports.assertThisExpression = assertThisExpression;\nexports.assertThrowStatement =
assertThrowStatement;\nexports.assertTryStatement = assertTryStatement;\nexports.assertUnaryExpression =
assertUnaryExpression;\nexports.assertUpdateExpression =
assertUpdateExpression;\nexports.assertVariableDeclaration =
assertVariableDeclaration;\nexports.assertVariableDeclarator =
assertVariableDeclarator;\nexports.assertWhileStatement = assertWhileStatement;\nexports.assertWithStatement =
assertWithStatement;\nexports.assertAssignmentPattern = assertAssignmentPattern;\nexports.assertArrayPattern =
assertArrayPattern;\nexports.assertArrowFunctionExpression =
assertArrowFunctionExpression;\nexports.assertClassBody = assertClassBody;\nexports.assertClassExpression =
assertClassExpression;\nexports.assertClassDeclaration
= assertClassDeclaration;\nexports.assertExportAllDeclaration =
assertExportAllDeclaration;\nexports.assertExportDefaultDeclaration =
assertExportDefaultDeclaration;\nexports.assertExportNamedDeclaration =
assertExportNamedDeclaration;\nexports.assertExportSpecifier =
assertExportSpecifier;\nexports.assertForOfStatement = assertForOfStatement;\nexports.assertImportDeclaration =
assertImportDeclaration;\nexports.assertImportDefaultSpecifier =
assertImportDefaultSpecifier;\nexports.assertImportNamespaceSpecifier =
assertImportNamespaceSpecifier;\nexports.assertImportSpecifier =
assertImportSpecifier;\nexports.assertMetaProperty = assertMetaProperty;\nexports.assertClassMethod =
assertClassMethod;\nexports.assertObjectPattern = assertObjectPattern;\nexports.assertSpreadElement =
assertSpreadElement;\nexports.assertSuper = assertSuper;\nexports.assertTaggedTemplateExpression =
assertTaggedTemplateExpression;\nexports.assertTemplateElement =
assertTemplateElement;\nexports.assertTemplateLiteral
= assertTemplateLiteral;\nexports.assertYieldExpression = assertYieldExpression;\nexports.assertAwaitExpression
= assertAwaitExpression;\nexports.assertImport = assertImport;\nexports.assertBigIntLiteral =
assertBigIntLiteral;\nexports.assertExportNamespaceSpecifier =
assertExportNamespaceSpecifier;\nexports.assertOptionalMemberExpression =
assertOptionalMemberExpression;\nexports.assertOptionalCallExpression =
assertOptionalCallExpression;\nexports.assertAnyTypeAnnotation =
assertAnyTypeAnnotation;\nexports.assertArrayTypeAnnotation =
assertArrayTypeAnnotation;\nexports.assertBooleanTypeAnnotation =
assertBooleanTypeAnnotation;\nexports.assertBooleanLiteralTypeAnnotation =
assertBooleanLiteralTypeAnnotation;\nexports.assertNullLiteralTypeAnnotation =
assertNullLiteralTypeAnnotation;\nexports.assertClassImplements =
assertClassImplements;\nexports.assertDeclareClass = assertDeclareClass;\nexports.assertDeclareFunction =
assertDeclareFunction;\nexports.assertDeclareInterface
= assertDeclareInterface;\nexports.assertDeclareModule =
assertDeclareModule;\nexports.assertDeclareModuleExports =
assertDeclareModuleExports;\nexports.assertDeclareTypeAlias =

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assertDeclareTypeAlias;\nexports.assertDeclareOpaqueType =
assertDeclareOpaqueType;\nexports.assertDeclareVariable =
assertDeclareVariable;\nexports.assertDeclareExportDeclaration =
assertDeclareExportDeclaration;\nexports.assertDeclareExportAllDeclaration =
assertDeclareExportAllDeclaration;\nexports.assertDeclaredPredicate =
assertDeclaredPredicate;\nexports.assertExistsTypeAnnotation =
assertExistsTypeAnnotation;\nexports.assertFunctionTypeAnnotation =
assertFunctionTypeAnnotation;\nexports.assertFunctionTypeParam =
assertFunctionTypeParam;\nexports.assertGenericTypeAnnotation =
assertGenericTypeAnnotation;\nexports.assertInferredPredicate =
assertInferredPredicate;\nexports.assertInterfaceExtends =
assertInterfaceExtends;\nexports.assertInterfaceDeclaration =
assertInterfaceDeclaration;\nexports.assertInterfaceTypeAnnotation
= assertInterfaceTypeAnnotation;\nexports.assertIntersectionTypeAnnotation =
assertIntersectionTypeAnnotation;\nexports.assertMixedTypeAnnotation =
assertMixedTypeAnnotation;\nexports.assertEmptyTypeAnnotation =
assertEmptyTypeAnnotation;\nexports.assertNullableTypeAnnotation =
assertNullableTypeAnnotation;\nexports.assertNumberLiteralTypeAnnotation =
assertNumberLiteralTypeAnnotation;\nexports.assertNumberTypeAnnotation =
assertNumberTypeAnnotation;\nexports.assertObjectTypeAnnotation =
assertObjectTypeAnnotation;\nexports.assertObjectTypeInternalSlot =
assertObjectTypeInternalSlot;\nexports.assertObjectTypeCallProperty =
assertObjectTypeCallProperty;\nexports.assertObjectTypeIndexer =
assertObjectTypeIndexer;\nexports.assertObjectTypeProperty =
assertObjectTypeProperty;\nexports.assertObjectTypeSpreadProperty =
assertObjectTypeSpreadProperty;\nexports.assertOpaqueType =
assertOpaqueType;\nexports.assertQualifiedTypeIdentifier =
assertQualifiedTypeIdentifier;\nexports.assertStringLiteralTypeAnnotation =
assertStringLiteralTypeAnnotation;\nexports.assertStringTypeAnnotation =
assertStringTypeAnnotation;\nexports.assertSymbolTypeAnnotation =
assertSymbolTypeAnnotation;\nexports.assertThisTypeAnnotation =
assertThisTypeAnnotation;\nexports.assertTupleTypeAnnotation =
assertTupleTypeAnnotation;\nexports.assertTypeofTypeAnnotation =
assertTypeofTypeAnnotation;\nexports.assertTypeAlias = assertTypeAlias;\nexports.assertTypeAnnotation =
assertTypeAnnotation;\nexports.assertTypeCastExpression =
assertTypeCastExpression;\nexports.assertTypeParameter =
assertTypeParameter;\nexports.assertTypeParameterDeclaration =
assertTypeParameterDeclaration;\nexports.assertTypeParameterInstantiation =
assertTypeParameterInstantiation;\nexports.assertUnionTypeAnnotation =
assertUnionTypeAnnotation;\nexports.assertVariance = assertVariance;\nexports.assertVoidTypeAnnotation =
assertVoidTypeAnnotation;\nexports.assertEnumDeclaration =
assertEnumDeclaration;\nexports.assertEnumBooleanBody =
assertEnumBooleanBody;\nexports.assertEnumNumberBody =
assertEnumNumberBody;\nexports.assertEnumStringBody =
assertEnumStringBody;\nexports.assertEnumSymbolBody =
assertEnumSymbolBody;\nexports.assertEnumBooleanMember =
assertEnumBooleanMember;\nexports.assertEnumNumberMember =
assertEnumNumberMember;\nexports.assertEnumStringMember =

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assertEnumStringMember;\nexports.assertEnumDefaultedMember =
assertEnumDefaultedMember;\nexports.assertJSXAttribute =
assertJSXAttribute;\nexports.assertJSXClosingElement = assertJSXClosingElement;\nexports.assertJSXElement =
assertJSXElement;\nexports.assertJSXEmptyExpression =
assertJSXEmptyExpression;\nexports.assertJSXExpressionContainer =
assertJSXExpressionContainer;\nexports.assertJSXSpreadChild =
assertJSXSpreadChild;\nexports.assertJSXIdentifier = assertJSXIdentifier;\nexports.assertJSXMemberExpression =
assertJSXMemberExpression;\nexports.assertJSXNamespacedName =
assertJSXNamespacedName;\nexports.assertJSXOpeningElement
= assertJSXOpeningElement;\nexports.assertJSXSpreadAttribute =
assertJSXSpreadAttribute;\nexports.assertJSXText = assertJSXText;\nexports.assertJSXFragment =
assertJSXFragment;\nexports.assertJSXOpeningFragment =
assertJSXOpeningFragment;\nexports.assertJSXClosingFragment =
assertJSXClosingFragment;\nexports.assertNoop = assertNoop;\nexports.assertPlaceholder =
assertPlaceholder;\nexports.assertV8IntrinsicIdentifier =
assertV8IntrinsicIdentifier;\nexports.assertArgumentPlaceholder =
assertArgumentPlaceholder;\nexports.assertBindExpression = assertBindExpression;\nexports.assertClassProperty =
assertClassProperty;\nexports.assertPipelineTopicExpression =
assertPipelineTopicExpression;\nexports.assertPipelineBareFunction =
assertPipelineBareFunction;\nexports.assertPipelinePrimaryTopicReference =
assertPipelinePrimaryTopicReference;\nexports.assertClassPrivateProperty =
assertClassPrivateProperty;\nexports.assertClassPrivateMethod =
assertClassPrivateMethod;\nexports.assertImportAttribute
= assertImportAttribute;\nexports.assertDecorator = assertDecorator;\nexports.assertDoExpression =
assertDoExpression;\nexports.assertExportDefaultSpecifier =
assertExportDefaultSpecifier;\nexports.assertPrivateName = assertPrivateName;\nexports.assertRecordExpression =
assertRecordExpression;\nexports.assertTupleExpression = assertTupleExpression;\nexports.assertDecimalLiteral =
assertDecimalLiteral;\nexports.assertStaticBlock = assertStaticBlock;\nexports.assertTSParameterProperty =
assertTSParameterProperty;\nexports.assertTSDeclareFunction =
assertTSDeclareFunction;\nexports.assertTSDeclareMethod =
assertTSDeclareMethod;\nexports.assertTSQualifiedName =
assertTSQualifiedName;\nexports.assertTSCallSignatureDeclaration =
assertTSCallSignatureDeclaration;\nexports.assertTSConstructSignatureDeclaration =
assertTSConstructSignatureDeclaration;\nexports.assertTSPropertySignature =
assertTSPropertySignature;\nexports.assertTSMethodSignature =
assertTSMethodSignature;\nexports.assertTSIndexSignature
= assertTSIndexSignature;\nexports.assertTSAnyKeyword =
assertTSAnyKeyword;\nexports.assertTSBooleanKeyword =
assertTSBooleanKeyword;\nexports.assertTSBigIntKeyword =
assertTSBigIntKeyword;\nexports.assertTSIntrinsicKeyword =
assertTSIntrinsicKeyword;\nexports.assertTSNeverKeyword =
assertTSNeverKeyword;\nexports.assertTSNullKeyword =
assertTSNullKeyword;\nexports.assertTSNumberKeyword =
assertTSNumberKeyword;\nexports.assertTSObjectKeyword =
assertTSObjectKeyword;\nexports.assertTSStringKeyword =
assertTSStringKeyword;\nexports.assertTSSymbolKeyword =
assertTSSymbolKeyword;\nexports.assertTSUndefinedKeyword =
assertTSUndefinedKeyword;\nexports.assertTSUnknownKeyword =

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assertTSUnknownKeyword;\nexports.assertTSVoidKeyword = assertTSVoidKeyword;\nexports.assertTSThisType =
= assertTSThisType;\nexports.assertTSFunctionType = assertTSFunctionType;\nexports.assertTSConstructorType =
assertTSConstructorType;\nexports.assertTSTypeReference =
assertTSTypeReference;\nexports.assertTSTypePredicate
= assertTSTypePredicate;\nexports.assertTSTypeQuery = assertTSTypeQuery;\nexports.assertTSTypeLiteral =
assertTSTypeLiteral;\nexports.assertTSArrayType = assertTSArrayType;\nexports.assertTSTupleType =
assertTSTupleType;\nexports.assertTSOptionalType = assertTSOptionalType;\nexports.assertTSRestType =
assertTSRestType;\nexports.assertTSNamedTupleMember =
assertTSNamedTupleMember;\nexports.assertTSUnionType =
assertTSUnionType;\nexports.assertTSIntersectionType =
assertTSIntersectionType;\nexports.assertTSConditionalType =
assertTSConditionalType;\nexports.assertTSInferType = assertTSInferType;\nexports.assertTSParenthesizedType =
assertTSParenthesizedType;\nexports.assertTSTypeOperator =
assertTSTypeOperator;\nexports.assertTSIndexedAccessType =
assertTSIndexedAccessType;\nexports.assertTSMappedType =
assertTSMappedType;\nexports.assertTSLiteralType =
assertTSLiteralType;\nexports.assertTSExpressionWithTypeArguments =
assertTSExpressionWithTypeArguments;\nexports.assertTSInterfaceDeclaration
= assertTSInterfaceDeclaration;\nexports.assertTSInterfaceBody =
assertTSInterfaceBody;\nexports.assertTSTypeAliasDeclaration =
assertTSTypeAliasDeclaration;\nexports.assertTSAsExpression =
assertTSAsExpression;\nexports.assertTSTypeAssertion =
assertTSTypeAssertion;\nexports.assertTSEnumDeclaration =
assertTSEnumDeclaration;\nexports.assertTSEnumMember =
assertTSEnumMember;\nexports.assertTSModuleDeclaration =
assertTSModuleDeclaration;\nexports.assertTSModuleBlock =
assertTSModuleBlock;\nexports.assertTSImportType =
assertTSImportType;\nexports.assertTSImportEqualsDeclaration =
assertTSImportEqualsDeclaration;\nexports.assertTSExternalModuleReference =
assertTSExternalModuleReference;\nexports.assertTSNonNullExpression =
assertTSNonNullExpression;\nexports.assertTSExportAssignment =
assertTSExportAssignment;\nexports.assertTSNamespaceExportDeclaration =
assertTSNamespaceExportDeclaration;\nexports.assertTSTypeAnnotation =
assertTSTypeAnnotation;\nexports.assertTSTypeParameterInstantiation
= assertTSTypeParameterInstantiation;\nexports.assertTSTypeParameterDeclaration =
assertTSTypeParameterDeclaration;\nexports.assertTSTypeParameter =
assertTSTypeParameter;\nexports.assertExpression = assertExpression;\nexports.assertBinary =
assertBinary;\nexports.assertScopable = assertScopable;\nexports.assertBlockParent =
assertBlockParent;\nexports.assertBlock = assertBlock;\nexports.assertStatement =
assertStatement;\nexports.assertTerminatorless = assertTerminatorless;\nexports.assertCompletionStatement =
assertCompletionStatement;\nexports.assertConditional = assertConditional;\nexports.assertLoop =
assertLoop;\nexports.assertWhile = assertWhile;\nexports.assertExpressionWrapper =
assertExpressionWrapper;\nexports.assertFor = assertFor;\nexports.assertForXStatement =
assertForXStatement;\nexports.assertFunction = assertFunction;\nexports.assertFunctionParent =
assertFunctionParent;\nexports.assertPureish = assertPureish;\nexports.assertDeclaration
= assertDeclaration;\nexports.assertPatternLike = assertPatternLike;\nexports.assertLVal =
assertLVal;\nexports.assertTSEntityName = assertTSEntityName;\nexports.assertLiteral =
assertLiteral;\nexports.assertImmutable = assertImmutable;\nexports.assertUserWhitespacable =

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assertUserWhitespacable;\nexports.assertMethod = assertMethod;\nexports.assertObjectMember =
assertObjectMember;\nexports.assertProperty = assertProperty;\nexports.assertUnaryLike =
assertUnaryLike;\nexports.assertPattern = assertPattern;\nexports.assertClass =
assertClass;\nexports.assertModuleDeclaration = assertModuleDeclaration;\nexports.assertExportDeclaration =
assertExportDeclaration;\nexports.assertModuleSpecifier = assertModuleSpecifier;\nexports.assertFlow =
assertFlow;\nexports.assertFlowType = assertFlowType;\nexports.assertFlowBaseAnnotation =
assertFlowBaseAnnotation;\nexports.assertFlowDeclaration = assertFlowDeclaration;\nexports.assertFlowPredicate
= assertFlowPredicate;\nexports.assertEnumBody
= assertEnumBody;\nexports.assertEnumMember = assertEnumMember;\nexports.assertJSX =
assertJSX;\nexports.assertPrivate = assertPrivate;\nexports.assertTSTypeElement =
assertTSTypeElement;\nexports.assertTSType = assertTSType;\nexports.assertTSBaseType =
assertTSBaseType;\nexports.assertNumberLiteral = assertNumberLiteral;\nexports.assertRegexLiteral =
assertRegexLiteral;\nexports.assertRestProperty = assertRestProperty;\nexports.assertSpreadProperty =
assertSpreadProperty;\n\nvar _is = _interopRequireDefault(require("../validators/is"));
\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }
\nfunction assert(type,
node, opts) {\n if (!(!0, _is.default)(type, node, opts)) {\n throw new Error(`Expected type \"${type}\" with option
${JSON.stringify(opts)}, ` + `but instead got \"${node.type}\".`);\n }
\n}\n\nfunction assertArrayExpression(node,
opts = {}) {\n assert("ArrayExpression", node, opts);\n}\n\nfunction
assertAssignmentExpression(node, opts = {}) {\n assert("AssignmentExpression", node, opts);\n}\n\nfunction
assertBinaryExpression(node, opts = {}) {\n assert("BinaryExpression", node, opts);\n}\n\nfunction
assertInterpreterDirective(node, opts = {}) {\n assert("InterpreterDirective", node, opts);\n}\n\nfunction
assertDirective(node, opts = {}) {\n assert("Directive", node, opts);\n}\n\nfunction assertDirectiveLiteral(node,
opts = {}) {\n assert("DirectiveLiteral", node, opts);\n}\n\nfunction assertBlockStatement(node, opts = {}) {\n
assert("BlockStatement", node, opts);\n}\n\nfunction assertBreakStatement(node, opts = {}) {\n
assert("BreakStatement", node, opts);\n}\n\nfunction assertCallExpression(node, opts = {}) {\n
assert("CallExpression", node, opts);\n}\n\nfunction assertCatchClause(node, opts = {}) {\n
assert("CatchClause", node, opts);\n}\n\nfunction assertConditionalExpression(node, opts = {}) {\n
assert("ConditionalExpression", node, opts);\n}\n\nfunction
assertContinueStatement(node, opts = {}) {\n assert("ContinueStatement", node, opts);\n}\n\nfunction
assertDebuggerStatement(node, opts = {}) {\n assert("DebuggerStatement", node, opts);\n}\n\nfunction
assertDoWhileStatement(node, opts = {}) {\n assert("DoWhileStatement", node, opts);\n}\n\nfunction
assertEmptyStatement(node, opts = {}) {\n assert("EmptyStatement", node, opts);\n}\n\nfunction
assertExpressionStatement(node, opts = {}) {\n assert("ExpressionStatement", node, opts);\n}\n\nfunction
assertFile(node, opts = {}) {\n assert("File", node, opts);\n}\n\nfunction assertForInStatement(node, opts = {}) {\n
assert("ForInStatement", node, opts);\n}\n\nfunction assertForStatement(node, opts = {}) {\n
assert("ForStatement", node, opts);\n}\n\nfunction assertFunctionDeclaration(node, opts = {}) {\n
assert("FunctionDeclaration", node, opts);\n}\n\nfunction assertFunctionExpression(node, opts = {}) {\n
assert("FunctionExpression", node, opts);\n}\n\nfunction
assertIdentifier(node, opts = {}) {\n assert("Identifier", node, opts);\n}\n\nfunction assertIfStatement(node, opts =
{}) {\n assert("IfStatement", node, opts);\n}\n\nfunction assertLabeledStatement(node, opts = {}) {\n
assert("LabeledStatement", node, opts);\n}\n\nfunction assertStringLiteral(node, opts = {}) {\n
assert("StringLiteral", node, opts);\n}\n\nfunction assertNumericLiteral(node, opts = {}) {\n
assert("NumericLiteral", node, opts);\n}\n\nfunction assertNullLiteral(node, opts = {}) {\n assert("NullLiteral",
node, opts);\n}\n\nfunction assertBooleanLiteral(node, opts = {}) {\n assert("BooleanLiteral", node,
opts);\n}\n\nfunction assertRegExpLiteral(node, opts = {}) {\n assert("RegExpLiteral", node,
opts);\n}\n\nfunction assertLogicalExpression(node, opts = {}) {\n assert("LogicalExpression", node,
opts);\n}\n\nfunction assertMemberExpression(node, opts = {}) {\n assert("MemberExpression", node,
opts);\n}\n\nfunction assertNewExpression(node,

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 opts = {}) {\n assert(\"NewExpression\", node, opts);\n}\n\nfunction assertProgram(node, opts = {}) {\n
 assert(\"Program\", node, opts);\n}\n\nfunction assertObjectExpression(node, opts = {}) {\n
 assert(\"ObjectExpression\", node, opts);\n}\n\nfunction assertObjectMethod(node, opts = {}) {\n
 assert(\"ObjectMethod\", node, opts);\n}\n\nfunction assertObjectProperty(node, opts = {}) {\n
 assert(\"ObjectProperty\", node, opts);\n}\n\nfunction assertRestElement(node, opts = {}) {\n
 assert(\"RestElement\", node, opts);\n}\n\nfunction assertReturnStatement(node, opts = {}) {\n
 assert(\"ReturnStatement\", node, opts);\n}\n\nfunction assertSequenceExpression(node, opts = {}) {\n
 assert(\"SequenceExpression\", node, opts);\n}\n\nfunction assertParenthesizedExpression(node, opts = {}) {\n
 assert(\"ParenthesizedExpression\", node, opts);\n}\n\nfunction assertSwitchCase(node, opts = {}) {\n
 assert(\"SwitchCase\", node, opts);\n}\n\nfunction assertSwitchStatement(node, opts = {}) {\n
 assert(\"SwitchStatement\", node, opts);\n}\n\nfunction assertThisExpression(node, opts = {}) {\n
 assert(\"ThisExpression\", node, opts);\n}\n\nfunction assertThrowStatement(node, opts = {}) {\n
 assert(\"ThrowStatement\", node, opts);\n}\n\nfunction assertTryStatement(node, opts = {}) {\n
 assert(\"TryStatement\", node, opts);\n}\n\nfunction assertUnaryExpression(node, opts = {}) {\n
 assert(\"UnaryExpression\", node, opts);\n}\n\nfunction assertUpdateExpression(node, opts = {}) {\n
 assert(\"UpdateExpression\", node, opts);\n}\n\nfunction assertVariableDeclaration(node, opts = {}) {\n
 assert(\"VariableDeclaration\", node, opts);\n}\n\nfunction assertVariableDeclarator(node, opts = {}) {\n
 assert(\"VariableDeclarator\", node, opts);\n}\n\nfunction assertWhileStatement(node, opts = {}) {\n
 assert(\"WhileStatement\", node, opts);\n}\n\nfunction assertWithStatement(node, opts = {}) {\n
 assert(\"WithStatement\", node, opts);\n}\n\nfunction assertAssignmentPattern(node, opts = {})\n
 {\n assert(\"AssignmentPattern\", node, opts);\n}\n\nfunction assertArrayPattern(node, opts = {})\n
 {\n assert(\"ArrayPattern\", node, opts);\n}\n\nfunction assertArrowFunctionExpression(node, opts = {})\n
 {\n assert(\"ArrowFunctionExpression\", node, opts);\n}\n\nfunction assertClassBody(node, opts = {})\n
 {\n assert(\"ClassBody\", node, opts);\n}\n\nfunction assertClassExpression(node, opts = {})\n
 {\n assert(\"ClassExpression\", node, opts);\n}\n\nfunction assertClassDeclaration(node, opts = {})\n
 {\n assert(\"ClassDeclaration\", node, opts);\n}\n\nfunction assertExportAllDeclaration(node, opts = {})\n
 {\n assert(\"ExportAllDeclaration\", node, opts);\n}\n\nfunction assertExportDefaultDeclaration(node, opts = {})\n
 {\n assert(\"ExportDefaultDeclaration\", node, opts);\n}\n\nfunction assertExportNamedDeclaration(node, opts = {})\n
 {\n assert(\"ExportNamedDeclaration\", node, opts);\n}\n\nfunction assertExportSpecifier(node, opts = {})\n
 {\n assert(\"ExportSpecifier\", node, opts);\n}\n\nfunction\n
 assertForOfStatement(node, opts = {})\n
 {\n assert(\"ForOfStatement\", node, opts);\n}\n\nfunction\n
 assertImportDeclaration(node, opts = {})\n
 {\n assert(\"ImportDeclaration\", node, opts);\n}\n\nfunction\n
 assertImportDefaultSpecifier(node, opts = {})\n
 {\n assert(\"ImportDefaultSpecifier\", node, opts);\n}\n\nfunction\n
 assertImportNamespaceSpecifier(node, opts = {})\n
 {\n assert(\"ImportNamespaceSpecifier\", node,\n
 opts);\n}\n\nfunction assertImportSpecifier(node, opts = {})\n
 {\n assert(\"ImportSpecifier\", node,\n
 opts);\n}\n\nfunction assertMetaProperty(node, opts = {})\n
 {\n assert(\"MetaProperty\", node, opts);\n}\n\nfunction\n
 assertClassMethod(node, opts = {})\n
 {\n assert(\"ClassMethod\", node, opts);\n}\n\nfunction\n
 assertObjectPattern(node, opts = {})\n
 {\n assert(\"ObjectPattern\", node, opts);\n}\n\nfunction\n
 assertSpreadElement(node, opts = {})\n
 {\n assert(\"SpreadElement\", node, opts);\n}\n\nfunction assertSuper(node,\n
 opts = {})\n
 {\n assert(\"Super\", node, opts);\n}\n\nfunction assertTaggedTemplateExpression(node,\n
 opts = {})\n
 {\n assert(\"TaggedTemplateExpression\", node, opts);\n}\n\nfunction assertTemplateElement(node,\n
 opts = {})\n
 {\n assert(\"TemplateElement\", node, opts);\n}\n\nfunction assertTemplateLiteral(node, opts = {})\n
 {\n assert(\"TemplateLiteral\", node, opts);\n}\n\nfunction assertYieldExpression(node, opts = {})\n
 {\n assert(\"YieldExpression\", node, opts);\n}\n\nfunction assertAwaitExpression(node, opts = {})\n
 {\n assert(\"AwaitExpression\", node, opts);\n}\n\nfunction assertImport(node, opts = {})\n
 {\n assert(\"Import\", node,\n
 opts);\n}\n\nfunction assertBigIntLiteral(node, opts = {})\n
 {\n assert(\"BigIntLiteral\", node, opts);\n}\n\nfunction\n
 assertExportNamespaceSpecifier(node, opts = {})\n
 {\n assert(\"ExportNamespaceSpecifier\", node,\n
 opts);\n}\n\nfunction assertOptionalMemberExpression(node, opts = {})\n
 {\n assert(\"OptionalMemberExpression\",

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node, opts);\n\nfunction assertOptionalCallExpression(node, opts = {}) {\n assert(\"OptionalCallExpression\", node, opts);\n}\n\nfunction assertAnyTypeAnnotation(node, opts = {}) {\n assert(\"AnyTypeAnnotation\", node, opts);\n}\n\nfunction assertArrayTypeAnnotation(node, opts = {}) {\n assert(\"ArrayTypeAnnotation\", node, opts);\n}\n\nfunction assertBooleanTypeAnnotation(node, opts = {}) {\n assert(\"BooleanTypeAnnotation\", node, opts);\n}\n\nfunction assertBooleanLiteralTypeAnnotation(node, opts = {}) {\n assert(\"BooleanLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertNullLiteralTypeAnnotation(node, opts = {}) {\n assert(\"NullLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertClassImplements(node, opts = {}) {\n assert(\"ClassImplements\", node, opts);\n}\n\nfunction assertDeclareClass(node, opts = {}) {\n assert(\"DeclareClass\", node, opts);\n}\n\nfunction assertDeclareFunction(node, opts = {}) {\n assert(\"DeclareFunction\", node, opts);\n}\n\nfunction assertDeclareInterface(node, opts = {}) {\n assert(\"DeclareInterface\", node, opts);\n}\n\nfunction assertDeclareModule(node, opts = {}) {\n assert(\"DeclareModule\", node, opts);\n}\n\nfunction assertDeclareModuleExports(node, opts = {}) {\n assert(\"DeclareModuleExports\", node, opts);\n}\n\nfunction assertDeclareTypeAlias(node, opts = {}) {\n assert(\"DeclareTypeAlias\", node, opts);\n}\n\nfunction assertDeclareOpaqueType(node, opts = {}) {\n assert(\"DeclareOpaqueType\", node, opts);\n}\n\nfunction assertDeclareVariable(node, opts = {}) {\n assert(\"DeclareVariable\", node, opts);\n}\n\nfunction assertDeclareExportDeclaration(node, opts = {}) {\n assert(\"DeclareExportDeclaration\", node, opts);\n}\n\nfunction assertDeclareExportAllDeclaration(node, opts = {}) {\n assert(\"DeclareExportAllDeclaration\", node, opts);\n}\n\nfunction assertDeclaredPredicate(node, opts = {}) {\n assert(\"DeclaredPredicate\", node, opts);\n}\n\nfunction assertExistsTypeAnnotation(node, opts = {}) {\n assert(\"ExistsTypeAnnotation\", node, opts);\n}\n\nfunction assertFunctionTypeAnnotation(node, opts = {}) {\n assert(\"FunctionTypeAnnotation\", node, opts);\n}\n\nfunction assertFunctionTypeParam(node, opts = {}) {\n assert(\"FunctionTypeParam\", node, opts);\n}\n\nfunction assertGenericTypeAnnotation(node, opts = {}) {\n assert(\"GenericTypeAnnotation\", node, opts);\n}\n\nfunction assertInferredPredicate(node, opts = {}) {\n assert(\"InferredPredicate\", node, opts);\n}\n\nfunction assertInterfaceExtends(node, opts = {}) {\n assert(\"InterfaceExtends\", node, opts);\n}\n\nfunction assertInterfaceDeclaration(node, opts = {}) {\n assert(\"InterfaceDeclaration\", node, opts);\n}\n\nfunction assertInterfaceTypeAnnotation(node, opts = {}) {\n assert(\"InterfaceTypeAnnotation\", node, opts);\n}\n\nfunction assertIntersectionTypeAnnotation(node, opts = {}) {\n assert(\"IntersectionTypeAnnotation\", node, opts);\n}\n\nfunction assertMixedTypeAnnotation(node, opts = {}) {\n assert(\"MixedTypeAnnotation\", node, opts);\n}\n\nfunction assertEmptyTypeAnnotation(node, opts = {}) {\n assert(\"EmptyTypeAnnotation\", node, opts);\n}\n\nfunction assertNullableTypeAnnotation(node, opts = {}) {\n assert(\"NullableTypeAnnotation\", node, opts);\n}\n\nfunction assertNumberLiteralTypeAnnotation(node, opts = {}) {\n assert(\"NumberLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertNumberTypeAnnotation(node, opts = {}) {\n assert(\"NumberTypeAnnotation\", node, opts);\n}\n\nfunction assertObjectTypeAnnotation(node, opts = {}) {\n assert(\"ObjectTypeAnnotation\", node, opts);\n}\n\nfunction assertObjectTypeInternalSlot(node, opts = {}) {\n assert(\"ObjectTypeInternalSlot\", node, opts);\n}\n\nfunction assertObjectTypeCallProperty(node, opts = {}) {\n assert(\"ObjectTypeCallProperty\", node, opts);\n}\n\nfunction assertObjectTypeIndexer(node, opts = {}) {\n assert(\"ObjectTypeIndexer\", node, opts);\n}\n\nfunction assertObjectTypeProperty(node, opts = {}) {\n assert(\"ObjectTypeProperty\", node, opts);\n}\n\nfunction assertObjectTypeSpreadProperty(node, opts = {}) {\n assert(\"ObjectTypeSpreadProperty\", node, opts);\n}\n\nfunction assertOpaqueType(node, opts = {}) {\n assert(\"OpaqueType\", node, opts);\n}\n\nfunction assertQualifiedTypeIdentifier(node, opts = {}) {\n assert(\"QualifiedTypeIdentifier\", node, opts);\n}\n\nfunction assertStringLiteralTypeAnnotation(node, opts = {}) {\n assert(\"StringLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertStringTypeAnnotation(node, opts = {}) {\n assert(\"StringTypeAnnotation\", node, opts);\n}\n\nfunction assertSymbolTypeAnnotation(node, opts = {}) {\n assert(\"SymbolTypeAnnotation\", node, opts);\n}\n\nfunction assertThisTypeAnnotation(node, opts = {}) {\n assert(\"ThisTypeAnnotation\", node, opts);\n}\n\nfunction assertTupleTypeAnnotation(node, opts = {}) {\n assert(\"TupleTypeAnnotation\", node, opts);\n}\n\nfunction assertTypeofTypeAnnotation(node, opts = {}) {\n assert(\"TypeofTypeAnnotation\", node, opts);\n}\n}

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assert("TypeofTypeAnnotation", node, opts);\n\nfunction assertTypeAlias(node, opts = {}) {\n
 assert("TypeAlias", node, opts);\n}\n\nfunction assertTypeAnnotation(node, opts = {}) {\n
 assert("TypeAnnotation", node, opts);\n}\n\nfunction assertTypeCastExpression(node, opts = {}) {\n
 assert("TypeCastExpression", node, opts);\n}\n\nfunction assertTypeParameter(node, opts = {}) {\n
 assert("TypeParameter", node, opts);\n}\n\nfunction assertTypeParameterDeclaration(node, opts = {}) {\n
 assert("TypeParameterDeclaration", node, opts);\n}\n\nfunction assertTypeParameterInstantiation(node, opts = {}) {\n
 assert("TypeParameterInstantiation", node, opts);\n}\n\nfunction assertUnionTypeAnnotation(node, opts = {}) {\n
 assert("UnionTypeAnnotation", node, opts);\n}\n\nfunction assertVariance(node, opts = {}) {\n
 assert("Variance", node, opts);\n}\n\nfunction assertVoidTypeAnnotation(node, opts = {}) {\n
 assert("VoidTypeAnnotation", node, opts);\n}\n\nfunction assertEnumDeclaration(node, opts = {}) {\n
 assert("EnumDeclaration", node, opts);\n}\n\nfunction assertEnumBooleanBody(node,
 opts = {}) {\n
 assert("EnumBooleanBody", node, opts);\n}\n\nfunction assertEnumNumberBody(node, opts = {}) {\n
 assert("EnumNumberBody", node, opts);\n}\n\nfunction assertEnumStringBody(node, opts = {}) {\n
 assert("EnumStringBody", node, opts);\n}\n\nfunction assertEnumSymbolBody(node, opts = {}) {\n
 assert("EnumSymbolBody", node, opts);\n}\n\nfunction assertEnumBooleanMember(node, opts = {}) {\n
 assert("EnumBooleanMember", node, opts);\n}\n\nfunction assertEnumNumberMember(node, opts = {}) {\n
 assert("EnumNumberMember", node, opts);\n}\n\nfunction assertEnumStringMember(node, opts = {}) {\n
 assert("EnumStringMember", node, opts);\n}\n\nfunction assertEnumDefaultedMember(node, opts = {}) {\n
 assert("EnumDefaultedMember", node, opts);\n}\n\nfunction assertJSXAttribute(node, opts = {}) {\n
 assert("JSXAttribute", node, opts);\n}\n\nfunction assertJSXClosingElement(node, opts = {}) {\n
 assert("JSXClosingElement", node, opts);\n}\n\nfunction
 assertJSXElement(node, opts = {}) {\n
 assert("JSXElement", node, opts);\n}\n\nfunction
 assertJSXEmptyExpression(node, opts = {}) {\n
 assert("JSXEmptyExpression", node, opts);\n}\n\nfunction
 assertJSXExpressionContainer(node, opts = {}) {\n
 assert("JSXExpressionContainer", node, opts);\n}\n\nfunction
 assertJSXSpreadChild(node, opts = {}) {\n
 assert("JSXSpreadChild", node, opts);\n}\n\nfunction
 assertJSXIdentifier(node, opts = {}) {\n
 assert("JSXIdentifier", node, opts);\n}\n\nfunction
 assertJSXMemberExpression(node, opts = {}) {\n
 assert("JSXMemberExpression", node, opts);\n}\n\nfunction
 assertJSXNamespacedName(node, opts = {}) {\n
 assert("JSXNamespacedName", node, opts);\n}\n\nfunction
 assertJSXOpeningElement(node, opts = {}) {\n
 assert("JSXOpeningElement", node, opts);\n}\n\nfunction
 assertJSXSpreadAttribute(node, opts = {}) {\n
 assert("JSXSpreadAttribute", node, opts);\n}\n\nfunction
 assertJSXText(node, opts = {}) {\n
 assert("JSXText", node, opts);\n}\n\nfunction
 assertJSXFragment(node, opts = {}) {\n
 assert("JSXFragment", node, opts);\n}\n\nfunction
 assertJSXOpeningFragment(node, opts = {}) {\n
 assert("JSXOpeningFragment", node, opts);\n}\n\nfunction
 assertJSXClosingFragment(node, opts = {}) {\n
 assert("JSXClosingFragment", node, opts);\n}\n\nfunction
 assertNoop(node, opts = {}) {\n
 assert("Noop", node, opts);\n}\n\nfunction assertPlaceholder(node, opts = {}) {\n
 assert("Placeholder", node, opts);\n}\n\nfunction assertV8IntrinsicIdentifier(node, opts = {}) {\n
 assert("V8IntrinsicIdentifier", node, opts);\n}\n\nfunction assertArgumentPlaceholder(node, opts = {}) {\n
 assert("ArgumentPlaceholder", node, opts);\n}\n\nfunction assertBindExpression(node, opts = {}) {\n
 assert("BindExpression", node, opts);\n}\n\nfunction assertClassProperty(node, opts = {}) {\n
 assert("ClassProperty", node, opts);\n}\n\nfunction assertPipelineTopicExpression(node, opts = {}) {\n
 assert("PipelineTopicExpression", node, opts);\n}\n\nfunction
 assertPipelineBareFunction(node, opts = {}) {\n
 assert("PipelineBareFunction", node, opts);\n}\n\nfunction
 assertPipelinePrimaryTopicReference(node, opts = {}) {\n
 assert("PipelinePrimaryTopicReference", node,
 opts);\n}\n\nfunction assertClassPrivateProperty(node, opts = {}) {\n
 assert("ClassPrivateProperty", node,
 opts);\n}\n\nfunction assertClassPrivateMethod(node, opts = {}) {\n
 assert("ClassPrivateMethod", node,
 opts);\n}\n\nfunction assertImportAttribute(node, opts = {}) {\n
 assert("ImportAttribute", node,
 opts);\n}\n\nfunction assertDecorator(node, opts = {}) {\n
 assert("Decorator", node, opts);\n}\n\nfunction
 assertDoExpression(node, opts = {}) {\n
 assert("DoExpression", node, opts);\n}\n\nfunction

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assertExportDefaultSpecifier(node, opts = {}) {\n assert(\"ExportDefaultSpecifier\", node, opts);\n}\n\nfunction
assertPrivateName(node, opts = {}) {\n assert(\"PrivateName\", node, opts);\n}\n\nfunction
assertRecordExpression(node, opts = {}) {\n
 assert(\"RecordExpression\", node, opts);\n}\n\nfunction assertTupleExpression(node, opts = {}) {\n
assert(\"TupleExpression\", node, opts);\n}\n\nfunction assertDecimalLiteral(node, opts = {}) {\n
assert(\"DecimalLiteral\", node, opts);\n}\n\nfunction assertStaticBlock(node, opts = {}) {\n assert(\"StaticBlock\",
node, opts);\n}\n\nfunction assertTSParameterProperty(node, opts = {}) {\n assert(\"TSParameterProperty\", node,
opts);\n}\n\nfunction assertTSDeclareFunction(node, opts = {}) {\n assert(\"TSDeclareFunction\", node,
opts);\n}\n\nfunction assertTSDeclareMethod(node, opts = {}) {\n assert(\"TSDeclareMethod\", node,
opts);\n}\n\nfunction assertTSQualifiedName(node, opts = {}) {\n assert(\"TSQualifiedName\", node,
opts);\n}\n\nfunction assertTSCallSignatureDeclaration(node, opts = {}) {\n assert(\"TSCallSignatureDeclaration\",
node, opts);\n}\n\nfunction assertTSConstructSignatureDeclaration(node, opts = {}) {\n
assert(\"TSConstructSignatureDeclaration\", node, opts);\n}\n\nfunction
assertTSPropertySignature(node, opts = {}) {\n assert(\"TSPropertySignature\", node, opts);\n}\n\nfunction
assertTSMethodSignature(node, opts = {}) {\n assert(\"TSMethodSignature\", node, opts);\n}\n\nfunction
assertTSIndexSignature(node, opts = {}) {\n assert(\"TSIndexSignature\", node, opts);\n}\n\nfunction
assertTSAnyKeyword(node, opts = {}) {\n assert(\"TSAnyKeyword\", node, opts);\n}\n\nfunction
assertTSBooleanKeyword(node, opts = {}) {\n assert(\"TSBooleanKeyword\", node, opts);\n}\n\nfunction
assertTSBigIntKeyword(node, opts = {}) {\n assert(\"TSBigIntKeyword\", node, opts);\n}\n\nfunction
assertTSIntrinsicKeyword(node, opts = {}) {\n assert(\"TSIntrinsicKeyword\", node, opts);\n}\n\nfunction
assertTSNeverKeyword(node, opts = {}) {\n assert(\"TSNeverKeyword\", node, opts);\n}\n\nfunction
assertTSNullKeyword(node, opts = {}) {\n assert(\"TSNullKeyword\", node, opts);\n}\n\nfunction
assertTSNumberKeyword(node, opts = {}) {\n assert(\"TSNumberKeyword\", node,
opts);\n}\n\nfunction assertTSObjectKeyword(node, opts = {}) {\n assert(\"TSObjectKeyword\", node,
opts);\n}\n\nfunction assertTSStringKeyword(node, opts = {}) {\n assert(\"TSStringKeyword\", node,
opts);\n}\n\nfunction assertTSSymbolKeyword(node, opts = {}) {\n assert(\"TSSymbolKeyword\", node,
opts);\n}\n\nfunction assertTSUndefinedKeyword(node, opts = {}) {\n assert(\"TSUndefinedKeyword\", node,
opts);\n}\n\nfunction assertTSUnknownKeyword(node, opts = {}) {\n assert(\"TSUnknownKeyword\", node,
opts);\n}\n\nfunction assertTSVoidKeyword(node, opts = {}) {\n assert(\"TSVoidKeyword\", node,
opts);\n}\n\nfunction assertTSThisType(node, opts = {}) {\n assert(\"TSThisType\", node, opts);\n}\n\nfunction
assertTSFunctionType(node, opts = {}) {\n assert(\"TSFunctionType\", node, opts);\n}\n\nfunction
assertTSConstructorType(node, opts = {}) {\n assert(\"TSConstructorType\", node, opts);\n}\n\nfunction
assertTSTypeReference(node, opts = {}) {\n assert(\"TSTypeReference\", node,
opts);\n}\n\nfunction assertTSTypePredicate(node, opts = {}) {\n assert(\"TSTypePredicate\", node,
opts);\n}\n\nfunction assertTSTypeQuery(node, opts = {}) {\n assert(\"TSTypeQuery\", node, opts);\n}\n\nfunction
assertTSTypeLiteral(node, opts = {}) {\n assert(\"TSTypeLiteral\", node, opts);\n}\n\nfunction
assertTSArrayType(node, opts = {}) {\n assert(\"TSArrayType\", node, opts);\n}\n\nfunction
assertTSTupleType(node, opts = {}) {\n assert(\"TSTupleType\", node, opts);\n}\n\nfunction
assertTSOptionalType(node, opts = {}) {\n assert(\"TSOptionalType\", node, opts);\n}\n\nfunction
assertTSRestType(node, opts = {}) {\n assert(\"TSRestType\", node, opts);\n}\n\nfunction
assertTSNamedTupleMember(node, opts = {}) {\n assert(\"TSNamedTupleMember\", node, opts);\n}\n\nfunction
assertTSUnionType(node, opts = {}) {\n assert(\"TSUnionType\", node, opts);\n}\n\nfunction
assertTSIntersectionType(node, opts = {}) {\n assert(\"TSIntersectionType\", node, opts);\n}\n\nfunction
assertTSConditionalType(node,
opts = {}) {\n assert(\"TSConditionalType\", node, opts);\n}\n\nfunction assertTSInferType(node, opts = {}) {\n
assert(\"TSInferType\", node, opts);\n}\n\nfunction assertTSParenthesizedType(node, opts = {}) {\n
assert(\"TSParenthesizedType\", node, opts);\n}\n\nfunction assertTSTypeOperator(node, opts = {}) {\n
assert(\"TSTypeOperator\", node, opts);\n}\n\nfunction assertTSIndexedAccessType(node, opts = {}) {\n

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assert("TSIndexedAccessType", node, opts);\n\nfunction assertTSMappedType(node, opts = {}) {\n
assert("TSMappedType", node, opts);\n\nfunction assertTSLiteralType(node, opts = {}) {\n
assert("TSLiteralType", node, opts);\n\nfunction assertTSExpressionWithTypeArguments(node, opts = {}) {\n
assert("TSExpressionWithTypeArguments", node, opts);\n\nfunction assertTSInterfaceDeclaration(node, opts =
{}) {\n assert("TSInterfaceDeclaration", node, opts);\n\nfunction assertTSInterfaceBody(node, opts = {}) {\n
assert("TSInterfaceBody",
 node, opts);\n\nfunction assertTSTypeAliasDeclaration(node, opts = {}) {\n assert("TSTypeAliasDeclaration",
node, opts);\n\nfunction assertTSAsExpression(node, opts = {}) {\n assert("TSAsExpression", node,
opts);\n\nfunction assertTSTypeAssertion(node, opts = {}) {\n assert("TSTypeAssertion", node,
opts);\n\nfunction assertTSEnumDeclaration(node, opts = {}) {\n assert("TSEnumDeclaration", node,
opts);\n\nfunction assertTSEnumMember(node, opts = {}) {\n assert("TSEnumMember", node,
opts);\n\nfunction assertTSMODULEDeclaration(node, opts = {}) {\n assert("TSMODULEDeclaration", node,
opts);\n\nfunction assertTSMODULEBlock(node, opts = {}) {\n assert("TSMODULEBlock", node,
opts);\n\nfunction assertTSImportType(node, opts = {}) {\n assert("TSImportType", node,
opts);\n\nfunction assertTSImportEqualsDeclaration(node, opts = {}) {\n assert("TSImportEqualsDeclaration",
node, opts);\n\nfunction assertTSExternalModuleReference(node, opts =
 {}) {\n assert("TSExternalModuleReference", node, opts);\n\nfunction assertTSNonNullExpression(node, opts
= {}) {\n assert("TSNonNullExpression", node, opts);\n\nfunction assertTSExportAssignment(node, opts = {})
{\n assert("TSExportAssignment", node, opts);\n\nfunction assertTSNamespaceExportDeclaration(node, opts =
{}) {\n assert("TSNamespaceExportDeclaration", node, opts);\n\nfunction assertTSTypeAnnotation(node, opts
= {}) {\n assert("TSTypeAnnotation", node, opts);\n\nfunction assertTSTypeParameterInstantiation(node, opts
= {}) {\n assert("TSTypeParameterInstantiation", node, opts);\n\nfunction
assertTSTypeParameterDeclaration(node, opts = {}) {\n assert("TSTypeParameterDeclaration", node,
opts);\n\nfunction assertTSTypeParameter(node, opts = {}) {\n assert("TSTypeParameter", node,
opts);\n\nfunction assertExpression(node, opts = {}) {\n assert("Expression", node, opts);\n\nfunction
assertBinary(node, opts = {}) {\n assert("Binary",
 node, opts);\n\nfunction assertScopable(node, opts = {}) {\n assert("Scopable", node, opts);\n\nfunction
assertBlockParent(node, opts = {}) {\n assert("BlockParent", node, opts);\n\nfunction assertBlock(node, opts =
{}) {\n assert("Block", node, opts);\n\nfunction assertStatement(node, opts = {}) {\n assert("Statement",
node, opts);\n\nfunction assertTerminatorless(node, opts = {}) {\n assert("Terminatorless", node,
opts);\n\nfunction assertCompletionStatement(node, opts = {}) {\n assert("CompletionStatement", node,
opts);\n\nfunction assertConditional(node, opts = {}) {\n assert("Conditional", node, opts);\n\nfunction
assertLoop(node, opts = {}) {\n assert("Loop", node, opts);\n\nfunction assertWhile(node, opts = {}) {\n
assert("While", node, opts);\n\nfunction assertExpressionWrapper(node, opts = {}) {\n
assert("ExpressionWrapper", node, opts);\n\nfunction assertFor(node, opts = {}) {\n assert("For", node,
opts);\n\nfunction
 assertForXStatement(node, opts = {}) {\n assert("ForXStatement", node, opts);\n\nfunction
assertFunction(node, opts = {}) {\n assert("Function", node, opts);\n\nfunction assertFunctionParent(node, opts
= {}) {\n assert("FunctionParent", node, opts);\n\nfunction assertPureish(node, opts = {}) {\n
assert("Pureish", node, opts);\n\nfunction assertDeclaration(node, opts = {}) {\n assert("Declaration", node,
opts);\n\nfunction assertPatternLike(node, opts = {}) {\n assert("PatternLike", node, opts);\n\nfunction
assertLVal(node, opts = {}) {\n assert("LVal", node, opts);\n\nfunction assertTSEntityName(node, opts = {})
{\n assert("TSEntityName", node, opts);\n\nfunction assertLiteral(node, opts = {}) {\n assert("Literal", node,
opts);\n\nfunction assertImmutable(node, opts = {}) {\n assert("Immutable", node, opts);\n\nfunction
assertUserWhitespacable(node, opts = {}) {\n assert("UserWhitespacable", node, opts);\n\nfunction
assertMethod(node, opts = {}) {\n assert("Method", node, opts);\n\nfunction assertObjectMember(node, opts =
{}) {\n assert("ObjectMember", node, opts);\n\nfunction assertProperty(node, opts = {}) {\n
assert("Property", node, opts);\n\nfunction assertUnaryLike(node, opts = {}) {\n assert("UnaryLike", node,

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opts);\n\nfunction assertPattern(node, opts = {}) {\n assert("Pattern", node, opts);\n}\n\nfunction
assertClass(node, opts = {}) {\n assert("Class", node, opts);\n}\n\nfunction assertModuleDeclaration(node, opts =
{}) {\n assert("ModuleDeclaration", node, opts);\n}\n\nfunction assertExportDeclaration(node, opts = {}) {\n
assert("ExportDeclaration", node, opts);\n}\n\nfunction assertModuleSpecifier(node, opts = {}) {\n
assert("ModuleSpecifier", node, opts);\n}\n\nfunction assertFlow(node, opts = {}) {\n assert("Flow", node,
opts);\n}\n\nfunction assertFlowType(node, opts = {}) {\n assert("FlowType", node, opts);\n}\n\nfunction
assertFlowBaseAnnotation(node, opts = {}) {\n assert("FlowBaseAnnotation", node, opts);\n}\n\nfunction
assertFlowDeclaration(node, opts = {}) {\n assert("FlowDeclaration", node, opts);\n}\n\nfunction
assertFlowPredicate(node, opts = {}) {\n assert("FlowPredicate", node, opts);\n}\n\nfunction
assertEnumBody(node, opts = {}) {\n assert("EnumBody", node, opts);\n}\n\nfunction assertEnumMember(node,
opts = {}) {\n assert("EnumMember", node, opts);\n}\n\nfunction assertJSX(node, opts = {}) {\n assert("JSX",
node, opts);\n}\n\nfunction assertPrivate(node, opts = {}) {\n assert("Private", node, opts);\n}\n\nfunction
assertTSTypeElement(node, opts = {}) {\n assert("TSTypeElement", node, opts);\n}\n\nfunction
assertTSType(node, opts = {}) {\n assert("TSType", node, opts);\n}\n\nfunction assertTSBaseType(node, opts =
{}) {\n assert("TSBaseType", node, opts);\n}\n\nfunction assertNumberLiteral(node, opts) {\n
console.trace("The node type NumberLiteral has been renamed
to NumericLiteral");\n assert("NumberLiteral", node, opts);\n}\n\nfunction assertRegexLiteral(node, opts) {\n
console.trace("The node type RegexLiteral has been renamed to RegExpLiteral");\n assert("RegexLiteral", node,
opts);\n}\n\nfunction assertRestProperty(node, opts) {\n console.trace("The node type RestProperty has been
renamed to RestElement");\n assert("RestProperty", node, opts);\n}\n\nfunction assertSpreadProperty(node, opts)
{\n console.trace("The node type SpreadProperty has been renamed to SpreadElement");\n
assert("SpreadProperty", node, opts);\n}\n\n""use strict";\n\nObject.defineProperty(exports, "__esModule", {\n
value: true\n});\n\nexports.default = createTypeAnnotationBasedOnTypeof;\n\nvar _generated =
require("../generated");\n\nfunction createTypeAnnotationBasedOnTypeof(type) {\n if (type === "string") {\n
return (0, _generated.stringTypeAnnotation)();\n } else if (type === "number") {\n return (0,
_generated.numberTypeAnnotation)();\n } else if (type === "undefined") {\n return (0, _generated.voidTypeAnnotation)();\n } else if (type ===
"boolean") {\n return (0, _generated.booleanTypeAnnotation)();\n } else if (type === "function") {\n return
(0, _generated.genericTypeAnnotation)((0, _generated.identifier)("Function"));\n } else if (type === "object")
{\n return (0, _generated.genericTypeAnnotation)((0, _generated.identifier)("Object"));\n } else if (type ===
"symbol") {\n return (0, _generated.genericTypeAnnotation)((0, _generated.identifier)("Symbol"));\n } else {\n
throw new Error("Invalid typeof value");\n }\n}\n\n""use strict";\n\nObject.defineProperty(exports,
"__esModule", {\n value: true\n});\n\nexports.default = createFlowUnionType;\n\nvar _generated =
require("../generated");\n\nvar _removeTypeDuplicates =
_interopRequireDefault(require("../modifications/flow/removeTypeDuplicates"));\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule
? obj : { default: obj }; }\n\nfunction createFlowUnionType(types) {\n const flattened = (0,
_removeTypeDuplicates.default)(types);\n\n if (flattened.length === 1) {\n return flattened[0];\n } else {\n
return (0, _generated.unionTypeAnnotation)(flattened);\n }\n}\n\n""use strict";\n\nObject.defineProperty(exports,
"__esModule", {\n value: true\n});\n\nexports.default = createTSUnionType;\n\nvar _generated =
require("../generated");\n\nvar _removeTypeDuplicates =
_interopRequireDefault(require("../modifications/typescript/removeTypeDuplicates"));\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction
createTSUnionType(typeAnnotations) {\n const types = typeAnnotations.map(type => type.typeAnnotations);\n
const flattened = (0, _removeTypeDuplicates.default)(types);\n\n if (flattened.length === 1) {\n return
flattened[0];\n } else {\n return (0, _generated.tsUnionType)(flattened);\n }\n}\n\n""use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default =
removeTypeDuplicates;\n\nvar _generated = require("../validators/generated");\n\nfunction

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removeTypeDuplicates(nodes) {\n const generics = {};\n const bases = {};\n const typeGroups = [];\n const types = [];\n for (let i = 0; i < nodes.length; i++) {\n const node = nodes[i];\n if (!node) continue;\n if (types.indexOf(node) >= 0) {\n continue;\n }\n if ((0, _generated.isTSAnyKeyword)(node.type)) {\n return [node];\n }\n if ((0, _generated.isTSBaseType)(node)) {\n bases[node.type] = node;\n continue;\n }\n if ((0, _generated.isTSUnionType)(node)) {\n if (typeGroups.indexOf(node.types) < 0) {\n nodes = nodes.concat(node.types);\n typeGroups.push(node.types);\n }\n continue;\n }\n types.push(node);\n }\n for (const type of Object.keys(bases)) {\n types.push(bases[type]);\n }\n for (const name of Object.keys(generics)) {\n types.push(generics[name]);\n }\n return types;\n}";\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = clone;\n\nvar _cloneNode = _interopRequireDefault(require("./cloneNode"));;\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction clone(node) {\n return (0, _cloneNode.default)(node, false);\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = cloneDeep;\n\nvar _cloneNode = _interopRequireDefault(require("./cloneNode"));;\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction cloneDeep(node) {\n return (0, _cloneNode.default)(node);\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = cloneDeepWithoutLoc;\n\nvar _cloneNode = _interopRequireDefault(require("./cloneNode"));;\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction cloneDeepWithoutLoc(node) {\n return (0, _cloneNode.default)(node, true, true);\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = cloneWithoutLoc;\n\nvar _cloneNode = _interopRequireDefault(require("./cloneNode"));;\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction cloneWithoutLoc(node) {\n return (0, _cloneNode.default)(node, false, true);\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = addComment;\n\nvar _addComments = _interopRequireDefault(require("./addComments"));;\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction addComment(node, type, content, line) {\n return (0, _addComments.default)(node, type, [{\n type: line ? "CommentLine" : "CommentBlock",\n value: content\n }]);\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = removeComments;\n\nvar _constants = require("./constants");;\n\nfunction removeComments(node) {\n _constants.COMMENT_KEYS.forEach(key => {\n node[key] = null;\n });\n return node;\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.TSBASETYPE_TYPES = exports.TSTYPE_TYPES = exports.TSTYPEELEMENT_TYPES = exports.PRIVATE_TYPES = exports.JSX_TYPES = exports.ENUMMEMBER_TYPES = exports.ENUMBODY_TYPES = exports.FLOWPREDICATE_TYPES = exports.FLOWDECLARATION_TYPES = exports.FLOWBASEANNOTATION_TYPES = exports.FLOWTYPE_TYPES = exports.FLOW_TYPES = exports.MODULESPECIFIER_TYPES = exports.EXPORTDECLARATION_TYPES = exports.MODULEDECLARATION_TYPES = exports.CLASS_TYPES = exports.PATTERN_TYPES = exports.UNARYLIKE_TYPES = exports.PROPERTY_TYPES = exports.OBJECTMEMBER_TYPES = exports.METHOD_TYPES = exports.USERWHITESPACABLE_TYPES = exports.IMMUTABLE_TYPES = exports.LITERAL_TYPES = exports.TSENTITYNAME_TYPES = exports.LVAL_TYPES = exports.PATTERNLIKE_TYPES = exports.DECLARATION_TYPES = exports.PUREISH_TYPES = exports.FUNCTIONPARENT_TYPES = exports.FUNCTION_TYPES = exports.FORXSTATEMENT_TYPES = exports.FOR_TYPES = exports.EXPRESSIONWRAPPER_TYPES = exports.WHILE_TYPES = exports.LOOP_TYPES = exports.CONDITIONAL_TYPES = exports.COMPLETIONSTATEMENT_TYPES = exports.TERMINATORLESS_TYPES = exports.STATEMENT_TYPES = exports.BLOCK_TYPES = exports.BLOCKPARENT_TYPES = exports.SCOPABLE_TYPES = exports.BINARY_TYPES = exports.EXPRESSION_TYPES = void 0;\n\nvar

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_definitions = require("../definitions/");\n\nconst EXPRESSION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Expression"]; \nextports.EXPRESSION_TYPES =
EXPRESSION_TYPES;\nconst BINARY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Binary"]; \nextports.BINARY_TYPES = BINARY_TYPES;\nconst
SCOPABLE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Scopable"]; \nextports.SCOPABLE_TYPES =
SCOPABLE_TYPES;\nconst BLOCKPARENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["BlockParent"]; \nextports.BLOCKPARENT_TYPES =
BLOCKPARENT_TYPES;\nconst BLOCK_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Block"]; \nextports.BLOCK_TYPES = BLOCK_TYPES;\nconst
STATEMENT_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Statement"]; \nextports.STATEMENT_TYPES =
STATEMENT_TYPES;\nconst TERMINATORLESS_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Terminatorless"]; \nextports.TERMINATORLESS_TYPES =
TERMINATORLESS_TYPES;\nconst COMPLETIONSTATEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["CompletionStatement"]; \nextports.COMPLETIONSTATEMENT_TYPES
= COMPLETIONSTATEMENT_TYPES;\nconst CONDITIONAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Conditional"]; \nextports.CONDITIONAL_TYPES =
CONDITIONAL_TYPES;\nconst LOOP_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Loop"]; \nextports.LOOP_TYPES = LOOP_TYPES;\nconst
WHILE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["While"]; \nextports.WHILE_TYPES
= WHILE_TYPES;\nconst EXPRESSIONWRAPPER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ExpressionWrapper"]; \nextports.EXPRESSIONWRAPPER_TYPES =
EXPRESSIONWRAPPER_TYPES;\nconst FOR_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["For"]; \nextports.FOR_TYPES = FOR_TYPES;\nconst
FORXSTATEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ForXStatement"]; \nextports.FORXSTATEMENT_TYPES =
FORXSTATEMENT_TYPES;\nconst FUNCTION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Function"]; \nextports.FUNCTION_TYPES =
FUNCTION_TYPES;\nconst FUNCTIONPARENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FunctionParent"]; \nextports.FUNCTIONPARENT_TYPES =
FUNCTIONPARENT_TYPES;\nconst PUREISH_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Pureish"]; \nextports.PUREISH_TYPES = PUREISH_TYPES;\nconst
DECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Declaration"]; \nextports.DECLARATION_TYPES =
DECLARATION_TYPES;\nconst PATTERNLIKE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["PatternLike"]; \nextports.PATTERNLIKE_TYPES
= PATTERNLIKE_TYPES;\nconst LVAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["LVal"]; \nextports.LVAL_TYPES = LVAL_TYPES;\nconst
TSENTITYNAME_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSEntityName"]; \nextports.TSENTITYNAME_TYPES =
TSENTITYNAME_TYPES;\nconst LITERAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Literal"]; \nextports.LITERAL_TYPES = LITERAL_TYPES;\nconst
IMMUTABLE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Immutable"]; \nextports.IMMUTABLE_TYPES
= IMMUTABLE_TYPES;\nconst USERWHITESPACABLE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["UserWhitespacable"]; \nextports.USERWHITESPACABLE_TYPES =
USERWHITESPACABLE_TYPES;\nconst METHOD_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Method"]; \nextports.METHOD_TYPES = METHOD_TYPES;\nconst
OBJECTMEMBER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ObjectMember"]; \nextports.OBJECTMEMBER_TYPES =

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OBJECTMEMBER_TYPES;\nconst PROPERTY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Property"];\\nexports.PROPERTY_TYPES =
PROPERTY_TYPES;\nconst
UNARYLIKE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["UnaryLike"];\\nexports.UNARYLIKE_TYPES
= UNARYLIKE_TYPES;\nconst PATTERN_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Pattern"];\\nexports.PATTERN_TYPES = PATTERN_TYPES;\nconst
CLASS_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Class"];\\nexports.CLASS_TYPES =
CLASS_TYPES;\nconst MODULEDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ModuleDeclaration"];\\nexports.MODULEDECLARATION_TYPES =
MODULEDECLARATION_TYPES;\nconst EXPORTDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ExportDeclaration"];\\nexports.EXPORTDECLARATION_TYPES =
EXPORTDECLARATION_TYPES;\nconst MODULESPECIFIER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ModuleSpecifier"];\\nexports.MODULESPECIFIER_TYPES =
MODULESPECIFIER_TYPES;\nconst FLOW_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Flow"];\\nexports.FLOW_TYPES = FLOW_TYPES;\nconst
FLOWTYPE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["FlowType"];\\nexports.FLOWTYPE_TYPES =
FLOWTYPE_TYPES;\nconst FLOWBASEANNOTATION_TYPES
=
_definitions.FLIPPED_ALIAS_KEYS["FlowBaseAnnotation"];\\nexports.FLOWBASEANNOTATION_TYPES =
FLOWBASEANNOTATION_TYPES;\nconst FLOWDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowDeclaration"];\\nexports.FLOWDECLARATION_TYPES =
FLOWDECLARATION_TYPES;\nconst FLOWPREDICATE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowPredicate"];\\nexports.FLOWPREDICATE_TYPES =
FLOWPREDICATE_TYPES;\nconst ENUMBODY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["EnumBody"];\\nexports.ENUMBODY_TYPES =
ENUMBODY_TYPES;\nconst ENUMMEMBER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["EnumMember"];\\nexports.ENUMMEMBER_TYPES =
ENUMMEMBER_TYPES;\nconst JSX_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["JSX"];\\nexports.JSX_TYPES = JSX_TYPES;\nconst PRIVATE_TYPES
= _definitions.FLIPPED_ALIAS_KEYS["Private"];\\nexports.PRIVATE_TYPES = PRIVATE_TYPES;\nconst
TSTYPEELEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSTypeElement"];\\nexports.TSTYPEELEMENT_TYPES =
TSTYPEELEMENT_TYPES;\nconst TSTYPE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSType"];\\nexports.TSTYPE_TYPES
= TSTYPE_TYPES;\nconst TSBASETYPE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSBaseType"];\\nexports.TSBASETYPE_TYPES =
TSBASETYPE_TYPES;"\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\\nexports.default = ensureBlock;\n\nvar _toBlock =
_interopRequireDefault(require(\"./toBlock\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction ensureBlock(node, key = \"body\") {\n return node[key] = (0,
_toBlock.default)(node[key], node);\n}"\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n
value: true\n});\\nexports.default = toBindingIdentifierName;\n\nvar _toIdentifier =
_interopRequireDefault(require(\"./toIdentifier\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction toBindingIdentifierName(name) {\n name = (0,
_toIdentifier.default)(name);\n if (name
=== \"eval\" || name === \"arguments\") name = \"_\" + name;\n return name;\n}"\"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\\nexports.default =
toComputedKey;\n\nvar _generated = require(\"../validators/generated\");\n\nvar _generated2 =

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require("../builders/generated");\nfunction toComputedKey(node, key = node.key || node.property) {\n if (!node.computed && (0, _generated.isIdentifier)(key)) key = (0, _generated.stringLiteral)(key.name);\n return key;\n"},"","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = toExpression;\n\nvar _generated = require("../validators/generated");\n\nfunction toExpression(node) {\n if ((0, _generated.isExpressionStatement)(node)) {\n node = node.expression;\n }\n\n if ((0, _generated.isExpression)(node)) {\n return node;\n }\n\n if ((0, _generated.isClass)(node)) {\n node.type = \"ClassExpression\";\n } else if ((0, _generated.isFunction)(node)) {\n\n node.type = \"FunctionExpression\";\n }\n\n if (!(0, _generated.isExpression)(node)) {\n throw new Error(`cannot turn ${node.type} to an expression`);\n }\n\n return node;\n"},"","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = toKeyAlias;\n\nvar _generated = require("../validators/generated");\n\nvar _cloneNode = _interopRequireDefault(require("../clone/cloneNode"));\n\nvar _removePropertiesDeep = _interopRequireDefault(require("../modifications/removePropertiesDeep")); \n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; } \n\nfunction toKeyAlias(node, key = node.key) {\n let alias;\n\n if (node.kind === \"method\") {\n return toKeyAlias.increment() + \"\";\n } else if ((0, _generated.isIdentifier)(key)) {\n alias = key.name;\n } else if ((0, _generated.isStringLiteral)(key)) {\n alias = JSON.stringify(key.value);\n } else {\n alias = JSON.stringify((0, _removePropertiesDeep.default)((0, _cloneNode.default)(key)));\n }\n\n if (node.computed) {\n alias = `[${alias}]`;\n }\n\n if (node.static) {\n alias = `static:${alias}`;\n }\n\n return alias;\n}\n\nlet toKeyAlias.uid = 0;\n\nlet toKeyAlias.increment = function () {\n if (toKeyAlias.uid >= Number.MAX_SAFE_INTEGER) {\n return toKeyAlias.uid = 0;\n } else {\n return toKeyAlias.uid++;\n }\n};\n"},"","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = toSequenceExpression;\n\nvar _gatherSequenceExpressions = _interopRequireDefault(require(\"./gatherSequenceExpressions\"));\n\nfunction _interopRequireDefault(obj) {\n return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction toSequenceExpression(nodes, scope) {\n if (!(nodes == null ? void 0 : nodes.length)) return;\n const declars = [];\n const result = (0, _gatherSequenceExpressions.default)(nodes, scope, declars);\n if (!result) return;\n\n for (const declar of declars) {\n scope.push(declar);\n }\n\n return result;\n"},"","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default = gatherSequenceExpressions;\n\nvar _getBindingIdentifiers = _interopRequireDefault(require("../retrievers/getBindingIdentifiers")); \n\nvar _generated = require("../validators/generated");\n\nvar _generated2 = require("../builders/generated");\n\nvar _cloneNode = _interopRequireDefault(require("../clone/cloneNode")); \n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; } \n\nfunction gatherSequenceExpressions(nodes, scope, declars) {\n const exprs = [];\n let ensureLastUndefined = true;\n\n for (const node of nodes) {\n if (!(0, _generated.isEmptyStatement)(node)) {\n ensureLastUndefined = false;\n }\n\n if ((0, _generated.isExpression)(node)) {\n exprs.push(node);\n } else if ((0, _generated.isExpressionStatement)(node)) {\n\n exprs.push(node.expression);\n } else if ((0, _generated.isVariableDeclaration)(node)) {\n if (node.kind !== \"var\") return;\n\n for (const declar of node.declarations) {\n const bindings = (0, _getBindingIdentifiers.default)(declar);\n\n for (const key of Object.keys(bindings)) {\n declars.push({\n kind: node.kind,\n id: (0, _cloneNode.default)(bindings[key])\n });\n }\n\n if (declar.init) {\n exprs.push((0, _generated2.assignmentExpression)(\"=\" , declar.id, declar.init));\n }\n }\n }\n\n ensureLastUndefined = true;\n } else if ((0, _generated.isIfStatement)(node)) {\n const consequent = node.consequent ? gatherSequenceExpressions([node.consequent], scope, declars) : scope.buildUndefinedNode();\n\n const alternate = node.alternate ? gatherSequenceExpressions([node.alternate], scope, declars) : scope.buildUndefinedNode();\n\n if (!consequent || !alternate) return;\n
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 exprs.push((0, _generated2.conditionalExpression)(node.test, consequent, alternate));\n } else if ((0,
 _generated.isBlockStatement)(node)) {\n const body = gatherSequenceExpressions(node.body, scope, declares);\n if (!body) return;\n exprs.push(body);\n } else if ((0, _generated.isEmptyStatement)(node)) {\n if
(nodes.indexOf(node) === 0) {\n ensureLastUndefined = true;\n }\n } else {\n return;\n }\n}\n\nif
(ensureLastUndefined) {\n exprs.push(scope.buildUndefinedNode());\n}\n\nif (exprs.length === 1) {\n return
exprs[0];\n} else {\n return (0, _generated2.sequenceExpression)(exprs);\n}\n}\n", "\nuse
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default =
toStatement;\n\nvar _generated = require("../validators/generated");\n\nvar _generated2 =
require("../builders/generated");\n\nfunction toStatement(node, ignore) {\n if ((0, _generated.isStatement)(node))
{\n return node;\n }\n\n let mustHaveId = false;\n let newType;\n\n if ((0, _generated.isClass)(node)) {\n
mustHaveId = true;\n newType = "ClassDeclaration";\n } else if ((0, _generated.isFunction)(node)) {\n
mustHaveId = true;\n newType = "FunctionDeclaration";\n } else if ((0,
 _generated.isAssignmentExpression)(node)) {\n return (0, _generated2.expressionStatement)(node);\n }\n\n if
(mustHaveId && !node.id) {\n newType = false;\n }\n\n if (!newType) {\n if (ignore) {\n return false;\n }
else {\n throw new Error(`cannot turn ${node.type} to a statement`);\n }\n }\n\n node.type = newType;\n
return node;\n}\n", "\nuse strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:
true\n});\n\nexports.default = valueToNode;\n\nvar _isPlainObject =
_interopRequireDefault(require("lodash/isPlainObject"));\n\nvar _isRegExp =
_interopRequireDefault(require("lodash/isRegExp"));\n\nvar _isValidIdentifier =
_interopRequireDefault(require("../validators/isValidIdentifier"));\n\nvar
 _generated = require("../builders/generated");\n\nfunction _interopRequireDefault(obj) {\n return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction valueToNode(value) {\n if (value === undefined) {\n return
(0, _generated.identifier)("undefined");\n }\n\n if (value === true || value === false) {\n return (0,
 _generated.booleanLiteral)(value);\n }\n\n if (value === null) {\n return (0, _generated.nullLiteral)();\n }\n\n if
(typeof value === "string") {\n return (0, _generated.stringLiteral)(value);\n }\n\n if (typeof value ===
"number") {\n let result;\n\n if (Number.isFinite(value)) {\n result = (0,
 _generated.numericLiteral)(Math.abs(value));\n } else {\n let numerator;\n\n if (Number.isNaN(value)) {\n
numerator = (0, _generated.numericLiteral)(0);\n } else {\n numerator = (0,
 _generated.numericLiteral)(1);\n }\n\n result = (0, _generated.binaryExpression)("^\n",
numerator, (0, _generated.numericLiteral)(0));\n }\n\n if (value < 0 || Object.is(value, -0)) {\n result = (0,
 _generated.unaryExpression)("^\n", result);\n }\n\n return result;\n }\n\n if ((0, _isRegExp.default)(value)) {\n
const pattern = value.source;\n const flags = value.toString().match(/\\([a-z]+)\\$/)[1];\n return (0,
 _generated.regExpLiteral)(pattern, flags);\n }\n\n if (Array.isArray(value)) {\n return (0,
 _generated.arrayExpression)(value.map(valueToNode));\n }\n\n if ((0, _isPlainObject.default)(value)) {\n const
props = [];\n\n for (const key of Object.keys(value)) {\n let nodeKey;\n\n if ((0,
 _isValidIdentifier.default)(key)) {\n nodeKey = (0, _generated.identifier)(key);\n } else {\n nodeKey =
(0, _generated.stringLiteral)(key);\n }\n\n props.push((0, _generated.objectProperty)(nodeKey,
valueToNode(value[key])));\n }\n\n return (0, _generated.objectExpression)(props);\n }\n\n throw new Error("don't know how to turn this value into a node");\n}\n", "var baseGetTag =
require('./_baseGetTag'),\n getPrototype = require('./_getPrototype'),\n isObjectLike =
require('./isObjectLike');\n\n/** `Object#toString` result references. */\nvar objectTag = '[object Object]';\n\n/**
Used for built-in method references. */\nvar funcProto = Function.prototype,\n objectProto =
Object.prototype;\n\n/** Used to resolve the decompiled source of functions. */\nvar funcToString =
funcProto.toString;\n\n/** Used to check objects for own properties. */\nvar hasOwnProperty =
objectProto.hasOwnProperty;\n\n/** Used to infer the `Object` constructor. */\nvar objectCtorString =
funcToString.call(Object);\n\n/**\n * Checks if `value` is a plain object, that is, an object created by the\n * `Object`
constructor or one with a `[[Prototype]]` of `null`.\n * @static\n * @memberOf _\n * @since 0.8.0\n *

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@category Lang\n * @param {*} value The value to check.\n * @returns
{boolean} Returns `true` if `value` is a plain object, else `false`.\n * @example\n *\n * function Foo() {\n * this.a
= 1;\n * }\n *\n * _isPlainObject(new Foo);\n * // => false\n *\n * _isPlainObject([1, 2, 3]);\n * // => false\n *\n *
_isPlainObject({ 'x': 0, 'y': 0 });\n * // => true\n *\n * _isPlainObject(Object.create(null));\n * // => true\n
*\nfunction isPlainObject(value) {\n if (!isObjectLike(value) || baseGetTag(value) != objectTag) {\n return
false;\n }\n var proto = getPrototype(value);\n if (proto === null) {\n return true;\n }\n var Ctor =
hasOwnProperty.call(proto, 'constructor') && proto.constructor;\n return typeof Ctor == 'function' && Ctor
instanceof Ctor &&\n funcToString.call(Ctor) == objectCtorString;\n}\n\nmodule.exports = isPlainObject;\n", "var
baseIsRegExp = require('./_baseIsRegExp'),\n baseUnary = require('./_baseUnary'),\n nodeUtil =
require('./_nodeUtil');\n\n/* Node.js helper references. */\nvar nodeIsRegExp = nodeUtil &&
nodeUtil.isRegExp;\n\n/**\n
* Checks if `value` is classified as a `RegExp` object.\n *\n * @static\n * @memberOf _\n * @since 0.1.0\n *
@category Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is a
regexp, else `false`.\n * @example\n *\n * _isRegExp(/abc/);\n * // => true\n *\n * _isRegExp('/abc/');\n * // =>
false\n *\nvar isRegExp = nodeIsRegExp ? baseUnary(nodeIsRegExp) : baseIsRegExp;\n\nmodule.exports =
isRegExp;\n", "var baseGetTag = require('./_baseGetTag'),\n isObjectLike = require('./isObjectLike');\n\n/**
`Object#toString` result references. */\nvar regexpTag = [object RegExp];\n\n/**\n * The base implementation of
`_isRegExp` without Node.js optimizations.\n *\n * @private\n * @param {*} value The value to check.\n *
@returns {boolean} Returns `true` if `value` is a regexp, else `false`.\n *\nfunction baseIsRegExp(value) {\n return
isObjectLike(value) && baseGetTag(value) == regexpTag;\n}\n\nmodule.exports = baseIsRegExp;\n", "\"use
strict\";\n\nObject.defineProperty(exports, '__esModule', {\n value: true\n});\n\nexports.default =
appendToMemberExpression;\n\nvar _generated = require(\"../builders/generated\");\n\nfunction
appendToMemberExpression(member, append, computed = false) {\n member.object = (0,
_generated.memberExpression)(member.object, member.property, member.computed);\n member.property =
append;\n member.computed = !!computed;\n return member;\n}", "\"use
strict\";\n\nObject.defineProperty(exports, '__esModule', {\n value: true\n});\n\nexports.default = inherits;\n\nvar
_constants = require(\"../constants\");\n\nvar _inheritsComments =
_interopRequireDefault(require(\"../comments/inheritsComments\"));\n\nfunction _interopRequireDefault(obj) {\n
return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction inherits(child, parent) {\n if (!child || !parent)
return child;\n\n for (const key of _constants.INHERIT_KEYS.optional) {\n if (child[key] == null) {\n
child[key] =\n parent[key];\n }\n }\n\n for (const key of Object.keys(parent)) {\n if (key[0] === \"_\" && key !==
\"__clone\") child[key] = parent[key];\n }\n\n for (const key of _constants.INHERIT_KEYS.force) {\n child[key]
= parent[key];\n }\n\n (0, _inheritsComments.default)(child, parent);\n return child;\n}", "\"use
strict\";\n\nObject.defineProperty(exports, '__esModule', {\n value: true\n});\n\nexports.default =
prependToMemberExpression;\n\nvar _generated = require(\"../builders/generated\");\n\nfunction
prependToMemberExpression(member, prepend) {\n member.object = (0, _generated.memberExpression)(prepend,
member.object);\n return member;\n}", "\"use strict\";\n\nObject.defineProperty(exports, '__esModule', {\n
value: true\n});\n\nexports.default = getOuterBindingIdentifiers;\n\nvar _getBindingIdentifiers =
_interopRequireDefault(require(\"../getBindingIdentifiers\"));\n\nfunction _interopRequireDefault(obj) {\n return obj
&& obj.__esModule ? obj : { default: obj }; }\n\nfunction
getOuterBindingIdentifiers(node, duplicates) {\n return (0, _getBindingIdentifiers.default)(node, duplicates,
true);\n}", "\"use strict\";\n\nObject.defineProperty(exports, '__esModule', {\n value: true\n});\n\nexports.default =
traverse;\n\nvar _definitions = require(\"../definitions\");\n\nfunction traverse(node, handlers, state) {\n if (typeof
handlers === \"function\") {\n handlers = {\n enter: handlers\n };\n }\n\n const {\n enter,\n exit\n } =
handlers;\n traverseSimpleImpl(node, enter, exit, state, []);\n\n function traverseSimpleImpl(node, enter, exit,
state, ancestors) {\n const keys = _definitions.VISITOR_KEYS[node.type];\n if (!keys) return;\n if (enter)
enter(node, ancestors, state);\n\n for (const key of keys) {\n const subNode = node[key];\n if

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(Array.isArray(subNode)) {\n for (let i = 0; i < subNode.length; i++) {\n const child = subNode[i];\n if (!child) continue;\n ancestors.push({\n node,\n key,\n index: i\n });\n traverseSimpleImpl(child, enter, exit, state, ancestors);\n ancestors.pop();\n } } else if (subNode) {\n ancestors.push({\n node,\n key\n });\n traverseSimpleImpl(subNode, enter, exit, state, ancestors);\n ancestors.pop();\n } }\n\n if (exit) exit(node, ancestors, state);\n}","\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = isBinding;\n\n\nvar _getBindingIdentifiers = _interopRequireDefault(require(\"../retrievers/getBindingIdentifiers\"));\n\n\nfunction _interopRequireDefault(obj) {\n return obj && obj.__esModule ? obj : { default: obj }; }\n\n\nfunction isBinding(node, parent, grandparent) {\n if (grandparent && node.type === \"Identifier\" && parent.type === \"ObjectProperty\" && grandparent.type === \"ObjectExpression\") {\n return false;\n }\n\n const keys = _getBindingIdentifiers.default.keys[parent.type];\n\n if (keys) {\n for (let i = 0; i < keys.length; i++) {\n const key = keys[i];\n const val = parent[key];\n\n if (Array.isArray(val)) {\n if (val.indexOf(node) >= 0) return true;\n } else {\n if (val === node) return true;\n }\n }\n }\n\n return false;\n}","\"use strict\";\n\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = isBlockScoped;\n\n\nvar _generated = require(\"../generated\");\n\n\nvar _isLet = _interopRequireDefault(require(\"../isLet\"));\n\n\nfunction _interopRequireDefault(obj) {\n return obj && obj.__esModule ? obj : { default: obj }; }\n\n\nfunction isBlockScoped(node) {\n return (0, _generated.isFunctionDeclaration)(node) || (0, _generated.isClassDeclaration)(node) || (0, _isLet.default)(node);\n}","\"use strict\";\n\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = isImmutable;\n\n\nvar _isType = _interopRequireDefault(require(\"../isType\"));\n\n\nvar _generated = require(\"../generated\");\n\n\nfunction _interopRequireDefault(obj) {\n return obj && obj.__esModule ? obj : { default: obj }; }\n\n\nfunction isImmutable(node) {\n if ((0, _isType.default)(node.type, \"Immutable\")) return true;\n\n if ((0, _generated.isIdentifier)(node)) {\n if (node.name === \"undefined\") {\n return true;\n } else {\n return false;\n }\n }\n\n return false;\n}","\"use strict\";\n\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = isNodesEquivalent;\n\n\nvar _definitions = require(\"../definitions\");\n\n\nfunction isNodesEquivalent(a, b) {\n if (typeof a !== \"object\" || typeof b !== \"object\" || a == null || b == null) {\n return a === b;\n }\n\n if (a.type !== b.type) {\n return false;\n }\n\n const fields = Object.keys(_definitions.NODE_FIELDS[a.type] || a.type);\n const visitorKeys = _definitions.VISITOR_KEYS[a.type];\n\n for (const field of fields) {\n if (typeof a[field] !== typeof b[field]) {\n return false;\n }\n\n if (a[field] == null && b[field] == null) {\n continue;\n } else if (a[field] == null || b[field] == null) {\n return false;\n }\n\n if (Array.isArray(a[field])) {\n if (!Array.isArray(b[field])) {\n return false;\n }\n\n if (a[field].length !== b[field].length) {\n return false;\n }\n\n for (let i = 0; i < a[field].length; i++) {\n if (!isNodesEquivalent(a[field][i], b[field][i])) {\n return false;\n }\n }\n\n continue;\n }\n\n if (typeof a[field] === \"object\" && !(visitorKeys == null ? void 0 : visitorKeys.includes(field))) {\n for (const key of Object.keys(a[field])) {\n if (a[field][key] !== b[field][key]) {\n return false;\n }\n }\n\n continue;\n }\n\n if (!isNodesEquivalent(a[field], b[field])) {\n return false;\n }\n }\n\n return true;\n}","\"use strict\";\n\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = isReferenced;\n\n\nfunction isReferenced(node, parent, grandparent) {\n switch (parent.type) {\n case \"MemberExpression\":\n case \"JSXMemberExpression\":\n case \"OptionalMemberExpression\":\n if (parent.property === node) {\n return !!parent.computed;\n }\n\n return parent.object === node;\n case \"VariableDeclarator\":\n return parent.init === node;\n case \"ArrowFunctionExpression\":\n return parent.body === node;\n case \"ExportSpecifier\":\n if (parent.source) {\n return false;\n }\n\n return parent.local === node;\n case \"PrivateName\":\n return false;\n case \"ClassMethod\":\n case \"ClassPrivateMethod\":\n case \"ObjectMethod\":\n if (parent.params.includes(node)) {\n return false;\n }\n\n case \"ObjectProperty\":\n case \"ClassProperty\":\n case \"ClassPrivateProperty\":\n if (parent.key ===

```





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CC00',\n\t#CCCC33',\n\t#FF0000',\n\t#FF0033',\n\t#FF0066',\n\t#FF0099',\n\t#FF00CC',\n\t#FF00FF',\n\t#FF33
00',\n\t#FF3333',\n\t#FF3366',\n\t#FF3399',\n\t#FF33CC',\n\t#FF33FF',\n\t#FF6600',\n\t#FF6633',\n\t#FF9900',\
\n\t#FF9933',\n\t#FFCC00',\n\t#FFCC33'\n];\n\n/**\n
* Currently only WebKit-based Web Inspectors, Firefox >= v31,\n * and the Firebug extension (any Firefox
version) are known\n * to support \"%c\" CSS customizations.\n *\n * TODO: add a `localStorage` variable to
explicitly enable/disable colors\n */\n\n// eslint-disable-next-line complexity\nfunction useColors() {\n\t// NB: In an
Electron preload script, document will be defined but not fully\n\t// initialized. Since we know we're in Chrome,
we'll just detect this case\n\t// explicitly\n\tif (typeof window !== 'undefined' && window.process &&
(window.process.type === 'renderer' || window.process.__nwjs)) {\n\t\treturn true;\n\t}\n\t// Internet Explorer and
Edge do not support colors.\n\tif
(typeof navigator !== 'undefined' && navigator.userAgent &&
navigator.userAgent.toLowerCase().match(/(edge|trident)\\((\\d+)/)) {\n\t\treturn false;\n\t}\n\t// Is webkit?
http://stackoverflow.com/a/16459606/376773\n\t// document is undefined in react-native:
https://github.com/facebook/react-native/pull/1632\n\treturn (typeof document !== 'undefined' &&
document.documentElement && document.documentElement.style &&
document.documentElement.style.WebkitAppearance) ||\n\t// Is firebug?
http://stackoverflow.com/a/398120/376773\n\tif (typeof window !== 'undefined' && window.console &&
(window.console.firebug || (window.console.exception && window.console.table))) ||\n\t// Is firefox >= v31?\n\t//
https://developer.mozilla.org/en-US/docs/Tools/Web_Console#Styling_messages\n\tif (typeof navigator !==
'undefined' && navigator.userAgent && navigator.userAgent.toLowerCase().match(/firefox\\((\\d+)/) &&
parseInt(RegExp.$1, 10) >= 31) ||\n\t// Double check webkit in userAgent just in
case we are in a worker\n\tif (typeof navigator !== 'undefined' && navigator.userAgent &&
navigator.userAgent.toLowerCase().match(/applewebkit\\((\\d+)/));\n}\n\n/**\n * Colorize log arguments if
enabled.\n *\n * @api public\n */\n\nfunction formatArgs(args) {\n\targs[0] = (this.useColors ? '%c' : '')
+ \n\t\tthis.namespace + \n\t\t(this.useColors ? '%c' : ' ') + \n\t\targs[0] + \n\t\t(this.useColors ? '%c' : ' ') + \n\t\t'+ '
+ module.exports.humanize(this.diff);\n\tif (!this.useColors) {\n\t\treturn;\n\t}\n\tconst c = 'color: ' +
this.color;\n\targs.splice(1, 0, c, 'color: inherit');\n\t// The final \"%c\" is somewhat tricky, because there could be
other\n\t// arguments passed either before or after the %c, so we need to\n\t// figure out the correct index to insert the
CSS into\n\tlet index = 0;\n\tlet lastC = 0;\n\targs[0].replace(/%[a-zA-Z%]/g, match => {\n\t\tif (match === '%%')
{\n\t\t\treturn;\n\t\t}\n\t\tindex++;\n\t\tif (match === '%c') {\n\t\t\t// We only are interested in the
last %c\n\t\t\t// (the user may have provided their own)\n\t\t\tlastC = index;\n\t\t}\n\t});\n\targs.splice(lastC, 0,
c);\n}\n\n/**\n * Invokes `console.log()` when available.\n *\n * No-op when `console.log` is not a "function".\n *\n *
@api public\n */\n\nfunction log(...args) {\n\t// This hackery is required for IE8/9, where\n\t// the `console.log`
function doesn't have `apply`\n\treturn typeof console === 'object' &&\n\t\tconsole.log
&&\n\t\tconsole.log(...args);\n}\n\n/**\n * Save `namespaces`\n *\n * @param {String} namespaces\n */\n\nfunction save(namespaces) {\n\ttry {\n\t\tif (namespaces) {\n\t\t\texports.storage.setItem('debug',
namespaces);\n\t\t}\n\t} catch (error) {\n\t\t// Swallow\n\t\t// XXX (@Qix-) should we be logging these?\n\t}\n}\n\n/**\n * Load `namespaces`\n *\n * @return {String} returns
the previously persisted debug modes\n */\n\nfunction load() {\n\tlet r;\n\ttry {\n\t\t= exports.storage.getItem('debug');\n\t} catch (error) {\n\t\t// Swallow\n\t\t// XXX (@Qix-) should we be logging
these?\n\t}\n\t// If debug isn't set in LS, and we're in Electron, try to load $DEBUG\n\tif (!r && typeof process
!== 'undefined' && 'env' in process) {\n\t\ttr = process.env.DEBUG;\n\t}\n}\n\n/**\n * Localstorage
attempts to return the localstorage.\n *\n * This is necessary because safari throws\n * when a user disables
cookies/localstorage\n * and you attempt to access it.\n *\n * @return {LocalStorage}\n */\n\nfunction localStorage() {\n\ttry {\n\t\t// TVMLKit (Apple TV JS Runtime) does not have a window object, just
localStorage in the global context\n\t\t// The Browser also has localStorage in the global context.\n\t\treturn
localStorage;\n\t} catch (error) {\n\t\t// Swallow\n\t\t// XXX (@Qix-) should we be logging
these?\n\t}\n}\n\nmodule.exports = require('./common')(exports);\n\nconst {formatters} = module.exports;\n\n/**\n

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* Map
%j to `JSON.stringify()`, since no Web Inspectors do that by default.\n *\n\nformatters.j = function (v) {\n\ttry
{\n\t\treturn JSON.stringify(v);\n\t} catch (error) {\n\t\treturn '[UnexpectedJSONParseError]: ' +
error.message;\n\t}\n};\n"/**\n * Helpers.\n *\n\nvar s = 1000;\nvar m = s * 60;\nvar h = m * 60;\nvar d = h *
24;\nvar w = d * 7;\nvar y = d * 365.25;\n\n/**\n * Parse or format the given `val`.\n *\n * Options:\n * - `long`
verbose formatting [false]\n *\n * @param {String|Number} val\n *\n * @param {Object} [options]\n *\n * @throws
{Error} throw an error if val is not a non-empty string or a number\n *\n * @return {String|Number}\n *\n * @api public\n
*\n\nmodule.exports = function(val, options) {\n options = options || {};\n var type = typeof val;\n if (type ===
'string' && val.length > 0) {\n return parse(val);\n } else if (type === 'number' && isFinite(val)) {\n return
options.long ? fmtLong(val) : fmtShort(val);\n }\n throw new Error('\n 'val is not a non-empty
string or a valid number. val=' +\n JSON.stringify(val)\n);\n};\n\n/**\n * Parse the given `str` and return
milliseconds.\n *\n * @param {String} str\n *\n * @return {Number}\n *\n * @api private\n
*\n\nfunction parse(str) {\n str = String(str);\n if (str.length > 100) {\n return;\n }\n var match = /^(?:(?:\d+)?\.\d+)?
*(milliseconds?|msecs?|ms|seconds?|secs?|s|minutes?|mins?|m|hours?|hrs?|h|days?|d|weeks?|w|years?|yrs?|y)?$/i.exec
(\n str\n);\n if (!match) {\n return;\n }\n var n = parseFloat(match[1]);\n var type = (match[2] ||
'ms').toLowerCase();\n switch (type) {\n case 'years':\n case 'year':\n case 'yrs':\n case 'yr':\n case 'y':\n
return n * y;\n case 'weeks':\n case 'week':\n case 'w':\n return n * w;\n case 'days':\n case 'day':\n case
'd':\n return n * d;\n case 'hours':\n case 'hour':\n case 'hrs':\n case 'hr':\n case 'h':\n return n * h;\n
case 'minutes':\n case 'minute':\n
case 'mins':\n case 'min':\n case 'm':\n return n * m;\n case 'seconds':\n case 'second':\n case 'secs':\n
case 'sec':\n case 's':\n return n * s;\n case 'milliseconds':\n case 'millisecond':\n case 'msecs':\n case
'msec':\n case 'ms':\n return n;\n default:\n return undefined;\n }\n}\n\n/**\n * Short format for `ms`.\n *\n
* @param {Number} ms\n *\n * @return {String}\n *\n * @api private\n
*\n\nfunction fmtShort(ms) {\n var msAbs =
Math.abs(ms);\n if (msAbs >= d) {\n return Math.round(ms / d) + 'd';\n }\n if (msAbs >= h) {\n return
Math.round(ms / h) + 'h';\n }\n if (msAbs >= m) {\n return Math.round(ms / m) + 'm';\n }\n if (msAbs >= s) {\n
return Math.round(ms / s) + 's';\n }\n return ms + 'ms';\n}\n\n/**\n * Long format for `ms`.\n *\n * @param
{Number} ms\n *\n * @return {String}\n *\n * @api private\n
*\n\nfunction fmtLong(ms) {\n var msAbs =
Math.abs(ms);\n if (msAbs >= d) {\n return plural(ms, msAbs, d,
'day');\n }\n if (msAbs >= h) {\n return plural(ms, msAbs, h, 'hour');\n }\n if (msAbs >= m) {\n return
plural(ms, msAbs, m, 'minute');\n }\n if (msAbs >= s) {\n return plural(ms, msAbs, s, 'second');\n }\n return ms
+ ' ms';\n}\n\n/**\n * Pluralization helper.\n *\n\nfunction plural(ms, msAbs, n, name) {\n var isPlural = msAbs >=
n * 1.5;\n return Math.round(ms / n) + ' ' + name + (isPlural ? 's' : '');\n}\n"/**\n * Module dependencies.\n
*\n\nconst tty = require('tty');\nconst util = require('util');\n\n/**\n * This is the Node.js implementation of
`debug()`.\n *\n\nexports.init = init;\nexports.log = log;\nexports.formatArgs = formatArgs;\nexports.save =
save;\nexports.load = load;\nexports.useColors = useColors;\n\n/**\n * Colors.\n *\n\nexports.colors = [6, 2, 3, 4,
5, 1];\n\ntry {\n // Optional dependency (as in, doesn't need to be installed, NOT like optionalDependencies in
package.json)\n // eslint-disable-next-line import/no-extraneous-dependencies\n const
supportsColor = require('supports-color');\n if (supportsColor && (supportsColor.stderr || supportsColor).level
>= 2) {\n exports.colors =
[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15,\n 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31,\n 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59,\n 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89,\n 90, 91, 92, 93, 94, 95, 96, 97, 98, 99,\n 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122,\n 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149,\n 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189,\n 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222,\n 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250,\n 251, 252, 253, 254, 255];\n }\n catch (error) {\n // Swallow - we only care if `supports-color` is available; it doesn't have to be.\n\n }\n\n /**\n * Build
up the default `inspectOpts` object from the environment variables.\n *\n * $ DEBUG_COLORS=no

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DEBUG_DEPTH=10 DEBUG_SHOW_HIDDEN=enabled node script.js\n *\\n\\nexports.inspectOpts =
Object.keys(process.env).filter(key => {\\n\\nreturn /^debug_/i.test(key);\\n\\n}).reduce((obj, key) => {\\n\\n// Camel-
case\\n\\nconst prop = key\\n\\n\\n\\n.substring(6)\\n\\n\\n\\n.toLowerCase()\\n\\n\\n\\n.replace(/_([a-z])/g, (_, k) => {\\n\\n\\n\\nreturn
k.toUpperCase();\\n\\n\\n\\n});\\n\\n\\n\\n// Coerce string value into JS value\\n\\nlet val = process.env[key];\\n\\nif
(/^yes|on|true|enabled$/i.test(val)) {\\n\\n\\n\\nval = true;\\n\\n\\n\\n} else if (/^no|off|false|disabled$/i.test(val)) {\\n\\n\\n\\nval =
false;\\n\\n\\n\\n} else if (val === 'null') {\\n\\n\\n\\nval = null;\\n\\n\\n\\n} else {\\n\\n\\n\\nval = Number(val);\\n\\n\\n\\n}\\n\\n\\n\\nobj[prop] =
val;\\n\\n\\n\\nreturn obj;\\n\\n, {});\\n\\n\\n\\n\\n * Is stdout a TTY? Colored output is
enabled when 'true'.\\n *\\n\\n\\n\\nfunction useColors() {\\n\\n\\n\\nreturn 'colors' in exports.inspectOpts
?\\n\\n\\n\\nBoolean(exports.inspectOpts.colors) :\\n\\n\\n\\n!tty.isatty(process.stderr.fd);\\n\\n}\\n\\n\\n\\n\\n * Adds ANSI color escape
codes if enabled.\\n *\\n * @api public\\n *\\n\\n\\n\\nfunction formatArgs(args) {\\n\\n\\n\\nconst {namespace: name, useColors} =
this;\\n\\n\\n\\nif (useColors) {\\n\\n\\n\\nconst c = this.color;\\n\\n\\n\\nconst colorCode = '\\u001B[3' + (c < 8 ? c : '8;5;' +
c);\\n\\n\\n\\nconst prefix = ` ${colorCode};1m${name} \\u001B[0m`;\\n\\n\\n\\n\\n\\n\\n\\ntargs[0] = prefix + args[0].split('\\n').join('\\n'
+ prefix);\\n\\n\\n\\n\\ntargs.push(colorCode + 'm+' + module.exports.humanize(this.diff) + '\\u001B[0m');\\n\\n\\n\\n} else
{\\n\\n\\n\\n\\ntargs[0] = getDate() + name + ' ' + args[0];\\n\\n\\n\\n}\\n\\n\\n\\n\\n\\n\\n\\nfunction getDate() {\\n\\n\\n\\nif (exports.inspectOpts.hideDate)
{\\n\\n\\n\\nreturn '';\\n\\n\\n\\n}\\n\\n\\n\\nreturn new Date().toISOString() + ' ';\\n\\n}\\n\\n\\n\\n\\n * Invokes `util.format()` with the specified
arguments and writes to stderr.\\n *\\n\\n\\n\\nfunction log(...args) {\\n\\n\\n\\nreturn process.stderr.write(util.format(...args)
+ '\\n');\\n\\n}\\n\\n\\n\\n\\n * Save `namespaces`.\\n *\\n * @param {String} namespaces\\n * @api private\\n *\\n\\n\\n\\nfunction
save(namespaces) {\\n\\n\\n\\nif (namespaces) {\\n\\n\\n\\nprocess.env.DEBUG = namespaces;\\n\\n\\n\\n} else {\\n\\n\\n\\n// If you set a
process.env field to null or undefined, it gets cast to the\\n\\n\\n\\n// string 'null' or 'undefined'. Just delete
instead.\\n\\n\\n\\ndelete process.env.DEBUG;\\n\\n\\n\\n}\\n\\n}\\n\\n\\n\\n\\n * Load `namespaces`.\\n *\\n * @return {String} returns the
previously persisted debug modes\\n * @api private\\n *\\n\\n\\n\\nfunction load() {\\n\\n\\n\\nreturn
process.env.DEBUG;\\n\\n}\\n\\n\\n\\n\\n * Init logic for `debug` instances.\\n *\\n * Create a new `inspectOpts` object in
case `useColors` is set\\n * differently for a particular `debug` instance.\\n *\\n\\n\\n\\nfunction init(debug)
{\\n\\n\\n\\ndebug.inspectOpts = {};\\n\\n\\n\\nconst keys = Object.keys(exports.inspectOpts);\\n\\n\\n\\nfor (let i = 0; i < keys.length;
i++) {\\n\\n\\n\\ndebug.inspectOpts[keys[i]] = exports.inspectOpts[keys[i]];\\n\\n\\n\\n}\\n\\n\\n\\nmodule.exports =
require('./common')(exports);\\n\\n\\n\\nconst
{formatters} = module.exports;\\n\\n\\n\\n\\n * Map %o to `util.inspect()`, all on a single line.\\n *\\n\\n\\n\\nformatters.o =
function (v) {\\n\\n\\n\\nthis.inspectOpts.colors = this.useColors;\\n\\n\\n\\nreturn util.inspect(v,
this.inspectOpts)\\n\\n\\n\\n.replace(/\\s*\\n\\s*/g, ' ');\\n\\n}\\n\\n\\n\\n\\n * Map %O to `util.inspect()`, allowing multiple lines if
needed.\\n *\\n\\n\\n\\nformatters.O = function (v) {\\n\\n\\n\\nthis.inspectOpts.colors = this.useColors;\\n\\n\\n\\nreturn util.inspect(v,
this.inspectOpts);\\n\\n}\\n\\n, "module.exports = require('util');", "use strict";\\n\\n\\n\\nconst os = require('os');\\n\\n\\n\\nconst tty =
require('tty');\\n\\n\\n\\nconst hasFlag = require('has-flag');\\n\\n\\n\\nconst {env} = process;\\n\\n\\n\\nlet forceColor;\\n\\nif (hasFlag('no-
color') ||\\n\\n\\n\\n!hasFlag('no-colors') ||\\n\\n\\n\\n!hasFlag('color=false') ||\\n\\n\\n\\n!hasFlag('color=never')) {\\n\\n\\n\\nforceColor = 0;\\n\\n} else if
(hasFlag('color') ||\\n\\n\\n\\n!hasFlag('colors') ||\\n\\n\\n\\n!hasFlag('color=true') ||\\n\\n\\n\\n!hasFlag('color=always')) {\\n\\n\\n\\nforceColor =
1;\\n\\n}\\n\\n\\n\\nif ('FORCE_COLOR' in env) {\\n\\n\\n\\nif (env.FORCE_COLOR
=== 'true') {\\n\\n\\n\\nforceColor = 1;\\n\\n\\n\\n} else if (env.FORCE_COLOR === 'false') {\\n\\n\\n\\nforceColor = 0;\\n\\n\\n\\n} else
{\\n\\n\\n\\nforceColor = env.FORCE_COLOR.length === 0 ? 1 : Math.min(parseInt(env.FORCE_COLOR, 10),
3);\\n\\n\\n\\n}\\n\\n\\n\\n\\n\\n\\n\\nfunction translateLevel(level) {\\n\\n\\n\\nif (level === 0) {\\n\\n\\n\\nreturn false;\\n\\n\\n\\n}\\n\\n\\n\\nreturn
{\\n\\n\\n\\nlevel,\\n\\n\\n\\nhasBasic: true,\\n\\n\\n\\nhas256: level >= 2,\\n\\n\\n\\nhas16m: level >= 3\\n\\n\\n\\n};\\n\\n}\\n\\n\\n\\n\\n\\n\\n\\nfunction
supportsColor(stream, isTTY) {\\n\\n\\n\\nif (!forceColor) {\\n\\n\\n\\nreturn
0;\\n\\n\\n\\n}\\n\\n\\n\\nif (hasFlag('color=16m') ||\\n\\n\\n\\n!hasFlag('color=full') ||\\n\\n\\n\\n!hasFlag('color=truetcolor')) {\\n\\n\\n\\nreturn 3;\\n\\n\\n\\n}\\n\\n\\n\\nif
(hasFlag('color=256')) {\\n\\n\\n\\nreturn 2;\\n\\n\\n\\n}\\n\\n\\n\\nif (hasStream && !stream.isTTY && forceColor === undefined)
{\\n\\n\\n\\nreturn 0;\\n\\n\\n\\n}\\n\\n\\n\\nconst min = forceColor || 0;\\n\\n\\n\\nif (env.TERM === 'dumb') {\\n\\n\\n\\nreturn min;\\n\\n\\n\\n}\\n\\n\\n\\nif
(process.platform === 'win32') {\\n\\n\\n\\n// Windows 10 build 10586 is the first Windows release that supports 256
colors.\\n\\n\\n\\n// Windows
10 build 14931 is the first release that supports 16m/TrueColor.\\n\\n\\n\\nconst osRelease = os.release().split('.');\\n\\n\\n\\nif
(\\n\\n\\n\\n!Number(\\n\\n\\n\\nNumber(osRelease[0]) >= 10 &&\\n\\n\\n\\n!Number(\\n\\n\\n\\nNumber(osRelease[2]) >= 10586\\n\\n\\n\\n)) {\\n\\n\\n\\nreturn
Number(\\n\\n\\n\\nNumber(osRelease[2]) >= 14931 ? 3 : 2;\\n\\n\\n\\n}\\n\\n\\n\\nreturn 1;\\n\\n\\n\\n}\\n\\n\\n\\nif ('CI' in env) {\\n\\n\\n\\nif (!'TRAVIS',

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CIRCLECI', 'APPEYOR', 'GITLAB_CI'].some(sign => sign in env) && env.CI_NAME === 'codeship')
{\n\t\t\treturn 1;\n\t\t}\n\t\t\treturn min;\n\t\t}\n\t\t\tif ('TEAMCITY_VERSION' in env) {\n\t\t\treturn /^(9\\.(0*[1-9][\d]*)\\.|\d{2,}\\.)\.test(env.TEAMCITY_VERSION) ? 1 : 0;\n\t\t}\n\t\t\tif ('GITHUB_ACTIONS' in env)
{\n\t\t\treturn 1;\n\t\t}\n\t\t\tif (env.COLORTERM === 'truecolor') {\n\t\t\treturn 3;\n\t\t}\n\t\t\tif ('TERM_PROGRAM' in
env) {\n\t\t\tconst version = parseInt((env.TERM_PROGRAM_VERSION || '').split('.')[0], 10);\n\t\t\tswitch
(env.TERM_PROGRAM) {\n\t\t\t\tcase 'iTerm.app':\n\t\t\t\t\treturn version >= 3 ? 3 : 2;\n\t\t\t\tcase
'Apple_Terminal':\n\t\t\t\t\treturn 2;\n\t\t\t\t\t/\n\t\t\t\tNo default\n\t\t\t\t}\n\t\t\t}\n\t\t\tif (/^(-256(color)?$/i.test(env.TERM)) {\n\t\t\t\treturn 2;\n\t\t\t}\n\t\t\t\tif
(/^screen|^xterm|^vt100|^vt220|^rxvt|color|ansi|cygwin|linux/i.test(env.TERM)) {\n\t\t\t\treturn 1;\n\t\t\t}\n\t\t\t\tif
('COLORTERM' in env) {\n\t\t\t\treturn 1;\n\t\t\t}\n\t\t\t\treturn min;\n\t\t\t}\n\t\t\tfunction getSupportLevel(stream) {\n\t\t\tconst
level = supportsColor(stream, stream && stream.isTTY);\n\t\t\treturn translateLevel(level);\n\t\t\t}\n\t\t\tmodule.exports =
{\n\t\t\tsupportsColor: getSupportLevel,\n\t\t\tstdout: translateLevel(supportsColor(true, tty.isatty(1))),\n\t\t\tstderr:
translateLevel(supportsColor(true, tty.isatty(2)))\n\t\t};\n\t\t\t"use strict";\n\t\t\tmodule.exports = (flag, argv = process.argv)
=> {\n\t\t\tconst prefix = flag.startsWith('-') ? '' : (flag.length === 1 ? '-' : '--');\n\t\t\tconst position = argv.indexOf(prefix +
flag);\n\t\t\tconst terminatorPosition = argv.indexOf('--');\n\t\t\treturn position !== -1 && (terminatorPosition === -1 ||
position < terminatorPosition);\n\t\t};\n\t\t\t"use strict";\n\t\t\tObject.defineProperty(exports, '__esModule',
{\n\t\t\t\tvalue: true\n\t\t});\n\t\t\texports.default = void 0;\n\t\t\tvar _binding =
_interopRequireDefault(require(\"../binding\"));\n\t\t\tvar _helperSplitExportDeclaration =
_interopRequireDefault(require(\"@babel/helper-split-export-declaration\"));\n\t\t\tvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\t\t\tfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\t\t\tfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj,
key) : null; if (desc && (desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] =
obj[key]; } } } newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }\n\t\t\tfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\t\t\tconst renameVisitor =
{\n\t\t\tReferencedIdentifier({\n\t\t\t\tnode\n\t\t\t}, state) {\n\t\t\t\tif (node.name === state.oldName) {\n\t\t\t\t\tnode.name =
state.newName;\n\t\t\t\t}\n\t\t\t},\n\t\t\tScope(path, state) {\n\t\t\t\tif (!path.scope.bindingIdentifierEquals(state.oldName,
state.binding.identifier)) {\n\t\t\t\t\tpath.skip();\n\t\t\t\t}\n\t\t\t},\n\t\t\tAssignmentExpression|Declaration|VariableDeclarator\"(path, state) {\n\t\t\t\tif (path.isVariableDeclaration())
return;\n\t\t\t\tconst ids = path.getOuterBindingIdentifiers();\n\t\t\t\tfor (const name in ids) {\n\t\t\t\t\tif (name ===
state.oldName) ids[name].name = state.newName;\n\t\t\t\t}\n\t\t\t}\n\t\t\t}\n\t\t\t}\n\t\t\tclass Renamer {\n\t\t\t\tconstructor(binding,
oldName,
newName) {\n\t\t\t\t\tthis.newName = newName;\n\t\t\t\t\tthis.oldName = oldName;\n\t\t\t\t\tthis.binding = binding;\n\t\t\t\t}\n\t\t\t\tmaybeConvertFromExportDeclaration(parentDeclar) {\n\t\t\t\t\tconst maybeExportDeclar = parentDeclar.parentPath;\n\t\t\t\t\tif (!maybeExportDeclar.isExportDeclaration())\n\t\t\t\t\t\treturn;\n\t\t\t\t\tif
(maybeExportDeclar.isExportDefaultDeclaration() && !maybeExportDeclar.get(\"declaration\").node.id) {\n\t\t\t\t\t\treturn;\n\t\t\t\t\t}\n\t\t\t\t\t(0, _helperSplitExportDeclaration.default)(maybeExportDeclar);\n\t\t\t\t\tmaybeConvertFromClassFunctionDeclaration(path) {\n\t\t\t\t\t\treturn;\n\t\t\t\t\t\tif (!path.isFunctionDeclaration() &&
!path.isClassDeclaration()) return;\n\t\t\t\t\t\tif (this.binding.kind !== \"hoisted\") return;\n\t\t\t\t\t\tpath.node.id =
t.identifier(this.oldName);\n\t\t\t\t\t\tpath.node._blockHoist = 3;\n\t\t\t\t\t\tpath.replaceWith(t.variableDeclaration(\"let\",
[t.variableDeclarator(t.identifier(this.newName), t.toExpression(path.node)))));\n\t\t\t\t\t}\n\t\t\t\t\tmaybeConvertFromClassFunctionExpression(path) {\n\t\t\t\t\t\treturn;\n\t\t\t\t\t\tif (!path.isFunctionExpression()
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 && !path.isClassExpression()) return;\n if (this.binding.kind !== \"local\") return;\n path.node.id =
 t.identifier(this.oldName);\n this.binding.scope.parent.push({\n id: t.identifier(this.newName)\n });\n path.replaceWith(t.assignmentExpression(\"=\", t.identifier(this.newName), path.node));\n }\n\n rename(block) {\n const {\n binding,\n oldName,\n newName\n } = this;\n const {\n scope,\n path\n } =
 binding;\n const parentDeclar = path.find(path => path.isDeclaration() || path.isFunctionExpression() ||
 path.isClassExpression());\n\n if (parentDeclar) {\n const bindingIds =
 parentDeclar.getOuterBindingIdentifiers();\n\n if (bindingIds[oldName] === binding.identifier) {\n this.maybeConvertFromExportDeclaration(parentDeclar);\n }\n }\n\n scope.traverse(block || scope.block,
 renameVisitor, this);\n\n if (!block) {\n scope.removeOwnBinding(oldName);\n scope.bindings[newName]
 = binding;\n this.binding.identifier.name = newName;\n }\n\n if (binding.type === \"hoisted\") {\n }\n\n if
 (parentDeclar) {\n this.maybeConvertFromClassFunctionDeclaration(parentDeclar);\n this.maybeConvertFromClassFunctionExpression(parentDeclar);\n }\n }\n\n \n\n \n\n \n\n exports.default =
 Renamer;\", \"\\\"use strict\\\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\n exports.default =
 splitExportDeclaration;\n\n var t = _interopRequireWildcard(require(\"@babel/types\"));\n\n function
 _getRequireWildcardCache() { if (typeof WeakMap !== \"function\") return null; var cache = new WeakMap();
 _getRequireWildcardCache = function () { return cache; }; return cache; }\n\n function
 _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
 \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
 (cache && cache.has(obj)) { return cache.get(obj);
 } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for
 (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
 Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
 Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
 cache.set(obj, newObj); } return newObj; }\n\n function splitExportDeclaration(exportDeclaration) {\n if
 (!exportDeclaration.isExportDeclaration()) {\n throw new Error(\"Only export declarations can be split.\");\n }
 }\n\n const isDefault = exportDeclaration.isExportDefaultDeclaration();\n const declaration =
 exportDeclaration.get(\"declaration\");\n const isClassDeclaration = declaration.isClassDeclaration();\n\n if
 (isDefault) {\n const standaloneDeclaration = declaration.isFunctionDeclaration() || isClassDeclaration;\n const
 scope = declaration.isScope()
 ? declaration.scope.parent : declaration.scope;\n let id = declaration.node.id;\n let needBindingRegistration =
 false;\n\n if (!id) {\n needBindingRegistration = true;\n id = scope.generateUidIdentifier(\"default\");\n }\n\n if (standaloneDeclaration || declaration.isFunctionExpression() || declaration.isClassExpression()) {\n
 declaration.node.id = t.cloneNode(id);\n }\n\n const updatedDeclaration = standaloneDeclaration ?
 declaration : t.variableDeclaration(\"var\", [t.variableDeclarator(t.cloneNode(id), declaration.node)]);\n const
 updatedExportDeclaration = t.exportNamedDeclaration(null, [t.exportSpecifier(t.cloneNode(id),
 t.identifier(\"default\"))]);\n exportDeclaration.insertAfter(updatedExportDeclaration);\n exportDeclaration.replaceWith(updatedDeclaration);\n\n if (needBindingRegistration) {\n scope.registerDeclaration(exportDeclaration);\n }\n\n return exportDeclaration;\n }\n\n if
 (exportDeclaration.get(\"specifiers\").length
 > 0) {\n throw new Error(\"It doesn't make sense to split exported specifiers.\");\n }\n\n const bindingIdentifiers
 = declaration.getOuterBindingIdentifiers();\n const specifiers = Object.keys(bindingIdentifiers).map(name => {\n
 return t.exportSpecifier(t.identifier(name), t.identifier(name));\n });\n const aliasDeclar =
 t.exportNamedDeclaration(null, specifiers);\n exportDeclaration.insertAfter(aliasDeclar);\n exportDeclaration.replaceWith(declaration.node);\n return exportDeclaration;\n}\", \"\\\"use
 strict\\\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\n exports.default = void 0;\n\n var
 _buildMatchMemberExpression = require(\"../buildMatchMemberExpression\");\n\n const isReactComponent = (0,
 _buildMatchMemberExpression.default)(\"React.Component\");\n var _default =
 isReactComponent;\n\n exports.default = _default;\n\n \"\\\"use strict\\\";\n\n Object.defineProperty(exports, \"__esModule\",

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{\n value: true\n});\nexports.default = isCompatTag;\n\nfunction
isCompatTag(tagName) {\n return !!tagName && /^[a-z]/.test(tagName);\n},""use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default =
buildChildren;\n\nvar _generated = require(\"../validators/generated\");\n\nvar _cleanJSXElementLiteralChild =
require(\"../utils/react/cleanJSXElementLiteralChild\");\n\nfunction buildChildren(node) {\n const elements =
[];\n\n for (let i = 0; i < node.children.length; i++) {\n let child = node.children[i];\n\n if ((0,
_generated.isJSXText)(child)) {\n (0, _cleanJSXElementLiteralChild.default)(child, elements);\n continue;\n
}\n\n if ((0, _generated.isJSXExpressionContainer)(child)) child = child.expression;\n if ((0,
_generated.isJSXEmptyExpression)(child)) continue;\n elements.push(child);\n }\n\n return elements;\n},""use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default =
cleanJSXElementLiteralChild;\n\nvar
_generated = require(\"../builders/generated\");\n\nfunction cleanJSXElementLiteralChild(child, args) {\n const
lines = child.value.split(/\\r\\n|\\n|\\r/);\n let lastNonEmptyLine = 0;\n\n for (let i = 0; i < lines.length; i++) {\n if
(lines[i].match(/^[\\t]/)) {\n lastNonEmptyLine = i;\n }\n\n let str = \"\";\n\n for (let i = 0; i < lines.length;
i++) {\n const line = lines[i];\n const isFirstLine = i === 0;\n const isLastLine = i === lines.length - 1;\n
const isLastNonEmptyLine = i === lastNonEmptyLine;\n let trimmedLine = line.replace(/\\t/g, \" \");\n\n if
(!isFirstLine) {\n trimmedLine = trimmedLine.replace(/^[]+/, \"\");\n }\n\n if (!isLastLine) {\n
trimmedLine = trimmedLine.replace(/[]+$/, \"\");\n }\n\n if (trimmedLine) {\n if (!isLastNonEmptyLine) {\n
trimmedLine += \" \";\n }\n\n str += trimmedLine;\n }\n }\n\n if (str) args.push((0,
_generated.stringLiteral)(str));\n},""use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default = builder;\n\nvar
_definitions = require(\"../definitions\");\n\nvar _validate = require(\"../validators/validate\");\n\nfunction
builder(type, ...args) {\n const keys = _definitions.BUILDER_KEYS[type];\n const countArgs = args.length;\n\n if
(countArgs > keys.length) {\n throw new Error(`$${type}: Too many arguments passed. Received $${countArgs}
but can receive no more than $${keys.length}`);\n }\n\n const node = {\n type\n }; \n let i = 0;\n
keys.forEach(key => {\n const field = _definitions.NODE_FIELDS[type][key];\n let arg;\n if (i < countArgs)
arg = args[i];\n\n if (arg === undefined) {\n arg = Array.isArray(field.default) ? [] : field.default;\n }\n\n
node[key] = arg;\n i++;\n });\n\n for (const key of Object.keys(node)) {\n (0, _validate.default)(node, key,
node[key]);\n }\n\n return node;\n},""use strict";\n\nvar _utils = require(\"../utils\");\n\nconst
defineInterfaceishType = (name, typeParameterType = \"TypeParameterDeclaration\") => {\n (0,
_utils.default)(name, {\n builder: [\"id\", \"typeParameters\", \"extends\", \"body\"],\n visitor: [\"id\",
\"typeParameters\", \"extends\", \"mixins\", \"implements\", \"body\"],\n aliases: [\"Flow\", \"FlowDeclaration\",
\"Statement\", \"Declaration\"],\n fields: {\n id: (0, _utils.validateType)(\"Identifier\"),\n typeParameters: (0,
_utils.validateOptionalType)(typeParameterType),\n extends: (0, _utils.validateOptional)((0,
_utils.arrayOfType)(\"InterfaceExtends\")),\n mixins: (0, _utils.validateOptional)((0,
_utils.arrayOfType)(\"InterfaceExtends\")),\n implements: (0, _utils.validateOptional)((0,
_utils.arrayOfType)(\"ClassImplements\")),\n body: (0, _utils.validateType)(\"ObjectTypeAnnotation\")\n }\n
});\n\n(0, _utils.default)(\"AnyTypeAnnotation\", {\n aliases: [\"Flow\", \"FlowType\",
\"FlowBaseAnnotation\"]\n});\n(0,
_utils.default)(\"ArrayTypeAnnotation\", {\n visitor: [\"elementType\"],\n aliases: [\"Flow\", \"FlowType\"],\n
fields: {\n elementType: (0, _utils.validateType)(\"FlowType\")\n }\n});\n(0,
_utils.default)(\"BooleanTypeAnnotation\", {\n aliases: [\"Flow\", \"FlowType\",
\"FlowBaseAnnotation\"]\n});\n(0, _utils.default)(\"BooleanLiteralTypeAnnotation\", {\n builder: [\"value\"],\n
aliases: [\"Flow\", \"FlowType\"],\n fields: {\n value: (0, _utils.validate)((0,
_utils.assertValueType)(\"boolean\"))\n }\n});\n(0, _utils.default)(\"NullLiteralTypeAnnotation\", {\n aliases:
[\"Flow\", \"FlowType\", \"FlowBaseAnnotation\"]\n});\n(0, _utils.default)(\"ClassImplements\", {\n visitor: [\"id\",
\"typeParameters\"],\n aliases: [\"Flow\"],\n fields: {\n id: (0, _utils.validateType)(\"Identifier\"),\n
typeParameters: (0, _utils.validateOptionalType)(\"TypeParameterInstantiation\")\n

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_utils.validateOptional)((0, _utils.arrayOfType)("InterfaceExtends")), \n
 body: (0, _utils.validateType)("ObjectTypeAnnotation") \n } \n}); \n(0,
_utils.default)("IntersectionTypeAnnotation", { \n visitor: ["types"], \n aliases: ["Flow", "FlowType"], \n
fields: { \n types: (0, _utils.validate)((0, _utils.arrayOfType)("FlowType")) \n } \n}); \n(0,
_utils.default)("MixedTypeAnnotation", { \n aliases: ["Flow", "FlowType", "FlowBaseAnnotation"] \n }); \n(0,
_utils.default)("EmptyTypeAnnotation", { \n aliases: ["Flow", "FlowType", "FlowBaseAnnotation"] \n }); \n(0,
_utils.default)("NullableTypeAnnotation", { \n visitor: ["typeAnnotation"], \n aliases: ["Flow", "FlowType"], \n
fields: { \n typeAnnotation: (0, _utils.validateType)("FlowType") \n } \n }); \n(0,
_utils.default)("NumberLiteralTypeAnnotation", { \n builder: ["value"], \n aliases: ["Flow", "FlowType"], \n
fields: { \n value: (0, _utils.validate)((0, _utils.assertValueType)("number")) \n } \n }); \n(0,
_utils.default)("NumberTypeAnnotation",
 { \n aliases: ["Flow", "FlowType", "FlowBaseAnnotation"] \n }); \n(0, _utils.default)("ObjectTypeAnnotation",
 { \n visitor: ["properties", "indexers", "callProperties", "internalSlots"], \n aliases: ["Flow", "FlowType"], \n
builder: ["properties", "indexers", "callProperties", "internalSlots", "exact"], \n fields: { \n properties: (0,
_utils.validate)((0, _utils.arrayOfType)(["ObjectTypeProperty", "ObjectTypeSpreadProperty"])), \n indexers: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeIndexer")), \n callProperties: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeCallProperty")), \n internalSlots: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeInternalSlot")), \n exact: { \n validate: (0,
_utils.assertValueType)("boolean"), \n default: false \n }, \n inexact: (0, _utils.validateOptional)((0,
_utils.assertValueType)("boolean")) \n } \n }); \n(0, _utils.default)("ObjectTypeInternalSlot",
 { \n visitor: ["id", "value", "optional", "static", "method"], \n aliases: ["Flow", "UserWhitespacable"], \n
fields: { \n id: (0, _utils.validateType)("Identifier"), \n value: (0, _utils.validateType)("FlowType"), \n
optional: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n static: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")), \n method: (0, _utils.validate)((0, _utils.assertValueType)("boolean")) \n
} \n }); \n(0, _utils.default)("ObjectTypeCallProperty", { \n visitor: ["value"], \n aliases: ["Flow",
"UserWhitespacable"], \n fields: { \n value: (0, _utils.validateType)("FlowType"), \n static: (0,
_utils.validate)((0, _utils.assertValueType)("boolean")) \n } \n }); \n(0, _utils.default)("ObjectTypeIndexer", { \n
visitor: ["id", "key", "value", "variance"], \n aliases: ["Flow", "UserWhitespacable"], \n fields: { \n id: (0,
_utils.validateOptionalType)("Identifier"), \n
key: (0, _utils.validateType)("FlowType"), \n value: (0, _utils.validateType)("FlowType"), \n static: (0,
_utils.validate)((0, _utils.assertValueType)("boolean")), \n variance: (0,
_utils.validateOptionalType)("Variance") \n } \n }); \n(0, _utils.default)("ObjectTypeProperty", { \n visitor:
["key", "value", "variance"], \n aliases: ["Flow", "UserWhitespacable"], \n fields: { \n key: (0,
_utils.validateType)(["Identifier", "StringLiteral"]), \n value: (0, _utils.validateType)("FlowType"), \n kind:
(0, _utils.validate)((0, _utils.assertOneOf)("init", "get", "set")), \n static: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")), \n proto: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n
optional: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n variance: (0,
_utils.validateOptionalType)("Variance"), \n method: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")) \n } \n }); \n(0, _utils.default)("ObjectTypeSpreadProperty",
 { \n visitor: ["argument"], \n aliases: ["Flow", "UserWhitespacable"], \n fields: { \n argument: (0,
_utils.validateType)("FlowType") \n } \n }); \n(0, _utils.default)("OpaqueType", { \n visitor: ["id",
"typeParameters", "supertype", "impltype"], \n aliases: ["Flow", "FlowDeclaration", "Statement",
"Declaration"], \n fields: { \n id: (0, _utils.validateType)("Identifier"), \n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"), \n supertype: (0,
_utils.validateOptionalType)("FlowType"), \n impltype: (0, _utils.validateType)("FlowType") \n } \n }); \n(0,
_utils.default)("QualifiedTypeIdentifier", { \n visitor: ["id", "qualification"], \n aliases: ["Flow"], \n fields: { \n
id: (0, _utils.validateType)("Identifier"), \n qualification: (0, _utils.validateType)(["Identifier",
"QualifiedTypeIdentifier"]) \n } \n }); \n(0, _utils.default)("StringLiteralTypeAnnotation", { \n

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builder: [\value\],\n aliases: [\Flow\, \FlowType\],\n fields: {\n value: (0, _utils.validate)((0,
_utils.assertValueType)("string"))\n }\n});\n(0, _utils.default)("StringTypeAnnotation", {\n aliases: [\Flow\,
\FlowType\, \FlowBaseAnnotation\]\n});\n(0, _utils.default)("SymbolTypeAnnotation", {\n aliases: [\Flow\,
\FlowType\, \FlowBaseAnnotation\]\n});\n(0, _utils.default)("ThisTypeAnnotation", {\n aliases: [\Flow\,
\FlowType\, \FlowBaseAnnotation\]\n});\n(0, _utils.default)("TupleTypeAnnotation", {\n visitor:
["types"],\n aliases: [\Flow\, \FlowType\],\n fields: {\n types: (0, _utils.validate)((0,
_utils.arrayOfType)("FlowType"))\n }\n});\n(0, _utils.default)("TypeofTypeAnnotation", {\n visitor:
["argument"],\n aliases: [\Flow\, \FlowType\],\n fields: {\n argument: (0,
_utils.validateType)("FlowType")\n }\n});\n(0, _utils.default)("TypeAlias", {\n visitor: [\id\,
"typeParameters", "right"],\n aliases:
[\Flow\, \FlowDeclaration\, \Statement\, \Declaration\],\n fields: {\n id: (0,
_utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n right: (0, _utils.validateType)("FlowType")\n
}\n});\n(0, _utils.default)("TypeAnnotation", {\n aliases: [\Flow\],\n visitor: [\typeAnnotation\],\n fields: {\n
typeAnnotation: (0, _utils.validateType)("FlowType")\n }\n});\n(0, _utils.default)("TypeCastExpression", {\n
visitor: [\expression\, \typeAnnotation\],\n aliases: [\Flow\, \ExpressionWrapper\, \Expression\],\n fields:
{\n expression: (0, _utils.validateType)("Expression"),\n typeAnnotation: (0,
_utils.validateType)("TypeAnnotation")\n }\n});\n(0, _utils.default)("TypeParameter", {\n aliases: [\Flow\],\n
visitor: [\bound\, \default\, \variance\],\n fields: {\n name: (0, _utils.validate)((0,
_utils.assertValueType)("string")), \n bound: (0, _utils.validateOptionalType)("TypeAnnotation"), \n
default: (0, _utils.validateOptionalType)("FlowType"), \n variance: (0,
_utils.validateOptionalType)("Variance")\n }\n});\n(0, _utils.default)("TypeParameterDeclaration", {\n aliases:
[\Flow\],\n visitor: [\params\],\n fields: {\n params: (0, _utils.validate)((0,
_utils.arrayOfType)("TypeParameter"))\n }\n});\n(0, _utils.default)("TypeParameterInstantiation", {\n aliases:
[\Flow\],\n visitor: [\params\],\n fields: {\n params: (0, _utils.validate)((0,
_utils.arrayOfType)("FlowType"))\n }\n});\n(0, _utils.default)("UnionTypeAnnotation", {\n visitor:
["types"],\n aliases: [\Flow\, \FlowType\],\n fields: {\n types: (0, _utils.validate)((0,
_utils.arrayOfType)("FlowType"))\n }\n});\n(0, _utils.default)("Variance", {\n aliases: [\Flow\],\n builder:
["kind"],\n fields: {\n kind: (0, _utils.validate)((0, _utils.assertOneOf)("minus", "plus"))\n }\n});\n(0,
_utils.default)("VoidTypeAnnotation",
{\n aliases: [\Flow\, \FlowType\, \FlowBaseAnnotation\]\n});\n(0, _utils.default)("EnumDeclaration", {\n
aliases: [\Statement\, \Declaration\],\n visitor: [\id\, \body\],\n fields: {\n id: (0,
_utils.validateType)("Identifier"),\n body: (0, _utils.validateType)([\EnumBooleanBody\,
\EnumNumberBody\, \EnumStringBody\, \EnumSymbolBody\])\n }\n});\n(0,
_utils.default)("EnumBooleanBody", {\n aliases: [\EnumBody\],\n visitor: [\members\],\n fields: {\n
explicitType: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n members: (0,
_utils.validateArrayOfType)("EnumBooleanMember"), \n hasUnknownMembers: (0, _utils.validate)((0,
_utils.assertValueType)("boolean"))\n }\n});\n(0, _utils.default)("EnumNumberBody", {\n aliases:
[\EnumBody\],\n visitor: [\members\],\n fields: {\n explicitType: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")), \n members: (0, _utils.validateArrayOfType)("EnumNumberMember"), \n
hasUnknownMembers: (0, _utils.validate)((0, _utils.assertValueType)("boolean"))\n }\n});\n(0,
_utils.default)("EnumStringBody", {\n aliases: [\EnumBody\],\n visitor: [\members\],\n fields: {\n
explicitType: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n members: (0,
_utils.validateArrayOfType)([\EnumStringMember\, \EnumDefaultedMember\]), \n hasUnknownMembers: (0,
_utils.validate)((0, _utils.assertValueType)("boolean"))\n }\n});\n(0, _utils.default)("EnumSymbolBody", {\n
aliases: [\EnumBody\],\n visitor: [\members\],\n fields: {\n members: (0,
_utils.validateArrayOfType)("EnumDefaultedMember"), \n hasUnknownMembers: (0, _utils.validate)((0,
_utils.assertValueType)("boolean"))\n }\n});\n(0, _utils.default)("EnumBooleanMember", {\n aliases:

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["EnumMember"],\n visitor: ["id"],\n fields: {\n id: (0, _utils.validateType)("Identifier"),\n init: (0,
_utils.validateType)("BooleanLiteral")\n
 }\n});\n(0, _utils.default)("EnumNumberMember", {\n aliases: ["EnumMember"],\n visitor: ["id", "init"],\n
fields: {\n id: (0, _utils.validateType)("Identifier"),\n init: (0, _utils.validateType)("NumericLiteral")\n
 }\n});\n(0, _utils.default)("EnumStringMember", {\n aliases: ["EnumMember"],\n visitor: ["id", "init"],\n
fields: {\n id: (0, _utils.validateType)("Identifier"),\n init: (0, _utils.validateType)("StringLiteral")\n
 }\n});\n(0, _utils.default)("EnumDefaultedMember", {\n aliases: ["EnumMember"],\n visitor: ["id"],\n fields:
{\n id: (0, _utils.validateType)("Identifier")\n }\n});\n(0, _utils.default)("IndexedAccessType", {\n visitor:
["objectType", "indexType"],\n aliases: ["Flow", "FlowType"],\n fields: {\n objectType: (0,
_utils.validateType)("FlowType"),\n indexType: (0, _utils.validateType)("FlowType")\n }\n});\n(0,
_utils.default)("OptionalIndexedAccessType", {\n visitor: ["objectType",
 "indexType"],\n aliases: ["Flow", "FlowType"],\n fields: {\n objectType: (0,
_utils.validateType)("FlowType"),\n indexType: (0, _utils.validateType)("FlowType"),\n optional: (0,
_utils.validate)((0, _utils.assertValueType)("boolean"))\n }\n});\n";\n\nvar _utils =
require("../utils");\n\n(0, _utils.default)("JSXAttribute", {\n visitor: ["name", "value"],\n aliases: ["JSX",
 "Immutable"],\n fields: {\n name: {\n validate: (0, _utils.assertNodeType)("JSXIdentifier",
 "JSXNamespacedName")\n },\n value: {\n optional: true,\n validate: (0,
_utils.assertNodeType)("JSXElement", "JSXFragment", "StringLiteral", "JSXExpressionContainer")\n }\n
 }\n});\n(0, _utils.default)("JSXClosingElement", {\n visitor: ["name"],\n aliases: ["JSX", "Immutable"],\n
fields: {\n name: {\n validate: (0, _utils.assertNodeType)("JSXIdentifier", "JSXMemberExpression",
 "JSXNamespacedName")\n }\n }\n});\n(0, _utils.default)("JSXElement", {\n builder: ["openingElement", "closingElement", "children",
 "selfClosing"],\n visitor: ["openingElement", "children", "closingElement"],\n aliases: ["JSX",
 "Immutable", "Expression"],\n fields: {\n openingElement: {\n validate: (0,
_utils.assertNodeType)("JSXOpeningElement")\n },\n closingElement: {\n optional: true,\n validate: (0,
_utils.assertNodeType)("JSXClosingElement")\n },\n children: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("JSXText",
 "JSXExpressionContainer", "JSXSpreadChild", "JSXElement", "JSXFragment")))\n },\n selfClosing: {\n
validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n }\n }\n});\n(0,
_utils.default)("JSXEmptyExpression", {\n aliases: ["JSX"]\n});\n(0, _utils.default)("JSXExpressionContainer",
{\n visitor: ["expression"],\n
 aliases: ["JSX", "Immutable"],\n fields: {\n expression: {\n validate: (0,
_utils.assertNodeType)("Expression", "JSXEmptyExpression")\n }\n }\n});\n(0,
_utils.default)("JSXSpreadChild", {\n visitor: ["expression"],\n aliases: ["JSX", "Immutable"],\n fields: {\n
expression: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n }\n});\n(0,
_utils.default)("JSXIdentifier", {\n builder: ["name"],\n aliases: ["JSX"],\n fields: {\n name: {\n
validate: (0, _utils.assertValueType)("string")\n }\n }\n});\n(0, _utils.default)("JSXMemberExpression", {\n visitor:
["object", "property"],\n aliases: ["JSX"],\n fields: {\n object: {\n validate: (0,
_utils.assertNodeType)("JSXMemberExpression", "JSXIdentifier")\n },\n property: {\n validate: (0,
_utils.assertNodeType)("JSXIdentifier")\n }\n }\n});\n(0, _utils.default)("JSXNamespacedName", {\n visitor:
["namespace", "name"],\n
 aliases: ["JSX"],\n fields: {\n namespace: {\n validate: (0, _utils.assertNodeType)("JSXIdentifier")\n },\n
name: {\n validate: (0, _utils.assertNodeType)("JSXIdentifier")\n }\n }\n});\n(0,
_utils.default)("JSXOpeningElement", {\n builder: ["name", "attributes", "selfClosing"],\n visitor: ["name",
 "attributes"],\n aliases: ["JSX", "Immutable"],\n fields: {\n name: {\n validate: (0,
_utils.assertNodeType)("JSXIdentifier", "JSXMemberExpression", "JSXNamespacedName")\n },\n
selfClosing: {\n default: false\n },\n attributes: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("JSXAttribute",

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\'JSXSpreadAttribute\')))\n },\n typeParameters: {\n validate: (0,
_utils.assertNodeType)(\'TypeParameterInstantiation\', \'TSTypeParameterInstantiation\'),\n optional: true\n
}\n }\n});\n(0, _utils.default)(\'JSXSpreadAttribute\',
{\n visitor: [\'argument\'],\n aliases: [\'JSX\'],\n fields: {\n argument: {\n validate: (0,
_utils.assertNodeType)(\'Expression\')\n }\n }\n});\n(0, _utils.default)(\'JSXText\', {\n aliases: [\'JSX\',
\'Immutable\'],\n builder: [\'value\'],\n fields: {\n value: {\n validate: (0, _utils.assertValueType)(\'string\')\n
}\n }\n});\n(0, _utils.default)(\'JSXFragment\', {\n builder: [\'openingFragment\', \'closingFragment\',
\'children\'],\n visitor: [\'openingFragment\', \'children\', \'closingFragment\'],\n aliases: [\'JSX\',
\'Immutable\', \'Expression\'],\n fields: {\n openingFragment: {\n validate: (0,
_utils.assertNodeType)(\'JSXOpeningFragment\')\n },\n closingFragment: {\n validate: (0,
_utils.assertNodeType)(\'JSXClosingFragment\')\n },\n children: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)(\'array\'), (0, _utils.assertEach)((0, _utils.assertNodeType)(\'JSXText\',
\'JSXExpressionContainer\',
\'JSXSpreadChild\', \'JSXElement\', \'JSXFragment\')))\n }\n }\n});\n(0,
_utils.default)(\'JSXOpeningFragment\', {\n aliases: [\'JSX\', \'Immutable\']\n});\n(0,
_utils.default)(\'JSXClosingFragment\', {\n aliases: [\'JSX\', \'Immutable\']\n});\n";\n"use strict";\n\nvar _utils =
require(\'./utils\');\n\nvar _placeholders = require(\'./placeholders\');\n\n{\n (0, _utils.default)(\'Noop\', {\n
visitor: []\n });\n}\n(0, _utils.default)(\'Placeholder\', {\n visitor: [],\n builder: [\'expectedNode\', \'name\'],\n
fields: {\n name: {\n validate: (0, _utils.assertNodeType)(\'Identifier\')\n },\n expectedNode: {\n
validate: (0, _utils.assertOneOf)(..._placeholders.PLACEHOLDERS)\n }\n }\n});\n(0,
_utils.default)(\'V8IntrinsicIdentifier\', {\n builder: [\'name\'],\n fields: {\n name: {\n validate: (0,
_utils.assertValueType)(\'string\')\n }\n }\n});\n";\n"use strict";\n\nvar _utils = require(\'./utils\');\n\nvar _core =
require(\'./core\');\n\n(0,
_utils.default)(\'ArgumentPlaceholder\', {});\n(0, _utils.default)(\'BindExpression\', {\n visitor: [\'object\',
\'callee\'],\n aliases: [\'Expression\'],\n fields: !process.env.BABEL_TYPES_8_BREAKING ? {\n object: {\n
validate: Object.assign(() => {}, {\n oneOfNodeTypes: [\'Expression\']\n })\n },\n callee: {\n
validate: Object.assign(() => {}, {\n oneOfNodeTypes: [\'Expression\']\n })\n }\n } : {\n object: {\n
validate: (0, _utils.assertNodeType)(\'Expression\')\n },\n callee: {\n validate: (0,
_utils.assertNodeType)(\'Expression\')\n }\n }\n});\n(0, _utils.default)(\'ClassProperty\', {\n visitor: [\'key\',
\'value\', \'typeAnnotation\', \'decorators\'],\n builder: [\'key\', \'value\', \'typeAnnotation\', \'decorators\',
\'computed\', \'static\'],\n aliases: [\'Property\'],\n fields: Object.assign({},
_core.classMethodOrPropertyCommon, {\n value: {\n validate: (0, _utils.assertNodeType)(\'Expression\'),\n
optional: true\n },\n definite: {\n validate: (0, _utils.assertValueType)(\'boolean\'),\n optional: true\n
},\n typeAnnotation: {\n validate: (0, _utils.assertNodeType)(\'TypeAnnotation\', \'TSTypeAnnotation\',
\'Noop\'),\n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)(\'array\'), (0, _utils.assertEach)((0, _utils.assertNodeType)(\'Decorator\')))\n },\n
optional: true\n },\n readonly: {\n validate: (0, _utils.assertValueType)(\'boolean\'),\n optional: true\n },\n
declare: {\n validate: (0, _utils.assertValueType)(\'boolean\'),\n optional: true\n }\n }\n});\n(0,
_utils.default)(\'PipelineTopicExpression\', {\n builder: [\'expression\'],\n visitor: [\'expression\'],\n fields: {\n
expression: {\n validate: (0, _utils.assertNodeType)(\'Expression\')\n }\n }\n});\n(0,
_utils.default)(\'PipelineBareFunction\', {\n builder: [\'callee\'],\n
visitor: [\'callee\'],\n fields: {\n callee: {\n validate: (0, _utils.assertNodeType)(\'Expression\')\n }\n
}\n});\n(0, _utils.default)(\'PipelinePrimaryTopicReference\', {\n aliases: [\'Expression\']\n });\n(0,
_utils.default)(\'ClassPrivateProperty\', {\n visitor: [\'key\', \'value\', \'decorators\'],\n builder: [\'key\',
\'value\', \'decorators\', \'static\'],\n aliases: [\'Property\', \'Private\'],\n fields: {\n key: {\n
validate: (0, _utils.assertNodeType)(\'PrivateName\')\n },\n value: {\n validate: (0,
_utils.assertNodeType)(\'Expression\'),\n optional: true\n },\n typeAnnotation: {\n validate: (0,
_utils.assertNodeType)(\'TypeAnnotation\', \'TSTypeAnnotation\', \'Noop\'),\n optional: true\n },\n

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decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator"))),\n optional: true\n } \n } \n});\n(0,
_utils.default)("ClassPrivateMethod",
{\n builder: ["kind", "key", "params", "body", "static"],\n visitor: ["key", "params", "body",
"decorators", "returnType", "typeParameters"],\n aliases: ["Function", "Scopable", "BlockParent",
"FunctionParent", "Method", "Private"],\n fields: Object.assign({},
_core.classMethodOrDeclareMethodCommon, _core.functionTypeAnnotationCommon, {\n key: {\n validate:
(0, _utils.assertNodeType)("PrivateName")\n },\n body: {\n validate: (0,
_utils.assertNodeType)("BlockStatement")\n } \n } \n});\n(0, _utils.default)("ImportAttribute", {\n visitor:
["key", "value"],\n fields: {\n key: {\n validate: (0, _utils.assertNodeType)("Identifier", "StringLiteral")\n
},\n value: {\n validate: (0, _utils.assertNodeType)("StringLiteral")\n } \n } \n});\n(0,
_utils.default)("Decorator", {\n visitor: ["expression"],\n fields: {\n expression: {\n validate: (0,
_utils.assertNodeType)("Expression")\n } \n } \n});\n(0, _utils.default)("DoExpression", {\n visitor: ["body"],\n builder: ["body", "async"],\n
aliases: ["Expression"],\n fields: {\n body: {\n validate: (0, _utils.assertNodeType)("BlockStatement")\n
},\n async: {\n validate: (0, _utils.assertValueType)("boolean"),\n default: false\n } \n } \n});\n(0,
_utils.default)("ExportDefaultSpecifier", {\n visitor: ["exported"],\n aliases: ["ModuleSpecifier"],\n fields: {\n
exported: {\n validate: (0, _utils.assertNodeType)("Identifier")\n } \n } \n});\n(0,
_utils.default)("PrivateName", {\n visitor: ["id"],\n aliases: ["Private"],\n fields: {\n id: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n } \n } \n});\n(0, _utils.default)("RecordExpression", {\n visitor:
["properties"],\n aliases: ["Expression"],\n fields: {\n properties: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"),
(0, _utils.assertEach)((0, _utils.assertNodeType)("ObjectProperty", "SpreadElement")))\n } \n } \n});\n(0,
_utils.default)("TupleExpression", {\n fields: {\n elements: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression",
"SpreadElement")))\n },\n default: []\n } \n },\n visitor: ["elements"],\n aliases: ["Expression"] \n});\n(0,
_utils.default)("DecimalLiteral", {\n builder: ["value"],\n fields: {\n value: {\n validate: (0,
_utils.assertValueType)("string")\n } \n },\n aliases: ["Expression", "Pureish", "Literal",
"Immutable"] \n});\n(0, _utils.default)("StaticBlock", {\n visitor: ["body"],\n fields: {\n body: {\n validate:
(0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Statement")))\n } \n },\n aliases: ["Scopable", "BlockParent"] \n});\n(0,
_utils.default)("ModuleExpression",
{\n visitor: ["body"],\n fields: {\n body: {\n validate: (0, _utils.assertNodeType)("Program")\n } \n },\n
aliases: ["Expression"] \n});\n";\n\n"use strict";\n\nvar _utils = require("./utils");\n\nvar _core =
require("./core");\n\nconst bool = (0, _utils.assertValueType)("boolean");\n\nconst
tSFunctionTypeAnnotationCommon = {\n returnType: {\n validate: (0,
_utils.assertNodeType)("TSTypeAnnotation", "Noop"),\n optional: true\n },\n typeParameters: {\n validate:
(0, _utils.assertNodeType)("TSTypeParameterDeclaration", "Noop"),\n optional: true\n } \n};\n(0,
_utils.default)("TSParameterProperty", {\n aliases: ["LVal"],\n visitor: ["parameter"],\n fields: {\n
accessibility: {\n validate: (0, _utils.assertOneOf)("public", "private", "protected"),\n optional: true\n
},\n readonly: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n parameter:
{\n validate:
(0, _utils.assertNodeType)("Identifier", "AssignmentPattern")\n } \n } \n});\n(0,
_utils.default)("TSDeclareFunction", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"typeParameters", "params", "returnType"],\n fields: Object.assign({}, _core.functionDeclarationCommon,
tSFunctionTypeAnnotationCommon) \n});\n(0, _utils.default)("TSDeclareMethod", {\n visitor: ["decorators",
"key", "typeParameters", "params", "returnType"],\n fields: Object.assign({},
_core.classMethodOrDeclareMethodCommon, tSFunctionTypeAnnotationCommon) \n});\n(0,

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_utils.default)("TSQualifiedName", {
 aliases: ["TSEntityName"],
 visitor: ["left", "right"],
 fields: {
 left: (0, _utils.validateType)("TSEntityName"),
 right: (0, _utils.validateType)("Identifier")
 }
});
const signatureDeclarationCommon = {
 typeParameters: (0, _utils.validateOptionalType)("TSTypeParameterDeclaration"),
 parameters: (0, _utils.validateArrayOfType)("Identifier", "RestElement"),
 typeAnnotation: (0, _utils.validateOptionalType)("TSTypeAnnotation")
};
const callConstructSignatureDeclaration = {
 aliases: ["TSTypeElement"],
 visitor: ["typeParameters", "parameters", "typeAnnotation"],
 fields: signatureDeclarationCommon
};
const _utils.default)("TSCallSignatureDeclaration", callConstructSignatureDeclaration);
const _utils.default)("TSConstructSignatureDeclaration", callConstructSignatureDeclaration);
const namedTypeElementCommon = {
 key: (0, _utils.validateType)("Expression"),
 computed: (0, _utils.validate)(bool),
 optional: (0, _utils.validateOptional)(bool)
};
const _utils.default)("TSPropertySignature", {
 aliases: ["TSTypeElement"],
 visitor: ["key", "typeAnnotation", "initializer"],
 fields: Object.assign({}, namedTypeElementCommon, {
 readonly: (0, _utils.validateOptional)(bool),
 typeAnnotation: (0, _utils.validateOptionalType)("TSTypeAnnotation"),
 initializer: (0, _utils.validateOptionalType)("Expression")
 })
});
const _utils.default)("TSMethodSignature", {
 aliases: ["TSTypeElement"],
 visitor: ["key", "typeParameters", "parameters", "typeAnnotation"],
 fields: Object.assign({}, signatureDeclarationCommon, namedTypeElementCommon, {
 kind: {
 validate: (0, _utils.assertOneOf)("method", "get", "set")
 }
 })
});
const _utils.default)("TSIndexSignature", {
 aliases: ["TSTypeElement"],
 visitor: ["parameters", "typeAnnotation"],
 fields: {
 readonly: (0, _utils.validateOptional)(bool),
 static: (0, _utils.validateOptional)(bool),
 parameters: (0, _utils.validateArrayOfType)("Identifier"),
 typeAnnotation: (0, _utils.validateOptionalType)("TSTypeAnnotation")
 }
});
const tsKeywordTypes = ["TSAnyKeyword", "TSBooleanKeyword", "TSBigIntKeyword", "TSIntrinsicKeyword", "TSNeverKeyword", "TSNullKeyword", "TSNumberKeyword", "TSObjectKeyword", "TSStringKeyword", "TSSymbolKeyword", "TSUndefinedKeyword", "TSUnknownKeyword", "TSVoidKeyword"];
for (const type of tsKeywordTypes) {
 (0, _utils.default)(type, {
 aliases: ["TSType", "TSBaseType"],
 visitor: [],
 fields: {}
 });
}
const _utils.default)("TSThisType", {
 aliases: ["TSType", "TSBaseType"],
 visitor: [],
 fields: {}
});
const fnOrCtrBase = {
 aliases: ["TSType"],
 visitor: ["typeParameters", "parameters", "typeAnnotation"]
};
const _utils.default)("TSFunctionType", Object.assign({}, fnOrCtrBase, {
 fields: signatureDeclarationCommon
}));
const _utils.default)("TSConstructorType", Object.assign({}, fnOrCtrBase, {
 fields: Object.assign({}, signatureDeclarationCommon, {
 abstract: (0, _utils.validateOptional)(bool)
 })
}));
const _utils.default)("TSTypeReference", {
 aliases: ["TSType"],
 visitor: ["typeName", "typeParameters"],
 fields: {
 typeName: (0, _utils.validateType)("TSEntityName"),
 typeParameters: (0, _utils.validateOptionalType)("TSTypeParameterInstantiation")
 }
});
const _utils.default)("TSTypePredicate", {
 aliases: ["TSType"],
 visitor: ["parameterName", "typeAnnotation"],
 builder: ["parameterName", "typeAnnotation", "asserts"],
 fields: {
 parameterName: (0, _utils.validateType)("Identifier", "TSThisType"),
 typeAnnotation: (0, _utils.validateOptionalType)("TSTypeAnnotation"),
 asserts: (0, _utils.validateOptional)(bool)
 }
});
const _utils.default)("TSTypeQuery", {
 aliases: ["TSType"],
 visitor: ["exprName"],
 fields: {
 exprName: (0, _utils.validateType)("TSEntityName", "TSImportType")
 }
});
const _utils.default)("TSTypeLiteral", {
 aliases: ["TSType"],
 visitor: ["members"],
 fields: {
 members: (0, _utils.validateArrayOfType)("TSTypeElement")
 }
});
const _utils.default)("TSArrayType", {
 aliases: ["TSType"],
 visitor: ["elementType"],
 fields: {
 elementType: (0, _utils.validateType)("TSType")
 }
});
const _utils.default)("TSTupleType", {
 aliases: ["TSType"],
 visitor: ["elementTypes"],
 fields: {
 elementTypes: (0, _utils.validateArrayOfType)("TSType", "TSNamedTupleMember")
 }
});
const _utils.default)("TSOptionalType", {
 aliases: ["TSType"],
 visitor: ["typeAnnotation"],
 fields: {}
}

```

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typeAnnotation: (0, _utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSRestType", {\n aliases:
["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n typeAnnotation: (0,
_utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSNamedTupleMember", {\n visitor: ["label",
"elementType"],\n builder: ["label", "elementType", "optional"],\n fields: {\n label: (0,
_utils.validateType)("Identifier"),\n optional: {\n validate: bool,\n default: false\n },\n elementType: (0,
_utils.validateType)("TSType")\n }));\nconst
unionOrIntersection = {\n aliases: ["TSType"],\n visitor: ["types"],\n fields: {\n types: (0,
_utils.validateArrayOfType)("TSType")\n }));\n(0, _utils.default)("TSUnionType", unionOrIntersection);\n(0,
_utils.default)("TSIntersectionType", unionOrIntersection);\n(0, _utils.default)("TSConditionalType", {\n
aliases: ["TSType"],\n visitor: ["checkType", "extendsType", "trueType", "falseType"],\n fields: {\n
checkType: (0, _utils.validateType)("TSType"),\n extendsType: (0, _utils.validateType)("TSType"),\n
trueType: (0, _utils.validateType)("TSType"),\n falseType: (0, _utils.validateType)("TSType")\n }));\n(0,
_utils.default)("TSInferType", {\n aliases: ["TSType"],\n visitor: ["typeParameter"],\n fields: {\n
typeParameter: (0, _utils.validateType)("TSTypeParameter")\n }));\n(0,
_utils.default)("TSParenthesizedType", {\n aliases: ["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n
typeAnnotation: (0,
_utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSTypeOperator", {\n aliases: ["TSType"],\n
visitor: ["typeAnnotation"],\n fields: {\n operator: (0, _utils.validate)((0, _utils.assertValueType)("string")),
typeAnnotation: (0, _utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSIndexedAccessType", {\n
aliases: ["TSType"],\n visitor: ["objectType", "indexType"],\n fields: {\n objectType: (0,
_utils.validateType)("TSType"),\n indexType: (0, _utils.validateType)("TSType")\n }));\n(0,
_utils.default)("TSMappedType", {\n aliases: ["TSType"],\n visitor: ["typeParameter", "typeAnnotation",
"nameType"],\n fields: {\n readonly: (0, _utils.validateOptional)(bool),\n typeParameter: (0,
_utils.validateType)("TSTypeParameter"),\n optional: (0, _utils.validateOptional)(bool),\n typeAnnotation: (0,
_utils.validateOptionalType)("TSType"),\n nameType: (0, _utils.validateOptionalType)("TSType")\n
}));\n(0, _utils.default)("TSLiteralType", {\n aliases: ["TSType", "TSBaseType"],\n visitor: ["literal"],\n
fields: {\n literal: (0, _utils.validateType)(["NumericLiteral", "StringLiteral", "BooleanLiteral",
"BigIntLiteral"])\n }));\n(0, _utils.default)("TSExpressionWithTypeArguments", {\n aliases: ["TSType"],\n
visitor: ["expression", "typeParameters"],\n fields: {\n expression: (0,
_utils.validateType)("TSEntityName"),\n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterInstantiation")\n }));\n(0,
_utils.default)("TSInterfaceDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"typeParameters", "extends", "body"],\n fields: {\n declare: (0, _utils.validateOptional)(bool),\n id: (0,
_utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterDeclaration"),\n extends: (0, _utils.validateOptional)((0,
_utils.arrayOfType)("TSExpressionWithTypeArguments")),
body: (0, _utils.validateType)("TSInterfaceBody")\n }));\n(0, _utils.default)("TSInterfaceBody", {\n
visitor: ["body"],\n fields: {\n body: (0, _utils.validateArrayOfType)("TSTypeElement")\n }));\n(0,
_utils.default)("TSTypeAliasDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"typeParameters", "typeAnnotation"],\n fields: {\n declare: (0, _utils.validateOptional)(bool),\n id: (0,
_utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterDeclaration"),\n typeAnnotation: (0,
_utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSAsExpression", {\n aliases: ["Expression"],\n
visitor: ["expression", "typeAnnotation"],\n fields: {\n expression: (0, _utils.validateType)("Expression"),
typeAnnotation: (0, _utils.validateType)("TSType")\n }));\n(0, _utils.default)("TSTypeAssertion", {\n aliases:
["Expression"],\n visitor: ["typeAnnotation", "expression"],\n fields: {\n typeAnnotation: (0,
_utils.validateType)("TSType"),\n expression: (0, _utils.validateType)("Expression")\n }));\n(0,
_utils.default)("TSEnumDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",

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"members"),\n fields: {\n declare: (0, _utils.validateOptional)(bool),\n const: (0,
_utils.validateOptional)(bool),\n id: (0, _utils.validateType)("Identifier"),\n members: (0,
_utils.validateArrayOfType)("TEnumMember"),\n initializer: (0,
_utils.validateOptionalType)("Expression")\n } \n});\n(0, _utils.default)("TEnumMember", {\n visitor: ["id",
"initializer"],\n fields: {\n id: (0, _utils.validateType)(["Identifier", "StringLiteral"]),\n initializer: (0,
_utils.validateOptionalType)("Expression")\n } \n});\n(0, _utils.default)("TModuleDeclaration", {\n aliases:
["Statement", "Declaration"],\n visitor: ["id", "body"],\n
fields: {\n declare: (0, _utils.validateOptional)(bool),\n global: (0, _utils.validateOptional)(bool),\n id: (0,
_utils.validateType)(["Identifier", "StringLiteral"]),\n body: (0, _utils.validateType)(["TModuleBlock",
"TModuleDeclaration"])\n } \n});\n(0, _utils.default)("TModuleBlock", {\n aliases: ["Scopable", "Block",
"BlockParent"],\n visitor: ["body"],\n fields: {\n body: (0, _utils.validateArrayOfType)("Statement")\n
} \n});\n(0, _utils.default)("TSImportType", {\n aliases: ["TType"],\n visitor: ["argument", "qualifier",
"typeParameters"],\n fields: {\n argument: (0, _utils.validateType)("StringLiteral"),\n qualifier: (0,
_utils.validateOptionalType)("TEntityName"),\n typeParameters: (0,
_utils.validateOptionalType)("TTypeParameterInstantiation")\n } \n});\n(0,
_utils.default)("TSImportEqualsDeclaration", {\n aliases: ["Statement"],\n visitor: ["id",
"moduleReference"],\n fields: {\n
isExport: (0, _utils.validate)(bool),\n id: (0, _utils.validateType)("Identifier"),\n moduleReference: (0,
_utils.validateType)(["TEntityName", "TExternalModuleReference"])\n } \n});\n(0,
_utils.default)("TExternalModuleReference", {\n visitor: ["expression"],\n fields: {\n expression: (0,
_utils.validateType)("StringLiteral")\n } \n});\n(0, _utils.default)("TSNonNullExpression", {\n aliases:
["Expression"],\n visitor: ["expression"],\n fields: {\n expression: (0, _utils.validateType)("Expression")\n
} \n});\n(0, _utils.default)("TExportAssignment", {\n aliases: ["Statement"],\n visitor: ["expression"],\n
fields: {\n expression: (0, _utils.validateType)("Expression")\n } \n});\n(0,
_utils.default)("TSNamespaceExportDeclaration", {\n aliases: ["Statement"],\n visitor: ["id"],\n fields: {\n
id: (0, _utils.validateType)("Identifier")\n } \n});\n(0, _utils.default)("TTypeAnnotation", {\n visitor:
["typeAnnotation"],\n
fields: {\n typeAnnotation: {\n validate: (0, _utils.assertNodeType)("TType")\n } \n } \n});\n(0,
_utils.default)("TTypeParameterInstantiation", {\n visitor: ["params"],\n fields: {\n params: {\n validate:
(0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("TType")))\n } \n } \n});\n(0, _utils.default)("TTypeParameterDeclaration", {\n
visitor: ["params"],\n fields: {\n params: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"),
(0, _utils.assertEach)((0, _utils.assertNodeType)("TTypeParameter")))\n } \n } \n});\n(0,
_utils.default)("TTypeParameter", {\n builder: ["constraint", "default", "name"],\n visitor: ["constraint",
"default"],\n fields: {\n name: {\n validate: (0, _utils.assertValueType)("string")\n } \n, constraint: {\n
validate: (0, _utils.assertNodeType)("TType"),\n optional: true\n } \n, default:
{\n validate: (0, _utils.assertNodeType)("TType"),\n optional: true\n } \n } \n});\n","use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default =
assertNode;\n\nvar _isNode = require("../validators/isNode");\n\nfunction assertNode(node) {\n if (!(0,
_isNode.default)(node)) {\n var _node$type;\n\n const type = (_node$type = node == null ? void 0 : node.type)
!= null ? _node$type : JSON.stringify(node);\n throw new TypeError(`Not a valid node of type "${type}"`);\n
} \n } \n","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:
true\n});\n\nexports.assertArrayExpression = assertArrayExpression;\nexports.assertAssignmentExpression =
assertAssignmentExpression;\nexports.assertBinaryExpression =
assertBinaryExpression;\nexports.assertInterpreterDirective = assertInterpreterDirective;\nexports.assertDirective =
assertDirective;\nexports.assertDirectiveLiteral = assertDirectiveLiteral;\nexports.assertBlockStatement
= assertBlockStatement;\nexports.assertBreakStatement = assertBreakStatement;\nexports.assertCallExpression =
assertCallExpression;\nexports.assertCatchClause = assertCatchClause;\nexports.assertConditionalExpression =

```



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assertConditionalExpression;\nextports.assertContinueStatement =
assertContinueStatement;\nextports.assertDebuggerStatement =
assertDebuggerStatement;\nextports.assertDoWhileStatement =
assertDoWhileStatement;\nextports.assertEmptyStatement =
assertEmptyStatement;\nextports.assertExpressionStatement = assertExpressionStatement;\nextports.assertFile =
assertFile;\nextports.assertForInStatement = assertForInStatement;\nextports.assertForStatement =
assertForStatement;\nextports.assertFunctionDeclaration =
assertFunctionDeclaration;\nextports.assertFunctionExpression = assertFunctionExpression;\nextports.assertIdentifier =
assertIdentifier;\nextports.assertIfStatement = assertIfStatement;\nextports.assertLabeledStatement =
assertLabeledStatement;\nextports.assertStringLiteral
= assertStringLiteral;\nextports.assertNumericLiteral = assertNumericLiteral;\nextports.assertNullLiteral =
assertNullLiteral;\nextports.assertBooleanLiteral = assertBooleanLiteral;\nextports.assertRegExpLiteral =
assertRegExpLiteral;\nextports.assertLogicalExpression =
assertLogicalExpression;\nextports.assertMemberExpression =
assertMemberExpression;\nextports.assertNewExpression = assertNewExpression;\nextports.assertProgram =
assertProgram;\nextports.assertObjectExpression = assertObjectExpression;\nextports.assertObjectMethod =
assertObjectMethod;\nextports.assertObjectProperty = assertObjectProperty;\nextports.assertRestElement =
assertRestElement;\nextports.assertReturnStatement = assertReturnStatement;\nextports.assertSequenceExpression =
assertSequenceExpression;\nextports.assertParenthesizedExpression =
assertParenthesizedExpression;\nextports.assertSwitchCase = assertSwitchCase;\nextports.assertSwitchStatement =
assertSwitchStatement;\nextports.assertThisExpression = assertThisExpression;\nextports.assertThrowStatement
= assertThrowStatement;\nextports.assertTryStatement = assertTryStatement;\nextports.assertUnaryExpression =
assertUnaryExpression;\nextports.assertUpdateExpression =
assertUpdateExpression;\nextports.assertVariableDeclaration =
assertVariableDeclaration;\nextports.assertVariableDeclarator =
assertVariableDeclarator;\nextports.assertWhileStatement = assertWhileStatement;\nextports.assertWithStatement =
assertWithStatement;\nextports.assertAssignmentPattern = assertAssignmentPattern;\nextports.assertArrayPattern =
assertArrayPattern;\nextports.assertArrowFunctionExpression =
assertArrowFunctionExpression;\nextports.assertClassBody = assertClassBody;\nextports.assertClassExpression =
assertClassExpression;\nextports.assertClassDeclaration =
assertClassDeclaration;\nextports.assertExportAllDeclaration =
assertExportAllDeclaration;\nextports.assertExportDefaultDeclaration =
assertExportDefaultDeclaration;\nextports.assertExportNamedDeclaration =
assertExportNamedDeclaration;\nextports.assertExportSpecifier
= assertExportSpecifier;\nextports.assertForOfStatement = assertForOfStatement;\nextports.assertImportDeclaration
= assertImportDeclaration;\nextports.assertImportDefaultSpecifier =
assertImportDefaultSpecifier;\nextports.assertImportNamespaceSpecifier =
assertImportNamespaceSpecifier;\nextports.assertImportSpecifier =
assertImportSpecifier;\nextports.assertMetaProperty = assertMetaProperty;\nextports.assertClassMethod =
assertClassMethod;\nextports.assertObjectPattern = assertObjectPattern;\nextports.assertSpreadElement =
assertSpreadElement;\nextports.assertSuper = assertSuper;\nextports.assertTaggedTemplateExpression =
assertTaggedTemplateExpression;\nextports.assertTemplateElement =
assertTemplateElement;\nextports.assertTemplateLiteral = assertTemplateLiteral;\nextports.assertYieldExpression =
assertYieldExpression;\nextports.assertAwaitExpression = assertAwaitExpression;\nextports.assertImport =
assertImport;\nextports.assertBigIntLiteral = assertBigIntLiteral;\nextports.assertExportNamespaceSpecifier
= assertExportNamespaceSpecifier;\nextports.assertOptionalMemberExpression =
assertOptionalMemberExpression;\nextports.assertOptionalCallExpression =
assertOptionalCallExpression;\nextports.assertAnyTypeAnnotation =

```

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assertAnyTypeAnnotation;\nexports.assertArrayTypeAnnotation =
assertArrayTypeAnnotation;\nexports.assertBooleanTypeAnnotation =
assertBooleanTypeAnnotation;\nexports.assertBooleanLiteralTypeAnnotation =
assertBooleanLiteralTypeAnnotation;\nexports.assertNullLiteralTypeAnnotation =
assertNullLiteralTypeAnnotation;\nexports.assertClassImplements =
assertClassImplements;\nexports.assertDeclareClass = assertDeclareClass;\nexports.assertDeclareFunction =
assertDeclareFunction;\nexports.assertDeclareInterface = assertDeclareInterface;\nexports.assertDeclareModule =
assertDeclareModule;\nexports.assertDeclareModuleExports =
assertDeclareModuleExports;\nexports.assertDeclareTypeAlias =
assertDeclareTypeAlias;\nexports.assertDeclareOpaqueType
= assertDeclareOpaqueType;\nexports.assertDeclareVariable =
assertDeclareVariable;\nexports.assertDeclareExportDeclaration =
assertDeclareExportDeclaration;\nexports.assertDeclareExportAllDeclaration =
assertDeclareExportAllDeclaration;\nexports.assertDeclaredPredicate =
assertDeclaredPredicate;\nexports.assertExistsTypeAnnotation =
assertExistsTypeAnnotation;\nexports.assertFunctionTypeAnnotation =
assertFunctionTypeAnnotation;\nexports.assertFunctionTypeParam =
assertFunctionTypeParam;\nexports.assertGenericTypeAnnotation =
assertGenericTypeAnnotation;\nexports.assertInferredPredicate =
assertInferredPredicate;\nexports.assertInterfaceExtends =
assertInterfaceExtends;\nexports.assertInterfaceDeclaration =
assertInterfaceDeclaration;\nexports.assertInterfaceTypeAnnotation =
assertInterfaceTypeAnnotation;\nexports.assertIntersectionTypeAnnotation =
assertIntersectionTypeAnnotation;\nexports.assertMixedTypeAnnotation =
assertMixedTypeAnnotation;\nexports.assertEmptyTypeAnnotation =
assertEmptyTypeAnnotation;\nexports.assertNullableTypeAnnotation
= assertNullableTypeAnnotation;\nexports.assertNumberLiteralTypeAnnotation =
assertNumberLiteralTypeAnnotation;\nexports.assertNumberTypeAnnotation =
assertNumberTypeAnnotation;\nexports.assertObjectTypeAnnotation =
assertObjectTypeAnnotation;\nexports.assertObjectTypeInternalSlot =
assertObjectTypeInternalSlot;\nexports.assertObjectTypeCallProperty =
assertObjectTypeCallProperty;\nexports.assertObjectTypeIndexer =
assertObjectTypeIndexer;\nexports.assertObjectTypeProperty =
assertObjectTypeProperty;\nexports.assertObjectTypeSpreadProperty =
assertObjectTypeSpreadProperty;\nexports.assertOpaqueType =
assertOpaqueType;\nexports.assertQualifiedTypeIdentifier =
assertQualifiedTypeIdentifier;\nexports.assertStringLiteralTypeAnnotation =
assertStringLiteralTypeAnnotation;\nexports.assertStringTypeAnnotation =
assertStringTypeAnnotation;\nexports.assertSymbolTypeAnnotation =
assertSymbolTypeAnnotation;\nexports.assertThisTypeAnnotation
= assertThisTypeAnnotation;\nexports.assertTupleTypeAnnotation =
assertTupleTypeAnnotation;\nexports.assertTypeofTypeAnnotation =
assertTypeofTypeAnnotation;\nexports.assertTypeAlias = assertTypeAlias;\nexports.assertTypeAnnotation =
assertTypeAnnotation;\nexports.assertTypeCastExpression =
assertTypeCastExpression;\nexports.assertTypeParameter =
assertTypeParameter;\nexports.assertTypeParameterDeclaration =
assertTypeParameterDeclaration;\nexports.assertTypeParameterInstantiation =
assertTypeParameterInstantiation;\nexports.assertUnionTypeAnnotation =

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assertUnionTypeAnnotation;\nexports.assertVariance = assertVariance;\nexports.assertVoidTypeAnnotation =
assertVoidTypeAnnotation;\nexports.assertEnumDeclaration =
assertEnumDeclaration;\nexports.assertEnumBooleanBody =
assertEnumBooleanBody;\nexports.assertEnumNumberBody =
assertEnumNumberBody;\nexports.assertEnumStringBody =
assertEnumStringBody;\nexports.assertEnumSymbolBody =
assertEnumSymbolBody;\nexports.assertEnumBooleanMember
= assertEnumBooleanMember;\nexports.assertEnumNumberMember =
assertEnumNumberMember;\nexports.assertEnumStringMember =
assertEnumStringMember;\nexports.assertEnumDefaultedMember =
assertEnumDefaultedMember;\nexports.assertIndexedAccessType =
assertIndexedAccessType;\nexports.assertOptionalIndexedAccessType =
assertOptionalIndexedAccessType;\nexports.assertJSXAttribute =
assertJSXAttribute;\nexports.assertJSXClosingElement = assertJSXClosingElement;\nexports.assertJSXElement =
assertJSXElement;\nexports.assertJSXEmptyExpression =
assertJSXEmptyExpression;\nexports.assertJSXExpressionContainer =
assertJSXExpressionContainer;\nexports.assertJSXSpreadChild =
assertJSXSpreadChild;\nexports.assertJSXIdentifier = assertJSXIdentifier;\nexports.assertJSXMemberExpression =
assertJSXMemberExpression;\nexports.assertJSXNamespacedName =
assertJSXNamespacedName;\nexports.assertJSXOpeningElement =
assertJSXOpeningElement;\nexports.assertJSXSpreadAttribute = assertJSXSpreadAttribute;\nexports.assertJSXText
= assertJSXText;\nexports.assertJSXFragment = assertJSXFragment;\nexports.assertJSXOpeningFragment =
assertJSXOpeningFragment;\nexports.assertJSXClosingFragment =
assertJSXClosingFragment;\nexports.assertNoop = assertNoop;\nexports.assertPlaceholder =
assertPlaceholder;\nexports.assertV8IntrinsicIdentifier =
assertV8IntrinsicIdentifier;\nexports.assertArgumentPlaceholder =
assertArgumentPlaceholder;\nexports.assertBindExpression = assertBindExpression;\nexports.assertClassProperty =
assertClassProperty;\nexports.assertPipelineTopicExpression =
assertPipelineTopicExpression;\nexports.assertPipelineBareFunction =
assertPipelineBareFunction;\nexports.assertPipelinePrimaryTopicReference =
assertPipelinePrimaryTopicReference;\nexports.assertClassPrivateProperty =
assertClassPrivateProperty;\nexports.assertClassPrivateMethod =
assertClassPrivateMethod;\nexports.assertImportAttribute = assertImportAttribute;\nexports.assertDecorator =
assertDecorator;\nexports.assertDoExpression = assertDoExpression;\nexports.assertExportDefaultSpecifier
= assertExportDefaultSpecifier;\nexports.assertPrivateName =
assertPrivateName;\nexports.assertRecordExpression = assertRecordExpression;\nexports.assertTupleExpression =
assertTupleExpression;\nexports.assertDecimalLiteral = assertDecimalLiteral;\nexports.assertStaticBlock =
assertStaticBlock;\nexports.assertModuleExpression =
assertModuleExpression;\nexports.assertTSParameterProperty =
assertTSParameterProperty;\nexports.assertTSDeclareFunction =
assertTSDeclareFunction;\nexports.assertTSDeclareMethod =
assertTSDeclareMethod;\nexports.assertTSQualifiedName =
assertTSQualifiedName;\nexports.assertTSCallSignatureDeclaration =
assertTSCallSignatureDeclaration;\nexports.assertTSConstructSignatureDeclaration =
assertTSConstructSignatureDeclaration;\nexports.assertTSPropertySignature =
assertTSPropertySignature;\nexports.assertTSMethodSignature =
assertTSMethodSignature;\nexports.assertTSIndexSignature =
assertTSIndexSignature;\nexports.assertTSAnyKeyword

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= assertTSAnyKeyword;\nexports.assertTSBooleanKeyword =
assertTSBooleanKeyword;\nexports.assertTSBigIntKeyword =
assertTSBigIntKeyword;\nexports.assertTSIntrinsicKeyword =
assertTSIntrinsicKeyword;\nexports.assertTSNeverKeyword =
assertTSNeverKeyword;\nexports.assertTSNullKeyword =
assertTSNullKeyword;\nexports.assertTSNumberKeyword =
assertTSNumberKeyword;\nexports.assertTSObjectKeyword =
assertTSObjectKeyword;\nexports.assertTSStringKeyword =
assertTSStringKeyword;\nexports.assertTSSymbolKeyword =
assertTSSymbolKeyword;\nexports.assertTSUndefinedKeyword =
assertTSUndefinedKeyword;\nexports.assertTSUnknownKeyword =
assertTSUnknownKeyword;\nexports.assertTSVoidKeyword = assertTSVoidKeyword;\nexports.assertTSThisType
= assertTSThisType;\nexports.assertTSFunctionType = assertTSFunctionType;\nexports.assertTSConstructorType =
assertTSConstructorType;\nexports.assertTSTypeReference =
assertTSTypeReference;\nexports.assertTSTypePredicate = assertTSTypePredicate;\nexports.assertTSTypeQuery
= assertTSTypeQuery;\nexports.assertTSTypeLiteral = assertTSTypeLiteral;\nexports.assertTSArrayType =
assertTSArrayType;\nexports.assertTSTupleType = assertTSTupleType;\nexports.assertTSOptionalType =
assertTSOptionalType;\nexports.assertTSRestType = assertTSRestType;\nexports.assertTSNamedTupleMember =
assertTSNamedTupleMember;\nexports.assertTSUnionType =
assertTSUnionType;\nexports.assertTSIntersectionType =
assertTSIntersectionType;\nexports.assertTSConditionalType =
assertTSConditionalType;\nexports.assertTSInferType = assertTSInferType;\nexports.assertTSParenthesizedType =
assertTSParenthesizedType;\nexports.assertTSTypeOperator =
assertTSTypeOperator;\nexports.assertTSIndexedAccessType =
assertTSIndexedAccessType;\nexports.assertTSMappedType =
assertTSMappedType;\nexports.assertTSLiteralType =
assertTSLiteralType;\nexports.assertTSExpressionWithTypeArguments =
assertTSExpressionWithTypeArguments;\nexports.assertTSInterfaceDeclaration =
assertTSInterfaceDeclaration;\nexports.assertTSInterfaceBody
= assertTSInterfaceBody;\nexports.assertTSTypeAliasDeclaration =
assertTSTypeAliasDeclaration;\nexports.assertTSAsExpression =
assertTSAsExpression;\nexports.assertTSTypeAssertion =
assertTSTypeAssertion;\nexports.assertTSEnumDeclaration =
assertTSEnumDeclaration;\nexports.assertTSEnumMember =
assertTSEnumMember;\nexports.assertTSModuleDeclaration =
assertTSModuleDeclaration;\nexports.assertTSModuleBlock =
assertTSModuleBlock;\nexports.assertTSImportType =
assertTSImportType;\nexports.assertTSImportEqualsDeclaration =
assertTSImportEqualsDeclaration;\nexports.assertTSExternalModuleReference =
assertTSExternalModuleReference;\nexports.assertTSNonNullExpression =
assertTSNonNullExpression;\nexports.assertTSExportAssignment =
assertTSExportAssignment;\nexports.assertTSNamespaceExportDeclaration =
assertTSNamespaceExportDeclaration;\nexports.assertTSTypeAnnotation =
assertTSTypeAnnotation;\nexports.assertTSTypeParameterInstantiation =
assertTSTypeParameterInstantiation;\nexports.assertTSTypeParameterDeclaration
= assertTSTypeParameterDeclaration;\nexports.assertTSTypeParameter =
assertTSTypeParameter;\nexports.assertExpression = assertExpression;\nexports.assertBinary =
assertBinary;\nexports.assertScopable = assertScopable;\nexports.assertBlockParent =

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assertBlockParent;\nexports.assertBlock = assertBlock;\nexports.assertStatement =
assertStatement;\nexports.assertTerminatorless = assertTerminatorless;\nexports.assertCompletionStatement =
assertCompletionStatement;\nexports.assertConditional = assertConditional;\nexports.assertLoop =
assertLoop;\nexports.assertWhile = assertWhile;\nexports.assertExpressionWrapper =
assertExpressionWrapper;\nexports.assertFor = assertFor;\nexports.assertForXStatement =
assertForXStatement;\nexports.assertFunction = assertFunction;\nexports.assertFunctionParent =
assertFunctionParent;\nexports.assertPureish = assertPureish;\nexports.assertDeclaration =
assertDeclaration;\nexports.assertPatternLike =
 assertPatternLike;\nexports.assertLVal = assertLVal;\nexports.assertTSEntityName =
assertTSEntityName;\nexports.assertLiteral = assertLiteral;\nexports.assertImmutable =
assertImmutable;\nexports.assertUserWhitespacable = assertUserWhitespacable;\nexports.assertMethod =
assertMethod;\nexports.assertObjectMember = assertObjectMember;\nexports.assertProperty =
assertProperty;\nexports.assertUnaryLike = assertUnaryLike;\nexports.assertPattern =
assertPattern;\nexports.assertClass = assertClass;\nexports.assertModuleDeclaration =
assertModuleDeclaration;\nexports.assertExportDeclaration =
assertExportDeclaration;\nexports.assertModuleSpecifier = assertModuleSpecifier;\nexports.assertFlow =
assertFlow;\nexports.assertFlowType = assertFlowType;\nexports.assertFlowBaseAnnotation =
assertFlowBaseAnnotation;\nexports.assertFlowDeclaration = assertFlowDeclaration;\nexports.assertFlowPredicate
= assertFlowPredicate;\nexports.assertEnumBody = assertEnumBody;\nexports.assertEnumMember =
assertEnumMember;\nexports.assertJSX
= assertJSX;\nexports.assertPrivate = assertPrivate;\nexports.assertTSTypeElement =
assertTSTypeElement;\nexports.assertTSType = assertTSType;\nexports.assertTSBaseType =
assertTSBaseType;\nexports.assertNumberLiteral = assertNumberLiteral;\nexports.assertRegexLiteral =
assertRegexLiteral;\nexports.assertRestProperty = assertRestProperty;\nexports.assertSpreadProperty =
assertSpreadProperty;\n\nvar _is = require(\"../validators/is\");\n\nfunction assert(type, node, opts) {\n if (!(_is.default)(type, node, opts)) {\n throw new Error(`Expected type \"${type}\" with option
${JSON.stringify(opts)}, ` + `but instead got \"${node.type}\"`);\n }\n}\n\nfunction assertArrayExpression(node,
opts) {\n assert(\"ArrayExpression\", node, opts);\n}\n\nfunction assertAssignmentExpression(node, opts) {\n
assert(\"AssignmentExpression\", node, opts);\n}\n\nfunction assertBinaryExpression(node, opts) {\n
assert(\"BinaryExpression\", node, opts);\n}\n\nfunction assertInterpreterDirective(node,
opts) {\n assert(\"InterpreterDirective\", node, opts);\n}\n\nfunction assertDirective(node, opts) {\n
assert(\"Directive\", node, opts);\n}\n\nfunction assertDirectiveLiteral(node, opts) {\n assert(\"DirectiveLiteral\",
node, opts);\n}\n\nfunction assertBlockStatement(node, opts) {\n assert(\"BlockStatement\", node,
opts);\n}\n\nfunction assertBreakStatement(node, opts) {\n assert(\"BreakStatement\", node, opts);\n}\n\nfunction
assertCallExpression(node, opts) {\n assert(\"CallExpression\", node, opts);\n}\n\nfunction assertCatchClause(node,
opts) {\n assert(\"CatchClause\", node, opts);\n}\n\nfunction assertConditionalExpression(node, opts) {\n
assert(\"ConditionalExpression\", node, opts);\n}\n\nfunction assertContinueStatement(node, opts) {\n
assert(\"ContinueStatement\", node, opts);\n}\n\nfunction assertDebuggerStatement(node, opts) {\n
assert(\"DebuggerStatement\", node, opts);\n}\n\nfunction assertDoWhileStatement(node, opts) {\n
assert(\"DoWhileStatement\",
node, opts);\n}\n\nfunction assertEmptyStatement(node, opts) {\n assert(\"EmptyStatement\", node,
opts);\n}\n\nfunction assertExpressionStatement(node, opts) {\n assert(\"ExpressionStatement\", node,
opts);\n}\n\nfunction assertFile(node, opts) {\n assert(\"File\", node, opts);\n}\n\nfunction
assertForInStatement(node, opts) {\n assert(\"ForInStatement\", node, opts);\n}\n\nfunction
assertForStatement(node, opts) {\n assert(\"ForStatement\", node, opts);\n}\n\nfunction
assertFunctionDeclaration(node, opts) {\n assert(\"FunctionDeclaration\", node, opts);\n}\n\nfunction
assertFunctionExpression(node, opts) {\n assert(\"FunctionExpression\", node, opts);\n}\n\nfunction
assertIdentifier(node, opts) {\n assert(\"Identifier\", node, opts);\n}\n\nfunction assertIfStatement(node, opts) {\n

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assert("IfStatement", node, opts);\n}\n\nfunction assertLabeledStatement(node, opts) {\n
assert("LabeledStatement", node, opts);\n}\n\nfunction assertStringLiteral(node,
opts) {\n assert("StringLiteral", node, opts);\n}\n\nfunction assertNumericLiteral(node, opts) {\n
assert("NumericLiteral", node, opts);\n}\n\nfunction assertNullLiteral(node, opts) {\n assert("NullLiteral", node,
opts);\n}\n\nfunction assertBooleanLiteral(node, opts) {\n assert("BooleanLiteral", node, opts);\n}\n\nfunction
assertRegExpLiteral(node, opts) {\n assert("RegExpLiteral", node, opts);\n}\n\nfunction
assertLogicalExpression(node, opts) {\n assert("LogicalExpression", node, opts);\n}\n\nfunction
assertMemberExpression(node, opts) {\n assert("MemberExpression", node, opts);\n}\n\nfunction
assertNewExpression(node, opts) {\n assert("NewExpression", node, opts);\n}\n\nfunction assertProgram(node,
opts) {\n assert("Program", node, opts);\n}\n\nfunction assertObjectExpression(node, opts) {\n
assert("ObjectExpression", node, opts);\n}\n\nfunction assertObjectMethod(node, opts) {\n
assert("ObjectMethod", node, opts);\n}\n\nfunction assertObjectProperty(node,
opts) {\n assert("ObjectProperty", node, opts);\n}\n\nfunction assertRestElement(node, opts) {\n
assert("RestElement", node, opts);\n}\n\nfunction assertReturnStatement(node, opts) {\n
assert("ReturnStatement", node, opts);\n}\n\nfunction assertSequenceExpression(node, opts) {\n
assert("SequenceExpression", node, opts);\n}\n\nfunction assertParenthesizedExpression(node, opts) {\n
assert("ParenthesizedExpression", node, opts);\n}\n\nfunction assertSwitchCase(node, opts) {\n
assert("SwitchCase", node, opts);\n}\n\nfunction assertSwitchStatement(node, opts) {\n
assert("SwitchStatement", node, opts);\n}\n\nfunction assertThisExpression(node, opts) {\n
assert("ThisExpression", node, opts);\n}\n\nfunction assertThrowStatement(node, opts) {\n
assert("ThrowStatement", node, opts);\n}\n\nfunction assertTryStatement(node, opts) {\n assert("TryStatement",
node, opts);\n}\n\nfunction assertUnaryExpression(node, opts) {\n assert("UnaryExpression", node,
opts);\n}\n}\n\nfunction
assertUpdateExpression(node, opts) {\n assert("UpdateExpression", node, opts);\n}\n\nfunction
assertVariableDeclaration(node, opts) {\n assert("VariableDeclaration", node, opts);\n}\n\nfunction
assertVariableDeclarator(node, opts) {\n assert("VariableDeclarator", node, opts);\n}\n\nfunction
assertWhileStatement(node, opts) {\n assert("WhileStatement", node, opts);\n}\n\nfunction
assertWithStatement(node, opts) {\n assert("WithStatement", node, opts);\n}\n\nfunction
assertAssignmentPattern(node, opts) {\n assert("AssignmentPattern", node, opts);\n}\n\nfunction
assertArrayPattern(node, opts) {\n assert("ArrayPattern", node, opts);\n}\n\nfunction
assertArrowFunctionExpression(node, opts) {\n assert("ArrowFunctionExpression", node, opts);\n}\n\nfunction
assertClassBody(node, opts) {\n assert("ClassBody", node, opts);\n}\n\nfunction assertClassExpression(node,
opts) {\n assert("ClassExpression", node, opts);\n}\n\nfunction assertClassDeclaration(node,
opts) {\n assert("ClassDeclaration", node, opts);\n}\n\nfunction assertExportAllDeclaration(node, opts) {\n
assert("ExportAllDeclaration", node, opts);\n}\n\nfunction assertExportDefaultDeclaration(node, opts) {\n
assert("ExportDefaultDeclaration", node, opts);\n}\n\nfunction assertExportNamedDeclaration(node, opts) {\n
assert("ExportNamedDeclaration", node, opts);\n}\n\nfunction assertExportSpecifier(node, opts) {\n
assert("ExportSpecifier", node, opts);\n}\n\nfunction assertForOfStatement(node, opts) {\n
assert("ForOfStatement", node, opts);\n}\n\nfunction assertImportDeclaration(node, opts) {\n
assert("ImportDeclaration", node, opts);\n}\n\nfunction assertImportDefaultSpecifier(node, opts) {\n
assert("ImportDefaultSpecifier", node, opts);\n}\n\nfunction assertImportNamespaceSpecifier(node, opts) {\n
assert("ImportNamespaceSpecifier", node, opts);\n}\n\nfunction assertImportSpecifier(node, opts) {\n
assert("ImportSpecifier", node, opts);\n}\n\nfunction
assertMetaProperty(node, opts) {\n assert("MetaProperty", node, opts);\n}\n\nfunction assertClassMethod(node,
opts) {\n assert("ClassMethod", node, opts);\n}\n\nfunction assertObjectPattern(node, opts) {\n
assert("ObjectPattern", node, opts);\n}\n\nfunction assertSpreadElement(node, opts) {\n assert("SpreadElement",
node, opts);\n}\n\nfunction assertSuper(node, opts) {\n assert("Super", node, opts);\n}\n\nfunction
assertTaggedTemplateExpression(node, opts) {\n assert("TaggedTemplateExpression", node,

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opts);\n\nfunction assertTemplateElement(node, opts) {\n assert(\"TemplateElement\", node,
opts);\n}\n\nfunction assertTemplateLiteral(node, opts) {\n assert(\"TemplateLiteral\", node, opts);\n}\n\nfunction
assertYieldExpression(node, opts) {\n assert(\"YieldExpression\", node, opts);\n}\n\nfunction
assertAwaitExpression(node, opts) {\n assert(\"AwaitExpression\", node, opts);\n}\n\nfunction assertImport(node,
opts) {\n assert(\"Import\", node, opts);\n}\n\nfunction
assertBigIntLiteral(node, opts) {\n assert(\"BigIntLiteral\", node, opts);\n}\n\nfunction
assertExportNamespaceSpecifier(node, opts) {\n assert(\"ExportNamespaceSpecifier\", node, opts);\n}\n\nfunction
assertOptionalMemberExpression(node, opts) {\n assert(\"OptionalMemberExpression\", node,
opts);\n}\n\nfunction assertOptionalCallExpression(node, opts) {\n assert(\"OptionalCallExpression\", node,
opts);\n}\n\nfunction assertAnyTypeAnnotation(node, opts) {\n assert(\"AnyTypeAnnotation\", node,
opts);\n}\n\nfunction assertArrayTypeAnnotation(node, opts) {\n assert(\"ArrayTypeAnnotation\", node,
opts);\n}\n\nfunction assertBooleanTypeAnnotation(node, opts) {\n assert(\"BooleanTypeAnnotation\", node,
opts);\n}\n\nfunction assertBooleanLiteralTypeAnnotation(node, opts) {\n
assert(\"BooleanLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertNullLiteralTypeAnnotation(node, opts)
{\n assert(\"NullLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertClassImplements(node,
opts) {\n assert(\"ClassImplements\", node, opts);\n}\n\nfunction assertDeclareClass(node, opts) {\n
assert(\"DeclareClass\", node, opts);\n}\n\nfunction assertDeclareFunction(node, opts) {\n
assert(\"DeclareFunction\", node, opts);\n}\n\nfunction assertDeclareInterface(node, opts) {\n
assert(\"DeclareInterface\", node, opts);\n}\n\nfunction assertDeclareModule(node, opts) {\n
assert(\"DeclareModule\", node, opts);\n}\n\nfunction assertDeclareModuleExports(node, opts) {\n
assert(\"DeclareModuleExports\", node, opts);\n}\n\nfunction assertDeclareTypeAlias(node, opts) {\n
assert(\"DeclareTypeAlias\", node, opts);\n}\n\nfunction assertDeclareOpaqueType(node, opts) {\n
assert(\"DeclareOpaqueType\", node, opts);\n}\n\nfunction assertDeclareVariable(node, opts) {\n
assert(\"DeclareVariable\", node, opts);\n}\n\nfunction assertDeclareExportDeclaration(node, opts) {\n
assert(\"DeclareExportDeclaration\", node, opts);\n}\n\nfunction assertDeclareExportAllDeclaration(node, opts)
{\n assert(\"DeclareExportAllDeclaration\", node, opts);\n}\n\nfunction assertDeclaredPredicate(node, opts) {\n
assert(\"DeclaredPredicate\", node, opts);\n}\n\nfunction assertExistsTypeAnnotation(node, opts) {\n
assert(\"ExistsTypeAnnotation\", node, opts);\n}\n\nfunction assertFunctionTypeAnnotation(node, opts) {\n
assert(\"FunctionTypeAnnotation\", node, opts);\n}\n\nfunction assertFunctionTypeParam(node, opts) {\n
assert(\"FunctionTypeParam\", node, opts);\n}\n\nfunction assertGenericTypeAnnotation(node, opts) {\n
assert(\"GenericTypeAnnotation\", node, opts);\n}\n\nfunction assertInferredPredicate(node, opts) {\n
assert(\"InferredPredicate\", node, opts);\n}\n\nfunction assertInterfaceExtends(node, opts) {\n
assert(\"InterfaceExtends\", node, opts);\n}\n\nfunction assertInterfaceDeclaration(node, opts) {\n
assert(\"InterfaceDeclaration\", node, opts);\n}\n\nfunction assertInterfaceTypeAnnotation(node, opts) {\n
assert(\"InterfaceTypeAnnotation\", node, opts);\n}\n\nfunction
assertIntersectionTypeAnnotation(node, opts) {\n assert(\"IntersectionTypeAnnotation\", node,
opts);\n}\n\nfunction assertMixedTypeAnnotation(node, opts) {\n assert(\"MixedTypeAnnotation\", node,
opts);\n}\n\nfunction assertEmptyTypeAnnotation(node, opts) {\n assert(\"EmptyTypeAnnotation\", node,
opts);\n}\n\nfunction assertNullableTypeAnnotation(node, opts) {\n assert(\"NullableTypeAnnotation\", node,
opts);\n}\n\nfunction assertNumberLiteralTypeAnnotation(node, opts) {\n
assert(\"NumberLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertNumberTypeAnnotation(node, opts) {\n
assert(\"NumberTypeAnnotation\", node, opts);\n}\n\nfunction assertObjectTypeAnnotation(node, opts) {\n
assert(\"ObjectTypeAnnotation\", node, opts);\n}\n\nfunction assertObjectTypeInternalSlot(node, opts) {\n
assert(\"ObjectTypeInternalSlot\", node, opts);\n}\n\nfunction assertObjectTypeCallProperty(node, opts) {\n
assert(\"ObjectTypeCallProperty\", node, opts);\n}\n\nfunction assertObjectTypeIndexer(node,
opts) {\n assert(\"ObjectTypeIndexer\", node, opts);\n}\n\nfunction assertObjectTypeProperty(node, opts) {\n
assert(\"ObjectTypeProperty\", node, opts);\n}\n\nfunction assertObjectTypeSpreadProperty(node, opts) {\n
assert(\"ObjectTypeSpreadProperty\", node, opts);\n}\n\nfunction assertOpaqueType(node, opts) {\n

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assert("OpaqueType", node, opts);\n\nfunction assertQualifiedTypeIdentifier(node, opts) {\n
assert("QualifiedTypeIdentifier", node, opts);\n}\n\nfunction assertStringLiteralTypeAnnotation(node, opts) {\n
assert("StringLiteralTypeAnnotation", node, opts);\n}\n\nfunction assertStringTypeAnnotation(node, opts) {\n
assert("StringTypeAnnotation", node, opts);\n}\n\nfunction assertSymbolTypeAnnotation(node, opts) {\n
assert("SymbolTypeAnnotation", node, opts);\n}\n\nfunction assertThisTypeAnnotation(node, opts) {\n
assert("ThisTypeAnnotation", node, opts);\n}\n\nfunction assertTupleTypeAnnotation(node, opts) {\n
assert("TupleTypeAnnotation",
node, opts);\n}\n\nfunction assertTypeofTypeAnnotation(node, opts) {\n assert("TypeofTypeAnnotation", node,
opts);\n}\n\nfunction assertTypeAlias(node, opts) {\n assert("TypeAlias", node, opts);\n}\n\nfunction
assertTypeAnnotation(node, opts) {\n assert("TypeAnnotation", node, opts);\n}\n\nfunction
assertTypeCastExpression(node, opts) {\n assert("TypeCastExpression", node, opts);\n}\n\nfunction
assertTypeParameter(node, opts) {\n assert("TypeParameter", node, opts);\n}\n\nfunction
assertTypeParameterDeclaration(node, opts) {\n assert("TypeParameterDeclaration", node, opts);\n}\n\nfunction
assertTypeParameterInstantiation(node, opts) {\n assert("TypeParameterInstantiation", node, opts);\n}\n\nfunction
assertUnionTypeAnnotation(node, opts) {\n assert("UnionTypeAnnotation", node, opts);\n}\n\nfunction
assertVariance(node, opts) {\n assert("Variance", node, opts);\n}\n\nfunction assertVoidTypeAnnotation(node,
opts) {\n assert("VoidTypeAnnotation", node, opts);\n}\n\nfunction
assertEnumDeclaration(node, opts) {\n assert("EnumDeclaration", node, opts);\n}\n\nfunction
assertEnumBooleanBody(node, opts) {\n assert("EnumBooleanBody", node, opts);\n}\n\nfunction
assertEnumNumberBody(node, opts) {\n assert("EnumNumberBody", node, opts);\n}\n\nfunction
assertEnumStringBody(node, opts) {\n assert("EnumStringBody", node, opts);\n}\n\nfunction
assertEnumSymbolBody(node, opts) {\n assert("EnumSymbolBody", node, opts);\n}\n\nfunction
assertEnumBooleanMember(node, opts) {\n assert("EnumBooleanMember", node, opts);\n}\n\nfunction
assertEnumNumberMember(node, opts) {\n assert("EnumNumberMember", node, opts);\n}\n\nfunction
assertEnumStringMember(node, opts) {\n assert("EnumStringMember", node, opts);\n}\n\nfunction
assertEnumDefaultedMember(node, opts) {\n assert("EnumDefaultedMember", node, opts);\n}\n\nfunction
assertIndexedAccessType(node, opts) {\n assert("IndexedAccessType", node, opts);\n}\n\nfunction
assertOptionalIndexedAccessType(node,
opts) {\n assert("OptionalIndexedAccessType", node, opts);\n}\n\nfunction assertJSXAttribute(node, opts) {\n
assert("JSXAttribute", node, opts);\n}\n\nfunction assertJSXClosingElement(node, opts) {\n
assert("JSXClosingElement", node, opts);\n}\n\nfunction assertJSXElement(node, opts) {\n
assert("JSXElement", node, opts);\n}\n\nfunction assertJSXEmptyExpression(node, opts) {\n
assert("JSXEmptyExpression", node, opts);\n}\n\nfunction assertJSXExpressionContainer(node, opts) {\n
assert("JSXExpressionContainer", node, opts);\n}\n\nfunction assertJSXSpreadChild(node, opts) {\n
assert("JSXSpreadChild", node, opts);\n}\n\nfunction assertJSXIdentifier(node, opts) {\n assert("JSXIdentifier",
node, opts);\n}\n\nfunction assertJSXMemberExpression(node, opts) {\n assert("JSXMemberExpression", node,
opts);\n}\n\nfunction assertJSXNamespacedName(node, opts) {\n assert("JSXNamespacedName", node,
opts);\n}\n\nfunction assertJSXOpeningElement(node, opts)
{\n assert("JSXOpeningElement", node, opts);\n}\n\nfunction assertJSXSpreadAttribute(node, opts) {\n
assert("JSXSpreadAttribute", node, opts);\n}\n\nfunction assertJSXText(node, opts) {\n assert("JSXText", node,
opts);\n}\n\nfunction assertJSXFragment(node, opts) {\n assert("JSXFragment", node, opts);\n}\n\nfunction
assertJSXOpeningFragment(node, opts) {\n assert("JSXOpeningFragment", node, opts);\n}\n\nfunction
assertJSXClosingFragment(node, opts) {\n assert("JSXClosingFragment", node, opts);\n}\n\nfunction
assertNoop(node, opts) {\n assert("Noop", node, opts);\n}\n\nfunction assertPlaceholder(node, opts) {\n
assert("Placeholder", node, opts);\n}\n\nfunction assertV8IntrinsicIdentifier(node, opts) {\n
assert("V8IntrinsicIdentifier", node, opts);\n}\n\nfunction assertArgumentPlaceholder(node, opts) {\n
assert("ArgumentPlaceholder", node, opts);\n}\n\nfunction assertBindExpression(node, opts) {\n
assert("BindExpression", node, opts);\n}\n\nfunction assertClassProperty(node,

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 opts) {\n assert(\"ClassProperty\", node, opts);\n}\n\nfunction assertPipelineTopicExpression(node, opts) {\n
 assert(\"PipelineTopicExpression\", node, opts);\n}\n\nfunction assertPipelineBareFunction(node, opts) {\n
 assert(\"PipelineBareFunction\", node, opts);\n}\n\nfunction assertPipelinePrimaryTopicReference(node, opts) {\n
 assert(\"PipelinePrimaryTopicReference\", node, opts);\n}\n\nfunction assertClassPrivateProperty(node, opts) {\n
 assert(\"ClassPrivateProperty\", node, opts);\n}\n\nfunction assertClassPrivateMethod(node, opts) {\n
 assert(\"ClassPrivateMethod\", node, opts);\n}\n\nfunction assertImportAttribute(node, opts) {\n
 assert(\"ImportAttribute\", node, opts);\n}\n\nfunction assertDecorator(node, opts) {\n assert(\"Decorator\", node,
 opts);\n}\n\nfunction assertDoExpression(node, opts) {\n assert(\"DoExpression\", node, opts);\n}\n\nfunction
 assertExportDefaultSpecifier(node, opts) {\n assert(\"ExportDefaultSpecifier\", node, opts);\n}\n\nfunction
 assertPrivateName(node, opts) {\n assert(\"PrivateName\", node, opts);\n}\n\nfunction
 assertRecordExpression(node, opts) {\n assert(\"RecordExpression\", node, opts);\n}\n\nfunction
 assertTupleExpression(node, opts) {\n assert(\"TupleExpression\", node, opts);\n}\n\nfunction
 assertDecimalLiteral(node, opts) {\n assert(\"DecimalLiteral\", node, opts);\n}\n\nfunction assertStaticBlock(node,
 opts) {\n assert(\"StaticBlock\", node, opts);\n}\n\nfunction assertModuleExpression(node, opts) {\n
 assert(\"ModuleExpression\", node, opts);\n}\n\nfunction assertTSParameterProperty(node, opts) {\n
 assert(\"TSParameterProperty\", node, opts);\n}\n\nfunction assertTSDeclareFunction(node, opts) {\n
 assert(\"TSDeclareFunction\", node, opts);\n}\n\nfunction assertTSDeclareMethod(node, opts) {\n
 assert(\"TSDeclareMethod\", node, opts);\n}\n\nfunction assertTSQualifiedName(node, opts) {\n
 assert(\"TSQualifiedName\", node, opts);\n}\n\nfunction assertTSCallSignatureDeclaration(node, opts)
 {\n assert(\"TSCallSignatureDeclaration\", node, opts);\n}\n\nfunction
 assertTSConstructSignatureDeclaration(node, opts) {\n assert(\"TSConstructSignatureDeclaration\", node,
 opts);\n}\n\nfunction assertTSPropertySignature(node, opts) {\n assert(\"TSPropertySignature\", node,
 opts);\n}\n\nfunction assertTSMethodSignature(node, opts) {\n assert(\"TSMethodSignature\", node,
 opts);\n}\n\nfunction assertTSIndexSignature(node, opts) {\n assert(\"TSIndexSignature\", node,
 opts);\n}\n\nfunction assertTSAnyKeyword(node, opts) {\n assert(\"TSAnyKeyword\", node, opts);\n}\n\nfunction
 assertTSBooleanKeyword(node, opts) {\n assert(\"TSBooleanKeyword\", node, opts);\n}\n\nfunction
 assertTSBigIntKeyword(node, opts) {\n assert(\"TSBigIntKeyword\", node, opts);\n}\n\nfunction
 assertTSIntrinsicKeyword(node, opts) {\n assert(\"TSIntrinsicKeyword\", node, opts);\n}\n\nfunction
 assertTSNeverKeyword(node, opts) {\n assert(\"TSNeverKeyword\", node, opts);\n}\n\nfunction
 assertTSNullKeyword(node,
 opts) {\n assert(\"TSNullKeyword\", node, opts);\n}\n\nfunction assertTSNumberKeyword(node, opts) {\n
 assert(\"TSNumberKeyword\", node, opts);\n}\n\nfunction assertTSObjectKeyword(node, opts) {\n
 assert(\"TSObjectKeyword\", node, opts);\n}\n\nfunction assertTSStringKeyword(node, opts) {\n
 assert(\"TSStringKeyword\", node, opts);\n}\n\nfunction assertTSSymbolKeyword(node, opts) {\n
 assert(\"TSSymbolKeyword\", node, opts);\n}\n\nfunction assertTSUndefinedKeyword(node, opts) {\n
 assert(\"TSUndefinedKeyword\", node, opts);\n}\n\nfunction assertTSUnknownKeyword(node, opts) {\n
 assert(\"TSUnknownKeyword\", node, opts);\n}\n\nfunction assertTSVoidKeyword(node, opts) {\n
 assert(\"TSVoidKeyword\", node, opts);\n}\n\nfunction assertTSThisType(node, opts) {\n assert(\"TSThisType\",
 node, opts);\n}\n\nfunction assertTSFunctionType(node, opts) {\n assert(\"TSFunctionType\", node,
 opts);\n}\n\nfunction assertTSConstructorType(node, opts) {\n assert(\"TSConstructorType\", node,
 opts);\n}\n\nfunction
 assertTSTypeReference(node, opts) {\n assert(\"TSTypeReference\", node, opts);\n}\n\nfunction
 assertTSTypePredicate(node, opts) {\n assert(\"TSTypePredicate\", node, opts);\n}\n\nfunction
 assertTSTypeQuery(node, opts) {\n assert(\"TSTypeQuery\", node, opts);\n}\n\nfunction assertTSTypeLiteral(node,
 opts) {\n assert(\"TSTypeLiteral\", node, opts);\n}\n\nfunction assertTSArrayType(node, opts) {\n
 assert(\"TSArrayType\", node, opts);\n}\n\nfunction assertTSTupleType(node, opts) {\n assert(\"TSTupleType\",
 node, opts);\n}\n\nfunction assertTSOptionalType(node, opts) {\n assert(\"TSOptionalType\", node,
 opts);\n}\n\nfunction assertTSRestType(node, opts) {\n assert(\"TSRestType\", node, opts);\n}\n\nfunction

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assertTSNamedTupleMember(node, opts) {\n assert(\"TSNamedTupleMember\", node, opts);\n}\n\nfunction
assertTSUnionType(node, opts) {\n assert(\"TSUnionType\", node, opts);\n}\n\nfunction
assertTSIntersectionType(node, opts) {\n assert(\"TSIntersectionType\", node, opts);\n}\n\nfunction
 assertTSConditionalType(node, opts) {\n assert(\"TSConditionalType\", node, opts);\n}\n\nfunction
assertTSInferType(node, opts) {\n assert(\"TSInferType\", node, opts);\n}\n\nfunction
assertTSParenthesizedType(node, opts) {\n assert(\"TSParenthesizedType\", node, opts);\n}\n\nfunction
assertTSTypeOperator(node, opts) {\n assert(\"TSTypeOperator\", node, opts);\n}\n\nfunction
assertTSIndexedAccessType(node, opts) {\n assert(\"TSIndexedAccessType\", node, opts);\n}\n\nfunction
assertTSMappedType(node, opts) {\n assert(\"TSMappedType\", node, opts);\n}\n\nfunction
assertTSLiteralType(node, opts) {\n assert(\"TSLiteralType\", node, opts);\n}\n\nfunction
assertTSExpressionWithTypeArguments(node, opts) {\n assert(\"TSExpressionWithTypeArguments\", node,
opts);\n}\n\nfunction assertTSInterfaceDeclaration(node, opts) {\n assert(\"TSInterfaceDeclaration\", node,
opts);\n}\n\nfunction assertTSInterfaceBody(node, opts) {\n assert(\"TSInterfaceBody\", node,
opts);\n}\n\nfunction
 assertTSTypeAliasDeclaration(node, opts) {\n assert(\"TSTypeAliasDeclaration\", node, opts);\n}\n\nfunction
assertTSAsExpression(node, opts) {\n assert(\"TSAsExpression\", node, opts);\n}\n\nfunction
assertTSTypeAssertion(node, opts) {\n assert(\"TSTypeAssertion\", node, opts);\n}\n\nfunction
assertTSEnumDeclaration(node, opts) {\n assert(\"TSEnumDeclaration\", node, opts);\n}\n\nfunction
assertTSEnumMember(node, opts) {\n assert(\"TSEnumMember\", node, opts);\n}\n\nfunction
assertTSModuleDeclaration(node, opts) {\n assert(\"TSModuleDeclaration\", node, opts);\n}\n\nfunction
assertTSModuleBlock(node, opts) {\n assert(\"TSModuleBlock\", node, opts);\n}\n\nfunction
assertTSImportType(node, opts) {\n assert(\"TSImportType\", node, opts);\n}\n\nfunction
assertTSImportEqualsDeclaration(node, opts) {\n assert(\"TSImportEqualsDeclaration\", node,
opts);\n}\n\nfunction assertTSExternalModuleReference(node, opts) {\n assert(\"TSExternalModuleReference\",
node, opts);\n}\n\nfunction
 assertTSNonNullExpression(node, opts) {\n assert(\"TSNonNullExpression\", node, opts);\n}\n\nfunction
assertTSExportAssignment(node, opts) {\n assert(\"TSExportAssignment\", node, opts);\n}\n\nfunction
assertTSNamespaceExportDeclaration(node, opts) {\n assert(\"TSNamespaceExportDeclaration\", node,
opts);\n}\n\nfunction assertTSTypeAnnotation(node, opts) {\n assert(\"TSTypeAnnotation\", node,
opts);\n}\n\nfunction assertTSTypeParameterInstantiation(node, opts) {\n assert(\"TSTypeParameterInstantiation\",
node, opts);\n}\n\nfunction assertTSTypeParameterDeclaration(node, opts) {\n
 assert(\"TSTypeParameterDeclaration\", node, opts);\n}\n\nfunction assertTSTypeParameter(node, opts) {\n
 assert(\"TSTypeParameter\", node, opts);\n}\n\nfunction assertExpression(node, opts) {\n assert(\"Expression\",
node, opts);\n}\n\nfunction assertBinary(node, opts) {\n assert(\"Binary\", node, opts);\n}\n\nfunction
assertScopable(node, opts) {\n assert(\"Scopable\", node, opts);\n}\n\nfunction
 assertBlockParent(node, opts) {\n assert(\"BlockParent\", node, opts);\n}\n\nfunction assertBlock(node, opts) {\n
 assert(\"Block\", node, opts);\n}\n\nfunction assertStatement(node, opts) {\n assert(\"Statement\", node,
opts);\n}\n\nfunction assertTerminatorless(node, opts) {\n assert(\"Terminatorless\", node, opts);\n}\n\nfunction
assertCompletionStatement(node, opts) {\n assert(\"CompletionStatement\", node, opts);\n}\n\nfunction
assertConditional(node, opts) {\n assert(\"Conditional\", node, opts);\n}\n\nfunction assertLoop(node, opts) {\n
 assert(\"Loop\", node, opts);\n}\n\nfunction assertWhile(node, opts) {\n assert(\"While\", node,
opts);\n}\n\nfunction assertExpressionWrapper(node, opts) {\n assert(\"ExpressionWrapper\", node,
opts);\n}\n\nfunction assertFor(node, opts) {\n assert(\"For\", node, opts);\n}\n\nfunction
assertForXStatement(node, opts) {\n assert(\"ForXStatement\", node, opts);\n}\n\nfunction assertFunction(node,
opts) {\n assert(\"Function\", node,
opts);\n}\n\nfunction assertFunctionParent(node, opts) {\n assert(\"FunctionParent\", node, opts);\n}\n\nfunction
assertPureish(node, opts) {\n assert(\"Pureish\", node, opts);\n}\n\nfunction assertDeclaration(node, opts) {\n
 assert(\"Declaration\", node, opts);\n}\n\nfunction assertPatternLike(node, opts) {\n assert(\"PatternLike\", node,

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opts);\n}\n\nfunction assertLVal(node, opts) {\n assert(\"LVal\", node, opts);\n}\n\nfunction
assertTSEntityName(node, opts) {\n assert(\"TSEntityName\", node, opts);\n}\n\nfunction assertLiteral(node, opts)
{\n assert(\"Literal\", node, opts);\n}\n\nfunction assertImmutable(node, opts) {\n assert(\"Immutable\", node,
opts);\n}\n\nfunction assertUserWhitespacable(node, opts) {\n assert(\"UserWhitespacable\", node,
opts);\n}\n\nfunction assertMethod(node, opts) {\n assert(\"Method\", node, opts);\n}\n\nfunction
assertObjectMember(node, opts) {\n assert(\"ObjectMember\", node, opts);\n}\n\nfunction assertProperty(node,
opts) {\n assert(\"Property\",
node, opts);\n}\n\nfunction assertUnaryLike(node, opts) {\n assert(\"UnaryLike\", node, opts);\n}\n\nfunction
assertPattern(node, opts) {\n assert(\"Pattern\", node, opts);\n}\n\nfunction assertClass(node, opts) {\n
assert(\"Class\", node, opts);\n}\n\nfunction assertModuleDeclaration(node, opts) {\n assert(\"ModuleDeclaration\",
node, opts);\n}\n\nfunction assertExportDeclaration(node, opts) {\n assert(\"ExportDeclaration\", node,
opts);\n}\n\nfunction assertModuleSpecifier(node, opts) {\n assert(\"ModuleSpecifier\", node, opts);\n}\n\nfunction
assertFlow(node, opts) {\n assert(\"Flow\", node, opts);\n}\n\nfunction assertFlowType(node, opts) {\n
assert(\"FlowType\", node, opts);\n}\n\nfunction assertFlowBaseAnnotation(node, opts) {\n
assert(\"FlowBaseAnnotation\", node, opts);\n}\n\nfunction assertFlowDeclaration(node, opts) {\n
assert(\"FlowDeclaration\", node, opts);\n}\n\nfunction assertFlowPredicate(node, opts) {\n
assert(\"FlowPredicate\", node, opts);\n}\n\nfunction
assertEnumBody(node, opts) {\n assert(\"EnumBody\", node, opts);\n}\n\nfunction assertEnumMember(node,
opts) {\n assert(\"EnumMember\", node, opts);\n}\n\nfunction assertJSX(node, opts) {\n assert(\"JSX\", node,
opts);\n}\n\nfunction assertPrivate(node, opts) {\n assert(\"Private\", node, opts);\n}\n\nfunction
assertTSTypeElement(node, opts) {\n assert(\"TSTypeElement\", node, opts);\n}\n\nfunction assertTSType(node,
opts) {\n assert(\"TSType\", node, opts);\n}\n\nfunction assertTSBaseType(node, opts) {\n assert(\"TSBaseType\",
node, opts);\n}\n\nfunction assertNumberLiteral(node, opts) {\n console.trace(\"The node type NumberLiteral has
been renamed to NumericLiteral\");\n assert(\"NumberLiteral\", node, opts);\n}\n\nfunction
assertRegexLiteral(node, opts) {\n console.trace(\"The node type RegexLiteral has been renamed to
RegExpLiteral\");\n assert(\"RegexLiteral\", node, opts);\n}\n\nfunction assertRestProperty(node, opts) {\n
console.trace(\"The node type RestProperty
has been renamed to RestElement\");\n assert(\"RestProperty\", node, opts);\n}\n\nfunction
assertSpreadProperty(node, opts) {\n console.trace(\"The node type SpreadProperty has been renamed to
SpreadElement\");\n assert(\"SpreadProperty\", node, opts);\n}\n\n,\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.default = createTypeAnnotationBasedOnTypeof;\n\nvar _generated =
require(\"../generated\");\n\nfunction createTypeAnnotationBasedOnTypeof(type) {\n if (type === \"string\") {\n
return (0, _generated.stringTypeAnnotation)();\n } else if (type === \"number\") {\n return (0,
_generated.numberTypeAnnotation)();\n } else if (type === \"undefined\") {\n return (0,
_generated.voidTypeAnnotation)();\n } else if (type === \"boolean\") {\n return (0,
_generated.booleanTypeAnnotation)();\n } else if (type === \"function\") {\n return (0,
_generated.genericTypeAnnotation)((0, _generated.identifier)(\"Function\"));\n } else if (type === \"object\") {\n
return (0, _generated.genericTypeAnnotation)((0, _generated.identifier)(\"Object\"));\n } else if (type === \"symbol\") {\n
return (0, _generated.genericTypeAnnotation)((0, _generated.identifier)(\"Symbol\"));\n } else if (type === \"bigint\") {\n
return (0, _generated.anyTypeAnnotation)();\n } else {\n throw new Error(\"Invalid typeof value: \" + type);\n
}\n\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
createFlowUnionType;\n\nvar _generated = require(\"../generated\");\n\nvar _removeTypeDuplicates =
require(\"../modifications/flow/removeTypeDuplicates\");\n\nfunction createFlowUnionType(types) {\n const
flattened = (0, _removeTypeDuplicates.default)(types);\n\n if (flattened.length === 1) {\n return flattened[0];\n }
else {\n return (0, _generated.unionTypeAnnotation)(flattened);\n }\n\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\",

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{\n value: true\n});\nexports.default = createTSUnionType;\n\nvar _generated = require("../generated");\n\nvar _removeTypeDuplicates = require("../modifications/typescript/removeTypeDuplicates");\n\nfunction createTSUnionType(typeAnnotations) {\n const types = typeAnnotations.map(type => type.typeAnnotation);\n const flattened = (0, _removeTypeDuplicates.default)(types);\n if (flattened.length === 1) {\n return flattened[0];\n } else {\n return (0, _generated.tsUnionType)(flattened);\n }\n}, {"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = removeTypeDuplicates;\n\nvar _generated = require("../validators/generated");\n\nfunction removeTypeDuplicates(nodes) {\n const generics = {};\n const bases = {};\n const typeGroups = [];\n const types = [];\n for (let i = 0; i < nodes.length; i++) {\n const node = nodes[i];\n if (!node) continue;\n if (types.indexOf(node) >= 0) {\n continue;\n }\n if ((0, _generated.isTSAnyKeyword)(node)) {\n return [node];\n }\n if ((0, _generated.isTSBaseType)(node)) {\n bases[node.type] = node;\n continue;\n }\n if ((0, _generated.isTSUnionType)(node)) {\n if (typeGroups.indexOf(node.types) < 0) {\n nodes = nodes.concat(node.types);\n typeGroups.push(node.types);\n }\n continue;\n }\n types.push(node);\n }\n for (const type of Object.keys(bases)) {\n types.push(bases[type]);\n }\n for (const name of Object.keys(generics)) {\n types.push(generics[name]);\n }\n return types;\n}, {"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nObject.defineProperty(exports, "ArrayExpression", {\n enumerable: true,\n get: function () {\n return _index.arrayExpression;\n }\n});\n\nObject.defineProperty(exports, "AssignmentExpression", {\n enumerable: true,\n get: function () {\n return _index.assignmentExpression;\n }\n});\n\nObject.defineProperty(exports, "BinaryExpression", {\n enumerable: true,\n get: function () {\n return _index.binaryExpression;\n }\n});\n\nObject.defineProperty(exports, "InterpreterDirective", {\n enumerable: true,\n get: function () {\n return _index.interpreterDirective;\n }\n});\n\nObject.defineProperty(exports, "Directive", {\n enumerable: true,\n get: function () {\n return _index.directive;\n }\n});\n\nObject.defineProperty(exports, "DirectiveLiteral", {\n enumerable: true,\n get: function () {\n return _index.directiveLiteral;\n }\n});\n\nObject.defineProperty(exports, "BlockStatement", {\n enumerable: true,\n get: function () {\n return _index.blockStatement;\n }\n});\n\nObject.defineProperty(exports, "BreakStatement", {\n enumerable: true,\n get: function () {\n return _index.breakStatement;\n }\n});\n\nObject.defineProperty(exports, "CallExpression", {\n enumerable: true,\n get: function () {\n return _index.callExpression;\n }\n});\n\nObject.defineProperty(exports, "CatchClause", {\n enumerable: true,\n get: function () {\n return _index.catchClause;\n }\n});\n\nObject.defineProperty(exports, "ConditionalExpression", {\n enumerable: true,\n get: function () {\n return _index.conditionalExpression;\n }\n});\n\nObject.defineProperty(exports, "ContinueStatement", {\n enumerable: true,\n get: function () {\n return _index.continueStatement;\n }\n});\n\nObject.defineProperty(exports, "DebuggerStatement", {\n enumerable: true,\n get: function () {\n return _index.debuggerStatement;\n }\n});\n\nObject.defineProperty(exports, "DoWhileStatement", {\n enumerable: true,\n get: function () {\n return _index.doWhileStatement;\n }\n});\n\nObject.defineProperty(exports, "EmptyStatement", {\n enumerable: true,\n get: function () {\n return _index.emptyStatement;\n }\n});\n\nObject.defineProperty(exports, "ExpressionStatement", {\n enumerable: true,\n get: function () {\n return _index.expressionStatement;\n }\n});\n\nObject.defineProperty(exports, "File", {\n enumerable: true,\n get: function () {\n return _index.file;\n }\n});\n\nObject.defineProperty(exports, "ForInStatement", {\n enumerable: true,\n get: function () {\n return _index.forInStatement;\n }\n});\n\nObject.defineProperty(exports, "ForStatement", {\n enumerable: true,\n get: function () {\n return _index.forStatement;\n }\n});\n\nObject.defineProperty(exports, "FunctionDeclaration", {\n enumerable: true,\n get: function () {\n return _index.functionDeclaration;\n }\n});\n\nObject.defineProperty(exports, "FunctionExpression", {\n enumerable: true,\n get: function () {\n return _index.functionExpression;\n }\n});\n\nObject.defineProperty(exports, "Identifier", {\n enumerable: true,\n get: function () {\n return _index.identifier;\n }\n});\n\nObject.defineProperty(exports, "IfStatement", {\n enumerable: true,\n get: function () {\n return _index.ifStatement;\n }\n});

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 } \n});\nObject.defineProperty(exports, \"LabeledStatement\", {\n enumerable: true,\n get: function () {\n return
_index.labeledStatement;\n } \n});\nObject.defineProperty(exports, \"StringLiteral\", {\n enumerable: true,\n get:
function () {\n return _index.stringLiteral;\n } \n});\nObject.defineProperty(exports, \"NumericLiteral\", {\n
enumerable: true,\n get: function () {\n return _index.numericLiteral;\n } \n});\nObject.defineProperty(exports,
\"NullLiteral\", {\n enumerable: true,\n get: function () {\n return _index.nullLiteral;\n
} \n});\nObject.defineProperty(exports, \"BooleanLiteral\", {\n enumerable: true,\n get: function () {\n return
_index.booleanLiteral;\n } \n});\nObject.defineProperty(exports, \"RegExpLiteral\", {\n enumerable: true,\n get:
function () {\n return _index.regExpLiteral;\n } \n});\nObject.defineProperty(exports, \"LogicalExpression\", {\n
enumerable: true,\n get: function () {\n return _index.logicalExpression;\n
} \n});\nObject.defineProperty(exports, \"MemberExpression\", {\n enumerable: true,\n get: function () {\n
return _index.memberExpression;\n } \n});\nObject.defineProperty(exports, \"NewExpression\", {\n enumerable:
true,\n get: function () {\n return _index.newExpression;\n } \n});\nObject.defineProperty(exports, \"Program\",
{\n enumerable: true,\n get: function () {\n return _index.program;\n } \n});\nObject.defineProperty(exports,
\"ObjectExpression\", {\n enumerable: true,\n get: function () {\n return _index.objectExpression;\n
} \n});\nObject.defineProperty(exports, \"ObjectMethod\", {\n enumerable: true,\n get: function () {\n return
_index.objectMethod;\n } \n});\nObject.defineProperty(exports, \"ObjectProperty\", {\n enumerable: true,\n get:
function () {\n return _index.objectProperty;\n } \n});\nObject.defineProperty(exports, \"RestElement\", {\n
enumerable: true,\n get: function () {\n return _index.restElement;\n } \n});\nObject.defineProperty(exports,
\"ReturnStatement\", {\n enumerable: true,\n get: function () {\n return _index.returnStatement;\n
} \n});\nObject.defineProperty(exports, \"SequenceExpression\", {\n enumerable: true,\n get: function () {\n
return _index.sequenceExpression;\n } \n});\nObject.defineProperty(exports, \"ParenthesizedExpression\", {\n
enumerable: true,\n get: function () {\n return _index.parenthesizedExpression;\n
} \n});\nObject.defineProperty(exports, \"SwitchCase\", {\n enumerable: true,\n get: function () {\n return
_index.switchCase;\n } \n});\nObject.defineProperty(exports, \"SwitchStatement\", {\n enumerable: true,\n get:
function () {\n return _index.switchStatement;\n } \n});\nObject.defineProperty(exports, \"ThisExpression\", {\n
enumerable: true,\n get: function () {\n return _index.thisExpression;\n } \n});\nObject.defineProperty(exports,
\"ThrowStatement\", {\n enumerable: true,\n get: function () {\n return _index.throwStatement;\n
} \n});\nObject.defineProperty(exports,
\"TryStatement\", {\n enumerable: true,\n get: function () {\n return _index.tryStatement;\n
} \n});\nObject.defineProperty(exports, \"UnaryExpression\", {\n enumerable: true,\n get: function () {\n return
_index.unaryExpression;\n } \n});\nObject.defineProperty(exports, \"UpdateExpression\", {\n enumerable: true,\n
get: function () {\n return _index.updateExpression;\n } \n});\nObject.defineProperty(exports,
\"VariableDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.variableDeclaration;\n
} \n});\nObject.defineProperty(exports, \"VariableDeclarator\", {\n enumerable: true,\n get: function () {\n
return _index.variableDeclarator;\n } \n});\nObject.defineProperty(exports, \"WhileStatement\", {\n enumerable:
true,\n get: function () {\n return _index.whileStatement;\n } \n});\nObject.defineProperty(exports, \"WithStatement\", {\n
enumerable: true,\n get: function () {\n return _index.withStatement;\n
} \n});\nObject.defineProperty(exports, \"AssignmentPattern\", {\n enumerable: true,\n get: function () {\n
return _index.assignmentPattern;\n } \n});\nObject.defineProperty(exports, \"ArrayPattern\", {\n enumerable:
true,\n get: function () {\n return _index.arrayPattern;\n } \n});\nObject.defineProperty(exports,
\"ArrowFunctionExpression\", {\n enumerable: true,\n get: function () {\n return
_index.arrowFunctionExpression;\n } \n});\nObject.defineProperty(exports, \"ClassBody\", {\n enumerable: true,\n
get: function () {\n return _index.classBody;\n } \n});\nObject.defineProperty(exports, \"ClassExpression\", {\n
enumerable: true,\n get: function () {\n return _index.classExpression;\n } \n});\nObject.defineProperty(exports,
\"ClassDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.classDeclaration;\n
} \n});\nObject.defineProperty(exports, \"ExportAllDeclaration\", {\n enumerable: true,\n get: function () {\n
return

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_index.exportAllDeclaration;\n }\\n});\\nObject.defineProperty(exports, \\\"ExportDefaultDeclaration\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.exportDefaultDeclaration;\\n
}\\n});\\nObject.defineProperty(exports, \\\"ExportNamedDeclaration\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.exportNamedDeclaration;\\n }\\n});\\nObject.defineProperty(exports, \\\"ExportSpecifier\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.exportSpecifier;\\n }\\n});\\nObject.defineProperty(exports,
\\\"ForOfStatement\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.forOfStatement;\\n
}\\n});\\nObject.defineProperty(exports, \\\"ImportDeclaration\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.importDeclaration;\\n }\\n});\\nObject.defineProperty(exports, \\\"ImportDefaultSpecifier\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.importDefaultSpecifier;\\n }\\n});\\nObject.defineProperty(exports,
\\\"ImportNamespaceSpecifier\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.importNamespaceSpecifier;\\n
}\\n});\\nObject.defineProperty(exports, \\\"ImportSpecifier\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.importSpecifier;\\n }\\n});\\nObject.defineProperty(exports, \\\"MetaProperty\\\", {\\n enumerable: true,\\n get:
function () {\\n return _index.metaProperty;\\n }\\n});\\nObject.defineProperty(exports, \\\"ClassMethod\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.classMethod;\\n }\\n});\\nObject.defineProperty(exports,
\\\"ObjectPattern\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.objectPattern;\\n
}\\n});\\nObject.defineProperty(exports, \\\"SpreadElement\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.spreadElement;\\n }\\n});\\nObject.defineProperty(exports, \\\"Super\\\", {\\n enumerable: true,\\n get: function ()
{\\n return _index.super;\\n }\\n});\\nObject.defineProperty(exports, \\\"TaggedTemplateExpression\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.taggedTemplateExpression;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TemplateElement\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.templateElement;\\n }\\n});\\nObject.defineProperty(exports, \\\"TemplateLiteral\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.templateLiteral;\\n }\\n});\\nObject.defineProperty(exports, \\\"YieldExpression\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.yieldExpression;\\n
}\\n});\\nObject.defineProperty(exports, \\\"AwaitExpression\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.awaitExpression;\\n }\\n});\\nObject.defineProperty(exports, \\\"Import\\\", {\\n enumerable: true,\\n get: function
() {\\n return _index.import;\\n }\\n});\\nObject.defineProperty(exports, \\\"BigIntLiteral\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.bigIntLiteral;\\n }\\n});\\nObject.defineProperty(exports,
\\\"ExportNamespaceSpecifier\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.exportNamespaceSpecifier;\\n
}\\n});\\nObject.defineProperty(exports, \\\"OptionalMemberExpression\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.optionalMemberExpression;\\n }\\n});\\nObject.defineProperty(exports, \\\"OptionalCallExpression\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.optionalCallExpression;\\n
}\\n});\\nObject.defineProperty(exports, \\\"AnyTypeAnnotation\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.anyTypeAnnotation;\\n }\\n});\\nObject.defineProperty(exports, \\\"ArrayTypeAnnotation\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.arrayTypeAnnotation;\\n
}\\n});\\nObject.defineProperty(exports, \\\"BooleanTypeAnnotation\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.booleanTypeAnnotation;\\n }\\n});\\nObject.defineProperty(exports,
\\\"BooleanLiteralTypeAnnotation\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.booleanLiteralTypeAnnotation;\\n }\\n});\\nObject.defineProperty(exports, \\\"NullLiteralTypeAnnotation\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.nullLiteralTypeAnnotation;\\n
}\\n});\\nObject.defineProperty(exports, \\\"ClassImplements\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.classImplements;\\n }\\n});\\nObject.defineProperty(exports, \\\"DeclareClass\\\", {\\n enumerable: true,\\n get:
function () {\\n return _index.declareClass;\\n }\\n});\\nObject.defineProperty(exports, \\\"DeclareFunction\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.declareFunction;\\n }\\n});\\nObject.defineProperty(exports,
\\\"DeclareInterface\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.declareInterface;\\n
}\\n});\\nObject.defineProperty(exports, \\\"DeclareModule\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.declareModule;\\n }\\n});\\nObject.defineProperty(exports, \\\"DeclareModuleExports\\\", {\\n enumerable:

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return _index.symbolTypeAnnotation;\n }\\n});\\nObject.defineProperty(exports, \\\"ThisTypeAnnotation\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.thisTypeAnnotation;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TupleTypeAnnotation\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.tupleTypeAnnotation;\\n }\\n});\\nObject.defineProperty(exports, \\\"TypeofTypeAnnotation\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.typeofTypeAnnotation;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TypeAlias\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.typeAlias;\\n }\\n});\\nObject.defineProperty(exports, \\\"TypeAnnotation\\\", {\\n enumerable: true,\\n get:
function () {\\n return _index.typeAnnotation;\\n }\\n});\\nObject.defineProperty(exports, \\\"TypeCastExpression\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.typeCastExpression;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TypeParameter\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.typeParameter;\\n }\\n});\\nObject.defineProperty(exports, \\\"TypeParameterDeclaration\\\", {\\n enumerable:
true,\\n get: function () {\\n
return _index.typeParameterDeclaration;\\n }\\n});\\nObject.defineProperty(exports, \\\"TypeParameterInstantiation\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.typeParameterInstantiation;\\n
}\\n});\\nObject.defineProperty(exports, \\\"UnionTypeAnnotation\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.unionTypeAnnotation;\\n }\\n});\\nObject.defineProperty(exports, \\\"Variance\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.variance;\\n }\\n});\\nObject.defineProperty(exports, \\\"VoidTypeAnnotation\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.voidTypeAnnotation;\\n
}\\n});\\nObject.defineProperty(exports, \\\"EnumDeclaration\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.enumDeclaration;\\n }\\n});\\nObject.defineProperty(exports, \\\"EnumBooleanBody\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.enumBooleanBody;\\n }\\n});\\nObject.defineProperty(exports,
\\\"EnumNumberBody\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.enumNumberBody;\\n }\\n});\\nObject.defineProperty(exports,
\\\"EnumStringBody\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.enumStringBody;\\n
}\\n});\\nObject.defineProperty(exports, \\\"EnumSymbolBody\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.enumSymbolBody;\\n }\\n});\\nObject.defineProperty(exports, \\\"EnumBooleanMember\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.enumBooleanMember;\\n }\\n});\\nObject.defineProperty(exports,
\\\"EnumNumberMember\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.enumNumberMember;\\n
}\\n});\\nObject.defineProperty(exports, \\\"EnumStringMember\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.enumStringMember;\\n }\\n});\\nObject.defineProperty(exports, \\\"EnumDefaultedMember\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.enumDefaultedMember;\\n }\\n});\\nObject.defineProperty(exports,
\\\"IndexedAccessType\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.indexedAccessType;\\n
}\\n});\\nObject.defineProperty(exports, \\\"OptionalIndexedAccessType\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.optionalIndexedAccessType;\\n }\\n});\\nObject.defineProperty(exports, \\\"JSXAttribute\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.jsxAttribute;\\n }\\n});\\nObject.defineProperty(exports,
\\\"JSXClosingElement\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.jsxClosingElement;\\n
}\\n});\\nObject.defineProperty(exports, \\\"JSXElement\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.jsxElement;\\n }\\n});\\nObject.defineProperty(exports, \\\"JSXEmptyExpression\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.jsxEmptyExpression;\\n }\\n});\\nObject.defineProperty(exports,
\\\"JSXExpressionContainer\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.jsxExpressionContainer;\\n
}\\n});\\nObject.defineProperty(exports,
\\\"JSXSpreadChild\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.jsxSpreadChild;\\n
}\\n});\\nObject.defineProperty(exports, \\\"JSXIdentifier\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.jsxIdentifier;\\n }\\n});\\nObject.defineProperty(exports, \\\"JSXMemberExpression\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.jsxMemberExpression;\\n }\\n});\\nObject.defineProperty(exports,
\\\"JSXNamespacedName\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.jsxNamespacedName;\\n
}\\n});\\nObject.defineProperty(exports, \\\"JSXOpeningElement\\\", {\\n enumerable: true,\\n get: function () {\\n

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return _index.jsxOpeningElement;\n }\\n});\\nObject.defineProperty(exports, \\\"JSXSpreadAttribute\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.jsxSpreadAttribute;\\n
}\\n});\\nObject.defineProperty(exports, \\\"JSXText\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.jsxText;\\n }\\n});\\nObject.defineProperty(exports,
\\\"JSXFragment\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.jsxFragment;\\n
}\\n});\\nObject.defineProperty(exports, \\\"JSXOpeningFragment\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.jsxOpeningFragment;\\n }\\n});\\nObject.defineProperty(exports, \\\"JSXClosingFragment\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.jsxClosingFragment;\\n
}\\n});\\nObject.defineProperty(exports, \\\"Noop\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.noop;\\n }\\n});\\nObject.defineProperty(exports, \\\"Placeholder\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.placeholder;\\n }\\n});\\nObject.defineProperty(exports, \\\"V8IntrinsicIdentifier\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.v8IntrinsicIdentifier;\\n }\\n});\\nObject.defineProperty(exports,
\\\"ArgumentPlaceholder\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.argumentPlaceholder;\\n
}\\n});\\nObject.defineProperty(exports,
\\\"BindExpression\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.bindExpression;\\n
}\\n});\\nObject.defineProperty(exports, \\\"ClassProperty\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.classProperty;\\n }\\n});\\nObject.defineProperty(exports, \\\"PipelineTopicExpression\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.pipelineTopicExpression;\\n }\\n});\\nObject.defineProperty(exports,
\\\"PipelineBareFunction\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.pipelineBareFunction;\\n
}\\n});\\nObject.defineProperty(exports, \\\"PipelinePrimaryTopicReference\\\", {\\n enumerable: true,\\n get: function ()
{\\n return _index.pipelinePrimaryTopicReference;\\n }\\n});\\nObject.defineProperty(exports,
\\\"ClassPrivateProperty\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.classPrivateProperty;\\n
}\\n});\\nObject.defineProperty(exports, \\\"ClassPrivateMethod\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.classPrivateMethod;\\n }\\n});\\nObject.defineProperty(exports,
\\\"ImportAttribute\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.importAttribute;\\n
}\\n});\\nObject.defineProperty(exports, \\\"Decorator\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.decorator;\\n }\\n});\\nObject.defineProperty(exports, \\\"DoExpression\\\", {\\n enumerable: true,\\n get: function
() {\\n return _index.doExpression;\\n }\\n});\\nObject.defineProperty(exports, \\\"ExportDefaultSpecifier\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.exportDefaultSpecifier;\\n
}\\n});\\nObject.defineProperty(exports, \\\"PrivateName\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.privateName;\\n }\\n});\\nObject.defineProperty(exports, \\\"RecordExpression\\\", {\\n enumerable: true,\\n get:
function () {\\n return _index.recordExpression;\\n }\\n});\\nObject.defineProperty(exports, \\\"TupleExpression\\\", {\\n
enumerable:
true,\\n get: function () {\\n return _index.tupleExpression;\\n }\\n});\\nObject.defineProperty(exports,
\\\"DecimalLiteral\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.decimalLiteral;\\n
}\\n});\\nObject.defineProperty(exports, \\\"StaticBlock\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.staticBlock;\\n }\\n});\\nObject.defineProperty(exports, \\\"ModuleExpression\\\", {\\n enumerable: true,\\n get:
function () {\\n return _index.moduleExpression;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSParameterProperty\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsParameterProperty;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSDeclareFunction\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsDeclareFunction;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSDeclareMethod\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.tsDeclareMethod;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSQualifiedName\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.tsQualifiedName;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSCallSignatureDeclaration\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsCallSignatureDeclaration;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSConstructSignatureDeclaration\\\",
{\\n enumerable: true,\\n get: function () {\\n return _index.tsConstructSignatureDeclaration;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSPropertySignature\\\", {\\n enumerable: true,\\n get: function () {\\n

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return _index.tsPropertySignature;\n }\\n});\\nObject.defineProperty(exports, \\\"TSMethodSignature\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.tsMethodSignature;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSIndexSignature\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsIndexSignature;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSAnyKeyword\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.tsAnyKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSBooleanKeyword\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.tsBooleanKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSBigIntKeyword\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.tsBigIntKeyword;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSIntrinsicKeyword\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsIntrinsicKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSNeverKeyword\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsNeverKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSNullKeyword\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.tsNullKeyword;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSNumberKeyword\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsNumberKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSObjectKeyword\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsObjectKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSStringKeyword\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsStringKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSSymbolKeyword\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.tsSymbolKeyword;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSUndefinedKeyword\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsUndefinedKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSUnknownKeyword\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.tsUnknownKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSVoidKeyword\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.tsVoidKeyword;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSThisType\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsThisType;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSFunctionType\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsFunctionType;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSConstructorType\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.tsConstructorType;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSTypeReference\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.tsTypeReference;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSTypePredicate\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsTypePredicate;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSTypeQuery\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsTypeQuery;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSTypeLiteral\\\", {\\n enumerable: true,\\n get:
function () {\\n return _index.tsTypeLiteral;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSArrayType\\\", {\\n
enumerable: true,\\n get: function () {\\n return _index.tsArrayType;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSTupleType\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsTupleType;\\n
}\\n});\\nObject.defineProperty(exports,
\\\"TSOptionalType\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsOptionalType;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSRestType\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsRestType;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSNamedTupleMember\\\", {\\n enumerable: true,\\n
get: function () {\\n return _index.tsNamedTupleMember;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSUnionType\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsUnionType;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSIntersectionType\\\", {\\n enumerable: true,\\n get: function () {\\n
return _index.tsIntersectionType;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSConditionalType\\\", {\\n enumerable:
true,\\n get: function () {\\n return _index.tsConditionalType;\\n }\\n});\\nObject.defineProperty(exports,
\\\"TSInferType\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsInferType;\\n
}\\n});\\nObject.defineProperty(exports,
\\\"TSParenthesizedType\\\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsParenthesizedType;\\n
}\\n});\\nObject.defineProperty(exports, \\\"TSTypeOperator\\\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsTypeOperator;\\n }\\n});\\nObject.defineProperty(exports, \\\"TSIndexedAccessType\\\", {\\n enumerable:

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true,\n get: function () {\n return _index.tsIndexedAccessType;\n } \n});\nObject.defineProperty(exports,\n \"TSMappedType\", {\n enumerable: true,\n get: function () {\n return _index.tsMappedType;\n } \n});\nObject.defineProperty(exports, \"TSLiteralType\", {\n enumerable: true,\n get: function () {\n return _index.tsLiteralType;\n } \n});\nObject.defineProperty(exports, \"TSExpressionWithTypeArguments\", {\n enumerable: true,\n get: function () {\n return _index.tsExpressionWithTypeArguments;\n } \n});\nObject.defineProperty(exports, \"TSInterfaceDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.tsInterfaceDeclaration;\n } \n});\nObject.defineProperty(exports, \"TSInterfaceBody\", {\n enumerable: true,\n get: function () {\n return _index.tsInterfaceBody;\n } \n});\nObject.defineProperty(exports, \"TSTypeAliasDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.tsTypeAliasDeclaration;\n } \n});\nObject.defineProperty(exports, \"TSAsExpression\", {\n enumerable: true,\n get: function () {\n return _index.tsAsExpression;\n } \n});\nObject.defineProperty(exports, \"TSTypeAssertion\", {\n enumerable: true,\n get: function () {\n return _index.tsTypeAssertion;\n } \n});\nObject.defineProperty(exports, \"TSEnumDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.tsEnumDeclaration;\n } \n});\nObject.defineProperty(exports, \"TSEnumMember\", {\n enumerable: true,\n get: function () {\n return _index.tsEnumMember;\n } \n});\nObject.defineProperty(exports, \"TSModuleDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.tsModuleDeclaration;\n } \n});\nObject.defineProperty(exports, \"TSModuleBlock\", {\n enumerable: true,\n get: function () {\n return _index.tsModuleBlock;\n } \n});\nObject.defineProperty(exports, \"TSImportType\", {\n enumerable: true,\n get: function () {\n return _index.tsImportType;\n } \n});\nObject.defineProperty(exports, \"TSImportEqualsDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.tsImportEqualsDeclaration;\n } \n});\nObject.defineProperty(exports, \"TSExternalModuleReference\", {\n enumerable: true,\n get: function () {\n return _index.tsExternalModuleReference;\n } \n});\nObject.defineProperty(exports, \"TSNonNullExpression\", {\n enumerable: true,\n get: function () {\n return _index.tsNonNullExpression;\n } \n});\nObject.defineProperty(exports, \"TSExportAssignment\", {\n enumerable: true,\n get: function () {\n return _index.tsExportAssignment;\n } \n});\nObject.defineProperty(exports, \"TSNamespaceExportDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.tsNamespaceExportDeclaration;\n } \n});\nObject.defineProperty(exports, \"TSTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.tsTypeAnnotation;\n } \n});\nObject.defineProperty(exports, \"TSTypeParameterInstantiation\", {\n enumerable: true,\n get: function () {\n return _index.tsTypeParameterInstantiation;\n } \n});\nObject.defineProperty(exports, \"TSTypeParameterDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.tsTypeParameterDeclaration;\n } \n});\nObject.defineProperty(exports, \"TSTypeParameter\", {\n enumerable: true,\n get: function () {\n return _index.tsTypeParameter;\n } \n});\nObject.defineProperty(exports, \"NumberLiteral\", {\n enumerable: true,\n get: function () {\n return _index.numberLiteral;\n } \n});\nObject.defineProperty(exports, \"RegexLiteral\", {\n enumerable: true,\n get: function () {\n return _index.regexLiteral;\n } \n});\nObject.defineProperty(exports, \"RestProperty\", {\n enumerable: true,\n get: function () {\n return _index.restProperty;\n } \n});\nObject.defineProperty(exports, \"SpreadProperty\", {\n enumerable: true,\n get: function () {\n return _index.spreadProperty;\n } \n});\n\nvar _index = require(\"./index\");\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = clone;\n\nvar _cloneNode = require(\"./cloneNode\");\n\nfunction clone(node) {\n return (0, _cloneNode.default)(node, false);\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = cloneDeep;\n\nvar _cloneNode = require(\"./cloneNode\");\n\nfunction cloneDeep(node) {\n return (0, _cloneNode.default)(node);\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = cloneDeepWithoutLoc;\n\nvar _cloneNode = require(\"./cloneNode\");\n\nfunction cloneDeepWithoutLoc(node) {\n return (0, _cloneNode.default)(node, true);\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = cloneWithoutLoc;\n\nvar _cloneNode = require(\"./cloneNode\");\n\nfunction cloneWithoutLoc(node) {\n return (0, _cloneNode.default)(node, false, true);\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});

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value: true\n});\nexports.default = addComment;\n\nvar _addComments = require(\"./addComments\");\n\nfunction
addComment(node, type, content, line) {\n return (0, _addComments.default)(node, type, [{\n type: line ?
\"CommentLine\" : \"CommentBlock\",
 value: content\n }]);\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
removeComments;\n\nvar _constants = require(\"./constants\");\n\nfunction removeComments(node) {\n
 _constants.COMMENT_KEYS.forEach(key
 => {\n node[key] = null;\n });\n return node;\n}, \"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.TSBASETYPE_TYPES = exports.TSTYPE_TYPES =
exports.TSTYPEELEMENT_TYPES = exports.PRIVATE_TYPES = exports.JSX_TYPES =
exports.ENUMMEMBER_TYPES = exports.ENUMBODY_TYPES = exports.FLOWPREDICATE_TYPES =
exports.FLOWDECLARATION_TYPES = exports.FLOWBASEANNOTATION_TYPES =
exports.FLOWTYPE_TYPES = exports.FLOW_TYPES = exports.MODULESPECIFIER_TYPES =
exports.EXPORTDECLARATION_TYPES = exports.MODULEDECLARATION_TYPES =
exports.CLASS_TYPES = exports.PATTERN_TYPES = exports.UNARYLIKE_TYPES =
exports.PROPERTY_TYPES = exports.OBJECTMEMBER_TYPES = exports.METHOD_TYPES =
exports.USERWHITESPACABLE_TYPES = exports.IMMUTABLE_TYPES = exports.LITERAL_TYPES =
exports.TSENTITYNAME_TYPES = exports.LVAL_TYPES = exports.PATTERNLIKE_TYPES =
exports.DECLARATION_TYPES = exports.PUREISH_TYPES = exports.FUNCTIONPARENT_TYPES =
exports.FUNCTION_TYPES = exports.FORXSTATEMENT_TYPES
 = exports.FOR_TYPES = exports.EXPRESSIONWRAPPER_TYPES = exports.WHILE_TYPES =
exports.LOOP_TYPES = exports.CONDITIONAL_TYPES = exports.COMPLETIONSTATEMENT_TYPES =
exports.TERMINATORLESS_TYPES = exports.STATEMENT_TYPES = exports.BLOCK_TYPES =
exports.BLOCKPARENT_TYPES = exports.SCOPABLE_TYPES = exports.BINARY_TYPES =
exports.EXPRESSION_TYPES = void 0;\n\nvar _definitions = require(\"../definitions\");\n\nconst
EXPRESSION_TYPES = _definitions.FLIPPED_ALIAS_KEYS[\"Expression\"];\n\nexports.EXPRESSION_TYPES
= EXPRESSION_TYPES;\n\nconst BINARY_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"Binary\"];\n\nexports.BINARY_TYPES = BINARY_TYPES;\n\nconst
SCOPABLE_TYPES = _definitions.FLIPPED_ALIAS_KEYS[\"Scopable\"];\n\nexports.SCOPABLE_TYPES =
SCOPABLE_TYPES;\n\nconst BLOCKPARENT_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"BlockParent\"];\n\nexports.BLOCKPARENT_TYPES =
BLOCKPARENT_TYPES;\n\nconst BLOCK_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"Block\"];\n\nexports.BLOCK_TYPES = BLOCK_TYPES;\n\nconst
STATEMENT_TYPES
 = _definitions.FLIPPED_ALIAS_KEYS[\"Statement\"];\n\nexports.STATEMENT_TYPES =
STATEMENT_TYPES;\n\nconst TERMINATORLESS_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"Terminatorless\"];\n\nexports.TERMINATORLESS_TYPES =
TERMINATORLESS_TYPES;\n\nconst COMPLETIONSTATEMENT_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"CompletionStatement\"];\n\nexports.COMPLETIONSTATEMENT_TYPES
= COMPLETIONSTATEMENT_TYPES;\n\nconst CONDITIONAL_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"Conditional\"];\n\nexports.CONDITIONAL_TYPES =
CONDITIONAL_TYPES;\n\nconst LOOP_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"Loop\"];\n\nexports.LOOP_TYPES = LOOP_TYPES;\n\nconst
WHILE_TYPES = _definitions.FLIPPED_ALIAS_KEYS[\"While\"];\n\nexports.WHILE_TYPES =
WHILE_TYPES;\n\nconst EXPRESSIONWRAPPER_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"ExpressionWrapper\"];\n\nexports.EXPRESSIONWRAPPER_TYPES =
EXPRESSIONWRAPPER_TYPES;\n\nconst FOR_TYPES =
 _definitions.FLIPPED_ALIAS_KEYS[\"For\"];\n\nexports.FOR_TYPES = FOR_TYPES;\n\nconst
FORXSTATEMENT_TYPES =

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_definitions.FLIPPED_ALIAS_KEYS["ForXStatement\"]; \nexports.FORXSTATEMENT_TYPES
= FORXSTATEMENT_TYPES; \nconst FUNCTION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Function\"]; \nexports.FUNCTION_TYPES =
FUNCTION_TYPES; \nconst FUNCTIONPARENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FunctionParent\"]; \nexports.FUNCTIONPARENT_TYPES =
FUNCTIONPARENT_TYPES; \nconst PUREISH_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Pureish\"]; \nexports.PUREISH_TYPES = PUREISH_TYPES; \nconst
DECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Declaration\"]; \nexports.DECLARATION_TYPES =
DECLARATION_TYPES; \nconst PATTERNLIKE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["PatternLike\"]; \nexports.PATTERNLIKE_TYPES =
PATTERNLIKE_TYPES; \nconst LVAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["LVal\"]; \nexports.LVAL_TYPES = LVAL_TYPES; \nconst
TSENTITYNAME_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSEntityName\"]; \nexports.TSENTITYNAME_TYPES =
TSENTITYNAME_TYPES; \nconst LITERAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Literal\"]; \nexports.LITERAL_TYPES
= LITERAL_TYPES; \nconst IMMUTABLE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Immutable\"]; \nexports.IMMUTABLE_TYPES =
IMMUTABLE_TYPES; \nconst USERWHITESPACABLE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["UserWhitespacable\"]; \nexports.USERWHITESPACABLE_TYPES =
USERWHITESPACABLE_TYPES; \nconst METHOD_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Method\"]; \nexports.METHOD_TYPES = METHOD_TYPES; \nconst
OBJECTMEMBER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ObjectMember\"]; \nexports.OBJECTMEMBER_TYPES =
OBJECTMEMBER_TYPES; \nconst PROPERTY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Property\"]; \nexports.PROPERTY_TYPES =
PROPERTY_TYPES; \nconst UNARYLIKE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["UnaryLike\"]; \nexports.UNARYLIKE_TYPES =
UNARYLIKE_TYPES; \nconst PATTERN_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Pattern\"]; \nexports.PATTERN_TYPES = PATTERN_TYPES; \nconst
CLASS_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Class\"]; \nexports.CLASS_TYPES =
CLASS_TYPES; \nconst MODULEDECLARATION_TYPES
= _definitions.FLIPPED_ALIAS_KEYS["ModuleDeclaration\"]; \nexports.MODULEDECLARATION_TYPES =
MODULEDECLARATION_TYPES; \nconst EXPORTDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ExportDeclaration\"]; \nexports.EXPORTDECLARATION_TYPES =
EXPORTDECLARATION_TYPES; \nconst MODULESPECIFIER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ModuleSpecifier\"]; \nexports.MODULESPECIFIER_TYPES =
MODULESPECIFIER_TYPES; \nconst FLOW_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Flow\"]; \nexports.FLOW_TYPES = FLOW_TYPES; \nconst
FLOWTYPE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["FlowType\"]; \nexports.FLOWTYPE_TYPES =
FLOWTYPE_TYPES; \nconst FLOWBASEANNOTATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowBaseAnnotation\"]; \nexports.FLOWBASEANNOTATION_TYPES =
FLOWBASEANNOTATION_TYPES; \nconst FLOWDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowDeclaration\"]; \nexports.FLOWDECLARATION_TYPES =
FLOWDECLARATION_TYPES; \nconst FLOWPREDICATE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowPredicate\"]; \nexports.FLOWPREDICATE_TYPES

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 \"__esModule\", {\n value: true\n});\nexports.default = gatherSequenceExpressions;\n\nvar _getBindingIdentifiers = require(\"../retrievers/getBindingIdentifiers\");\nvar _generated = require(\"../validators/generated\");\nvar _generated2 = require(\"../builders/generated\");\nvar _cloneNode = require(\"../clone/cloneNode\");\n\nfunction gatherSequenceExpressions(nodes, scope, declars) {\n const exprs = [];\n let ensureLastUndefined = true;\n\n for (const node of nodes) {\n if (!!(0, _generated.isEmptyStatement)(node)) {\n ensureLastUndefined = false;\n }\n\n if ((0, _generated.isExpression)(node)) {\n exprs.push(node);\n } else if ((0, _generated.isExpressionStatement)(node)) {\n exprs.push(node.expression);\n } else if ((0, _generated.isVariableDeclaration)(node)) {\n if (node.kind !== \"var\") return;\n\n for (const declar of node.declarations) {\n const bindings = (0, _getBindingIdentifiers.default)(declar);\n\n for (const key of Object.keys(bindings)) {\n declars.push({\n kind: node.kind,\n id: (0, _cloneNode.default)(bindings[key]),\n });\n }\n\n if (declar.init) {\n exprs.push((0, _generated2.assignmentExpression)(\"=\" , declar.id, declar.init));\n }\n }\n\n ensureLastUndefined = true;\n } else if ((0, _generated.isIfStatement)(node)) {\n const consequent = node.consequent ? gatherSequenceExpressions([node.consequent], scope, declars) : scope.buildUndefinedNode();\n const alternate = node.alternate ? gatherSequenceExpressions([node.alternate], scope, declars) : scope.buildUndefinedNode();\n\n if (!consequent || !alternate) return;\n exprs.push((0, _generated2.conditionalExpression)(node.test, consequent, alternate));\n } else if ((0, _generated.isBlockStatement)(node)) {\n const body = gatherSequenceExpressions(node.body, scope, declars);\n\n if (!body) return;\n exprs.push(body);\n } else if ((0, _generated.isEmptyStatement)(node)) {\n if (nodes.indexOf(node) === 0) {\n ensureLastUndefined = true;\n }\n } else {\n return;\n }\n }\n\n if (ensureLastUndefined) {\n exprs.push(scope.buildUndefinedNode());\n }\n\n if (exprs.length === 1) {\n return exprs[0];\n } else {\n return (0, _generated2.sequenceExpression)(exprs);\n }\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default = void 0;\n\nvar _generated = require(\"../validators/generated\");\nvar _generated2 = require(\"../builders/generated\");\n\nvar _default = toStatement;\n\nfunction toStatement(node, ignore) {\n if ((0, _generated.isStatement)(node)) {\n return node;\n }\n\n let mustHaveId = false;\n let newType;\n\n if ((0, _generated.isClass)(node)) {\n mustHaveId = true;\n newType = \"ClassDeclaration\";\n } else if ((0, _generated.isFunction)(node)) {\n mustHaveId = true;\n newType = \"FunctionDeclaration\";\n } else if ((0, _generated.isAssignmentExpression)(node)) {\n return (0, _generated2.expressionStatement)(node);\n }\n\n if (mustHaveId && !node.id) {\n newType = false;\n }\n\n if (!newType) {\n if (ignore) {\n return false;\n } else {\n throw new Error(`cannot turn ${node.type} to a statement`);\n }\n }\n\n node.type = newType;\n return node;\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default = void 0;\n\nvar _isValidIdentifier = require(\"../validators/isValidIdentifier\");\n\nvar _generated = require(\"../builders/generated\");\n\nvar _default = valueToNode;\n\nexports.default = _default;\n\nconst objectToString = Function.call.bind(Object.prototype.toString);\n\nfunction isRegExp(value) {\n return objectToString(value) === \"[object RegExp]\";\n}\n\nfunction isPlainObject(value) {\n if (typeof value !== \"object\" || value === null || Object.prototype.toString.call(value) !== \"[object Object]\") {\n return false;\n }\n\n const proto = Object.getPrototypeOf(value);\n return proto === null || Object.getPrototypeOf(proto) === null;\n}\n\nfunction valueToNode(value) {\n if (value === undefined) {\n return (0, _generated.identifier)(\"undefined\");\n }\n\n if (value === true || value === false) {\n return (0, _generated.booleanLiteral)(value);\n }\n\n if (value === null) {\n return (0, _generated.nullLiteral)();\n }\n\n if (typeof value === \"string\") {\n return (0, _generated.stringLiteral)(value);\n }\n\n if (typeof value === \"number\") {\n let result;\n\n if (Number.isFinite(value)) {\n result = (0, _generated.numericLiteral)(Math.abs(value));\n } else {\n let numerator;\n\n if (Number.isNaN(value)) {\n numerator = (0, _generated.numericLiteral)(0);\n } else {\n numerator = (0, _generated.numericLiteral)(1);\n }\n\n result = (0, _generated.binaryExpression)(\"/\", numerator, (0,

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_generated.numericLiteral)(0));\n }\n\n if (value < 0 || Object.is(value, -0)) {\n result = (0,\n _generated.unaryExpression)(\"-\", result);\n }\n\n return result;\n }\n\n if (isRegExp(value)) {\n const pattern\n = value.source;\n const flags = value.toString().match(/\\([a-z]+\\)$/)[1];\n return (0,\n _generated.regExpLiteral)(pattern, flags);\n }\n\n if (Array.isArray(value)) {\n return (0,\n _generated.arrayExpression)(value.map(valueToNode));\n }\n\n if (isPlainObject(value)) {\n const props =\n [];\n\n for (const key of Object.keys(value)) {\n let nodeKey;\n\n if ((0, _isValidIdentifier.default)(key))\n {\n nodeKey = (0, _generated.identifier)(key);\n } else {\n nodeKey = (0,\n _generated.stringLiteral)(key);\n }\n\n props.push((0, _generated.objectProperty)(nodeKey,\n valueToNode(value[key]));\n }\n\n return (0, _generated.objectExpression)(props);\n }\n\n throw new\n Error(\"don't know how to turn this value into a node\");\n}";\n\n"use strict";\n\nObject.defineProperty(exports,\n \"__esModule\", {\n value: true\n});\n\nexports.default = appendToMemberExpression;\n\nvar _generated =\n require(\"../builders/generated\");\n\nfunction appendToMemberExpression(member, append, computed = false) {\n member.object = (0, _generated.memberExpression)(member.object, member.property, member.computed);\n member.property = append;\n member.computed = !!computed;\n return member;\n};\n\n"use\n strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = inherits;\n\nvar\n _constants = require(\"../constants\");\n\nvar\n _inheritsComments = require(\"../comments/inheritsComments\");\n\nfunction inherits(child, parent) {\n if (!child ||\n !parent) return child;\n\n for (const key of _constants.INHERIT_KEYS.optional) {\n if (child[key] == null) {\n child[key] = parent[key];\n }\n }\n\n for (const key of Object.keys(parent)) {\n if (key[0] === \"_\" && key\n !== \"__clone\") child[key] = parent[key];\n }\n\n for (const key of _constants.INHERIT_KEYS.force) {\n child[key] = parent[key];\n }\n\n (0, _inheritsComments.default)(child, parent);\n return child;\n};\n\n"use\n strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =\n prependToMemberExpression;\n\nvar _generated = require(\"../builders/generated\");\n\nfunction\n prependToMemberExpression(member, prepend) {\n member.object = (0, _generated.memberExpression)(prepend,\n member.object);\n return member;\n};\n\n"use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:\n true\n});\n\nexports.default = void 0;\n\nvar _getBindingIdentifiers = require(\"../getBindingIdentifiers\");\n\nvar\n _default = getOuterBindingIdentifiers;\n\nexports.default = _default;\n\nfunction getOuterBindingIdentifiers(node,\n duplicates) {\n return (0, _getBindingIdentifiers.default)(node, duplicates, true);\n};\n\n"use\n strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = traverse;\n\nvar\n _definitions = require(\"../definitions\");\n\nfunction traverse(node, handlers, state) {\n if (typeof handlers ===\n \"function\") {\n handlers = {\n enter: handlers\n };\n }\n\n const {\n enter,\n exit\n } = handlers;\n\n traverseSimpleImpl(node, enter, exit, state, []);\n\n function traverseSimpleImpl(node, enter, exit, state, ancestors)\n {\n const keys = _definitions.VISITOR_KEYS[node.type];\n if (!keys) return;\n if (enter) enter(node, ancestors,\n state);\n\n for (const key of keys) {\n const subNode = node[key];\n\n if (Array.isArray(subNode)) {\n for (let i = 0; i < subNode.length; i++) {\n const child = subNode[i];\n\n if (!child) continue;\n ancestors.push({\n node,\n key,\n index: i\n });\n\n traverseSimpleImpl(child, enter, exit, state, ancestors);\n ancestors.pop();\n }\n } else if (subNode) {\n ancestors.push({\n node,\n key\n });\n traverseSimpleImpl(subNode, enter, exit, state, ancestors);\n ancestors.pop();\n }\n }\n\n if (exit) exit(node, ancestors, state);\n }\n\n \"use\n strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\n exports.default = isBinding;\n\n var\n _getBindingIdentifiers = require(\"../retrievers/getBindingIdentifiers\");\n\n function isBinding(node, parent,\n grandparent) {\n if (grandparent && node.type === \"Identifier\" && parent.type === \"ObjectProperty\" &&\n grandparent.type === \"ObjectExpression\") {\n return false;\n }\n\n const keys = _getBindingIdentifiers.default.keys[parent.type];\n\n if (keys) {\n for (let i = 0; i < keys.length; i++)\n {\n const key = keys[i];\n const val = parent[key];\n\n if (Array.isArray(val)) {\n if (val.indexOf(node)\n >= 0) return true;\n } else {\n if (val === node) return true;\n }\n }\n }\n\n return false;\n }\n\n \"use\n strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\n exports.default =

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isBlockScoped;\n\nvar _generated = require(\"./generated\");\n\nvar _isLet = require(\"./isLet\");\n\nfunction
isBlockScoped(node) {\n return (0, _generated.isFunctionDeclaration)(node) || (0,
_generated.isClassDeclaration)(node) || (0, _isLet.default)(node);\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
isImmutable;\n\nvar _isType = require(\"./isType\");\n\nvar _generated = require(\"./generated\");\n\nfunction
isImmutable(node) {\n if ((0, _isType.default)(node.type,
 \"Immutable\")) return true;\n if ((0, _generated.isIdentifier)(node)) {\n if (node.name === \"undefined\") {\n
return true;\n } else {\n return false;\n }\n }\n return false;\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
isNodesEquivalent;\n\nvar _definitions = require(\"./definitions\");\n\nfunction isNodesEquivalent(a, b) {\n if
(typeof a !== \"object\" || typeof b !== \"object\" || a == null || b == null) {\n return a === b;\n }\n if (a.type !==
b.type) {\n return false;\n }\n const fields = Object.keys(_definitions.NODE_FIELDS[a.type] || a.type);\n const
visitorKeys = _definitions.VISITOR_KEYS[a.type];\n for (const field of fields) {\n if (typeof a[field] !==
typeof b[field]) {\n return false;\n }\n if (a[field] == null && b[field] == null) {\n continue;\n }
else if (a[field] == null || b[field] == null) {\n return false;\n }\n if (Array.isArray(a[field])) {\n if
(!Array.isArray(b[field])) {\n return false;\n }\n if (a[field].length !== b[field].length) {\n return
false;\n }\n for (let i = 0; i < a[field].length; i++) {\n if (!isNodesEquivalent(a[field][i], b[field][i]))
{\n return false;\n }\n }\n continue;\n }\n if (typeof a[field] === \"object\" &&
!(visitorKeys != null && visitorKeys.includes(field))) {\n for (const key of Object.keys(a[field])) {\n if
(a[field][key] !== b[field][key]) {\n return false;\n }\n }\n continue;\n }\n if
(!isNodesEquivalent(a[field], b[field])) {\n return false;\n }\n }\n return
true;\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
isReferenced;\n\nfunction isReferenced(node, parent, grandparent) {\n switch (parent.type) {\n case
\"MemberExpression\":\n case \"JSXMemberExpression\":\n case \"OptionalMemberExpression\":\n if (parent.property === node) {\n
return !parent.computed;\n }\n return parent.object === node;\n case \"VariableDeclarator\":\n return
parent.init === node;\n case \"ArrowFunctionExpression\":\n return parent.body === node;\n case
\"PrivateName\":\n return false;\n case \"ClassMethod\":\n case \"ClassPrivateMethod\":\n case
\"ObjectMethod\":\n if (parent.params.includes(node)) {\n return false;\n }\n case
\"ObjectProperty\":\n case \"ClassProperty\":\n case \"ClassPrivateProperty\":\n if (parent.key === node) {\n
return !parent.computed;\n }\n if (parent.value === node) {\n return !grandparent || grandparent.type
!== \"ObjectPattern\";\n }\n return true;\n case \"ClassDeclaration\":\n case \"ClassExpression\":\n return
parent.superClass === node;\n case \"AssignmentExpression\":\n return parent.right === node;\n case
\"AssignmentPattern\":\n return parent.right === node;\n case \"LabeledStatement\":\n return false;\n case
\"CatchClause\":\n return false;\n case \"RestElement\":\n return false;\n case \"BreakStatement\":\n case
\"ContinueStatement\":\n return false;\n case \"FunctionDeclaration\":\n case \"FunctionExpression\":\n return
false;\n case \"ExportNamespaceSpecifier\":\n case \"ExportDefaultSpecifier\":\n return false;\n case
\"ExportSpecifier\":\n if (grandparent != null && grandparent.source) {\n return false;\n }\n return
parent.local === node;\n case \"ImportDefaultSpecifier\":\n case \"ImportNamespaceSpecifier\":\n case
\"ImportSpecifier\":\n return false;\n case \"JSXAttribute\":\n return false;\n case \"ObjectPattern\":\n case
\"ArrayPattern\":\n return false;\n case \"MetaProperty\":\n return false;\n case \"ObjectTypeProperty\":\n return
parent.key !== node;\n case \"TSEnumMember\":\n return parent.id !== node;\n case \"TSPropertySignature\":\n if
(parent.key === node) {\n return !parent.computed;\n }\n return true;\n }\n }\n }, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = isScope;\n\nvar
_generated = require(\"./generated\");\n\nfunction isScope(node, parent) {\n if ((0,
_generated.isBlockStatement)(node) && ((0, _generated.isFunction)(parent) || (0,

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_generated.isCatchClause)(parent))) {\n return false;\n }\n\n if ((0, _generated.isPattern)(node) && ((0,\n_generated.isFunction)(parent)) || (0, _generated.isCatchClause)(parent))) {\n return true;\n }\n\n\n return (0,\n_generated.isScopable)(node);\n}","""use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:\ntrue\n});\nexports.default = isSpecifierDefault;\n\nvar\n\n\n_generated = require(\"./generated\");\n\nfunction isSpecifierDefault(specifier) {\n return (0,\n_generated.isImportDefaultSpecifier)(specifier) || (0, _generated.isIdentifier)(specifier.imported || specifier.exported,\n{\n name: \"default\"\n }));\n}\n","""use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:\ntrue\n});\nexports.default = isValidES3Identifier;\n\nvar _isValidIdentifier =\nrequire(\"./isValidIdentifier\");\n\nconst RESERVED_WORDS_ES3_ONLY = new Set([\"abstract\", \"boolean\", \n\"byte\", \"char\", \"double\", \"enum\", \"final\", \"float\", \"goto\", \"implements\", \"int\", \"interface\", \"long\", \n\"native\", \"package\", \"private\", \"protected\", \"public\", \"short\", \"static\", \"synchronized\", \"throws\", \n\"transient\", \"volatile\"]);\n\nfunction isValidES3Identifier(name) {\n return (0, _isValidIdentifier.default)(name)\n&& !RESERVED_WORDS_ES3_ONLY.has(name);\n}\n","""use strict";\n\nObject.defineProperty(exports, \n\"__esModule\",\n{\n value: true\n});\nexports.default = isVar;\n\nvar _generated = require(\"./generated\");\n\nvar _constants =\nrequire(\"./constants\");\n\nfunction isVar(node) {\n return (0, _generated.isVariableDeclaration)(node, {\n kind: \n\"var\"\n }) && !node[_constants.BLOCK_SCOPED_SYMBOL];\n}\n","""use strict";\n\nmodule.exports =\nrequire('./globals.json');\n}\n","""use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:\ntrue\n});\nexports.default = _default;\nexports.CodeGenerator = void 0;\n\nvar _sourceMap =\n_interopRequireDefault(require(\"./source-map\"));\n\nvar _printer =\n_interopRequireDefault(require(\"./printer\"));\n\nfunction _interopRequireDefault(obj) { return obj &&\nobj.__esModule ? obj : { default: obj }; }\n\nclass Generator extends _printer.default {\n constructor(ast, opts = {}, code) {\n const format = normalizeOptions(code, opts);\n const map = opts.sourceMaps ? new\n_sourceMap.default(opts, code) : null;\n super(format, map);\n\n this.ast = void 0;\n this.ast = ast;\n }\n\n generate() {\n return super.generate(this.ast);\n }\n\n\n\n\n\nnormalizeOptions(code, opts) {\n const format = {\n auxiliaryCommentBefore: opts.auxiliaryCommentBefore,\n auxiliaryCommentAfter: opts.auxiliaryCommentAfter,\n shouldPrintComment: opts.shouldPrintComment,\n retainLines: opts.retainLines,\n retainFunctionParens: opts.retainFunctionParens,\n comments: opts.comments\n== null || opts.comments,\n compact: opts.compact,\n minified: opts.minified,\n concise: opts.concise,\n jsonCompatibleStrings: opts.jsonCompatibleStrings,\n indent: {\n adjustMultilineComment: true,\n style: \"\n\\n\\n base: 0\n },\n decoratorsBeforeExport: !!opts.decoratorsBeforeExport,\n jscOption:\nObject.assign({\n quotes: \"double\",\n wrap: true\n }, opts.jscOption),\n recordAndTupleSyntaxType:\nopts.recordAndTupleSyntaxType\n};\n\nif (format.minified) {\n format.compact\n= true;\n\n format.shouldPrintComment = format.shouldPrintComment || (() => format.comments);\n}\nelse {\n format.shouldPrintComment = format.shouldPrintComment || (value => format.comments ||\nvalue.indexOf(\"@license\") >= 0 || value.indexOf(\"@preserve\") >= 0);\n}\n\nif (format.compact === \"auto\")\n{\n format.compact = code.length > 500000;\n\n if (format.compact) {\n console.error(\"[BABEL] Note: The\ncode generator has deoptimised the styling of \" + `${opts.filename}` as it exceeds the max of ${\"500KB\"}.`);\n }\n\n if (format.compact) {\n format.indent.adjustMultilineComment = false;\n }\n\n return\nformat;\n}\n\nclass CodeGenerator {\n constructor(ast, opts, code) {\n this._generator = new Generator(ast, opts,\ncode);\n }\n\n generate() {\n return this._generator.generate();\n }\n\n\n\n\n\nexports.CodeGenerator =\nCodeGenerator;\n\nfunction _default(ast, opts, code) {\n const gen = new Generator(ast, opts, code);\n return\ngen.generate();\n}\n","""use\nstrict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.default = void 0;\n\nvar\n_sourceMap = _interopRequireDefault(require(\"source-map\"));\n\nfunction _interopRequireDefault(obj) { return\nobj && obj.__esModule ? obj : { default: obj }; }\n\nclass SourceMap {\n constructor(opts, code) {\n\nthis._cachedMap = null;\n this._code = code;\n this._opts = opts;\n this._rawMappings = [];\n }\n\n get() {\n\nif (!this._cachedMap) {\n const map = this._cachedMap = new _sourceMap.default.SourceMapGenerator({\n
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sourceRoot: this._opts.sourceRoot\n });\n const code = this._code;\n\n if (typeof code === \"string\") {\n map.setSourceContent(this._opts.sourceFileName.replace(/\\\\\\\\g, '\\\\^'), code);\n } else if (typeof code === \"object\") {\n Object.keys(code).forEach(sourceFileName => {\n map.setSourceContent(sourceFileName.replace(/\\\\\\\\g, '\\\\^'), code[sourceFileName]);\n });\n }\n\n this._rawMappings.forEach(mapping => map.addMapping(mapping), map);\n }\n\n return this._cachedMap.toJSON();\n}\n\ngetRawMappings() {\n return this._rawMappings.slice();\n}\n\nmark(generatedLine, generatedColumn, line, column, identifierName, filename, force) {\n if (this._lastGenLine !== generatedLine && line === null) return;\n\n if (!force && this._lastGenLine === generatedLine && this._lastSourceLine === line && this._lastSourceColumn === column) {\n return;\n }\n\n this._cachedMap = null;\n this._lastGenLine = generatedLine;\n this._lastSourceLine = line;\n this._lastSourceColumn = column;\n\n this._rawMappings.push({\n name: identifierName || undefined,\n generated: {\n line: generatedLine,\n column: generatedColumn\n },\n source: line == null ? undefined : (filename || this._opts.sourceFileName).replace(/\\\\\\\\g, '\\\\^'),\n original: line == null ? undefined : {\n line: line,\n column: column\n }\n });\n}\n\n}\n\n\nexports.default = SourceMap;\n\n/*\n * Copyright 2009-2011 Mozilla Foundation and contributors\n * Licensed under the New BSD license. See LICENSE.txt or:\n * http://opensource.org/licenses/BSD-3-Clause\n */\n\nexports.SourceMapGenerator = require('./lib/source-map-generator').SourceMapGenerator;\nexports.SourceMapConsumer = require('./lib/source-map-consumer').SourceMapConsumer;\nexports.SourceNode = require('./lib/source-node').SourceNode;\n\n\"/*\n * Mode: js; js-indent-level: 2; *- */\n\n * Copyright 2011 Mozilla Foundation and contributors\n * Licensed under the New BSD license. See LICENSE or:\n * http://opensource.org/licenses/BSD-3-Clause\n */\n\nvar intToCharMap = 'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+'.split('');\n\n/*\n * Encode an integer in the range of 0 to 63 to a single base 64 digit.\n */\nexports.encode = function (number) {\n if (0 <= number && number < intToCharMap.length)\n return intToCharMap[number];\n\n throw new TypeError(\"Must be between 0 and 63: \" + number);\n};\n\n/*\n * Decode a single base 64 character code digit to an integer. Returns -1 on failure.\n */\nexports.decode = function (charCode) {\n var bigA = 65; // 'A'\n var bigZ = 90; // 'Z'\n\n var littleA = 97; // 'a'\n var littleZ = 122; // 'z'\n\n var zero = 48; // '0'\n var nine = 57; // '9'\n\n var plus = 43; // '+'\n var slash = 47; // '/'\n\n var littleOffset = 26;\n var numberOffset = 52;\n\n // 0 - 25: ABCDEFGHIJKLMNOPQRSTUVWXYZ\n if (bigA <= charCode && charCode <= bigZ) {\n return (charCode - bigA);\n }\n\n // 26 - 51: abcdefghijklmnopqrstuvwxyz\n if (littleA <= charCode && charCode <= littleZ) {\n return (charCode - littleA + littleOffset);\n }\n\n // 52 - 61: 0123456789\n if (zero <= charCode && charCode <= nine) {\n return (charCode - zero + numberOffset);\n }\n\n // 62: +\n if (charCode == plus) {\n return 62;\n }\n\n // 63: /\n if (charCode == slash) {\n return 63;\n }\n\n // Invalid base64 digit.\n return -1;\n};\n\n\"/*\n * Mode: js; js-indent-level: 2; *- */\n\n * Copyright 2014 Mozilla Foundation and contributors\n * Licensed under the New BSD license. See LICENSE or:\n * http://opensource.org/licenses/BSD-3-Clause\n */\n\nvar util = require('./util');\n\n/*\n * Determine whether mappingB is after mappingA with respect to generated\n * position.\n */\nfunction generatedPositionAfter(mappingA, mappingB) {\n // Optimized for most common case\n var lineA = mappingA.generatedLine;\n var lineB = mappingB.generatedLine;\n var columnA = mappingA.generatedColumn;\n var columnB = mappingB.generatedColumn;\n return lineB > lineA || lineB == lineA && columnB >= columnA ||\n util.compareByGeneratedPositionsInflated(mappingA, mappingB) <= 0;\n}\n\n/*\n * A data structure to provide a sorted view of accumulated mappings in a\n * performance conscious manner. It trades a negligible overhead in general\n * case for a large speedup in case of mappings being added in order.\n */\nfunction MappingList() {\n this._array = [];\n this._sorted = true;\n // Serves as infimum\n this._last = {generatedLine: -1, generatedColumn: 0};\n}\n\n/*\n * Iterate through internal items. This method takes the same arguments that\n * `Array.prototype.forEach` takes.\n */\n/*\n * NOTE: The order of the mappings is NOT guaranteed.\n */\nMappingList.prototype.unsortedForEach = function (aCallback, aThisArg) {\n this._array.forEach(aCallback, aThisArg);\n};\n\n/*\n * Add the given source mapping.\n */\n@param Object

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aMapping\n *\nMappingList.prototype.add = function MappingList_add(aMapping) {\n if
(generatedPositionAfter(this._last, aMapping)) {\n this._last = aMapping;\n this._array.push(aMapping);\n }
else {\n this._sorted = false;\n this._array.push(aMapping);\n }\n};\n\n**\n * Returns the flat, sorted array of
mappings. The mappings
are sorted by\n * generated position.\n *\n * WARNING: This method returns internal data without copying, for\n *
performance. The return value must NOT be mutated, and should be treated as\n * an immutable borrow. If you
want to take ownership, you must make your own\n * copy.\n *\nMappingList.prototype.toArray = function
MappingList_toArray() {\n if (!this._sorted) {\n this._array.sort(util.compareByGeneratedPositionsInflated);\n
this._sorted = true;\n }\n return this._array;\n};\n\nexports.MappingList = MappingList;\n";\n/* -*- Mode: js; js-
indent-level: 2; -*- */\n\n * Copyright 2011 Mozilla Foundation and contributors\n * Licensed under the New
BSD license. See LICENSE or\n * http://opensource.org/licenses/BSD-3-Clause\n *\n\nvar util =
require('./util');\nvar binarySearch = require('./binary-search');\nvar ArraySet = require('./array-set').ArraySet;\nvar
base64VLQ = require('./base64-vlq');\nvar quickSort = require('./quick-sort').quickSort;\n\nfunction
SourceMapConsumer(aSourceMap)\n\n {\n var sourceMap = aSourceMap;\n if (typeof aSourceMap === 'string') {\n sourceMap =
JSON.parse(aSourceMap.replace(/\\n\\n/g, '\\n')); }\n\n return sourceMap.sections != null\n ? new
IndexedSourceMapConsumer(sourceMap)\n : new
BasicSourceMapConsumer(sourceMap);\n}\n\nSourceMapConsumer.fromSourceMap = function(aSourceMap) {\n
return BasicSourceMapConsumer.fromSourceMap(aSourceMap);\n}\n\n**\n * The version of the source mapping
spec that we are consuming.\n *\nSourceMapConsumer.prototype._version = 3;\n\n// `__generatedMappings` and
`__originalMappings` are arrays that hold the\n// parsed mapping coordinates from the source map's "mappings"
attribute. They\n// are lazily instantiated, accessed via the `__generatedMappings` and\n// `__originalMappings` getters
respectively, and we only parse the mappings\n// and create these arrays once queried for a source location. We
jump through\n// these hoops because there can be many thousands of mappings,
and parsing\n// them is expensive, so we only want to do it if we must.\n\n// Each object in the arrays is of the
form:\n\n// { \n// generatedLine: The line number in the generated code,\n// generatedColumn: The
column number in the generated code,\n// source: The path to the original source file that generated this\n//
chunk of code,\n// originalLine: The line number in the original source that\n// corresponds to this
chunk of generated code,\n// originalColumn: The column number in the original source that\n//
corresponds to this chunk of generated code,\n// name: The name of the original symbol which generated this
chunk of\n// code.\n// }\n\n// All properties except for `generatedLine` and `generatedColumn` can be\n\n
`null`.\n\n// `__generatedMappings` is ordered by the generated positions.\n\n// `__originalMappings` is ordered by
the original positions.\n\nSourceMapConsumer.prototype.__generatedMappings
= null;\nObject.defineProperty(SourceMapConsumer.prototype, '_generatedMappings', {\n get: function () {\n if
(!this.__generatedMappings) {\n this._parseMappings(this._mappings, this.sourceRoot);\n }\n\n return
this.__generatedMappings;\n }\n});\n\nSourceMapConsumer.prototype.__originalMappings =
null;\nObject.defineProperty(SourceMapConsumer.prototype, '_originalMappings', {\n get: function () {\n if
(!this.__originalMappings) {\n this._parseMappings(this._mappings, this.sourceRoot);\n }\n\n return
this.__originalMappings;\n }\n});\n\nSourceMapConsumer.prototype._charIsMappingSeparator =\n function
SourceMapConsumer_charIsMappingSeparator(aStr, index) {\n var c = aStr.charAt(index);\n return c === '\\';\n } ||
c === '\\';\n};\n\n**\n * Parse the mappings in a string in to a data structure which we can easily\n * query (the
ordered arrays in the `this.__generatedMappings` and\n * `this.__originalMappings`
properties).\n *\nSourceMapConsumer.prototype._parseMappings =\n function
SourceMapConsumer_parseMappings(aStr, aSourceRoot) {\n throw new Error("Subclasses must implement
_parseMappings");\n};\n\nSourceMapConsumer.GENERATED_ORDER =
1;\nSourceMapConsumer.ORIGINAL_ORDER = 2;\n\nSourceMapConsumer.GREATEST_LOWER_BOUND =
1;\nSourceMapConsumer.LEAST_UPPER_BOUND = 2;\n\n**\n * Iterate over each mapping between an original
source/line/column and a\n * generated line/column in this source map.\n *\n * @param Function aCallback\n *

```

The function that is called with each mapping.  
 @param Object aContext Optional. If specified, this object will be the value of `this` every time that `aCallback` is called.  
 @param aOrder Either `SourceMapConsumer.GENERATED\_ORDER` or `SourceMapConsumer.ORIGINAL\_ORDER`. Specifies whether you want to iterate over the mappings sorted by the generated file's line/column order or the original's source/line/column order, respectively. Defaults to `SourceMapConsumer.GENERATED\_ORDER`.

```
SourceMapConsumer.prototype.eachMapping = function
SourceMapConsumer_eachMapping(aCallback, aContext, aOrder) {
 var context = aContext || null;
 var order = aOrder || SourceMapConsumer.GENERATED_ORDER;
 var mappings;
 switch (order) {
 case SourceMapConsumer.GENERATED_ORDER:
 mappings = this._generatedMappings;
 break;
 case SourceMapConsumer.ORIGINAL_ORDER:
 mappings = this._originalMappings;
 break;
 default:
 throw new Error("Unknown order of iteration.");
 }
 var sourceRoot = this.sourceRoot;
 mappings.map(function (mapping) {
 var source = mapping.source === null ? null :
 this._sources.at(mapping.source);
 if (source != null && sourceRoot != null) {
 source = util.join(sourceRoot, source);
 }
 return {
 source: source,
 generatedLine:
 mapping.generatedLine,
 generatedColumn: mapping.generatedColumn,
 originalLine: mapping.originalLine,
 originalColumn: mapping.originalColumn,
 name: mapping.name === null ? null :
 this._names.at(mapping.name)
 };
 }, this).forEach(aCallback, context);
};
```

**SourceMapConsumer.prototype.allGeneratedPositionsFor**  
 Returns all generated line and column information for the original source, line, and column provided. If no column is provided, returns all mappings corresponding to a either the line we are searching for or the next closest line that has any mappings. Otherwise, returns all mappings corresponding to the given line and either the column we are searching for or the next closest column that has any offsets.  
 The only argument is an object with the following properties:  
 - source: The filename of the original source.  
 - line: The line number in the original source.  
 - column: Optional. the column number in the original source.  
 and an array of objects is returned, each with the following properties:  
 - line: The line number in the generated source, or null.  
 - column: The column number in the generated source, or null.

```
SourceMapConsumer.prototype.allGeneratedPositionsFor = function
SourceMapConsumer_allGeneratedPositionsFor(aArgs) {
 var line = util.getArg(aArgs, 'line');
 // When there is no exact match, BasicSourceMapConsumer.prototype._findMapping
 // returns the index of the closest mapping less than the needle. By setting
 // needle.originalColumn to 0, we thus find the last mapping for the given
 // line, provided such a mapping exists.
 var needle = {
 source: util.getArg(aArgs, 'source'),
 originalLine: line,
 originalColumn: util.getArg(aArgs, 'column', 0)
 };
 if (this.sourceRoot != null) {
 needle.source = util.relative(this.sourceRoot, needle.source);
 }
 if (!this._sources.has(needle.source)) {
 return [];
 }
 needle.source = this._sources.indexOf(needle.source);
 var mappings = [];
 var index = this._findMapping(needle, this._originalMappings, 'originalLine',
 'originalColumn', util.compareByOriginalPositions,
 binarySearch.LEAST_UPPER_BOUND);
 if (index >= 0) {
 var mapping = this._originalMappings[index];
 if (aArgs.column === undefined) {
 var originalLine = mapping.originalLine;
 // Iterate until either we run out of mappings, or we run into a mapping for a
 // different line than the one we found. Since mappings are sorted, this is guaranteed to find all mappings for
 // the line we found.
 while (mapping && mapping.originalLine === originalLine) {
 mappings.push({
 line: util.getArg(mapping, 'generatedLine', null),
 column: util.getArg(mapping, 'generatedColumn', null),
 lastColumn: util.getArg(mapping, 'lastGeneratedColumn', null)
 });
 mapping = this._originalMappings[++index];
 }
 } else {
 var originalColumn = mapping.originalColumn;
 // Iterate until either we run out of mappings, or we run into a mapping for a different line than the one we
 // were searching for. Since mappings are sorted, this is guaranteed to find all mappings for the line
 }
 }
}
```

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we are searching for.\n while (mapping &&\n mapping.originalLine === line &&\nmapping.originalColumn == originalColumn) {\n mappings.push({\n line: util.getArg(mapping,\n'generatedLine', null),\n column: util.getArg(mapping, 'generatedColumn', null),\n lastColumn:\nutil.getArg(mapping, 'lastGeneratedColumn', null)\n });\n mapping\n= this._originalMappings[++index];\n }\n }\n }\n return mappings;\n};\n\nexports.SourceMapConsumer = SourceMapConsumer;\n\n/**\n * A BasicSourceMapConsumer instance\nrepresents a parsed source map which we can\n * query for information about the original file positions by giving it\na file\n * position in the generated source.\n * The only parameter is the raw source map (either as a JSON\nstring, or\n * already parsed to an object). According to the spec, source maps have the\n * following attributes:\n\n * - version: Which version of the source map spec this map is following.\n * - sources: An array of URLs to\nthe original source files.\n * - names: An array of identifiers which can be referenced by individual mappings.\n * - sourceRoot: Optional. The URL root from which all sources are relative.\n * - sourcesContent: Optional. An array\nof contents of the original source files.\n * - mappings: A string of base64 VLQs which contain the actual\nmappings.\n * - file: Optional. The generated file this source map is associated with.\n\n * Here is an example\nsource map, taken from the source map spec[0]:\n\n * {\n * version : 3,\n * file: \"out.js\",\n * sourceRoot : \"\",\n * sources: [\"foo.js\", \"bar.js\"],\n * names: [\"src\", \"maps\", \"are\", \"fun\"],\n * mappings: \"AA,AB;;ABCDE;\"\n * }\n\n * [0]:\nhttps://docs.google.com/document/d/1U1RGAehQwRypUTovF1KRLpiOFze0b-_2gc6fAH0KY0k/edit?pli=1#\n\n */\nfunction BasicSourceMapConsumer(aSourceMap) {\n var sourceMap = aSourceMap;\n if (typeof aSourceMap\n=== 'string') {\n sourceMap = JSON.parse(aSourceMap.replace(/\\n\\n/g, \"\");\n }\n\n var version =\nutil.getArg(sourceMap, 'version');\n var sources = util.getArg(sourceMap, 'sources');\n // Sass 3.3 leaves out the\n'names' array, so we deviate from the spec (which\n // requires the array) to play nice here.\n var names =\nutil.getArg(sourceMap, 'names', []);\n var sourceRoot\n= util.getArg(sourceMap, 'sourceRoot', null);\n var sourcesContent = util.getArg(sourceMap, 'sourcesContent',\nnull);\n var mappings = util.getArg(sourceMap, 'mappings');\n var file = util.getArg(sourceMap, 'file', null);\n\n //\nOnce again, Sass deviates from the spec and supplies the version as a\n // string rather than a number, so we use\nloose equality checking here.\n if (version !== this._version) {\n throw new Error('Unsupported version: ' +\nversion);\n }\n\n sources = sources\n .map(String)\n // Some source maps produce relative source paths like\n\"./foo.js\"\n // instead of\n // \"foo.js\". Normalize these first so that future comparisons will succeed.\n // See\nbugzil.la/1090768.\n .map(util.normalize)\n // Always ensure that absolute sources are internally stored relative\n // to\n // the source root, if the source root is absolute. Not doing this would\n // be particularly problematic when\nthe source root is a prefix of the\n // source (valid,\nbut why??). See github issue #199 and bugzil.la/1188982.\n .map(function (source) {\n return sourceRoot &&\nutil.isAbsolute(sourceRoot) && util.isAbsolute(source)\n ? util.relative(sourceRoot, source)\n : source;\n });\n\n // Pass `true` below to allow duplicate names and sources. While source maps\n // are intended to be\ncompressed and deduplicated, the TypeScript compiler\n // sometimes generates source maps with duplicates in\nthem. See Github issue\n // #72 and bugzil.la/889492.\n this._names = ArraySet.fromArray(names.map(String),\ntrue);\n this._sources = ArraySet.fromArray(sources, true);\n this.sourceRoot = sourceRoot;\n this.sourcesContent = sourcesContent;\n this._mappings = mappings;\n this.file =\nfile;\n}\n\nBasicSourceMapConsumer.prototype =\nObject.create(SourceMapConsumer.prototype);\nBasicSourceMapConsumer.prototype.consumer =\nSourceMapConsumer;\n\n/**\n * Create a BasicSourceMapConsumer from a SourceMapGenerator.\n\n * @param SourceMapGenerator\naSourceMap\n * The source map that will be consumed.\n * @returns BasicSourceMapConsumer\n\n */\nBasicSourceMapConsumer.fromSourceMap =\nfunction SourceMapConsumer_fromSourceMap(aSourceMap)\n{\n var smc = Object.create(BasicSourceMapConsumer.prototype);\n var names = smc._names =\nArraySet.fromArray(aSourceMap._names.toArray(), true);\n var sources = smc._sources =\nArraySet.fromArray(aSourceMap._sources.toArray(), true);\n smc.sourceRoot = aSourceMap._sourceRoot;\n}

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smc.sourcesContent = aSourceMap._generateSourcesContent(smc._sources.toArray(),\n smc.sourceRoot);\n smc.file = aSourceMap._file;\n\n // Because we are modifying the entries (by\n converting string sources and\n // names to indices into the sources and names ArraySets), we have to make\n // a copy of the entry or else bad things happen. Shared mutable state\n // strikes again! See github issue #191.\n\n var generatedMappings\n = aSourceMap._mappings.toArray().slice();\n var destGeneratedMappings = smc.__generatedMappings = [];\n var destOriginalMappings = smc.__originalMappings = [];\n\n for (var i = 0, length = generatedMappings.length; i\n < length; i++) {\n var srcMapping = generatedMappings[i];\n var destMapping = new Mapping;\n destMapping.generatedLine = srcMapping.generatedLine;\n destMapping.generatedColumn =\n srcMapping.generatedColumn;\n\n if (srcMapping.source) {\n destMapping.source =\n sources.indexOf(srcMapping.source);\n destMapping.originalLine = srcMapping.originalLine;\n destMapping.originalColumn = srcMapping.originalColumn;\n\n if (srcMapping.name) {\n destMapping.name = names.indexOf(srcMapping.name);\n }\n\n destOriginalMappings.push(destMapping);\n }\n\n destGeneratedMappings.push(destMapping);\n }\n\n quickSort(smc.__originalMappings, util.compareByOriginalPositions);\n\n return\n smc;\n};\n\n/**\n * The version of the source mapping spec that we are consuming.\n *\n */\nBasicSourceMapConsumer.prototype._version = 3;\n\n/**\n * The list of original sources.\n *\n */\nObject.defineProperty(BasicSourceMapConsumer.prototype, 'sources', {\n get: function () {\n return\n this._sources.toArray().map(function (s) {\n return this.sourceRoot != null ? util.join(this.sourceRoot, s) : s;\n }, this);\n }\n});\n\n/**\n * Provide the JIT with a nice shape / hidden class.\n */\nfunction Mapping() {\n this.generatedLine = 0;\n this.generatedColumn = 0;\n this.source = null;\n this.originalLine = null;\n this.originalColumn = null;\n this.name = null;\n}\n\n/**\n * Parse the mappings in a string in to a data structure\n which we can easily query (the ordered arrays in the `this.__generatedMappings` and\n * `this.__originalMappings` properties).\n */\nBasicSourceMapConsumer.prototype.parseMappings =\nfunction SourceMapConsumer_parseMappings(aStr, aSourceRoot)\n{\n var generatedLine = 1;\n var previousGeneratedColumn = 0;\n var previousOriginalLine = 0;\n var previousOriginalColumn = 0;\n var previousSource = 0;\n var previousName = 0;\n var length = aStr.length;\n\n var index = 0;\n var cachedSegments = {};\n var temp = {};\n var originalMappings = [];\n var\n generatedMappings = [];\n\n while (index < length) {\n var mapping, str, segment, end, value;\n\n if (aStr.charAt(index) === ';') {\n generatedLine++;\n index++;;\n previousGeneratedColumn = 0;\n }\n else if (aStr.charAt(index) === ',') {\n index++;;\n }\n else {\n mapping = new Mapping();\n mapping.generatedLine = generatedLine;\n\n // Because each offset is encoded relative to the previous one,\n // many segments often have the same encoding. We can exploit this\n // fact by caching the parsed variable\n length fields of each segment,\n // allowing us to avoid\n a second parse if we encounter the same\n // segment again.\n\n for (end = index; end < length; end++) {\n if (this._charIsMappingSeparator(aStr, end)) {\n break;\n }\n }\n str = aStr.slice(index,\n end);\n segment = cachedSegments[str];\n if (segment) {\n index += str.length;\n } else {\n segment = [];\n while (index < end) {\n base64VLQ.decode(aStr, index, temp);\n value =\n temp.value;\n index = temp.rest;\n segment.push(value);\n }\n if (segment.length === 2)\n {\n throw new Error('Found a source, but no line and column');\n }\n if (segment.length === 3)\n {\n throw new Error('Found a source and line, but no column');\n }\n cachedSegments[str] =\n segment;\n }\n\n // Generated column.\n mapping.generatedColumn = previousGeneratedColumn +\n segment[0];\n\n previousGeneratedColumn = mapping.generatedColumn;\n\n if (segment.length > 1) {\n // Original\n source.\n mapping.source = previousSource + segment[1];\n previousSource += segment[1];\n\n //\n Original line.\n mapping.originalLine = previousOriginalLine + segment[2];\n previousOriginalLine =\n mapping.originalLine;\n\n // Lines are stored 0-based\n mapping.originalLine += 1;\n\n // Original\n column.\n mapping.originalColumn = previousOriginalColumn + segment[3];\n previousOriginalColumn
```





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}\n }\n\n return {\n source: null,\n line: null,\n column: null,\n name: null\n };}\n\n/**\n *
Return true if we have the source content for every source in the source\n * map, false otherwise.\n
*/\n\nBasicSourceMapConsumer.prototype.hasContentsOfAllSources =\n function\n\nBasicSourceMapConsumer_hasContentsOfAllSources() {\n if (!this.sourcesContent) {\n return\n false;\n }\n return this.sourcesContent.length >= this._sources.size() &&\n !this.sourcesContent.some(function (sc) { return sc == null; });}\n\n};\n\n/**\n * Returns the original source content.
The only argument is the url of the\n * original source file. Returns null if no original source content is\n *
available.\n
*/\n\nBasicSourceMapConsumer.prototype.sourceContentFor =\n function\n\nSourceMapConsumer_sourceContentFor(aSource, nullOnMissing) {\n if (!this.sourcesContent) {\n return\n null;\n }\n if (this.sourceRoot != null) {\n aSource = util.relative(this.sourceRoot, aSource);\n }\n if\n (this._sources.has(aSource)) {\n return this.sourcesContent[this._sources.indexOf(aSource)];\n }\n var\n url;\n if (this.sourceRoot != null\n && (url = util.urlParse(this.sourceRoot))) {\n // XXX: file:// URIs and\n absolute paths lead to unexpected behavior for\n // many users. We can help them out when they expect file://\n URIs to\n\n // behave like it would if they were running a local HTTP server. See\n //\n https://bugzilla.mozilla.org/show_bug.cgi?id=885597.\n var fileUriAbsPath = aSource.replace(/^file:\\\\/,\\n\n '\\\\');\n if (url.scheme == 'file'\n && this._sources.has(fileUriAbsPath)) {\n return\n this.sourcesContent[this._sources.indexOf(fileUriAbsPath)]\n }\n if ((!url.path || url.path == '/')\n && this._sources.has('\\/^' + aSource)) {\n return this.sourcesContent[this._sources.indexOf('\\/^' + aSource)];\n }\n }\n // This function is used recursively from\n //\n\nIndexedSourceMapConsumer.prototype.sourceContentFor. In that case, we\n // don't want to throw if we can't find\n the source - we just want to\n // return null, so we provide a flag to exit gracefully.\n if (nullOnMissing) {\n return null;\n }\n else {\n throw new Error("'" + aSource + "' is not in the SourceMap.");\n }\n }\n\n};\n\n/**\n *
Returns\n the generated line and column information for the original source,\n * line, and column positions provided. The\n only argument is an object with\n * the following properties:\n * line - source: The filename of the original\n * line: The line number in the original source.\n * column: The column number in the original\n * source.\n * bias: Either 'SourceMapConsumer.GREATEST_LOWER_BOUND' or\n * 'SourceMapConsumer.LEAST_UPPER_BOUND'. Specifies whether to return the\n * closest element that is\n * smaller than or greater than the one we are\n * searching for, respectively, if the exact element cannot be found.\n * Defaults to 'SourceMapConsumer.GREATEST_LOWER_BOUND'.
*/\n\n * and an object is returned with the\n following properties:\n * line: The line number in the generated source, or null.\n * column: The column\n number in the generated source, or null.\n
*/\n\nBasicSourceMapConsumer.prototype.generatedPositionFor =\n function\n\nSourceMapConsumer_generatedPositionFor(aArgs)\n {\n var source = util.getArg(aArgs, 'source');\n if (this.sourceRoot != null) {\n source =\n util.relative(this.sourceRoot, source);\n }\n if (!this._sources.has(source)) {\n return {\n line: null,\n column: null,\n lastColumn: null\n };\n }\n source = this._sources.indexOf(source);\n var needle =\n {\n source: source,\n originalLine: util.getArg(aArgs, 'line'),\n originalColumn: util.getArg(aArgs,\n 'column')\n };\n var index = this._findMapping(\n needle,\n this._originalMappings,\n '\\^originalLine',\n '\\^originalColumn',\n util.compareByOriginalPositions,\n util.getArg(aArgs, 'bias',\n SourceMapConsumer.GREATEST_LOWER_BOUND)\n);\n if (index >= 0) {\n var mapping =\n this._originalMappings[index];\n if (mapping.source === needle.source) {\n return {\n line:\n util.getArg(mapping, 'generatedLine', null),\n column: util.getArg(mapping,\n 'generatedColumn', null),\n lastColumn: util.getArg(mapping, 'lastGeneratedColumn', null)\n };\n }\n }\n return {\n line: null,\n column: null,\n lastColumn: null\n };\n }\n\n};\n\nexports.BasicSourceMapConsumer = BasicSourceMapConsumer;\n\n/**\n * An IndexedSourceMapConsumer\n instance represents a parsed source map which\n * we can query for information. It differs from\n BasicSourceMapConsumer in\n * that it takes 'indexed' source maps (i.e. ones with a 'sections' field) as\n *

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input.\n * \n * The only parameter is a raw source map (either as a JSON string, or already\n * parsed to an object).
According to the spec for indexed source maps, they\n * have the following attributes:\n * \n * - version: Which
version of the source map spec this map is following.\n * - file: Optional. The generated file this source map is
associated with.\n * - sections: A list of section definitions.\n * \n * Each value under the \"sections\"
field has two fields:\n * - offset: The offset into the original specified at which this section\n * begins to apply,
defined as an object with a \"line\" and \"column\" field.\n * - map: A source map definition. This source
map could also be indexed,\n * but doesn't have to be.\n * \n * Instead of the \"map\" field, it's also possible to
have a \"url\" field\n * specifying a URL to retrieve a source map from, but that's currently\n * unsupported.\n * \n *
Here's an example source map, taken from the source map spec[0], but\n * modified to omit a section which uses the
\"url\" field.\n * \n * {\n * version : 3,\n * file: \"app.js\", \n * sections: [{\n * offset: {line:100,
column:10},\n * map: {\n * version : 3,\n * file: \"section.js\", \n * sources: [\"foo.js\", \"bar.js\"],\n *
names: [\"src\", \"maps\", \"are\", \"fun\"],\n * mappings: \"AAAA,E;;ABCDE;\"\n * },\n * }\n * }]\n * }
\n * [0]: https://docs.google.com/document/d/1U1RGAehQwRypUTovF1KRIpiOFze0b-
_2gc6fAH0KY0k/edit#heading=h.535es3xeprgt\n
\n * \nfunction IndexedSourceMapConsumer(aSourceMap) {\n var sourceMap = aSourceMap;\n if (typeof
aSourceMap === 'string') {\n sourceMap = JSON.parse(aSourceMap.replace(/\\n\\/\\n/g, ''));\n }\n\n var version =
util.getArg(sourceMap, 'version');\n var sections = util.getArg(sourceMap, 'sections');\n\n if (version !==
this._version) {\n throw new Error('Unsupported version: ' + version);\n }\n\n this._sources = new
ArraySet();\n this._names = new ArraySet();\n\n var lastOffset = {\n line: -1,\n column: 0\n }; \n this._sections =
sections.map(function (s) {\n if (s.url) {\n // The url field will require support for asynchronicity.\n // See
https://github.com/mozilla/source-map/issues/16\n throw new Error('Support for url field in sections not
implemented.');\n }\n var offset = util.getArg(s, 'offset');\n var offsetLine = util.getArg(offset, 'line');\n
var offsetColumn = util.getArg(offset, 'column');\n\n if (offsetLine < lastOffset.line ||\n (offsetLine ===
lastOffset.line && offsetColumn < lastOffset.column)) {\n throw new Error('Section offsets must be ordered and
non-overlapping.');
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null,\n name: null\n };\n }\n\n return section.consumer.originalPositionFor({\n line:
needle.generatedLine -\n (section.generatedOffset.generatedLine - 1),\n column:
needle.generatedColumn -\n (section.generatedOffset.generatedLine === needle.generatedLine\n ?
section.generatedOffset.generatedColumn - 1\n : 0),\n bias: aArgs.bias\n });\n };\n\n /**\n * Return true if
we have the source content for every source in the source\n * map, false otherwise.\n
*/\n IndexedSourceMapConsumer.prototype.hasContentsOfAllSources =\n function
IndexedSourceMapConsumer_hasContentsOfAllSources() {\n return this._sections.every(function (s) {\n
return s.consumer.hasContentsOfAllSources();\n });\n };\n\n /**\n * Returns the original source content. The only
argument is the url of the\n * original source file. Returns null if no original source content is\n * available.\n
*/\n IndexedSourceMapConsumer.prototype.sourceContentFor =\n function
IndexedSourceMapConsumer_sourceContentFor(aSource, nullOnMissing) {\n for (var i = 0; i <
this._sections.length; i++) {\n var section = this._sections[i];\n\n var content =
section.consumer.sourceContentFor(aSource, true);\n if (content) {\n return content;\n }\n }\n if
(nullOnMissing) {\n return null;\n }\n else {\n throw new Error("'" + aSource + "' is not in the
SourceMap.");\n }\n };\n\n /**\n * Returns the generated line and column information for the original source,\n * line, and column positions provided. The only argument is an object with\n * the following properties:\n * -
source: The filename of the original source.\n * - line: The line number in the original source.\n * - column: The
column number in the original source.\n * and an object is returned with the following properties:\n * - line:
The line number in the generated source, or null.\n * - column: The column number in the generated source, or
null.\n
*/\n IndexedSourceMapConsumer.prototype.generatedPositionFor =\n function
IndexedSourceMapConsumer_generatedPositionFor(aArgs) {\n for (var i = 0; i < this._sections.length;
i++) {\n var section = this._sections[i];\n\n // Only consider this section if the requested source is in the list
of\n // sources of the consumer.\n if (section.consumer.sources.indexOf(util.getArg(aArgs, 'source')) === -1)
{\n continue;\n }\n var generatedPosition = section.consumer.generatedPositionFor(aArgs);\n if
(generatedPosition) {\n var ret = {\n line: generatedPosition.line +\n
(section.generatedOffset.generatedLine - 1),\n column: generatedPosition.column +\n
(section.generatedOffset.generatedLine === generatedPosition.line\n ?
section.generatedOffset.generatedColumn - 1\n : 0)\n };\n return ret;\n }\n }\n\n return {\n
line: null,\n column: null\n };\n };\n\n /**\n * Parse the mappings in a string in to a data structure which we can
easily\n * query (the ordered arrays in the `this.__generatedMappings` and\n * `this.__originalMappings`
properties).\n
*/\n IndexedSourceMapConsumer.prototype._parseMappings =\n function
IndexedSourceMapConsumer_parseMappings(aStr, aSourceRoot) {\n this.__generatedMappings = [];\n
this.__originalMappings = [];\n for (var i = 0; i < this._sections.length; i++) {\n var section =
this._sections[i];\n var sectionMappings = section.consumer._generatedMappings;\n for (var j = 0; j <
sectionMappings.length; j++) {\n var mapping = sectionMappings[j];\n\n var source =
section.consumer._sources.at(mapping.source);\n if (section.consumer.sourceRoot !== null) {\n source =
util.join(section.consumer.sourceRoot, source);\n }\n this._sources.add(source);\n source =
this._sources.indexOf(source);\n\n var name = section.consumer._names.at(mapping.name);\n
this._names.add(name);\n name = this._names.indexOf(name);\n\n // The mappings coming from the
consumer for the section have\n
 // generated positions relative to the start of the section, so we\n // need to offset them to be relative to the start
of the concatenated\n // generated file.\n var adjustedMapping = {\n source: source,\n
generatedLine: mapping.generatedLine +\n (section.generatedOffset.generatedLine - 1),\n
generatedColumn: mapping.generatedColumn +\n (section.generatedOffset.generatedLine ===
mapping.generatedLine\n ? section.generatedOffset.generatedColumn - 1\n : 0),\n originalLine:
mapping.originalLine,\n originalColumn: mapping.originalColumn,\n name: name\n };\n\n
this.__generatedMappings.push(adjustedMapping);\n if (typeof adjustedMapping.originalLine === 'number')
{\n this.__originalMappings.push(adjustedMapping);\n }\n }\n }\n }\n

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quickSort(this.__generatedMappings, util.compareByGeneratedPositionsDeflated);\n
quickSort(this.__originalMappings,\n
 util.compareByOriginalPositions);\n };\n\nexports.IndexedSourceMapConsumer =\nIndexedSourceMapConsumer;\n", "/* -*- Mode: js; js-indent-level: 2; -*- */\n\n * Copyright 2011 Mozilla\nFoundation and contributors\n * Licensed under the New BSD license. See LICENSE or:\n *
http://opensource.org/licenses/BSD-3-Clause\n */\n\nexports.GREATEST_LOWER_BOUND =\n1;\nexports.LEAST_UPPER_BOUND = 2;\n\n/**\n * Recursive implementation of binary search.\n *\n * @param aLow Indices here and lower do not contain the needle.\n * @param aHigh Indices here and higher do not contain\nthe needle.\n * @param aNeedle The element being searched for.\n * @param aHaystack The non-empty array\nbeing searched.\n * @param aCompare Function which takes two elements and returns -1, 0, or 1.\n * @param aBias Either 'binarySearch.GREATEST_LOWER_BOUND' or\n * 'binarySearch.LEAST_UPPER_BOUND'. Specifies whether to return the\n * closest element that is smaller than or greater than the one we are\n * searching for, respectively, if the exact element cannot be found.\n */\n\nfunction recursiveSearch(aLow, aHigh, aNeedle, aHaystack, aCompare, aBias) {\n // This function terminates when one of the following is true:\n //\n // 1. We find the exact element we are looking for.\n //\n // 2. We did not find the exact element, but we can return\nthe index of\n // the next-closest element.\n //\n // 3. We did not find the exact element, and there is no next-\nclosest\n // element than the one we are searching for, so we return -1.\n var mid = Math.floor((aHigh - aLow) /\n2) + aLow;\n var cmp = aCompare(aNeedle, aHaystack[mid], true);\n if (cmp === 0) {\n // Found the element we\nare looking for.\n return mid;\n }\n else if (cmp > 0) {\n // Our needle is greater than aHaystack[mid].\n if\n(aHigh - mid > 1) {\n // The element is in the upper half.\n return recursiveSearch(mid, aHigh, aNeedle,\naHaystack, aCompare, aBias);\n }\n // The\nexact needle element was not found in this haystack. Determine if\n // we are in termination case (3) or (2) and\nreturn the appropriate thing.\n if (aBias === exports.LEAST_UPPER_BOUND) {\n return aHigh <\naHaystack.length ? aHigh : -1;\n } else {\n return mid;\n }\n }\n else {\n // Our needle is less than\naHaystack[mid].\n if (mid - aLow > 1) {\n // The element is in the lower half.\n return\nrecursiveSearch(aLow, mid, aNeedle, aHaystack, aCompare, aBias);\n }\n // we are in termination case (3) or\n(2) and return the appropriate thing.\n if (aBias === exports.LEAST_UPPER_BOUND) {\n return mid;\n }\n else {\n return aLow < 0 ? -1 : aLow;\n }\n }\n}\n\n/**\n * This is an implementation of binary search which\nwill always try and return\n * the index of the closest element if there is no exact hit. This is because\n * mappings\nbetween original and generated line/col pairs are single points,\n * and there is an implicit region\nbetween each of them, so a miss just means\n * that you aren't on the very start of a region.\n *\n * @param\naNeedle The element you are looking for.\n * @param aHaystack The array that is being searched.\n * @param aCompare A function which takes the needle and an element in the\n * array and returns -1, 0, or 1 depending on\nwhether the needle is less\n * than, equal to, or greater than the element, respectively.\n * @param aBias Either\n'binarySearch.GREATEST_LOWER_BOUND' or\n * 'binarySearch.LEAST_UPPER_BOUND'. Specifies\nwhether to return the\n * closest element that is smaller than or greater than the one we are\n * searching for,\nrespectively, if the exact element cannot be found.\n * Defaults to\n'binarySearch.GREATEST_LOWER_BOUND'.\n */\n\nexports.search = function search(aNeedle, aHaystack,\naCompare, aBias) {\n if (aHaystack.length === 0) {\n return -1;\n }\n var index = recursiveSearch(-1,\naHaystack.length, aNeedle, aHaystack,\n\n aCompare, aBias || exports.GREATEST_LOWER_BOUND);\n if (index < 0) {\n return -1;\n }\n // We\nhave found either the exact element, or the next-closest element than\n // the one we are searching for. However,\nthere may be more than one such\n // element. Make sure we always return the smallest of these.\n while (index - 1\n>= 0) {\n if (aCompare(aHaystack[index], aHaystack[index - 1], true) !== 0) {\n break;\n }\n --index;\n }\n return index;\n};\n", "/* -*- Mode: js; js-indent-level: 2; -*- */\n\n * Copyright 2011 Mozilla Foundation and\ncontributors\n * Licensed under the New BSD license. See LICENSE or:\n * http://opensource.org/licenses/BSD-3-\nClause\n */\n\n// It turns out that some (most?) JavaScript engines don't self-host\n// `Array.prototype.sort`. This\nmakes sense because C++ will likely remain\n// faster than JS when doing raw CPU-intensive sorting. However,
```

when using a custom comparator function, calling back and forth between the VM's

```
C++ and JIT'd JS is rather slow *and* loses JIT type information, resulting in worse generated code for the
comparator function than would be optimal. In fact, when sorting with a comparator, these costs outweigh the
benefits of sorting in C++. By using our own JS-implemented Quick Sort (below), we get a ~3500ms mean
speed-up in `bench/bench.html`.

/**
 * Swap the elements indexed by `x` and `y` in the array `ary`.
 * @param {Array} ary The array.
 * @param {Number} x The index of the first item.
 * @param {Number} y The index of the second item.
 */
function swap(ary, x, y) {
 var temp = ary[x];
 ary[x] = ary[y];
 ary[y] = temp;
}

/**
 * Returns a random integer within the range `low .. high` inclusive.
 * @param {Number} low The lower bound on the range.
 * @param {Number} high The upper bound on the range.
 */
function randomIntInRange(low, high) {
 return Math.round(low +
 (Math.random() * (high - low)));
}

/**
 * The Quick Sort algorithm.
 * @param {Array} ary An array to sort.
 * @param {function} comparator Function to use to compare two items.
 * @param {Number} p Start index of the array.
 * @param {Number} r End index of the array.
 */
function doQuickSort(ary, comparator, p, r) {
 // If our lower bound is less than our upper bound, we (1) partition the
 // array into two pieces and (2) recurse on each half. If it is not, this is
 // the empty array and our base case.
 if (p < r) {
 // (1) Partitioning.
 // The partitioning chooses a pivot between `p` and `r` and moves all
 // elements that are less than or equal to the pivot to the before it, and
 // all the elements that are greater than it after it. The effect is that
 // once partition is done, the pivot is in the exact place it will be when
 // the array is put in sorted order, and it will not need
 // to be moved again. This runs in O(n) time.
 // Always choose a random pivot so that an input array which
 // is reverse sorted does not cause O(n^2) running time.
 var pivotIndex = randomIntInRange(p, r);
 var i = p - 1;
 swap(ary, pivotIndex, r);
 var pivot = ary[r];
 // Immediately after `j` is incremented in this loop,
 // the following hold:
 // true:
 // * Every element in `ary[p .. i]` is less than or equal to the pivot.
 // * Every element in `ary[i+1 .. j-1]` is greater than the pivot.
 for (var j = p; j < r; j++) {
 if (comparator(ary[j], pivot) <= 0) {
 i += 1;
 swap(ary, i, j);
 }
 }
 swap(ary, i + 1, j);
 var q = i + 1;
 // (2) Recurse on each half.
 doQuickSort(ary, comparator, p, q - 1);
 doQuickSort(ary, comparator, q + 1, r);
 }
}

/**
 * Sort the given array in-place with the given comparator function.
 * @param {Array} ary
 *
 * An array to sort.
 * @param {function} comparator Function to use to compare two items.
 */
exports.quickSort = function (ary, comparator) {
 doQuickSort(ary, comparator, 0, ary.length - 1);
};

/*
 * Mode: js; js-indent-level: 2;
 */
/*
 * Copyright 2011 Mozilla Foundation and contributors
 * Licensed under the New BSD license. See LICENSE or:
 * http://opensource.org/licenses/BSD-3-Clause
 */
var SourceMapGenerator = require('source-map-generator').SourceMapGenerator;
var util = require('util');

Matches a Windows-style '\r\n' newline or a '\n' newline used by all other
operating systems these days (capturing the result).
var REGEX_NEWLINE = /(\r?\n)/;
var NEWLINE_CODE = 10;
var PrivateSymbol = Symbol;
var PrivateSymbolFor = Symbol.for;

PrivateSymbolFor('SourceNode') when multiple
versions of the source-map library are loaded. This MUST NOT CHANGE across
versions!
var isSourceNode = function (obj) {
 return obj instanceof PrivateSymbolFor('SourceNode');
};

SourceNodes provide a way to abstract over interpolating/concatenating
snippets of generated JavaScript source code while maintaining the line and
column information associated with the original source code.

@param aLine The original line number.
@param aColumn The original column number.
@param aSource The original source's filename.
@param aChunks Optional. An array of strings which are snippets of
generated JS, or other SourceNodes.
@param aName The original identifier.

function SourceNode(aLine, aColumn, aSource, aChunks, aName) {
 this.children = [];
 this.sourceContents = {};
 this.line = aLine == null ? null : aLine;
 this.column = aColumn == null ? null : aColumn;
 this.source = aSource == null ? null : aSource;
 this.name = aName == null ? null : aName;
 this.isSourceNode = true;
 if (aChunks != null) this.add(aChunks);
}

Creates a SourceNode from generated code and a SourceMapConsumer.
```

```

* \n * @param aGeneratedCode The generated code \n * @param aSourceMapConsumer The SourceMap for the
generated code \n * @param aRelativePath Optional. The path that relative sources in the \n *
SourceMapConsumer should be relative to. \n * \n SourceNode.fromStringWithSourceMap = \n function
SourceNode_fromStringWithSourceMap(aGeneratedCode, aSourceMapConsumer, aRelativePath) { \n // The
SourceNode we want to fill with the generated code \n // and the SourceMap \n var node = new
SourceNode(); \n \n // All even indices of this array are one line of the generated code, \n // while all odd indices
are the newlines between two adjacent lines \n // (since `REGEX_NEWLINE` captures its match). \n // Processed
fragments are accessed by calling `shiftNextLine`. \n var remainingLines =
aGeneratedCode.split(REGEX_NEWLINE); \n var remainingLinesIndex = 0; \n var shiftNextLine = function()
{ \n var lineContents = getNextLine(); \n // The last line of a file might
not have a newline. \n var newLine = getNextLine() || "\n"; \n return lineContents + newLine; \n \n function
getNextLine() { \n return remainingLinesIndex < remainingLines.length ? \n
remainingLines[remainingLinesIndex++] : undefined; \n } \n }; \n \n // We need to remember the position of
`remainingLines` \n var lastGeneratedLine = 1, lastGeneratedColumn = 0; \n \n // The generate SourceNodes we
need a code range. \n // To extract it current and last mapping is used. \n // Here we store the last mapping. \n var
lastMapping = null; \n \n aSourceMapConsumer.eachMapping(function (mapping) { \n if (lastMapping !== null)
{ \n // We add the code from `lastMapping` to `mapping`. \n // First check if there is a new line in
between. \n if (lastGeneratedLine < mapping.generatedLine) { \n // Associate first line with
`lastMapping` \n addMappingWithCode(lastMapping, shiftNextLine()); \n lastGeneratedLine++; \n
lastGeneratedColumn = 0; \n // The remaining code is added without mapping \n } else { \n //
There is no new line in between. \n // Associate the code between `lastGeneratedColumn` and \n //
`mapping.generatedColumn` with `lastMapping` \n var nextLine =
remainingLines[remainingLinesIndex]; \n var code = nextLine.substr(0, mapping.generatedColumn - \n
lastGeneratedColumn); \n remainingLines[remainingLinesIndex] =
nextLine.substr(mapping.generatedColumn - \n
lastGeneratedColumn); \n lastGeneratedColumn = mapping.generatedColumn; \n addMappingWithCode(lastMapping, code); \n //
No more remaining code, continue \n lastMapping = mapping; \n return; \n } \n } \n // We add the
generated code until the first mapping \n // to the SourceNode without any mapping. \n //
Each line is added as separate string. \n while (lastGeneratedLine < mapping.generatedLine) { \n
node.add(shiftNextLine()); \n lastGeneratedLine++; \n } \n if (lastGeneratedColumn <
mapping.generatedColumn) { \n var nextLine = remainingLines[remainingLinesIndex]; \n
node.add(nextLine.substr(0, mapping.generatedColumn)); \n remainingLines[remainingLinesIndex] =
nextLine.substr(mapping.generatedColumn); \n lastGeneratedColumn = mapping.generatedColumn; \n } \n
lastMapping = mapping; \n }, this); \n // We have processed all mappings. \n if (remainingLinesIndex <
remainingLines.length) { \n if (lastMapping) { \n // Associate the remaining code in the current line with
`lastMapping` \n addMappingWithCode(lastMapping, shiftNextLine()); \n } \n // and add the remaining
lines without any mapping \n node.add(remainingLines.splice(remainingLinesIndex).join("\n")); \n } \n \n //
Copy sourcesContent into
SourceNode \n aSourceMapConsumer.sources.forEach(function (sourceFile) { \n var content =
aSourceMapConsumer.sourceContentFor(sourceFile); \n if (content !== null) { \n if (aRelativePath !== null) { \n
sourceFile = util.join(aRelativePath, sourceFile); \n } \n node.setSourceContent(sourceFile, content); \n
} \n }); \n \n return node; \n \n function addMappingWithCode(mapping, code) { \n if (mapping === null ||
mapping.source === undefined) { \n node.add(code); \n } else { \n var source = aRelativePath ?
util.join(aRelativePath, mapping.source) \n : mapping.source; \n node.add(new
SourceNode(mapping.originalLine, \n
mapping.originalColumn, \n
source, \n
code, \n
mapping.name)); \n } \n } \n }; \n \n /** \n * Add a chunk of generated
JS to this source node. \n * \n * @param aChunk A

```

```

string snippet of generated JS code, another instance of\n * SourceNode, or an array where each member is one
of those things.\n */\nSourceNode.prototype.add = function SourceNode_add(aChunk) {\n if
(Array.isArray(aChunk)) {\n aChunk.forEach(function (chunk) {\n this.add(chunk);\n }, this);\n }\n else if
(aChunk[isSourceNode] || typeof aChunk === \"string\") {\n if (aChunk) {\n this.children.push(aChunk);\n }\n }\n else {\n throw new TypeError(\n \"Expected a SourceNode, string, or an array of SourceNodes and
strings. Got '\" + aChunk\n);\n }\n return this;\n};\n\n/**\n * Add a chunk of generated JS to the beginning of this
source node.\n *\n * @param aChunk A string snippet of generated JS code, another instance of\n *
SourceNode, or an array where each member is one of those things.\n */\nSourceNode.prototype.prepend = function
SourceNode_prepend(aChunk) {\n if (Array.isArray(aChunk)) {\n for (var i = aChunk.length-1; i >= 0;
i--) {\n this.prepend(aChunk[i]);\n }\n }\n else if (aChunk[isSourceNode] || typeof aChunk === \"string\") {\n this.children.unshift(aChunk);\n }\n else {\n throw new TypeError(\n \"Expected a SourceNode, string, or an
array of SourceNodes and strings. Got '\" + aChunk\n);\n }\n return this;\n};\n\n/**\n * Walk over the tree of JS
snippets in this node and its children. The\n * walking function is called once for each snippet of JS and is passed
that\n * snippet and the its original associated source's line/column location.\n *\n * @param aFn The traversal
function.\n */\nSourceNode.prototype.walk = function SourceNode_walk(aFn) {\n var chunk;\n for (var i = 0, len =
this.children.length; i < len; i++) {\n chunk = this.children[i];\n if (chunk[isSourceNode]) {\n chunk.walk(aFn);\n }\n else {\n if (chunk !== \"\") {\n aFn(chunk, { source: this.source,\n\n line:
this.line,\n\n column: this.column,\n\n name: this.name });\n }\n }\n }\n};\n\n/**\n * Like `String.prototype.join` except for
SourceNodes. Inserts `aStr` between\n * each of `this.children`.\n *\n * @param aSep The separator.\n */\nSourceNode.prototype.join = function SourceNode_join(aSep) {\n var newChildren;\n var i;\n var len =
this.children.length;\n if (len > 0) {\n newChildren = [];\n for (i = 0; i < len-1; i++) {\n newChildren.push(this.children[i]);\n newChildren.push(aSep);\n }\n newChildren.push(this.children[i]);\n this.children = newChildren;\n }\n return this;\n};\n\n/**\n * Call String.prototype.replace on the very right-most
source snippet. Useful\n * for trimming whitespace from the end of a source node, etc.\n *\n * @param aPattern The
pattern to replace.\n * @param aReplacement The thing to replace the pattern with.\n */\nSourceNode.prototype.replaceRight = function SourceNode_replaceRight(aPattern, aReplacement) {\n var
lastChild = this.children[this.children.length
- 1];\n if (lastChild[isSourceNode]) {\n lastChild.replaceRight(aPattern, aReplacement);\n }\n else if (typeof
lastChild === 'string') {\n this.children[this.children.length - 1] = lastChild.replace(aPattern, aReplacement);\n }\n else {\n this.children.push(\".replace(aPattern, aReplacement);\");\n }\n return this;\n};\n\n/**\n * Set the source
content for a source file. This will be added to the SourceMapGenerator\n * in the sourcesContent field.\n *\n * @param aSourceFile The filename of the source file\n * @param aSourceContent The content of the source file\n */\nSourceNode.prototype.setSourceContent = function SourceNode_setSourceContent(aSourceFile,
aSourceContent) {\n this.sourceContents[util.toSetString(aSourceFile)] = aSourceContent;\n};\n\n/**\n * Walk
over the tree of SourceNodes. The walking function is called for each\n * source file content and is passed the
filename and source content.\n *\n * @param aFn The traversal function.\n */\nSourceNode.prototype.walkSourceContents = function SourceNode_walkSourceContents(aFn) {\n for (var
i = 0, len = this.children.length; i < len; i++) {\n if (this.children[i][isSourceNode]) {\n this.children[i].walkSourceContents(aFn);\n }\n }\n\n var sources = Object.keys(this.sourceContents);\n for
(var i = 0, len = sources.length; i < len; i++) {\n aFn(util.fromSetString(sources[i]),
this.sourceContents[sources[i]]);\n }\n};\n\n/**\n * Return the string representation of this source node. Walks
over the tree\n * and concatenates all the various snippets together to one string.\n */\nSourceNode.prototype.toString = function SourceNode_toString() {\n var str = \"\";\n this.walk(function
(chunk) {\n str += chunk;\n });\n return str;\n};\n\n/**\n * Returns the string representation of this source node
along with a source\n * map.\n */\nSourceNode.prototype.toStringWithSourceMap = function
SourceNode_toStringWithSourceMap(aArgs) {\n

```

```

var generated = {\n code: \"\", \n line: 1, \n column: 0 \n }; \n var map = new SourceMapGenerator(aArgs); \n
var sourceMappingActive = false; \n var lastOriginalSource = null; \n var lastOriginalLine = null; \n var
lastOriginalColumn = null; \n var lastOriginalName = null; \n this.walk(function (chunk, original) {\n
generated.code += chunk; \n if (original.source !== null \n && original.line !== null \n && original.column
!== null) {\n if (lastOriginalSource !== original.source \n || lastOriginalLine !== original.line \n ||
lastOriginalColumn !== original.column \n || lastOriginalName !== original.name) {\n
map.addMapping({\n source: original.source, \n original: {\n line: original.line, \n column:
original.column \n }, \n generated: {\n line: generated.line, \n column: generated.column \n
 }, \n name: original.name \n }); \n } \n
 lastOriginalSource = original.source; \n lastOriginalLine = original.line; \n lastOriginalColumn =
original.column; \n lastOriginalName = original.name; \n sourceMappingActive = true; \n } else if
(sourceMappingActive) {\n map.addMapping({\n generated: {\n line: generated.line, \n column:
generated.column \n }, \n }); \n lastOriginalSource = null; \n sourceMappingActive = false; \n } \n for
(var idx = 0, length = chunk.length; idx < length; idx++) {\n if (chunk.charCodeAtAt(idx) === NEWLINE_CODE)
{\n generated.line++; \n generated.column = 0; \n // Mappings end at eol \n if (idx + 1 === length)
{\n lastOriginalSource = null; \n sourceMappingActive = false; \n } else if (sourceMappingActive) {\n
 map.addMapping({\n source: original.source, \n original: {\n line: original.line, \n
 column: original.column \n }, \n generated: {\n line: generated.line, \n column: generated.column \n
 }, \n name: original.name \n }); \n } \n } else {\n generated.column++; \n } \n } \n }); \n
this.walkSourceContents(function (sourceFile, sourceContent) {\n map.setSourceContent(sourceFile,
sourceContent); \n }); \n \n return { code: generated.code, map: map }; \n }; \n \n exports.SourceNode =
SourceNode; \n \n \n \"use strict\"; \n \n \n Object.defineProperty(exports, \"__esModule\", {\n value:
true \n }); \n \n exports.default = void 0; \n \n var _interopRequireDefault = _interopRequireDefault(require(\"./buffer\")); \n \n var n =
_interopRequireWildcard(require(\"./node\")); \n \n var t =
_interopRequireWildcard(require(\"@babel/types\")); \n \n var generatorFunctions =
_interopRequireWildcard(require(\"./generators\")); \n \n function _getRequireWildcardCache() { if (typeof WeakMap
!== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function
() { return cache; }; return cache; } \n \n function _interopRequireWildcard(obj) { if (obj && obj.__esModule) {
return obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; }
var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {};
var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; } \n \n function _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; } \n \n const SCIENTIFIC_NOTATION = /e/i; \n const
ZERO_DECIMAL_INTEGER = /\\.0+$/; \n const NON_DECIMAL_LITERAL
= /^0[box]; \n const PURE_ANNOTATION_RE = /^\\s*([@#])__PURE__\\s*$/; \n \n class Printer {\n
constructor(format, map) {\n this.inForStatementInitCounter = 0; \n this._printStack = []; \n this._indent = 0; \n
this._insideAux = false; \n this._printedCommentStarts = {}; \n this._parenPushNewlineState = null; \n
this._noLineTerminator = false; \n this._printAuxAfterOnNextUserNode = false; \n this._printedComments = new
WeakSet(); \n this._endsWithInteger = false; \n this._endsWithWord = false; \n this.format = format || {}; \n
this._buf = new _buffer.default(map); \n } \n \n generate(ast) {\n this.print(ast); \n \n
this._maybeAddAuxComment(); \n return this._buf.get(); \n } \n \n indent() {\n if (this.format.compact ||
this.format.concise) return; \n this._indent++; \n } \n \n dedent() {\n if (this.format.compact || this.format.concise)
return; \n this._indent--; \n } \n \n semicolon(force = false) {\n this._maybeAddAuxComment(); \n \n
this._append(\";\",

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!force);\n }\n\n rightBrace() {\n if (this.format.minified) {\n this._buf.removeLastSemicolon();\n }\n\n this.token("\n");\n }\n\n space(force = false) {\n if (this.format.compact) return;\n\n if (this._buf.hasContent() && !this.endsWith("\n") && !this.endsWith("\n\n") || force) {\n this._space();\n }\n }\n\n word(str) {\n if (this._endsWithWord || this.endsWith("\n") && str.indexOf("\n") === 0) {\n this._space();\n }\n\n this._maybeAddAuxComment();\n\n this._append(str);\n\n this._endsWithWord = true;\n }\n\n number(str) {\n this.word(str);\n\n this._endsWithInteger = Number.isInteger(+str) && !NON_DECIMAL_LITERAL.test(str) && !SCIENTIFIC_NOTATION.test(str) && !ZERO_DECIMAL_INTEGER.test(str) && str[str.length - 1] !== \".";\n }\n\n token(str) {\n if (str === "--" && this.endsWith("!")) || str[0] === "+" && this.endsWith("\n") || str[0] === "-" && this.endsWith("\n") || str[0] === "." && this._endsWithInteger) {\n this._space();\n }\n\n this._maybeAddAuxComment();\n\n this._append(str);\n }\n\n newline(i) {\n if (this.format.retainLines || this.format.compact) return;\n\n if (this.format.concise) {\n this.space();\n return;\n }\n\n if (this.endsWith("\n\n")) return;\n\n if (typeof i !== "number") i = 1;\n\n i = Math.min(2, i);\n\n if (this.endsWith("\n") || this.endsWith("\n\n")) i--;\n\n if (i <= 0) return;\n\n for (let j = 0; j < i; j++) {\n this._newline();\n }\n }\n\n endsWith(str) {\n return this._buf.endsWith(str);\n }\n\n removeTrailingNewline() {\n this._buf.removeTrailingNewline();\n }\n\n exactSource(loc, cb) {\n this._catchUp("start", loc);\n\n this._buf.exactSource(loc, cb);\n }\n\n source(prop, loc) {\n this._catchUp(prop, loc);\n\n this._buf.source(prop, loc);\n }\n\n withSource(prop, loc, cb) {\n this._catchUp(prop, loc);\n\n this._buf.withSource(prop, loc, cb);\n }\n\n _space() {\n this._append("\n", true);\n }\n\n _newline() {\n this._append("\n\n", true);\n }\n\n _append(str, queue = false) {\n this._maybeAddParen(str);\n\n this._maybeIndent(str);\n\n if (queue) this._buf.queue(str); else this._buf.append(str);\n\n this._endsWithWord = false;\n\n this._endsWithInteger = false;\n }\n\n _maybeIndent(str) {\n if (this._indent && this.endsWith("\n\n") && str[0] !== "\n\n") {\n this._buf.queue(this._getIndent());\n }\n }\n\n _maybeAddParen(str) {\n const parenPushNewlineState = this._parenPushNewlineState;\n\n if (!parenPushNewlineState) return;\n\n let i;\n\n for (i = 0; i < str.length && str[i] === "\""; i++) continue;\n\n if (i === str.length) {\n return;\n }\n\n const cha = str[i];\n\n if (cha !== "\n\n") {\n if (cha !== "\"" || i + 1 === str.length) {\n this._parenPushNewlineState = null;\n return;\n }\n\n const chaPost = str[i + 1];\n\n if (chaPost === "/*") {\n if (PURE_ANNOTATION_RE.test(str.slice(i + 2, str.length - 2))) {\n return;\n }\n }\n\n } else if (chaPost !== "\"") {\n this._parenPushNewlineState = null;\n return;\n }\n }\n\n this.token("(");\n\n this.indent();\n\n parenPushNewlineState.printed = true;\n }\n\n _catchUp(prop, loc) {\n if (!this.format.retainLines) return;\n\n const pos = loc ? loc[prop] : null;\n\n if ((pos === null ? void 0 : pos.line) !== null) {\n const count = pos.line - this._buf.getCurrentLine();\n\n for (let i = 0; i < count; i++) {\n this._newline();\n }\n }\n }\n\n _getIndent() {\n return this.format.indent.style.repeat(this._indent);\n }\n\n startTerminatorless(isLabel = false) {\n if (isLabel) {\n this._noLineTerminator = true;\n return null;\n }\n\n else {\n return this._parenPushNewlineState = {\n printed: false\n }; \n }\n }\n\n endTerminatorless(state) {\n this._noLineTerminator = false;\n\n if (state === null ? void 0 : state.printed) {\n this.dedent();\n\n this.newline();\n\n this.token(")");\n }\n }\n\n print(node, parent) {\n if (!node) return;\n\n const oldConcise = this.format.concise;\n\n if (node._compact) {\n this.format.concise = true;\n }\n\n const printMethod = this[node.type];\n\n if (!printMethod) {\n throw new ReferenceError(`unknown node of type ${JSON.stringify(node.type)} with constructor ${JSON.stringify(node === null ? void 0 : node.constructor.name)}`);\n }\n\n this._printStack.push(node);\n\n const oldInAux = this._insideAux;\n\n this._insideAux = !node.loc;\n\n this._maybeAddAuxComment(this._insideAux && !oldInAux);\n\n let needsParens = n.needsParens(node, parent, this._printStack);\n\n if (this.format.retainFunctionParens && node.type === "FunctionExpression" && node.extra && node.extra.parenthesized) {\n needsParens = true;\n }\n\n if (needsParens) this.token("(");\n\n this._printLeadingComments(node);\n\n const loc = t.isProgram(node) || t.isFile(node) ? null : node.loc;\n\n this.withSource("start", loc, () => {\n printMethod.call(this, node, parent);\n

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Math.max(this._getIndent().length, this.format.retainLines ? 0 : this._buf.getCurrentColumn());\n val =
val.replace(/\n(?!\$)/g, '\n${" ".repeat(indentSize)}');\n }\n\n if (this.endsWith("\n")) this._space();\n this.withSource("\start", comment.loc, () => {\n this._append(val);\n });\n if (printNewLines)
this.newline(1);\n }\n\n _printComments(comments, inlinePureAnnotation) {\n if (!(comments == null ? void 0 :
comments.length)) return;\n\n if (inlinePureAnnotation && comments.length === 1 &&
PURE_ANNOTATION_RE.test(comments[0].value)) {\n this._printComment(comments[0],
this._buf.hasContent() && !this.endsWith("\n\n")); \n } else {\n for (const comment of comments) {\n
this._printComment(comment);\n
 }\n }\n\n printAssertions(node) {\n var _node$assertions;\n\n if ((_node$assertions = node.assertions)
== null ? void 0 : _node$assertions.length) {\n this.space();\n this.word("assert");\n this.space();\n
this.token("(");\n this.space();\n this.printList(node.assertions, node);\n this.space();\n
this.token(")");\n }\n }\n\n \n\nexports.default = Printer;\nObject.assign(Printer.prototype,
generatorFunctions);\n\nfunction commaSeparator() {\n this.token(",");\n this.space();\n ",";"use
strict";\n\nObject.defineProperty(exports, "_esModule", {\n value: true\n});\n\nexports.default = void 0;\nconst
SPACES_RE = /^[\t]+$/;\n\nclass Buffer {\n constructor(map) {\n this._map = null;\n this._buf = [];\n
this._last = "";\n this._queue = [];\n this._position = {\n line: 1,\n column: 0\n };\n
this._sourcePosition = {\n identifierName: null,\n line: null,\n column: null,\n
 filename: null\n };\n this._disallowedPop = null;\n this._map = map;\n }\n\n get() {\n this._flush();\n\n
const map = this._map;\n const result = {\n code: this._buf.join("").trimRight(),\n map: null,\n
 rawMappings: map == null ? void 0 : map.getRawMappings()\n };\n\n if (map) {\n
Object.defineProperty(result, "map", {\n configurable: true,\n enumerable: true,\n\n get() {\n
return this.map = map.get();\n },\n\n set(value) {\n Object.defineProperty(this, "map", {\n
 value,\n writable: true\n });\n }\n });\n\n return result;\n }\n\n append(str) {\n
this._flush();\n\n const {\n line,\n column,\n filename,\n identifierName,\n force\n } =
this._sourcePosition;\n\n this._append(str, line, column, identifierName, filename, force);\n }\n\n queue(str) {\n
if (str === "\n\n") {\n
 while (this._queue.length > 0 && SPACES_RE.test(this._queue[0][0])) {\n this._queue.shift();\n }\n
 \n\n const {\n line,\n column,\n filename,\n identifierName,\n force\n } =
this._sourcePosition;\n\n this._queue.unshift([str, line, column, identifierName, filename, force]);\n }\n\n _flush()
{\n let item;\n\n while (item = this._queue.pop()) this._append(...item);\n }\n\n _append(str, line, column,
identifierName, filename, force) {\n this._buf.push(str);\n\n this._last = str[str.length - 1];\n let i =
str.indexOf("\n\n");\n let last = 0;\n\n if (i !== 0) {\n this._mark(line, column, identifierName, filename,
force);\n }\n\n while (i !== -1) {\n this._position.line++;\n this._position.column = 0;\n last = i + 1;\n\n
 if (last < str.length) {\n this._mark(++line, 0, identifierName, filename, force);\n }\n\n i =
str.indexOf("\n\n", last);\n }\n\n this._position.column
+= str.length - last;\n }\n\n _mark(line, column, identifierName, filename, force) {\n var _this$_map;\n\n
(_this$_map = this._map) == null ? void 0 : _this$_map.mark(this._position.line, this._position.column, line,
column, identifierName, filename, force);\n }\n\n removeTrailingNewline() {\n if (this._queue.length > 0 &&
this._queue[0][0] === "\n\n") {\n this._queue.shift();\n }\n }\n\n removeLastSemicolon() {\n if
(this._queue.length > 0 && this._queue[0][0] === ";" || "\n") {\n this._queue.shift();\n }\n }\n\n endsWith(suffix)
{\n if (suffix.length === 1) {\n let last;\n\n if (this._queue.length > 0) {\n const str =
this._queue[0][0];\n last = str[str.length - 1];\n } else {\n last = this._last;\n }\n\n return last ===
suffix;\n }\n\n const end = this._last + this._queue.reduce((acc, item) => item[0] + acc, "");\n\n if
(suffix.length <= end.length) {\n return end.slice(-suffix.length)
=== suffix;\n }\n\n return false;\n }\n\n hasContent() {\n return this._queue.length > 0 || !!this._last;\n }\n\n
exactSource(loc, cb) {\n this.source("\start", loc, true);\n cb();\n this.source("\end", loc);\n\n
this._disallowPop("\start", loc);\n }\n\n source(prop, loc, force) {\n if (prop && !loc) return;\n\n
this._normalizePosition(prop, loc, this._sourcePosition, force);\n }\n\n withSource(prop, loc, cb) {\n if

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(!this._map) return cb();\n const originalLine = this._sourcePosition.line;\n const originalColumn =
this._sourcePosition.column;\n const originalFilename = this._sourcePosition.filename;\n const
originalIdentifierName = this._sourcePosition.identifierName;\n this.source(prop, loc);\n cb();\n\n if
((!this._sourcePosition.force || this._sourcePosition.line !== originalLine || this._sourcePosition.column !==
originalColumn || this._sourcePosition.filename !== originalFilename) && (!this._disallowedPop ||
this._disallowedPop.line
!== originalLine || this._disallowedPop.column !== originalColumn || this._disallowedPop.filename !==
originalFilename)) {\n this._sourcePosition.line = originalLine;\n this._sourcePosition.column =
originalColumn;\n this._sourcePosition.filename = originalFilename;\n this._sourcePosition.identifierName =
originalIdentifierName;\n this._sourcePosition.force = false;\n this._disallowedPop = null;\n }\n}\n\n
_disallowPop(prop, loc) {\n if (prop && !loc) return;\n this._disallowedPop = this._normalizePosition(prop,
loc);\n}\n\n_normalizePosition(prop, loc, targetObj, force) {\n const pos = loc ? loc[prop] : null;\n\n if
(targetObj === undefined) {\n targetObj = {\n identifierName: null,\n line: null,\n column: null,\n
filename: null,\n force: false\n };\n }\n\n const origLine = targetObj.line;\n const origColumn =
targetObj.column;\n const origFilename = targetObj.filename;\n
 targetObj.identifierName = prop === \"start\" && (loc == null ? void 0 : loc.identifierName) || null;\n
targetObj.line = pos == null ? void 0 : pos.line;\n targetObj.column = pos == null ? void 0 : pos.column;\n
targetObj.filename = loc == null ? void 0 : loc.filename;\n\n if (force || targetObj.line !== origLine ||
targetObj.column !== origColumn || targetObj.filename !== origFilename) {\n targetObj.force = force;\n }\n\n
return targetObj;\n}\n\ngetCurrentColumn() {\n const extra = this._queue.reduce((acc, item) => item[0] + acc,
\"\");\n const lastIndex = extra.lastIndexOf(\"\\n\");\n return lastIndex === -1 ? this._position.column +
extra.length : extra.length - 1 - lastIndex;\n}\n\ngetCurrentLine() {\n const extra = this._queue.reduce((acc,
item) => item[0] + acc, \"\");\n let count = 0;\n for (let i = 0; i < extra.length; i++) {\n if (extra[i] ===
\"\\n\") count++;\n }\n return this._position.line
+ count;\n}\n\n}\n\n\nexports.default = Buffer;\", \"\\nuse strict\\n\\nObject.defineProperty(exports, \"__esModule\",
{\n value: true\n});\n\nexports.list = exports.nodes = void 0;\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc
&& (desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } }
newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }\n\nfunction crawl(node, state = {})\n{\n if (t.isMemberExpression(node) || t.isOptionalMemberExpression(node)) {\n crawl(node.object, state);\n if
(node.computed) crawl(node.property, state);\n } else if (t.isBinary(node) || t.isAssignmentExpression(node)) {\n
crawl(node.left, state);\n crawl(node.right, state);\n } else if (t.isCallExpression(node) ||
t.isOptionalCallExpression(node)) {\n state.hasCall = true;\n crawl(node.callee, state);\n } else if
(t.isFunction(node)) {\n state.hasFunction = true;\n } else if (t.isIdentifier(node)) {\n state.hasHelper =
state.hasHelper || isHelper(node.callee);\n }\n\n return state;\n}\n\nfunction isHelper(node) {\n if
(t.isMemberExpression(node)) {\n return isHelper(node.object) || isHelper(node.property);\n } else if
(t.isIdentifier(node))\n {\n return node.name === \"require\" || node.name[0] === \"_\";\n } else if (t.isCallExpression(node)) {\n
return isHelper(node.callee);\n } else if (t.isBinary(node) || t.isAssignmentExpression(node)) {\n return
t.isIdentifier(node.left) && isHelper(node.left) || isHelper(node.right);\n } else {\n return false;\n }\n}\n\nfunction isType(node) {\n return t.isLiteral(node) || t.isObjectExpression(node) || t.isArrayExpression(node)

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|| t.isIdentifier(node) || t.isMemberExpression(node);\n}\n\nconst nodes = {\n AssignmentExpression(node) {\n const state = crawl(node.right);\n if (state.hasCall && state.hasHelper || state.hasFunction) {\n return {\n before: state.hasFunction,\n after: true\n };\n }\n },\n SwitchCase(node, parent) {\n return {\n before: node.consequent.length || parent.cases[0] === node,\n after: !node.consequent.length && parent.cases[parent.cases.length - 1] === node\n };\n },\n LogicalExpression(node) {\n if (t.isFunction(node.left) || t.isFunction(node.right)) {\n return {\n after: true\n };\n }\n },\n Literal(node) {\n if (node.value === "use strict") {\n return {\n after: true\n };\n }\n },\n CallExpression(node) {\n if (t.isFunction(node.callee) || isHelper(node)) {\n return {\n before: true,\n after: true\n };\n }\n },\n OptionalCallExpression(node) {\n if (t.isFunction(node.callee)) {\n return {\n before: true,\n after: true\n };\n }\n },\n VariableDeclaration(node) {\n for (let i = 0; i < node.declarations.length; i++) {\n const declar = node.declarations[i];\n let enabled = isHelper(declar.id) && !isType(declar.init);\n if (!enabled) {\n const state = crawl(declar.init);\n enabled = isHelper(declar.init) && state.hasCall || state.hasFunction;\n }\n if (enabled) {\n return {\n before: true,\n after: true\n };\n }\n }\n },\n IfStatement(node) {\n if (t.isBlockStatement(node.consequent)) {\n return {\n before: true,\n after: true\n };\n }\n }\n};\n\nexports.nodes = nodes;\n\nnodes.ObjectProperty = nodes.ObjectTypeProperty = nodes.ObjectMethod = function (node, parent) {\n if (parent.properties[0] === node) {\n return {\n before: true\n };\n }\n};\n\nnodes.ObjectTypeCallProperty = function (node, parent) {\n var _parent$properties;\n if (parent.callProperties[0] === node && !((_parent$properties = parent.properties) == null ? void 0 : _parent$properties.length)) {\n return {\n before: true\n };\n }\n};\n\nnodes.ObjectTypeIndexer = function (node, parent) {\n var _parent$properties2, _parent$callPropertie;\n if (parent.indexers[0] === node && !((_parent$properties2 = parent.properties) == null ? void 0 : _parent$properties2.length) && !((_parent$callPropertie = parent.callProperties) == null ? void 0 : _parent$callPropertie.length)) {\n return {\n before: true\n };\n }\n};\n\nnodes.ObjectTypeInternalSlot = function (node, parent) {\n var _parent$properties3, _parent$callPropertie2, _parent$indexers;\n if (parent.internalSlots[0] === node && !((_parent$properties3 = parent.properties) == null ? void 0 : _parent$properties3.length) && !((_parent$callPropertie2 = parent.callProperties) == null ? void 0 : _parent$callPropertie2.length) && !((_parent$indexers = parent.indexers) == null ? void 0 : _parent$indexers.length)) {\n return {\n before: true\n };\n }\n};\n\nconst list = {\n VariableDeclaration(node) {\n return node.declarations.map(decl => decl.init);\n },\n ArrayExpression(node) {\n return node.elements;\n },\n ObjectExpression(node) {\n return node.properties;\n }\n};\n\nexports.list = list;\n\n[["Function", true], ["Class", true], ["Loop", true], ["LabeledStatement", true], ["SwitchStatement", true], ["TryStatement", true]].forEach(function ([type, amounts]) {\n if (typeof amounts === "boolean") {\n amounts = {\n after: amounts,\n before: amounts\n };\n }\n [type].concat(t.FLIPPED_ALIAS_KEYS[type] || []).forEach(function (type) {\n nodes[type] = function () {\n return amounts;\n };\n });\n});\n\n""use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.NullableTypeAnnotation = NullableTypeAnnotation;\nexports.FunctionTypeAnnotation = FunctionTypeAnnotation;\nexports.UpdateExpression = UpdateExpression;\nexports.ObjectExpression = ObjectExpression;\nexports.DoExpression = DoExpression;\nexports.Binary = Binary;\nexports.BinaryExpression = BinaryExpression;\nexports.BinaryExpression = BinaryExpression;\nexports.SequenceExpression = SequenceExpression;\nexports.AwaitExpression = exports.YieldExpression = YieldExpression;\nexports.ClassExpression = ClassExpression;\nexports.UnaryLike = UnaryLike;\nexports.FunctionExpression = FunctionExpression;\nexports.ArrowFunctionExpression = ArrowFunctionExpression;\nexports.ConditionalExpression = ConditionalExpression;\nexports.OptionalCallExpression = exports.OptionalMemberExpression =

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OptionalMemberExpression;\nextports.AssignmentExpression =
AssignmentExpression;\nextports.LogicalExpression = LogicalExpression;\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\")
{ return { default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return
cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty &&
Object.getPrototypeOfDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var
desc = hasPropertyDescriptor ? Object.getPrototypeOfDescriptor(obj, key) : null; if (desc && (desc.get || desc.set))
{ Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache)
{ cache.set(obj, newObj); } return newObj; }\n\nconst PRECEDENCE = {\n \"|\": 0,\n \"??\": 0,\n \"&&\": 1,\n \"|\": 2,\n \"^\": 3,\n \"&\": 4,\n \"==\": 5,\n \"===\": 5,\n \"!\": 5,\n \"!==\": 5,\n \"<\": 6,\n \">\": 6,\n \"<=\": 6,\n \">=\": 6,\n \"in\": 6,\n instanceof: 6,\n \">>\": 7,\n \"<<\": 7,\n \">>>\": 7,\n \"+\": 8,\n \"-\": 8,\n \"*\": 9,\n \"/\": 9,\n \"%\": 9,\n \"**\": 10\n};\n\nconst isClassExtendsClause = (node,
parent) => (t.isClassDeclaration(parent) || t.isClassExpression(parent)) && parent.superClass === node;\n\nconst
hasPostfixPart = (node, parent) => (t.isMemberExpression(parent) || t.isOptionalMemberExpression(parent)) &&
parent.object === node || (t.isCallExpression(parent) || t.isOptionalCallExpression(parent) ||
t.isNewExpression(parent)) && parent.callee === node || t.isTaggedTemplateExpression(parent) && parent.tag ===
node || t.isTSNonNullExpression(parent);\n\nfunction NullableTypeAnnotation(node, parent) {\n return
t.isArrayTypeAnnotation(parent);\n}\n\nfunction FunctionTypeAnnotation(node, parent, printStack) {\n return
t.isUnionTypeAnnotation(parent) || t.isIntersectionTypeAnnotation(parent) || t.isArrayTypeAnnotation(parent) ||
t.isTypeAnnotation(parent) && t.isArrowFunctionExpression(printStack[printStack.length - 3]);\n}\n\nfunction
UpdateExpression(node, parent) {\n return hasPostfixPart(node, parent) || isClassExtendsClause(node,
parent);\n}\n\nfunction ObjectExpression(node,
parent, printStack) {\n return isFirstInStatement(printStack, {\n considerArrow: true\n });\n}\n\nfunction
DoExpression(node, parent, printStack) {\n return isFirstInStatement(printStack);\n}\n\nfunction Binary(node,
parent) {\n if (node.operator === \"**\" && t.isBinaryExpression(parent, {\n operator: \"**\"\n})) {\n return
parent.left === node;\n }\n\n if (isClassExtendsClause(node, parent)) {\n return true;\n }\n\n if
(hasPostfixPart(node, parent) || t.isUnaryLike(parent) || t.isAwaitExpression(parent)) {\n return true;\n }\n\n if
(t.isBinary(parent)) {\n const parentOp = parent.operator;\n const parentPos = PRECEDENCE[parentOp];\n const
nodeOp = node.operator;\n const nodePos = PRECEDENCE[nodeOp];\n\n if (parentPos === nodePos &&
parent.right === node && !t.isLogicalExpression(parent) || parentPos > nodePos) {\n return true;\n }\n }\n}\n\nfunction UnionTypeAnnotation(node, parent) {\n return t.isArrayTypeAnnotation(parent)
|| t.isNullableTypeAnnotation(parent) || t.isIntersectionTypeAnnotation(parent) ||
t.isUnionTypeAnnotation(parent);\n}\n\nfunction TSAsExpression() {\n return true;\n}\n\nfunction
TSTypeAssertion() {\n return true;\n}\n\nfunction TSUnionType(node, parent) {\n return t.isTSArrayType(parent)
|| t.isTSOptionalType(parent) || t.isTSIntersectionType(parent) || t.isTSUnionType(parent) ||
t.isTSRestType(parent);\n}\n\nfunction TSInferType(node, parent) {\n return t.isTSArrayType(parent) ||
t.isTSOptionalType(parent);\n}\n\nfunction BinaryExpression(node, parent) {\n return node.operator === \"in\"
&& (t.isVariableDeclarator(parent) || t.isFor(parent));\n}\n\nfunction SequenceExpression(node, parent) {\n if
(t.isForStatement(parent) || t.isThrowStatement(parent) || t.isReturnStatement(parent) || t.isIfStatement(parent) &&
parent.test === node || t.isWhileStatement(parent) && parent.test === node || t.isForInStatement(parent) &&
parent.right === node || t.isSwitchStatement(parent)
&& parent.discriminant === node || t.isExpressionStatement(parent) && parent.expression === node) {\n return
false;\n }\n\n return true;\n}\n\nfunction YieldExpression(node, parent) {\n return t.isBinary(parent) ||
t.isUnaryLike(parent) || hasPostfixPart(node, parent) || t.isAwaitExpression(parent) && t.isYieldExpression(node) ||
t.isConditionalExpression(parent) && node === parent.test || isClassExtendsClause(node, parent);\n}\n\nfunction

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ClassExpression(node, parent, printStack) {\n return isFirstInStatement(printStack, {\n considerDefaultExports:
true\n });\n}\n\nfunction UnaryLike(node, parent) {\n return hasPostfixPart(node, parent) ||
t.isBinaryExpression(parent, {\n operator: \"**\", \n left: node\n }) || isClassExtendsClause(node,
parent);\n}\n\nfunction FunctionExpression(node, parent, printStack) {\n return isFirstInStatement(printStack, {\n
considerDefaultExports: true\n });\n}\n\nfunction ArrowFunctionExpression(node, parent) {\n return
t.isExportDeclaration(parent)
 || ConditionalExpression(node, parent);\n}\n\nfunction ConditionalExpression(node, parent) {\n if
(t.isUnaryLike(parent) || t.isBinary(parent) || t.isConditionalExpression(parent, {\n test: node\n }) ||
t.isAwaitExpression(parent) || t.isTSTypeAssertion(parent) || t.isTSAsExpression(parent)) {\n return true;\n }\n\n
return UnaryLike(node, parent);\n}\n\nfunction OptionalMemberExpression(node, parent) {\n return
t.isCallExpression(parent, {\n callee: node\n }) || t.isMemberExpression(parent, {\n object: node\n
});\n}\n\nfunction AssignmentExpression(node, parent, printStack) {\n if (t.isObjectPattern(node.left)) {\n return
true;\n } else {\n return ConditionalExpression(node, parent, printStack);\n }\n}\n\nfunction
LogicalExpression(node, parent) {\n switch (node.operator) {\n case \"||\":\n if (!t.isLogicalExpression(parent))
return false;\n return parent.operator === \"??\" || parent.operator === \"&&\";\n\n case \"&&\":\n
return t.isLogicalExpression(parent, {\n operator: \"??\" \n });\n\n case \"??\":\n return
t.isLogicalExpression(parent) && parent.operator !== \"??\";\n }\n}\n\nfunction isFirstInStatement(printStack, {\n
considerArrow = false, \n considerDefaultExports = false\n } = {}) {\n let i = printStack.length - 1;\n let node =
printStack[i];\n i--;\n let parent = printStack[i];\n\n while (i >= 0) {\n if (t.isExpressionStatement(parent, {\n
expression: node\n }) || considerDefaultExports && t.isExportDefaultDeclaration(parent, {\n declaration:
node\n }) || considerArrow && t.isArrowFunctionExpression(parent, {\n body: node\n })) {\n return
true;\n }\n\n if (hasPostfixPart(node, parent) && !t.isNewExpression(parent) || t.isSequenceExpression(parent)
&& parent.expressions[0] === node || t.isConditional(parent, {\n test: node\n }) || t.isBinary(parent, {\n left:
node\n }) || t.isAssignmentExpression(parent, {\n
left: node\n })) {\n node = parent;\n i--;\n parent = printStack[i];\n } else {\n return false;\n }\n
}\n\n return false;\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nvar
_templateLiterals = require(\"./template-literals\");\n\nObject.keys(_templateLiterals).forEach(function (key) {\n if
(key === \"default\" || key === \"__esModule\") return;\n if (key in exports && exports[key] ===
_templateLiterals[key]) return;\n Object.defineProperty(exports, key, {\n enumerable: true, \n get: function () {\n
return _templateLiterals[key];\n }\n });\n});\n\nvar _expressions =
require(\"./expressions\");\n\nObject.keys(_expressions).forEach(function (key) {\n if (key === \"default\" || key
=== \"__esModule\") return;\n if (key in exports && exports[key] === _expressions[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true, \n get: function () {\n return _expressions[key];\n
}\n });\n});\n\nvar _statements = require(\"./statements\");\n\nObject.keys(_statements).forEach(function (key) {\n
if (key === \"default\" || key === \"__esModule\") return;\n if (key in exports && exports[key] ===
_statements[key]) return;\n Object.defineProperty(exports, key, {\n enumerable: true, \n get: function () {\n
return _statements[key];\n }\n });\n});\n\nvar _classes =
require(\"./classes\");\n\nObject.keys(_classes).forEach(function (key) {\n if (key === \"default\" || key ===
\"__esModule\") return;\n if (key in exports && exports[key] === _classes[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true, \n get: function () {\n return _classes[key];\n }\n
});\n});\n\nvar _methods = require(\"./methods\");\n\nObject.keys(_methods).forEach(function (key) {\n if (key
=== \"default\" || key === \"__esModule\") return;\n if (key in exports && exports[key] === _methods[key])
return;\n Object.defineProperty(exports,
key, {\n enumerable: true, \n get: function () {\n return _methods[key];\n }\n });\n});\n\nvar _modules =
require(\"./modules\");\n\nObject.keys(_modules).forEach(function (key) {\n if (key === \"default\" || key ===
\"__esModule\") return;\n if (key in exports && exports[key] === _modules[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true, \n get: function () {\n return _modules[key];\n }\n
});\n});\n\nvar _types = require(\"./types\");\n\nObject.keys(_types).forEach(function (key) {\n if (key ===

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"default" || key === "__esModule") return;
if (key in exports && exports[key] === _types[key]) return;
Object.defineProperty(exports, key, {
 enumerable: true,
 get: function () {
 return _types[key];
 }
});
var _flow = require("./flow");
Object.keys(_flow).forEach(function (key) {
 if (key === "default" || key === "__esModule") return;
 if (key in exports && exports[key] === _flow[key]) return;
 Object.defineProperty(exports, key, {
 enumerable: true,
 get: function () {
 return _flow[key];
 }
 });
});
var _base = require("./base");
Object.keys(_base).forEach(function (key) {
 if (key === "default" || key === "__esModule") return;
 if (key in exports && exports[key] === _base[key]) return;
 Object.defineProperty(exports, key, {
 enumerable: true,
 get: function () {
 return _base[key];
 }
 });
});
var _jsx = require("./jsx");
Object.keys(_jsx).forEach(function (key) {
 if (key === "default" || key === "__esModule") return;
 if (key in exports && exports[key] === _jsx[key]) return;
 Object.defineProperty(exports, key, {
 enumerable: true,
 get: function () {
 return _jsx[key];
 }
 });
});
var _typescript = require("./typescript");
Object.keys(_typescript).forEach(function (key) {
 if (key === "default" || key === "__esModule") return;
 if (key in exports && exports[key] === _typescript[key]) return;
 Object.defineProperty(exports, key, {
 enumerable: true,
 get: function () {
 return _typescript[key];
 }
 });
});
"use strict";
Object.defineProperty(exports, "__esModule", {
 value: true
});
exports.TaggedTemplateExpression = TaggedTemplateExpression;
exports.TemplateElement = TemplateElement;
exports.TemplateLiteral = TemplateLiteral;
function TaggedTemplateExpression(node) {
 this.print(node.tag, node);
 this.print(node.typeParameters, node);
 this.print(node.quasi, node);
}
function TemplateElement(node, parent) {
 const isFirst = parent.quasis[0] === node;
 const isLast = parent.quasis[parent.quasis.length - 1] === node;
 const value = (isFirst ? "`" : "`") + node.value.raw + (isLast ? "`" : "`$");
 this.token(value);
}
function TemplateLiteral(node) {
 const quasies = node.quasis;
 for (let i = 0; i < quasies.length; i++) {
 this.print(quasies[i], node);
 if (i + 1 < quasies.length) {
 this.print(node.expressions[i], node);
 }
 }
 this.print(node.expressions[i], node);
}
Object.defineProperty(exports, "__esModule", {
 value: true
});
exports.UnaryExpression = UnaryExpression;
exports.DoExpression = DoExpression;
exports.ParenthesizedExpression = ParenthesizedExpression;
exports.UpdateExpression = UpdateExpression;
exports.ConditionalExpression = ConditionalExpression;
exports.NewExpression = NewExpression;
exports.SequenceExpression = SequenceExpression;
exports.ThisExpression = ThisExpression;
exports.Super = Super;
exports.Decorator = Decorator;
exports.OptionalMemberExpression = OptionalMemberExpression;
exports.OptionalCallExpression = OptionalCallExpression;
exports.CallExpression = CallExpression;
exports.Import = Import;
exports.EmptyStatement = EmptyStatement;
exports.ExpressionStatement = ExpressionStatement;
exports.AssignmentPattern = AssignmentPattern;
exports.LogicalExpression = LogicalExpression;
exports.BinaryExpression = BinaryExpression;
exports.AssignmentExpression = AssignmentExpression;
exports.BindExpression = BindExpression;
exports.MemberExpression = MemberExpression;
exports.MetaProperty = MetaProperty;
exports.PrivateName = PrivateName;
exports.V8IntrinsicIdentifier = V8IntrinsicIdentifier;
exports.AwaitExpression = AwaitExpression;
exports.YieldExpression = YieldExpression;
var t = _interopRequireWildcard(require("@babel/types"));
var n = _interopRequireWildcard(require("../node"));
function _getRequireWildcardCache() {
 if (typeof WeakMap !== "function") return null;
 var cache = new WeakMap();
 _getRequireWildcardCache = function () {
 return cache;
 };
 return cache;
}
function _interopRequireWildcard(obj) {
 if (obj && obj.__esModule) return obj;
 if (obj === null || typeof obj !== "object" && typeof obj !== "function") {
 return {
 default: obj
 };
 }
 var cache = _getRequireWildcardCache();
 if (cache && cache.has(obj)) {
 return cache.get(obj);
 }
 var newObj = {};
 var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;
 for (var key in obj) {
 if (Object.prototype.hasOwnProperty.call(obj, key)) {
 var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;
 if (desc && (desc.get || desc.set)) {
 Object.defineProperty(newObj, key, desc);
 } else {
 newObj[key] = obj[key];
 }
 }
 }
 newObj.default = obj;
 return newObj;
}

```



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if (cache) { cache.set(obj, newObj); } return newObj; }

function UnaryExpression(node) {
 if (node.operator === "void" || node.operator === "delete" || node.operator === "typeof" || node.operator === "throw") {
 this.word(node.operator);
 this.space();
 } else {
 this.token(node.operator);
 }

 this.print(node.argument, node);
}

function DoExpression(node) {
 this.word("do");
 this.space();
 this.print(node.body, node);
}

function ParenthesizedExpression(node) {
 this.token("(");
 this.print(node.expression, node);
 this.token(")");
}

function UpdateExpression(node) {
 if (node.prefix) {
 this.token(node.operator);
 this.print(node.argument, node);
 } else {
 this.startTerminatorless(true);
 this.print(node.argument, node);
 this.endTerminatorless();
 this.token(node.operator);
 }
}

function ConditionalExpression(node) {
 this.print(node.test, node);
 this.space();
 this.token("?");
 this.space();
 this.print(node.consequent, node);
 this.space();
 this.token(":");
 this.space();
 this.print(node.alternate, node);
}

function NewExpression(node, parent) {
 this.word("new");
 this.space();
 this.print(node.callee, node);

 if (this.format.minified && node.arguments.length === 0 && !node.optional && !this.isCallExpression(parent, { callee: node }) && !this.isMemberExpression(parent) && !this.isNewExpression(parent)) {
 return;
 }

 this.print(node.typeArguments, node);
 this.print(node.typeParameters, node);

 if (node.optional) {
 this.token("?");
 }

 this.token("(");
 this.printList(node.arguments, node);
 this.token(")");
}

function SequenceExpression(node) {
 this.printList(node.expressions, node);
}

function ThisExpression() {
 this.word("this");
}

function Super() {
 this.word("super");
}

function Decorator(node) {
 this.token("@");
 this.print(node.expression, node);
 this.newline();
}

function OptionalMemberExpression(node) {
 this.print(node.object, node);

 if (!node.computed && this.isMemberExpression(node.property)) {
 throw new TypeError("Got a MemberExpression for MemberExpression property");
 }

 let computed = node.computed;

 if (this.isLiteral(node.property) && typeof node.property.value === "number") {
 computed = true;
 }

 if (node.optional) {
 this.token("?");
 }

 if (computed) {
 this.token("[");
 this.print(node.property, node);
 this.token("]");
 } else {
 if (!node.optional) {
 this.token(".");
 }

 this.print(node.property, node);
 }
}

function OptionalCallExpression(node) {
 this.print(node.callee, node);
 this.print(node.typeArguments, node);
 this.print(node.typeParameters, node);

 if (node.optional) {
 this.token("?");
 }

 this.token("(");
 this.printList(node.arguments, node);
 this.token(")");
}

function CallExpression(node) {
 this.print(node.callee, node);
 this.print(node.typeArguments, node);
 this.print(node.typeParameters, node);
 this.token("(");
 this.printList(node.arguments, node);
 this.token(")");
}

function Import() {
 this.word("import");
}

function buildYieldAwait(keyword) {
 return function (node) {
 this.word(keyword);

 if (node.delegate) {
 this.token("*");
 }

 if (node.argument) {
 this.space();
 const terminatorState = this.startTerminatorless();
 this.print(node.argument, node);
 this.endTerminatorless(terminatorState);
 }
 };
}

const YieldExpression = buildYieldAwait("yield");
const AwaitExpression = buildYieldAwait("await");

function EmptyStatement() {
 this.semicolon(true);
}

function ExpressionStatement(node) {
 this.print(node.expression, node);
 this.semicolon();
}

function AssignmentPattern(node) {
 this.print(node.left, node);

 if (node.left.optional) {
 this.token("?");
 this.print(node.left.typeAnnotation, node);
 }

 this.space();
 this.token("=");
 this.space();
 this.print(node.right, node);
}

function AssignmentExpression(node, parent) {
 const parens = this.inForStatementInitCounter && node.operator === "in" && !node.needsParens(node, parent);

 if (parens) {
 this.token("(");
 this.print(node.left, node);
 this.space();

 if (node.operator === "in" || node.operator === "instanceof") {
 this.word(node.operator);
 } else {
 this.token(node.operator);
 }
 }

 this.space();
 this.print(node.right, node);

 if (parens) {
 this.token(")");
 }
}

function BindExpression(node) {
 this.print(node.object, node);
 this.token(":");
 this.print(node.callee, node);
}

function MemberExpression(node) {
 this.print(node.object, node);

 if (!node.computed &&

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t.isMemberExpression(node.property)) {\n throw new TypeError("\nGot a MemberExpression for
MemberExpression property\n");\n }\n\n let computed = node.computed;\n\n if (t.isLiteral(node.property) &&
typeof node.property.value === "number") {\n computed = true;\n }\n\n if (computed) {\n this.token("\n[");\n
this.print(node.property, node);\n this.token("\n]");\n } else {\n this.token("\n.");\n this.print(node.property,
node);\n }\n}\n\nfunction MetaProperty(node) {\n this.print(node.meta, node);\n this.token("\n.");\n
this.print(node.property, node);\n }\n\nfunction PrivateName(node) {\n this.token("\n#");\n this.print(node.id,
node);\n }\n\nfunction V8IntrinsicIdentifier(node) {\n this.token("\n%");\n this.word(node.name);\n }\n","use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.WithStatement =
WithStatement;\n\nexports.IfStatement = IfStatement;\n\nexports.ForStatement =
ForStatement;\n\nexports.WhileStatement = WhileStatement;\n\nexports.DoWhileStatement =
DoWhileStatement;\n\nexports.LabeledStatement = LabeledStatement;\n\nexports.TryStatement =
TryStatement;\n\nexports.CatchClause = CatchClause;\n\nexports.SwitchStatement =
SwitchStatement;\n\nexports.SwitchCase = SwitchCase;\n\nexports.DebuggerStatement =
DebuggerStatement;\n\nexports.VariableDeclaration = VariableDeclaration;\n\nexports.VariableDeclarator =
VariableDeclarator;\n\nexports.ThrowStatement = exports.BreakStatement = exports.ReturnStatement =
exports.ContinueStatement = exports.ForOfStatement = exports.ForInStatement = void 0;\n\nvar t =
_interopRequireWildcard(require("\n@babel/types\n")); \n\nfunction _getRequireWildcardCache()
{ if (typeof WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache =
function () { return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj &&
obj.__esModule) { return obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return
{ default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); }
var newObj = {}; var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for
(var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction WithStatement(node) {\n this.word("\nwith\n");\n
this.space();\n
 this.token("\n(");\n this.print(node.object, node);\n this.token("\n)");\n this.printBlock(node);\n }\n\nfunction
IfStatement(node) {\n this.word("\nif\n");\n this.space();\n this.token("\n(");\n this.print(node.test, node);\n
this.token("\n)");\n this.space();\n const needsBlock = node.alternate &&
t.isIfStatement(getLastStatement(node.consequent));\n\n if (needsBlock) {\n this.token("\n{\n");\n
this.newline();\n this.indent();\n }\n\n this.printAndIndentOnComments(node.consequent, node);\n\n if
(needsBlock) {\n this.dedent();\n this.newline();\n this.token("\n}\n");\n }\n\n if (node.alternate) {\n if
(this.endsWith("\n}")) this.space();\n this.word("\nelse\n");\n this.space();\n
this.printAndIndentOnComments(node.alternate, node);\n }\n}\n\nfunction getLastStatement(statement) {\n if
(!t.isStatement(statement.body)) return statement;\n return getLastStatement(statement.body);\n }\n\nfunction
ForStatement(node) {\n this.word("\nfor\n");\n this.space();\n
 this.token("\n(");\n this.inForStatementInitCounter++;\n this.print(node.init, node);\n
this.inForStatementInitCounter--;\n this.token(";");\n\n if (node.test) {\n this.space();\n this.print(node.test,
node);\n }\n\n this.token(";");\n\n if (node.update) {\n this.space();\n this.print(node.update, node);\n }\n\n
this.token("\n)");\n this.printBlock(node);\n }\n\nfunction WhileStatement(node) {\n this.word("\nwhile\n");\n
this.space();\n this.token("\n(");\n this.print(node.test, node);\n this.token("\n)");\n
this.printBlock(node);\n }\n\nconst buildForXStatement = function (op) {\n return function (node) {\n
this.word("\nfor\n");\n this.space();\n\n if (op === "of" && node.await) {\n this.word("\nawait\n");\n
this.space();\n }\n\n this.token("\n(");\n this.print(node.left, node);\n this.space();\n this.word(op);\n
this.space();\n this.print(node.right, node);\n this.token("\n)");\n this.printBlock(node);\n
};\n}\n\nconst ForInStatement = buildForXStatement("\nin\n");\n\nexports.ForInStatement = ForInStatement;\n\nconst
ForOfStatement = buildForXStatement("\nof\n");\n\nexports.ForOfStatement = ForOfStatement;\n\nfunction

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DoWhileStatement(node) {\n this.word("\do\");\n this.space();\n this.print(node.body, node);\n this.space();\n
this.word("\while\");\n this.space();\n this.token("(");\n this.print(node.test, node);\n this.token(")");\n
this.semicolon();\n}\n\nfunction buildLabelStatement(prefix, key = "label") {\n return function (node) {\n
this.word(prefix);\n const label = node[key];\n\n if (label) {\n this.space();\n const isLabel = key ==
"label";\n const terminatorState = this.startTerminatorless(isLabel);\n this.print(label, node);\n
this.endTerminatorless(terminatorState);\n }\n\n this.semicolon();\n };\n}\n\nconst ContinueStatement =
buildLabelStatement("continue");\n\nexports.ContinueStatement = ContinueStatement;\n\nconst
ReturnStatement = buildLabelStatement("return", "argument");\n\nexports.ReturnStatement =
ReturnStatement;\n\nconst BreakStatement = buildLabelStatement("break");\n\nexports.BreakStatement =
BreakStatement;\n\nconst ThrowStatement = buildLabelStatement("throw",
"argument");\n\nexports.ThrowStatement = ThrowStatement;\n\n\nfunction LabeledStatement(node) {\n
this.print(node.label, node);\n this.token(":");\n this.space();\n this.print(node.body, node);\n}\n\n\nfunction
TryStatement(node) {\n this.word("\try\");\n this.space();\n this.print(node.block, node);\n this.space();\n\n
if (node.handlers) {\n this.print(node.handlers[0], node);\n } else {\n this.print(node.handler, node);\n }\n\n
if (node.finalizer) {\n this.space();\n this.word("\finally\");\n this.space();\n this.print(node.finalizer, node);\n
}\n}\n\n\nfunction CatchClause(node) {\n this.word("catch");\n this.space();\n\n if (node.param) {\n
this.token("(");\n this.print(node.param,
node);\n this.print(node.param.typeAnnotation, node);\n this.token(")");\n this.space();\n }\n\n
this.print(node.body, node);\n}\n\n\nfunction SwitchStatement(node) {\n this.word("\switch\");\n this.space();\n
this.token("(");\n this.print(node.discriminant, node);\n this.token(")");\n this.space();\n this.token("{");\n
this.printSequence(node.cases, node, {\n indent: true,\n\n addNewlines(leading, cas) {\n if (!leading &&
node.cases[node.cases.length - 1] === cas) return -1;\n };\n\n });\n this.token("}");\n}\n\n\nfunction
SwitchCase(node) {\n if (node.test) {\n this.word("\case\");\n this.space();\n this.print(node.test, node);\n
this.token(":");\n } else {\n this.word("\default\");\n this.token(":");\n }\n\n if (node.consequent.length) {\n
this.newline();\n this.printSequence(node.consequent, node, {\n indent: true\n });\n }\n}\n\n\nfunction
DebuggerStatement() {\n this.word("\debugger\");\n this.semicolon();\n}\n\n\nfunction
variableDeclarationIndent() {\n this.token(",");\n this.newline();\n if (this.endsWith("\n\n")) for (let i = 0; i < 4;
i++) this.space(true);\n}\n\n\nfunction constDeclarationIndent() {\n this.token(",");\n this.newline();\n if
(this.endsWith("\n\n")) for (let i = 0; i < 6; i++) this.space(true);\n}\n\n\nfunction VariableDeclaration(node, parent)
{\n if (node.declare) {\n this.word("\declare\");\n this.space();\n }\n\n this.word(node.kind);\n this.space();\n
let hasInits = false;\n\n if (!t.isFor(parent)) {\n for (const declar of node.declarations) {\n if (declar.init) {\n
hasInits = true;\n }\n }\n\n let separator;\n\n if (hasInits) {\n separator = node.kind === "const" ?
constDeclarationIndent : variableDeclarationIndent;\n }\n\n this.printList(node.declarations, node, {\n separator\n
});\n\n if (t.isFor(parent)) {\n if (parent.left === node || parent.init === node) return;\n }\n\n
this.semicolon();\n}\n}\n\nfunction
VariableDeclarator(node) {\n this.print(node.id, node);\n if (node.definite) this.token("!");\n\n
this.print(node.id.typeAnnotation, node);\n\n if (node.init) {\n this.space();\n this.token("=");\n\n
this.space();\n this.print(node.init, node);\n }\n}\n\n\nObject.defineProperty(exports,
"__esModule", {\n value: true\n});\n\nexports.ClassExpression = exports.ClassDeclaration =
ClassDeclaration;\n\nexports.ClassBody = ClassBody;\n\nexports.ClassProperty =
ClassProperty;\n\nexports.ClassPrivateProperty = ClassPrivateProperty;\n\nexports.ClassMethod =
ClassMethod;\n\nexports.ClassPrivateMethod = ClassPrivateMethod;\n\nexports._classMethodHead =
_classMethodHead;\n\nexports.StaticBlock = StaticBlock;\n\n\nvar t =
_interopRequireWildcard(require("@babel/types")); \n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if

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(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }

function ClassDeclaration(node, parent) {
 if (!this.format.decoratorsBeforeExport || !t.isExportDefaultDeclaration(parent) &&
 !t.isExportNamedDeclaration(parent)) {
 this.printJoin(node.decorators, node);
 }
 if (node.declare) {
 this.word("declare");
 this.space();
 }
 if (node.abstract) {
 this.word("abstract");
 this.space();
 }
 this.word("class");
 if (node.id) {
 this.space();
 this.print(node.id, node);
 }
 this.print(node.typeParameters, node);
 if (node.superClass) {
 this.space();
 this.word("extends");
 this.space();
 this.print(node.superClass, node);
 this.print(node.superTypeParameters, node);
 }
 if (node.implements) {
 this.space();
 this.word("implements");
 this.space();
 this.printList(node.implements, node);
 }
 this.space();
 this.print(node.body, node);
}

function ClassBody(node) {
 this.token("{");
 this.printInnerComments(node);
 if (node.body.length === 0) {
 this.token("");
 } else {
 this.newline();
 this.indent();
 this.printSequence(node.body, node);
 this.dedent();
 if (!this.endsWith("\n")) this.newline();
 this.rightBrace();
 }
}

function ClassProperty(node) {
 this.printJoin(node.decorators, node);
 this.tsPrintClassMemberModifiers(node, true);
 if (node.computed) {
 this.token("[");
 this.print(node.key, node);
 this.token("]");
 } else {
 this._variance(node);
 this.print(node.key, node);
 }
 if (node.optional) {
 this.token("?");
 }
 if (node.definite) {
 this.token("!");
 }
 this.print(node.typeAnnotation, node);
 if (node.value) {
 this.space();
 this.token("=");
 this.space();
 this.print(node.value, node);
 }
 this.semicolon();
}

function ClassPrivateProperty(node) {
 this.printJoin(node.decorators, node);
 if (node.static) {
 this.word("static");
 this.space();
 }
 this.print(node.key, node);
 this.print(node.typeAnnotation, node);
 if (node.value) {
 this.space();
 this.token("=");
 this.space();
 this.print(node.value, node);
 }
 this.semicolon();
}

function ClassMethod(node) {
 this._classMethodHead(node);
 this.space();
 this.print(node.body, node);
}

function ClassPrivateMethod(node) {
 this._classMethodHead(node);
 this.space();
 this.print(node.body, node);
}

function _classMethodHead(node) {
 this.printJoin(node.decorators, node);
 this.tsPrintClassMemberModifiers(node, false);
 this._methodHead(node);
}

function StaticBlock(node) {
 this.word("static");
 this.space();
 this.token("{");
 if (node.body.length === 0) {
 this.token("");
 } else {
 this.newline();
 this.printSequence(node.body, node, {
 indent: true
 });
 this.rightBrace();
 }
}

"use strict";
Object.defineProperty(exports, "__esModule", {
 value: true
});
exports._params =
_params;
exports._parameters = _parameters;
exports._param = _param;
exports._methodHead =
_methodHead;
exports._predicate = _predicate;
exports._functionHead =
_functionHead;
exports.FunctionDeclaration
= exports.FunctionExpression = FunctionExpression;
exports.ArrowFunctionExpression =
ArrowFunctionExpression;
var t = _interopRequireWildcard(require("@babel/types"));
function _getRequireWildcardCache() {
 if (typeof WeakMap !== "function") return null;
 var cache = new WeakMap();
 _getRequireWildcardCache = function () {
 return cache;
 };
 return cache;
}
function _interopRequireWildcard(obj) {
 if (obj && obj.__esModule) {
 return obj;
 }
 if (obj === null || typeof obj !==
"object" && typeof obj !== "function") {
 return {
 default: obj
 };
 }
 var cache = _getRequireWildcardCache();
 if (cache && cache.has(obj)) {
 return cache.get(obj);
 }
 var newObj = {};
 var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor;
 for (var key in obj) {
 if (Object.prototype.hasOwnProperty.call(obj, key)) {
 var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null;
 if (desc && (desc.get || desc.set)) {
 Object.defineProperty(newObj,

```

```

key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) { cache.set(obj, newObj); }
return newObj; }

function _params(node) {
 this.print(node.typeParameters, node);
 this.token("(");
 this._parameters(node.params, node);
 this.token(")");
 this.print(node.returnType, node);
}

function _parameters(parameters, parent) {
 for (let i = 0; i < parameters.length; i++) {
 this._param(parameters[i], parent);
 }
 if (i < parameters.length - 1) {
 this.token(",");
 this.space();
 }
}

function _param(parameter, parent) {
 this.printJoin(parameter.decorators, parameter);
 this.print(parameter, parent);
 if (parameter.optional) this.token("?");
 this.print(parameter.typeAnnotation, parameter);
}

function _methodHead(node) {
 const kind = node.kind;
 const key = node.key;
 if (kind === "get" || kind === "set") {
 this.word(kind);
 this.space();
 }
 if (node.async) {
 this._catchUp("start", key.loc);
 this.word("async");
 this.space();
 }
 if (kind === "method" || kind === "init") {
 if (node.generator) {
 this.token("*");
 }
 if (node.computed) {
 this.token("[");
 this.print(key, node);
 this.token("]");
 } else {
 this.print(key, node);
 }
 if (node.optional) {
 this.token("?");
 }
 this._params(node);
 }
 function _predicate(node) {
 if (node.predicate) {
 if (!node.returnType) {
 this.token(":");
 }
 this.space();
 this.print(node.predicate, node);
 }
 }
 function _functionHead(node) {
 if (node.async) {
 this.word("async");
 this.space();
 }
 this.word("function");
 if (node.generator) this.token("*");
 this.space();
 if (node.id) {
 this.print(node.id, node);
 }
 this._params(node);
 this._predicate(node);
 }
 function _functionExpression(node) {
 this._functionHead(node);
 this.space();
 this.print(node.body, node);
 }
 function _arrowFunctionExpression(node) {
 if (node.async) {
 this.word("async");
 this.space();
 }
 const firstParam = node.params[0];
 if (node.params.length === 1 && !this.isIdentifier(firstParam) && !hasTypes(node, firstParam)) {
 if ((this.format.retainLines || node.async) && node.loc && node.body.loc && node.loc.start.line < node.body.loc.start.line) {
 this.token("(");
 if (firstParam.loc && firstParam.loc.start.line > node.loc.start.line) {
 this.indent();
 this.print(firstParam, node);
 this.dedent();
 this._catchUp("start", node.body.loc);
 } else {
 this.print(firstParam, node);
 }
 this.token(")");
 } else {
 this.print(firstParam, node);
 }
 } else {
 this._params(node);
 }
 this._predicate(node);
 this.space();
 this.token("=>");
 this.space();
 this.print(node.body, node);
 }
 function hasTypes(node, param) {
 return node.typeParameters || node.returnType || param.typeAnnotation || param.optional || param.trailingComments;
 }
 const object = {};
 const hasOwnProperty = object.hasOwnProperty;
 const forOwn = (object, callback) => {
 for (const key in object) {
 if (hasOwnProperty.call(object, key)) {
 callback(key, object[key]);
 }
 }
 };
 const extend = (destination, source) => {
 if (!source) {
 return destination;
 }
 forOwn(source, (key, value) => {
 destination[key] = value;
 });
 return destination;
 };
 const forEach = (array, callback) => {
 const length = array.length;
 let index = -1;
 while (++index < length) {
 callback(array[index]);
 }
 };
 const toString = object.toString;
 const isArray = Array.isArray;
 const isBuffer = Buffer.isBuffer;
 const isObject = (value) => {
 // This is a very simple check, but it's good enough for what we need.
 return toString.call(value) === '[object Object]';
 };
 const isString = (value) => {
 return typeof value === 'string' || toString.call(value) === '[object String]';
 };
 const isNumber = (value) => {
 return typeof value === 'number' || toString.call(value) === '[object Number]';
 };
 const isFunction = (value) => {
 return typeof value === 'function';
 };
 const isMap = (value) => {
 return toString.call(value) === '[object Map]';
 };
 const isSet = (value) => {
 return toString.call(value) === '[object Set]';
 };
 const singleEscapes = {
 "'": "'",
 '"': '"',
 '\\b': '\\b',
 '\\f': '\\f',
 '\\n': '\\n',
 '\\r': '\\r',
 '\\t': '\\t',
 '\\v': '\\v'
 };
 // is omitted intentionally, because in IE < 9, '\\v' === 'v'.
 const regexSingleEscape = /["'\\\b\\f\\n\\r\\t\\v]/;
 const regexDigit = /[0-9]/;
 const regexWhitelist = /[!#-&\\(-[\\]_a~]/;
 const jsesc = (argument, options) => {
 const increaseIndentation = () => {
 indent += options.indentLevel;
 indent = options.indent.repeat(options.indentLevel);
 };
 // Handle options
 const defaults = {
 escapeEverything:

```



[illegible]

```

TypeofTypeAnnotation;\nexports.TypeAlias
= TypeAlias;\nexports.TypeAnnotation = TypeAnnotation;\nexports.TypeParameterDeclaration =
exports.TypeParameterInstantiation = TypeParameterInstantiation;\nexports.TypeParameter =
TypeParameter;\nexports.OpaqueType = OpaqueType;\nexports.ObjectTypeAnnotation =
ObjectTypeAnnotation;\nexports.ObjectTypeInternalSlot =
ObjectTypeInternalSlot;\nexports.ObjectTypeCallProperty = ObjectTypeCallProperty;\nexports.ObjectTypeIndexer
= ObjectTypeIndexer;\nexports.ObjectTypeProperty = ObjectTypeProperty;\nexports.ObjectTypeSpreadProperty =
ObjectTypeSpreadProperty;\nexports.QualifiedTypeIdentifier =
QualifiedTypeIdentifier;\nexports.SymbolTypeAnnotation =
SymbolTypeAnnotation;\nexports.UnionTypeAnnotation = UnionTypeAnnotation;\nexports.TypeCastExpression =
TypeCastExpression;\nexports.Variance = Variance;\nexports.VoidTypeAnnotation =
VoidTypeAnnotation;\nObject.defineProperty(exports, 'NumberLiteralTypeAnnotation', {\n enumerable: true,\n get: function () {\n return _types2.NumericLiteral;\n }\n});\nObject.defineProperty(exports, 'StringLiteralTypeAnnotation', {\n enumerable: true,\n get: function () {\n return _types2.StringLiteral;\n }\n});\n\nvar t = _interopRequireWildcard(require('@babel/types'));\n\nvar _modules = require('./modules');\n\nvar _types2 = require('./types');\n\n\nfunction _getRequireWildcardCache() {\n if (typeof WeakMap !== 'function') return null; var cache = new WeakMap(); _getRequireWildcardCache =\n function () { return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) {\n if (obj &&\n obj.__esModule) { return obj; }\n if (obj === null || typeof obj !== 'object' && typeof obj !== 'function') {\n return {\n default: obj\n }; }\n var cache = _getRequireWildcardCache();\n if (cache && cache.has(obj)) {\n return cache.get(obj);\n }\n var newObj = {};\n var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;\n for (var key in obj) {\n if (Object.prototype.hasOwnProperty.call(obj, key)) {\n var desc =\n hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;\n if (desc && (desc.get || desc.set)) {\n Object.defineProperty(newObj, key, desc);\n } else {\n newObj[key] = obj[key];\n }\n }\n }\n newObj.default = obj;\n if (cache) {\n cache.set(obj, newObj);\n }\n return newObj;\n}\n\nfunction AnyTypeAnnotation() {\n this.word('any');\n}\n\nfunction ArrayTypeAnnotation(node) {\n this.print(node.elementType, node);\n this.token('[');\n this.token(']');\n}\n\nfunction BooleanTypeAnnotation() {\n this.word('boolean');\n}\n\nfunction BooleanLiteralTypeAnnotation(node) {\n this.word(node.value ? 'true' :\n 'false');\n}\n\nfunction NullLiteralTypeAnnotation() {\n this.word('null');\n}\n\nfunction DeclareClass(node,\n parent) {\n if (!it.isDeclareExportDeclaration(parent)) {\n this.word('declare');\n this.space();\n }\n this.word('class');\n this.space();\n this._interfaceish(node);\n}\n\nfunction DeclareFunction(node, parent) {\n if (!it.isDeclareExportDeclaration(parent))\n {\n this.word('declare');\n this.space();\n }\n this.word('function');\n this.space();\n this.print(node.id,\n node);\n this.print(node.id.typeAnnotation.typeAnnotation, node);\n if (node.predicate) {\n this.space();\n this.print(node.predicate, node);\n }\n this.semicolon();\n}\n\nfunction InferredPredicate() {\n this.token('%');\n this.word('checks');\n}\n\nfunction DeclaredPredicate(node) {\n this.token('%');\n this.word('checks');\n this.token('(');\n this.print(node.value, node);\n this.token(')');\n}\n\nfunction DeclareInterface(node) {\n this.word('declare');\n this.space();\n this.InterfaceDeclaration(node);\n}\n\nfunction DeclareModule(node) {\n this.word('declare');\n this.space();\n this.word('module');\n this.space();\n this.print(node.id, node);\n this.space();\n this.print(node.body, node);\n}\n\nfunction\n DeclareModuleExports(node) {\n this.word('declare');\n this.space();\n this.word('module');\n this.token('.');\n this.word('exports');\n this.print(node.typeAnnotation, node);\n }\n\nfunction\n DeclareTypeAlias(node) {\n this.word('declare');\n this.space();\n this.TypeAlias(node);\n }\n\nfunction\n DeclareOpaqueType(node, parent) {\n if (!it.isDeclareExportDeclaration(parent)) {\n this.word('declare');\n this.space();\n }\n this.OpaqueType(node);\n }\n\nfunction DeclareVariable(node, parent) {\n if\n (!it.isDeclareExportDeclaration(parent)) {\n this.word('declare');\n this.space();\n }\n this.word('var');\n this.space();\n this.print(node.id, node);\n this.print(node.id.typeAnnotation, node);\n this.semicolon();\n }\n\nfunction DeclareExportDeclaration(node) {\n this.word('declare');\n this.space();\n
```



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this.word("\export");\n this.space();\n\n if (node.default) {\n this.word("\default");\n this.space();\n }\n\n FlowExportDeclaration.apply(this, arguments);\n}\n\nfunction DeclareExportAllDeclaration() {\n
this.word("\declare");\n
 this.space();\n\n _modules.ExportAllDeclaration.apply(this, arguments);\n}\n\nfunction EnumDeclaration(node)
{\n const {\n id,\n body\n } = node;\n this.word("\enum");\n this.space();\n this.print(id, node);\n
this.print(body, node);\n}\n\nfunction enumExplicitType(context, name, hasExplicitType) {\n if (hasExplicitType)
{\n context.space();\n context.word("\of");\n context.space();\n context.word(name);\n }\n\n
context.space();\n}\n\nfunction enumBody(context, node) {\n const {\n members\n } = node;\n
context.token("{");\n context.indent();\n context.newline();\n\n for (const member of members) {\n
context.print(member, node);\n context.newline();\n }\n\n context.dedent();\n
context.token("}");\n}\n\nfunction EnumBooleanBody(node) {\n const {\n explicitType\n } = node;\n
enumExplicitType(this, "\boolean", explicitType);\n enumBody(this, node);\n}\n\nfunction
EnumNumberBody(node) {\n const {\n explicitType\n } = node;\n
enumExplicitType(this, "\number", explicitType);\n enumBody(this, node);\n}\n\nfunction
EnumStringBody(node) {\n const {\n explicitType\n } = node;\n enumExplicitType(this, "\string",
explicitType);\n enumBody(this, node);\n}\n\nfunction EnumSymbolBody(node) {\n enumExplicitType(this,
"\symbol", true);\n enumBody(this, node);\n}\n\nfunction EnumDefaultedMember(node) {\n const {\n id\n } =
node;\n this.print(id, node);\n this.token(",");\n}\n\nfunction enumInitializedMember(context, node) {\n const {\n
id,\n init\n } = node;\n context.print(id, node);\n context.space();\n context.token("=");\n context.space();\n
context.print(init, node);\n context.token(",");\n}\n\nfunction EnumBooleanMember(node) {\n
enumInitializedMember(this, node);\n}\n\nfunction EnumNumberMember(node) {\n enumInitializedMember(this,
node);\n}\n\nfunction EnumStringMember(node) {\n enumInitializedMember(this, node);\n}\n\nfunction
FlowExportDeclaration(node) {\n if (node.declaration)
{\n const declar = node.declaration;\n this.print(declar, node);\n if (!t.isStatement(declar)) this.semicolon();\n
} else {\n this.token("{");\n\n if (node.specifiers.length) {\n this.space();\n this.printList(node.specifiers,
node);\n this.space();\n }\n\n this.token("}");\n\n if (node.source) {\n this.space();\n
this.word("\from");\n this.space();\n this.print(node.source, node);\n }\n\n this.semicolon();\n
}\n}\n\nfunction ExistsTypeAnnotation() {\n this.token("*");\n}\n\nfunction FunctionTypeAnnotation(node,
parent) {\n this.print(node.typeParameters, node);\n this.token("(");\n this.printList(node.params, node);\n\n if
(node.rest) {\n if (node.params.length) {\n this.token(",");\n this.space();\n }\n\n this.token("\...");\n
this.print(node.rest, node);\n }\n\n this.token(")");\n\n if (parent.type === "\ObjectTypeCallProperty" ||
parent.type === "\DeclareFunction"
|| parent.type === "\ObjectTypeProperty" && parent.method) {\n this.token(":");\n } else {\n this.space();\n
this.token("\>");\n }\n\n this.space();\n this.print(node.returnType, node);\n}\n\nfunction
FunctionTypeParam(node) {\n this.print(node.name, node);\n if (node.optional) this.token("?");\n\n if
(node.name) {\n this.token(":");\n this.space();\n }\n\n this.print(node.typeAnnotation, node);\n}\n\nfunction
InterfaceExtends(node) {\n this.print(node.id, node);\n this.print(node.typeParameters, node);\n}\n\nfunction
_interfaceish(node) {\n this.print(node.id, node);\n this.print(node.typeParameters, node);\n\n if
(node.extends.length) {\n this.space();\n this.word("\extends");\n this.space();\n this.printList(node.extends,
node);\n }\n\n if (node.mixins && node.mixins.length) {\n this.space();\n this.word("\mixins");\n
this.space();\n this.printList(node.mixins, node);\n }\n\n if (node.implements && node.implements.length)
{\n this.space();\n this.word("\implements");\n this.space();\n this.printList(node.implements, node);\n
}\n\n this.space();\n this.print(node.body, node);\n}\n\nfunction _variance(node) {\n if (node.variance) {\n if
(node.variance.kind === "\plus") {\n this.token("+");\n } else if (node.variance.kind === "\minus") {\n
this.token("-");\n }\n }\n}\n\nfunction InterfaceDeclaration(node) {\n this.word("\interface");\n
this.space();\n\n this._interfaceish(node);\n}\n\nfunction andSeparator() {\n this.space();\n this.token("&");\n
this.space();\n}\n\nfunction InterfaceTypeAnnotation(node) {\n this.word("\interface");\n\n if (node.extends &&
node.extends.length) {\n this.space();\n this.word("\extends");\n this.space();\n this.printList(node.extends,

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node);\n }\n\n this.space();\n this.print(node.body, node);\n}\n\nfunction IntersectionTypeAnnotation(node) {\n
this.printJoin(node.types, node, {\n separator:
 andSeparator\n });\n}\n\nfunction MixedTypeAnnotation() {\n this.word("mixed");\n}\n\nfunction
EmptyTypeAnnotation() {\n this.word("empty");\n}\n\nfunction NullableTypeAnnotation(node) {\n
this.token("?");\n this.print(node.typeAnnotation, node);\n}\n\nfunction NumberTypeAnnotation() {\n
this.word("number");\n}\n\nfunction StringTypeAnnotation() {\n this.word("string");\n}\n\nfunction
ThisTypeAnnotation() {\n this.word("this");\n}\n\nfunction TupleTypeAnnotation(node) {\n this.token("[");\n
this.printList(node.types, node);\n this.token("]");\n}\n\nfunction TypeofTypeAnnotation(node) {\n
this.word("typeof");\n this.space();\n this.print(node.argument, node);\n}\n\nfunction TypeAlias(node) {\n
this.word("type");\n this.space();\n this.print(node.id, node);\n this.print(node.typeParameters, node);\n
this.space();\n this.token("=");\n this.space();\n this.print(node.right, node);\n this.semicolon();\n}\n\nfunction
TypeAnnotation(node) {\n
 this.token(":");\n this.space();\n if (node.optional) this.token("?");\n this.print(node.typeAnnotation,
node);\n}\n\nfunction TypeParameterInstantiation(node) {\n this.token("<");\n this.printList(node.params, node,
{});\n this.token(">");\n}\n\nfunction TypeParameter(node) {\n this._variance(node);\n\n
this.word(node.name);\n\n if (node.bound) {\n this.print(node.bound, node);\n } \n\n if (node.default) {\n
this.space();\n this.token("=");\n this.space();\n this.print(node.default, node);\n } \n}\n\nfunction
OpaqueType(node) {\n this.word("opaque");\n this.space();\n this.word("type");\n this.space();\n
this.print(node.id, node);\n this.print(node.typeParameters, node);\n\n if (node.supertype) {\n this.token(":");\n
this.space();\n this.print(node.supertype, node);\n } \n\n if (node.impltype) {\n this.space();\n
this.token("=");\n this.space();\n this.print(node.impltype, node);\n } \n\n this.semicolon();\n}\n\nfunction
ObjectTypeAnnotation(node) {\n if (node.exact) {\n this.token("{");\n } else {\n this.token("{}");\n } \n\n
const props = node.properties.concat(node.callProperties || [], node.indexers || [], node.internalSlots || []);\n\n if
(props.length) {\n this.space();\n this.printJoin(props, node, {\n addNewlines(leading) {\n if (leading &&
!props[0]) return 1;\n },\n indent: true,\n statement: true,\n iterator: () => {\n if (props.length !==
1 || node.inexact) {\n this.token(",");\n this.space();\n } \n });\n this.space();\n } \n\n if
(node.inexact) {\n this.indent();\n this.token("...");\n\n if (props.length) {\n this.newline();\n } \n\n
this.dedent();\n } \n\n if (node.exact) {\n this.token("}");\n } else {\n this.token("\n");\n } \n}\n\nfunction
ObjectTypeInternalSlot(node) {\n if (node.static) {\n this.word("static");\n this.space();\n
 } \n\n this.token("[");\n this.token("\n");\n this.print(node.id, node);\n this.token("]");\n this.token("\n");\n if
(node.optional) this.token("?");\n\n if (!node.method) {\n this.token(":");\n this.space();\n } \n\n
this.print(node.value, node);\n}\n\nfunction ObjectTypeCallProperty(node) {\n if (node.static) {\n
this.word("static");\n this.space();\n } \n\n this.print(node.value, node);\n}\n\nfunction ObjectTypeIndexer(node)
{\n if (node.static) {\n this.word("static");\n this.space();\n } \n\n this._variance(node);\n\n
this.token("[");\n\n if (node.id) {\n this.print(node.id, node);\n this.token(":");\n this.space();\n } \n\n
this.print(node.key, node);\n this.token("]");\n this.token("\n");\n this.space();\n this.print(node.value,
node);\n}\n\nfunction ObjectTypeProperty(node) {\n if (node.proto) {\n this.word("proto");\n this.space();\n
 } \n\n if (node.static) {\n this.word("static");\n this.space();\n } \n\n if (node.kind === "get" || node.kind === "set") {\n
this.word(node.kind);\n this.space();\n } \n\n
this._variance(node);\n\n this.print(node.key, node);\n if (node.optional) this.token("?");\n\n if (!node.method)
{\n this.token(":");\n this.space();\n } \n\n this.print(node.value, node);\n}\n\nfunction
ObjectTypeSpreadProperty(node) {\n this.token("...");\n this.print(node.argument, node);\n}\n\nfunction
QualifiedTypeIdentifier(node) {\n this.print(node.qualification, node);\n this.token(".");\n this.print(node.id,
node);\n}\n\nfunction SymbolTypeAnnotation() {\n this.word("symbol");\n}\n\nfunction orSeparator() {\n
this.space();\n this.token("|");\n this.space();\n}\n\nfunction UnionTypeAnnotation(node) {\n
this.printJoin(node.types, node, {\n separator: orSeparator\n });\n}\n\nfunction TypeCastExpression(node) {\n
this.token("(");\n this.print(node.expression, node);\n this.print(node.typeAnnotation, node);\n
this.token(")");\n}\n\nfunction

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```

Variance(node) {\n if (node.kind === \"plus\") {\n this.token(\"+\");\n } else {\n this.token(\"-\");\n }\n}\n\nfunction VoidTypeAnnotation() {\n this.word(\"void\");\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.File =
File;\nexports.Program = Program;\nexports.BlockStatement = BlockStatement;\nexports.Noop =
Noop;\nexports.Directive = Directive;\nexports.DirectiveLiteral = DirectiveLiteral;\nexports.InterpreterDirective =
InterpreterDirective;\nexports.Placeholder = Placeholder;\n\nfunction File(node) {\n if (node.program) {\n
this.print(node.program.interpreter, node);\n }\n\n this.print(node.program, node);\n}\n\nfunction Program(node)
{\n this.printInnerComments(node, false);\n this.printSequence(node.directives, node);\n if (node.directives &&
node.directives.length) this.newline();\n this.printSequence(node.body, node);\n}\n\nfunction
BlockStatement(node) {\n var _node$directives;\n
this.token(\"{\");\n this.printInnerComments(node);\n const hasDirectives = (_node$directives = node.directives)
== null ? void 0 : _node$directives.length;\n\n if (node.body.length || hasDirectives) {\n this.newline();\n
this.printSequence(node.directives, node, {\n indent: true\n });\n if (hasDirectives) this.newline();\n
this.printSequence(node.body, node, {\n indent: true\n });\n this.removeTrailingNewline();\n
this.source(\"end\", node.loc);\n if (!this.endsWith(\"\\n\")) this.newline();\n this.rightBrace();\n } else {\n
this.source(\"end\", node.loc);\n this.token(\"}\");\n }\n}\n\nfunction Noop() {} \n\nfunction Directive(node) {\n
this.print(node.value, node);\n this.semicolon();\n}\n\nconst unescapedSingleQuoteRE =
/(?^[^\\\\\\\"])(?:\\\\\\\\\\\\\\\\)*;/;\nconst unescapedDoubleQuoteRE =
/(?^[^\\\\\\\"])(?:\\\\\\\\\\\\\\\\)*\";/;\n\nfunction
DirectiveLiteral(node) {\n const raw = this.getPossibleRaw(node);\n\n if (raw != null) {\n
this.token(raw);\n return;\n }\n\n const {\n value\n } = node;\n\n if (!unescapedDoubleQuoteRE.test(value))
{\n this.token(`\"${value}\"`);\n } else if (!unescapedSingleQuoteRE.test(value)) {\n this.token(`'${value}'`);\n
} else {\n throw new Error(\"Malformed AST: it is not possible to print a directive containing\" + \" \" both
unescaped single and double quotes.\");\n }\n}\n\nfunction InterpreterDirective(node) {\n
this.token(`#${node.value}\\n`);\n}\n\nfunction Placeholder(node) {\n this.token(\"%%\");\n
this.print(node.name);\n this.token(\"%%\");\n\n if (node.expectedNode === \"Statement\") {\n
this.semicolon();\n }\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\nexports.JSXAttribute = JSXAttribute;\nexports.JSXIdentifier =
JSXIdentifier;\nexports.JSXNamespacedName = JSXNamespacedName;\nexports.JSXMemberExpression =
JSXMemberExpression;\nexports.JSXSpreadAttribute = JSXSpreadAttribute;\nexports.JSXExpressionContainer
= JSXExpressionContainer;\nexports.JSXSpreadChild = JSXSpreadChild;\nexports.JSXText =
JSXText;\nexports.JSXElement = JSXElement;\nexports.JSXOpeningElement =
JSXOpeningElement;\nexports.JSXClosingElement = JSXClosingElement;\nexports.JSXEmptyExpression =
JSXEmptyExpression;\nexports.JSXFragment = JSXFragment;\nexports.JSXOpeningFragment =
JSXOpeningFragment;\nexports.JSXClosingFragment = JSXClosingFragment;\n\nfunction JSXAttribute(node) {\n
this.print(node.name, node);\n\n if (node.value) {\n this.token(\"=\");\n this.print(node.value, node);\n
}\n}\n\nfunction JSXIdentifier(node) {\n this.word(node.name);\n}\n\nfunction JSXNamespacedName(node) {\n
this.print(node.namespace, node);\n this.token(\":\");\n this.print(node.name, node);\n}\n\nfunction
JSXMemberExpression(node) {\n this.print(node.object, node);\n this.token(\".\");\n this.print(node.property,
node);\n}\n\nfunction JSXSpreadAttribute(node) {\n this.token(\"{\");\n this.token(\"...\");\n
this.print(node.argument,
node);\n this.token(\"}\");\n}\n\nfunction JSXExpressionContainer(node) {\n this.token(\"{\");\n
this.print(node.expression, node);\n this.token(\"}\");\n}\n\nfunction JSXSpreadChild(node) {\n this.token(\"{\");\n
this.token(\"...\");\n this.print(node.expression, node);\n this.token(\"}\");\n}\n\nfunction JSXText(node) {\n const
raw = this.getPossibleRaw(node);\n\n if (raw != null) {\n this.token(raw);\n } else {\n this.token(node.value);\n
}\n}\n\nfunction JSXElement(node) {\n const open = node.openingElement;\n this.print(open, node);\n if
(open.selfClosing) return;\n this.indent();\n\n for (const child of node.children) {\n this.print(child, node);\n
}\n\n this.dedent();\n this.print(node.closingElement, node);\n}\n\nfunction spaceSeparator() {\n
this.space();\n}\n\nfunction JSXOpeningElement(node) {\n this.token(\"<\");\n this.print(node.name, node);\n
}

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this.print(node.typeParameters, node);\n\n if (node.attributes.length > 0)
 {\n this.space();\n this.printJoin(node.attributes, node, {\n separator: spaceSeparator\n });\n }\n\n if
(node.selfClosing) {\n this.space();\n this.token('</>');\n } else {\n this.token('<');\n }\n}\n\nfunction
JSXClosingElement(node) {\n this.token('</>');\n this.print(node.name, node);\n this.token('>');\n }\n\nfunction
JSXEmptyExpression(node) {\n this.printInnerComments(node);\n }\n\nfunction JSXFragment(node) {\n
this.print(node.openingFragment, node);\n this.indent();\n\n for (const child of node.children) {\n this.print(child,
node);\n }\n\n this.dedent();\n this.print(node.closingFragment, node);\n }\n\nfunction JSXOpeningFragment() {\n
this.token('<');\n this.token('>');\n }\n\nfunction JSXClosingFragment() {\n this.token('<');\n
this.token('>');\n }\n\nObject.defineProperty(exports, '__esModule', {\n value:
true\n});\n\nexports.TSTypeAnnotation = TSTypeAnnotation;\nexports.TSTypeParameterDeclaration =
exports.TSTypeParameterInstantiation = TSTypeParameterInstantiation;\nexports.TSTypeParameter =
TSTypeParameter;\nexports.TSParameterProperty = TSParameterProperty;\nexports.TSDeclareFunction =
TSDeclareFunction;\nexports.TSDeclareMethod = TSDeclareMethod;\nexports.TSQualifiedName =
TSQualifiedName;\nexports.TSCallSignatureDeclaration =
TSCallSignatureDeclaration;\nexports.TSConstructSignatureDeclaration =
TSConstructSignatureDeclaration;\nexports.TSPropertySignature =
TSPropertySignature;\nexports.tsPrintPropertyOrMethodName =
tsPrintPropertyOrMethodName;\nexports.TSMethodSignature = TSMethodSignature;\nexports.TSIndexSignature =
TSIndexSignature;\nexports.TSAnyKeyword = TSAnyKeyword;\nexports.TSBigIntKeyword =
TSBigIntKeyword;\nexports.TSUnknownKeyword = TSUnknownKeyword;\nexports.TSNumberKeyword =
TSNumberKeyword;\nexports.TSObjectKeyword = TSObjectKeyword;\nexports.TSBooleanKeyword =
TSBooleanKeyword;\nexports.TSStringKeyword = TSStringKeyword;\nexports.TSSymbolKeyword =
TSSymbolKeyword;\nexports.TSVoidKeyword =
TSVoidKeyword;\nexports.TSUndefinedKeyword = TSUndefinedKeyword;\nexports.TSNullKeyword =
TSNullKeyword;\nexports.TSNeverKeyword = TSNeverKeyword;\nexports.TSIntrinsicKeyword =
TSIntrinsicKeyword;\nexports.TSThisType = TSThisType;\nexports.TSFunctionType =
TSFunctionType;\nexports.TSConstructorType = TSConstructorType;\nexports.tsPrintFunctionOrConstructorType =
tsPrintFunctionOrConstructorType;\nexports.TSTypeReference = TSTypeReference;\nexports.TSTypePredicate =
TSTypePredicate;\nexports.TSTypeQuery = TSTypeQuery;\nexports.TSTypeLiteral =
TSTypeLiteral;\nexports.tsPrintTypeLiteralOrInterfaceBody =
tsPrintTypeLiteralOrInterfaceBody;\nexports.tsPrintBraced = tsPrintBraced;\nexports.TSArrayType =
TSArrayType;\nexports.TSTupleType = TSTupleType;\nexports.TSOptionalType =
TSOptionalType;\nexports.TSRestType = TSRestType;\nexports.TSNamedTupleMember =
TSNamedTupleMember;\nexports.TSUnionType = TSUnionType;\nexports.TSIntersectionType =
TSIntersectionType;\nexports.tsPrintUnionOrIntersectionType =
tsPrintUnionOrIntersectionType;\nexports.TSConditionalType = TSConditionalType;\nexports.TSInferType =
TSInferType;\nexports.TSParenthesizedType = TSParenthesizedType;\nexports.TSTypeOperator =
TSTypeOperator;\nexports.TSIndexedAccessType = TSIndexedAccessType;\nexports.TSMappedType =
TSMappedType;\nexports.TSLiteralType = TSLiteralType;\nexports.TSExpressionWithTypeArguments =
TSExpressionWithTypeArguments;\nexports.TSInterfaceDeclaration =
TSInterfaceDeclaration;\nexports.TSInterfaceBody = TSInterfaceBody;\nexports.TSTypeAliasDeclaration =
TSTypeAliasDeclaration;\nexports.TSAsExpression = TSAsExpression;\nexports.TSTypeAssertion =
TSTypeAssertion;\nexports.TSEnumDeclaration = TSEnumDeclaration;\nexports.TSEnumMember =
TSEnumMember;\nexports.TSModuleDeclaration = TSModuleDeclaration;\nexports.TSModuleBlock =
TSModuleBlock;\nexports.TSImportType = TSImportType;\nexports.TSImportEqualsDeclaration =
TSImportEqualsDeclaration;\nexports.TSExternalModuleReference =
TSExternalModuleReference;\nexports.TSNonNullExpression =
TSNonNullExpression;\nexports.TSExportAssignment =

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TSExportAssignment;\nexports.TSNamespaceExportDeclaration =
TSNamespaceExportDeclaration;\nexports.tsPrintSignatureDeclarationBase =
tsPrintSignatureDeclarationBase;\nexports.tsPrintClassMemberModifiers =
tsPrintClassMemberModifiers;\n\nfunction TSTypeAnnotation(node) {\n this.token("<");\n this.space();\n if
(node.optional) this.token("?");\n this.print(node.typeAnnotation, node);\n}\n\nfunction
TSTypeParameterInstantiation(node) {\n this.token("<");\n this.printList(node.params, node, {});\n
this.token(">");\n}\n\nfunction TSTypeParameter(node) {\n this.word(node.name);\n if (node.constraint) {\n
this.space();\n this.word("extends");\n this.space();\n this.print(node.constraint, node);\n }\n if
(node.default) {\n this.space();\n this.token("=");\n this.space();\n this.print(node.default, node);\n
}\n}\n\nfunction
TSParameterProperty(node) {\n if (node.accessibility) {\n this.word(node.accessibility);\n this.space();\n }\n
if (node.readonly) {\n this.word("readonly");\n this.space();\n }\n\n this._param(node.parameter);\n}\n\nfunction TSDeclareFunction(node) {\n if (node.declare) {\n
this.word("declare");\n this.space();\n }\n\n this._functionHead(node);\n this.token(";");\n}\n\nfunction
TSDeclareMethod(node) {\n this._classMethodHead(node);\n this.token(";");\n}\n\nfunction
TSQualifiedName(node) {\n this.print(node.left, node);\n this.token(".");\n this.print(node.right,
node);\n}\n\nfunction TSCallSignatureDeclaration(node) {\n this.tsPrintSignatureDeclarationBase(node);\n
this.token("(");\n}\n\nfunction TSConstructSignatureDeclaration(node) {\n this.word("new");\n this.space();\n
this.tsPrintSignatureDeclarationBase(node);\n this.token("(");\n}\n\nfunction TSPropertySignature(node) {\n
const {\n readonly,\n initializer\n} = node;\n\n if (readonly) {\n this.word("readonly");\n this.space();\n }\n\n
this.tsPrintPropertyOrMethodName(node);\n this.print(node.typeAnnotation, node);\n\n if (initializer) {\n
this.space();\n this.token("=");\n this.space();\n this.print(initializer, node);\n }\n\n this.token(";");\n}\n\nfunction tsPrintPropertyOrMethodName(node) {\n if (node.computed) {\n
this.token("[");\n }\n\n this.print(node.key, node);\n\n if (node.computed) {\n this.token("]");\n }\n\n if
(node.optional) {\n this.token("?");\n }\n}\n\nfunction TSMethodSignature(node) {\n
this.tsPrintPropertyOrMethodName(node);\n this.tsPrintSignatureDeclarationBase(node);\n this.token(";");\n}\n\nfunction TSIndexSignature(node) {\n const {\n readonly\n} = node;\n\n if (readonly) {\n
this.word("readonly");\n this.space();\n }\n\n this.token("[");\n\n this._parameters(node.parameters,
node);\n\n this.token("]");\n this.print(node.typeAnnotation,
node);\n this.token(";");\n}\n\nfunction TSAnyKeyword() {\n this.word("any");\n}\n\nfunction
TSBigIntKeyword() {\n this.word("bigint");\n}\n\nfunction TSUnknownKeyword() {\n
this.word("unknown");\n}\n\nfunction TSNumberKeyword() {\n this.word("number");\n}\n\nfunction
TSObjectKeyword() {\n this.word("object");\n}\n\nfunction TSBooleanKeyword() {\n
this.word("boolean");\n}\n\nfunction TSStringKeyword() {\n this.word("string");\n}\n\nfunction
TSSymbolKeyword() {\n this.word("symbol");\n}\n\nfunction TSVoidKeyword() {\n
this.word("void");\n}\n\nfunction TSUndefinedKeyword() {\n this.word("undefined");\n}\n\nfunction
TSNullKeyword() {\n this.word("null");\n}\n\nfunction TSNeverKeyword() {\n
this.word("never");\n}\n\nfunction TSIntrinsicKeyword() {\n this.word("intrinsic");\n}\n\nfunction
TSThisType() {\n this.word("this");\n}\n\nfunction TSFunctionType(node) {\n
this.tsPrintFunctionOrConstructorType(node);\n}\n\nfunction TSConstructorType(node)
{\n this.word("new");\n this.space();\n this.tsPrintFunctionOrConstructorType(node);\n}\n\nfunction
tsPrintFunctionOrConstructorType(node) {\n const {\n typeParameters,\n parameters\n} = node;\n
this.print(typeParameters, node);\n this.token("(");\n\n this._parameters(parameters, node);\n\n this.token(")");\n
this.space();\n this.token("=>");\n this.space();\n this.print(node.typeAnnotation.typeAnnotation,
node);\n}\n\nfunction TSTypeReference(node) {\n this.print(node.typeName, node);\n
this.print(node.typeParameters, node);\n}\n\nfunction TSTypePredicate(node) {\n if (node.asserts) {\n
this.word("asserts");\n this.space();\n }\n\n this.print(node.parameterName);\n\n if (node.typeAnnotation) {\n

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this.space();\n this.word("\'is\');\n this.space();\n this.print(node.typeAnnotation.typeAnnotation);\n
}\n}\n\nfunction TSTypeQuery(node) {\n this.word("\'typeof\");\n this.space();\n
this.print(node.exprName);\n}\n\nfunction TSTypeLiteral(node)
{\n this.tsPrintTypeLiteralOrInterfaceBody(node.members, node);\n}\n\nfunction
tsPrintTypeLiteralOrInterfaceBody(members, node) {\n this.tsPrintBraced(members, node);\n}\n\nfunction
tsPrintBraced(members, node) {\n this.token("\'{'\");\n\n if (members.length) {\n this.indent();\n
this.newline();\n\n for (const member of members) {\n this.print(member, node);\n this.newline();\n }
\n\n this.dedent();\n this.rightBrace();\n } else {\n this.token("\'{}\");\n }\n}\n\nfunction TSArrayType(node) {\n
this.print(node.elementType, node);\n this.token("\'[]\");\n}\n\nfunction TSTupleType(node) {\n this.token("\'[\");\n
this.printList(node.elementTypes, node);\n this.token("\']\");\n}\n\nfunction TSOptionalType(node) {\n
this.print(node.typeAnnotation, node);\n this.token("\'?'\");\n}\n\nfunction TSRestType(node) {\n
this.token("\'...\");\n this.print(node.typeAnnotation, node);\n}\n\nfunction TSNamedTupleMember(node) {\n
this.print(node.label, node);\n
if (node.optional) this.token("\'?'\");\n this.token("\':\");\n this.space();\n this.print(node.elementType,
node);\n}\n\nfunction TSUnionType(node) {\n this.tsPrintUnionOrIntersectionType(node, "\'|\");\n}\n\nfunction
TSIntersectionType(node) {\n this.tsPrintUnionOrIntersectionType(node, "\'&\");\n}\n\nfunction
tsPrintUnionOrIntersectionType(node, sep) {\n this.printJoin(node.types, node, {\n separator() {\n
this.space();\n this.token(sep);\n this.space();\n }\n\n });\n}\n\nfunction TSConditionalType(node) {\n
this.print(node.checkType);\n this.space();\n this.word("\'extends\");\n this.space();\n
this.print(node.extendsType);\n this.space();\n this.token("\'?'\");\n this.space();\n this.print(node.trueType);\n
this.space();\n this.token("\':\");\n this.space();\n this.print(node.falseType);\n}\n\nfunction TSInferType(node) {\n
this.token("\'infer\");\n this.space();\n this.print(node.typeParameter);\n}\n\nfunction TSParenthesizedType(node)
{\n
this.token("\'(\");\n this.print(node.typeAnnotation, node);\n this.token("\')\");\n}\n\nfunction
TSTypeOperator(node) {\n this.word(node.operator);\n this.space();\n this.print(node.typeAnnotation,
node);\n}\n\nfunction TSIndexedAccessType(node) {\n this.print(node.objectType, node);\n this.token("\'[\");\n
this.print(node.indexType, node);\n this.token("\']\");\n}\n\nfunction TSMappedType(node) {\n const {\n
nameType,\n optional,\n readonly,\n typeParameter\n } = node;\n this.token("\'{'\");\n this.space();\n\n if
(readonly) {\n tokenIfPlusMinus(this, readonly);\n this.word("\'readonly\");\n this.space();\n }\n\n
this.token("\'[\");\n this.word(typeParameter.name);\n this.space();\n this.word("\'in\");\n this.space();\n
this.print(typeParameter.constraint, typeParameter);\n\n if (nameType) {\n this.space();\n this.word("\'as\");\n
this.space();\n this.print(nameType, node);\n }\n\n this.token("\']\");\n\n if (optional) {\n tokenIfPlusMinus(this,
optional);\n this.token("\'?'\");\n }\n\n this.token("\':\");\n this.space();\n this.print(node.typeAnnotation, node);\n
this.space();\n this.token("\'}\");\n}\n\nfunction tokenIfPlusMinus(self, tok) {\n if (tok !== true) {\n
self.token(tok);\n }\n}\n\nfunction TSLiteralType(node) {\n this.print(node.literal, node);\n}\n\nfunction
TSExpressionWithTypeArguments(node) {\n this.print(node.expression, node);\n this.print(node.typeParameters,
node);\n}\n\nfunction TSInterfaceDeclaration(node) {\n const {\n declare,\n id,\n typeParameters,\n
extends: extendz,\n body\n } = node;\n\n if (declare) {\n this.word("\'declare\");\n this.space();\n }\n\n
this.word("\'interface\");\n this.space();\n this.print(id, node);\n this.print(typeParameters, node);\n\n if (extendz)
{\n this.space();\n this.word("\'extends\");\n this.space();\n this.printList(extendz, node);\n }\n\n
this.space();\n this.print(body, node);\n}\n\nfunction TSInterfaceBody(node)
{\n this.tsPrintTypeLiteralOrInterfaceBody(node.body, node);\n}\n\nfunction TSTypeAliasDeclaration(node) {\n
const {\n declare,\n id,\n typeParameters,\n typeAnnotation\n } = node;\n\n if (declare) {\n
this.word("\'declare\");\n this.space();\n }\n\n this.word("\'type\");\n this.space();\n this.print(id, node);\n
this.print(typeParameters, node);\n this.space();\n this.token("\'=\");\n this.space();\n this.print(typeAnnotation,
node);\n this.token("\';\");\n}\n\nfunction TSAsExpression(node) {\n const {\n expression,\n typeAnnotation\n
} = node;\n this.print(expression, node);\n this.space();\n this.word("\'as\");\n this.space();\n
this.print(typeAnnotation, node);\n}\n\nfunction TSTypeAssertion(node) {\n const {\n typeAnnotation,\n

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expression\n } = node;\n this.token('<');\n this.print(typeAnnotation, node);\n this.token('>');\n
this.space();\n this.print(expression, node);\n\nfunction TSEnumDeclaration(node)
{
 \n const {
 \n declare,\n \n const: isConst,\n \n id,\n \n members\n } = node;\n\n if (declare) {\n
this.word('declare');\n this.space();\n }\n\n if (isConst) {\n this.word('const');\n this.space();\n }\n\n
this.word('enum');\n this.space();\n this.print(id, node);\n this.space();\n this.tsPrintBraced(members,
node);\n }\n\nfunction TSEnumMember(node) {\n const {
 \n id,\n \n initializer\n } = node;\n this.print(id,
node);\n\n if (initializer) {\n this.space();\n this.token('=');\n this.space();\n this.print(initializer, node);\n
 }\n\n this.token(',');\n }\n\nfunction TSModuleDeclaration(node) {\n const {
 \n declare,\n \n id\n } = node;\n\n if (declare) {\n this.word('declare');\n this.space();\n }\n\n if (!node.global) {\n this.word(id.type ===
'Identifier' ? 'namespace' : 'module');\n this.space();\n }\n\n this.print(id, node);\n\n if (!node.body) {\n
this.token(';');\n return;\n }\n\n let
body = node.body;\n\n while (body.type === 'TSModuleDeclaration') {\n this.token('.');\n
this.print(body.id, body);\n body = body.body;\n }\n\n this.space();\n this.print(body, node);\n }\n\nfunction
TSModuleBlock(node) {\n this.tsPrintBraced(node.body, node);\n }\n\nfunction TSImportType(node) {\n const {
 \n argument,\n \n qualifier,\n \n typeParameters\n } = node;\n this.word('import');\n this.token('(');\n
this.print(argument, node);\n this.token(')');\n\n if (qualifier) {\n this.token('.');\n this.print(qualifier,
node);\n }\n\n if (typeParameters) {\n this.print(typeParameters, node);\n }\n }\n\nfunction
TSImportEqualsDeclaration(node) {\n const {
 \n isExport,\n \n id,\n \n moduleReference\n } = node;\n\n if
(isExport) {\n this.word('export');\n this.space();\n }\n\n this.word('import');\n this.space();\n this.print(id,
node);\n this.space();\n this.token('=');\n this.space();\n this.print(moduleReference, node);\n
this.token(';');\n }\n\nfunction TSExternalModuleReference(node) {\n this.token('require');\n
this.print(node.expression, node);\n this.token('(');\n }\n\nfunction TSNonNullExpression(node) {\n
this.print(node.expression, node);\n this.token('!');\n }\n\nfunction TSExportAssignment(node) {\n
this.word('export');\n this.space();\n this.token('=');\n this.space();\n this.print(node.expression, node);\n
this.token(';');\n }\n\nfunction TSNamespaceExportDeclaration(node) {\n this.word('export');\n this.space();\n
this.word('as');\n this.space();\n this.word('namespace');\n this.space();\n this.print(node.id,
node);\n }\n\nfunction tsPrintSignatureDeclarationBase(node) {\n const {
 \n typeParameters,\n \n parameters\n } =
node;\n this.print(typeParameters, node);\n this.token('(');\n\n this._parameters(parameters, node);\n\n
this.token(')');\n this.print(node.typeAnnotation, node);\n }\n\nfunction tsPrintClassMemberModifiers(node,
isField) {\n
 if (isField && node.declare) {\n this.word('declare');\n this.space();\n }\n\n if (node.accessibility) {\n
this.word(node.accessibility);\n this.space();\n }\n\n if (node.static) {\n this.word('static');\n this.space();\n
 }\n\n if (node.abstract) {\n this.word('abstract');\n this.space();\n }\n\n if (isField && node.readonly) {\n
this.word('readonly');\n this.space();\n }\n }\n\n \"use strict\";\n\n Object.defineProperty(exports, '__esModule',
{\n value: true\n});\n\n exports.findParent = findParent;\n exports.find = find;\n exports.getFunctionParent =
getFunctionParent;\n exports.getStatementParent = getStatementParent;\n exports.getEarliestCommonAncestorFrom =
getEarliestCommonAncestorFrom;\n exports.getDeepestCommonAncestorFrom =
getDeepestCommonAncestorFrom;\n exports.getAncestry = getAncestry;\n exports.isAncestor =
isAncestor;\n exports.isDescendant = isDescendant;\n exports.inType = inType;\n\n \nvar t =
_interopRequireWildcard(require('@babel/types'));\n\n \nvar
_index = _interopRequireDefault(require('./index'));\n\n \nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\n \nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
'function') return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\n \nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== 'object' && typeof obj !== 'function') { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?

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Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); }
else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj;
}\n\nfunction findParent(callback) {\n let path = this;\n\n while (path = path.parentPath) {\n if (callback(path))
return path;\n }\n\n return null;\n}\n\nfunction find(callback) {\n let path = this;\n\n do {\n if (callback(path))
return path;\n } while (path = path.parentPath);\n\n return null;\n}\n\nfunction getFunctionParent() {\n return
this.findParent(p => p.isFunction());\n}\n\nfunction getStatementParent() {\n let path = this;\n\n do {\n if
(!path.parentPath || Array.isArray(path.container) && path.isStatement()) {\n break;\n } else {\n path =
path.parentPath;\n }\n } while (path);\n\n if (path && (path.isProgram() || path.isFile())) {\n throw new
Error("\nFile/Program node, we can't possibly find a statement parent to this\n");\n }\n\n return path;\n}\n\nfunction
getEarliestCommonAncestorFrom(paths) {\n return this.getDeepestCommonAncestorFrom(paths,
function (deepest, i, ancestries) {\n let earliest;\n const keys = t.VISITOR_KEYS[deepest.type];\n\n for (const
ancestry of ancestries) {\n const path = ancestry[i + 1];\n\n if (!earliest) {\n earliest = path;\n
continue;\n }\n\n if (path.listKey && earliest.listKey === path.listKey) {\n if (path.key < earliest.key) {\n
earliest = path;\n continue;\n }\n }\n\n const earliestKeyIndex =
keys.indexOf(earliest.parentKey);\n const currentKeyIndex = keys.indexOf(path.parentKey);\n\n if
(earliestKeyIndex > currentKeyIndex) {\n earliest = path;\n }\n }\n\n return earliest;\n });\n}\n\nfunction
getDeepestCommonAncestorFrom(paths, filter) {\n if (!paths.length) {\n return this;\n }\n\n if (paths.length ===
1) {\n return paths[0];\n }\n\n let minDepth = Infinity;\n let lastCommonIndex, lastCommon;\n const ancestries
= paths.map(path => {\n const
ancestry = [];\n\n do {\n ancestry.unshift(path);\n } while ((path = path.parentPath) && path !== this);\n\n
if (ancestry.length < minDepth) {\n minDepth = ancestry.length;\n }\n\n return ancestry;\n });\n const first =
ancestries[0];\n\n depthLoop: for (let i = 0; i < minDepth; i++) {\n const shouldMatch = first[i];\n\n for (const
ancestry of ancestries) {\n if (ancestry[i] !== shouldMatch) {\n break depthLoop;\n }\n }\n\n
lastCommonIndex = i;\n lastCommon = shouldMatch;\n }\n\n if (lastCommon) {\n if (filter) {\n return
filter(lastCommon, lastCommonIndex, ancestries);\n } else {\n return lastCommon;\n }\n } else {\n throw
new Error("\nCouldn't find intersection\n");\n }\n}\n\nfunction getAncestry() {\n let path = this;\n const paths =
[];\n\n do {\n paths.push(path);\n } while (path = path.parentPath);\n\n return paths;\n}\n\nfunction
isAncestor(maybeDescendant) {\n return maybeDescendant.isDescendant(this);\n}\n\nfunction
isDescendant(maybeAncestor) {\n return !!this.findParent(parent => parent === maybeAncestor);\n}\n\nfunction
inType() {\n let path = this;\n\n while (path) {\n for (const type of arguments) {\n if (path.node.type === type)
return true;\n }\n\n path = path.parentPath;\n }\n\n return false;\n},"use
strict";\n\nObject.defineProperty(exports, "\n__esModule", {\n value: true\n});\n\nexports.getTypeAnnotation =
getTypeAnnotation;\n\nexports._getTypeAnnotation = _getTypeAnnotation;\n\nexports.isBaseType =
isBaseType;\n\nexports.couldBeBaseType = couldBeBaseType;\n\nexports.baseTypeStrictlyMatches =
baseTypeStrictlyMatches;\n\nexports.isGenericType = isGenericType;\n\nvar inferers =
_interopRequireWildcard(require("\n./inferers\n")); \n\nvar t =
_interopRequireWildcard(require("\n@babel/types\n")); \n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function ()
{ return cache; }; return cache; } \n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; } \n\nfunction getTypeAnnotation() {\n if (this.typeAnnotation) return
this.typeAnnotation;\n let type = this._getTypeAnnotation() || t.anyTypeAnnotation();\n if

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(t.isTypeAnnotation(type)) type = type.typeAnnotation;\n
 return this.typeAnnotation = type;\n}\n\nfunction _getTypeAnnotation() {\n var _inferer;\n\n const node =
this.node;\n\n if (!node) {\n if (this.key === \"init\" && this.parentPath.isVariableDeclarator()) {\n const
declar = this.parentPath.parentPath;\n const declarParent = declar.parentPath;\n\n if (declar.key === \"left\"
&& declarParent.isForInStatement()) {\n return t.stringTypeAnnotation();\n }\n\n if (declar.key ===
\"left\" && declarParent.isForOfStatement()) {\n return t.anyTypeAnnotation();\n }\n\n return
t.voidTypeAnnotation();\n } else {\n return;\n }\n }\n\n if (node.typeAnnotation) {\n return
node.typeAnnotation;\n }\n\n let inferer = inferers[node.type];\n\n if (inferer) {\n return inferer.call(this, node);\n
}\n\n inferer = inferers[this.parentPath.type];\n\n if ((_inferer = inferer) === null ? void 0 : _inferer.validParent) {\n
return this.parentPath.getTypeAnnotation();\n }\n}\n\nfunction
isBaseType(baseName, soft) {\n return _isBaseType(baseName, this.getTypeAnnotation(), soft);\n}\n\nfunction
_isBaseType(baseName, type, soft) {\n if (baseName === \"string\") {\n return t.isStringTypeAnnotation(type);\n
 } else if (baseName === \"number\") {\n return t.isNumberTypeAnnotation(type);\n } else if (baseName ===
\"boolean\") {\n return t.isBooleanTypeAnnotation(type);\n } else if (baseName === \"any\") {\n return
t.isAnyTypeAnnotation(type);\n } else if (baseName === \"mixed\") {\n return t.isMixedTypeAnnotation(type);\n
 } else if (baseName === \"empty\") {\n return t.isEmptyTypeAnnotation(type);\n } else if (baseName ===
\"void\") {\n return t.isVoidTypeAnnotation(type);\n } else {\n if (soft) {\n return false;\n } else {\n
throw new Error(`Unknown base type ${baseName}`);\n }\n }\n}\n\nfunction couldBeBaseType(name) {\n const
type = this.getTypeAnnotation();\n if (t.isAnyTypeAnnotation(type)) return true;\n\n if
(t.isUnionTypeAnnotation(type)) {\n for (const type2 of type.types) {\n if (t.isAnyTypeAnnotation(type2) ||
_isBaseType(name, type2, true)) {\n return true;\n }\n }\n return false;\n } else {\n return
_isBaseType(name, type, true);\n }\n}\n\nfunction baseTypeStrictlyMatches(right) {\n const left =
this.getTypeAnnotation();\n right = right.getTypeAnnotation();\n\n if (!t.isAnyTypeAnnotation(left) &&
t.isFlowBaseAnnotation(left)) {\n return right.type === left.type;\n }\n}\n\nfunction
isGenericType(genericName) {\n const type = this.getTypeAnnotation();\n return t.isGenericTypeAnnotation(type)
&& t.isIdentifier(type.id, {\n name: genericName\n });\n}\n\n\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.VariableDeclarator =
VariableDeclarator;\n\nexports.TypeCastExpression = TypeCastExpression;\n\nexports.NewExpression =
NewExpression;\n\nexports.TemplateLiteral = TemplateLiteral;\n\nexports.UnaryExpression
= UnaryExpression;\n\nexports.BinaryExpression = BinaryExpression;\n\nexports.LogicalExpression =
LogicalExpression;\n\nexports.ConditionalExpression = ConditionalExpression;\n\nexports.SequenceExpression =
SequenceExpression;\n\nexports.ParenthesizedExpression =
ParenthesizedExpression;\n\nexports.AssignmentExpression = AssignmentExpression;\n\nexports.UpdateExpression =
UpdateExpression;\n\nexports.StringLiteral = StringLiteral;\n\nexports.NumericLiteral =
NumericLiteral;\n\nexports.BooleanLiteral = BooleanLiteral;\n\nexports.NullLiteral =
NullLiteral;\n\nexports.RegExpLiteral = RegExpLiteral;\n\nexports.ObjectExpression =
ObjectExpression;\n\nexports.ArrayExpression = ArrayExpression;\n\nexports.RestElement =
RestElement;\n\nexports.ClassDeclaration = exports.ClassExpression = exports.FunctionDeclaration =
exports.ArrowFunctionExpression = exports.FunctionExpression = Func;\n\nexports.CallExpression =
CallExpression;\n\nexports.TaggedTemplateExpression =
TaggedTemplateExpression;\n\nObject.defineProperty(exports, \"Identifier\",
{\n enumerable: true,\n get: function () {\n return _infererReference.default;\n }\n});\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nvar _infererReference =
_interopRequireDefault(require(\"./inferer-reference\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache =

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_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj,
key)) { var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get
|| desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default =
obj; if (cache) { cache.set(obj, newObj); } return newObj; }

function VariableDeclarator() {
 var _type;
 const id = this.get("id");
 if (!id.isIdentifier()) return;
 const init = this.get("init");
 let type =
 init.getTypeAnnotation();
 if (((_type = type) == null ? void 0 : _type.type) === "AnyTypeAnnotation") {
 if (init.isCallExpression() && init.get("callee").isIdentifier({ name: "Array" }) &&
 !init.scope.hasBinding("Array", true)) {
 type = ArrayExpression();
 }
 }
 return type;
}

function TypeCastExpression(node) {
 return node.typeAnnotation;
}
TypeCastExpression.validParent =
true;

function NewExpression(node) {
 if (this.get("callee").isIdentifier()) {
 return
 t.genericTypeAnnotation(node.callee);
 }
}

function TemplateLiteral() {
 return t.stringTypeAnnotation();
}

function UnaryExpression(node) {
 const operator = node.operator;
 if (operator === "void") {
 return t.voidTypeAnnotation();
 } else if
 (t.NUMBER_UNARY_OPERATORS.indexOf(operator) >= 0) {
 return t.numberTypeAnnotation();
 } else if
 (t.STRING_UNARY_OPERATORS.indexOf(operator) >= 0) {
 return t.stringTypeAnnotation();
 } else if
 (t.BOOLEAN_UNARY_OPERATORS.indexOf(operator) >= 0) {
 return t.booleanTypeAnnotation();
 }
}

function BinaryExpression(node) {
 const operator = node.operator;
 if
 (t.NUMBER_BINARY_OPERATORS.indexOf(operator) >= 0) {
 return t.numberTypeAnnotation();
 } else if
 (t.BOOLEAN_BINARY_OPERATORS.indexOf(operator) >= 0) {
 return t.booleanTypeAnnotation();
 } else if
 (operator === "+") {
 const right = this.get("right");
 const left = this.get("left");
 if
 (left.isBaseType("number")
 && right.isBaseType("number")) {
 return t.numberTypeAnnotation();
 } else if
 (left.isBaseType("string") || right.isBaseType("string")) {
 return t.stringTypeAnnotation();
 }
 }
 return
 t.unionTypeAnnotation([t.stringTypeAnnotation(), t.numberTypeAnnotation()]);
}

function LogicalExpression() {
 const argumentTypes = [this.get("left").getTypeAnnotation(),
 this.get("right").getTypeAnnotation()];
 if (t.isTSTypeAnnotation(argumentTypes[0]) &&
 t.createTSUnionType) {
 return t.createTSUnionType(argumentTypes);
 }
 if (t.createFlowUnionType) {
 return t.createFlowUnionType(argumentTypes);
 }
 return
 t.createUnionTypeAnnotation(argumentTypes);
}

function ConditionalExpression() {
 const argumentTypes =
 [this.get("consequent").getTypeAnnotation(), this.get("alternate").getTypeAnnotation()];
 if
 (t.isTSTypeAnnotation(argumentTypes[0]) && t.createTSUnionType) {
 return
 t.createTSUnionType(argumentTypes);
 }
 if (t.createFlowUnionType) {
 return t.createFlowUnionType(argumentTypes);
 }
 return
 t.createUnionTypeAnnotation(argumentTypes);
}

function SequenceExpression() {
 return
 this.get("expressions").pop().getTypeAnnotation();
}

function ParenthesizedExpression() {
 return
 this.get("expression").getTypeAnnotation();
}

function AssignmentExpression() {
 return
 this.get("right").getTypeAnnotation();
}

function UpdateExpression(node) {
 const operator =
 node.operator;
 if (operator === "++" || operator === "--") {
 return t.numberTypeAnnotation();
 }
}

function StringLiteral() {
 return t.stringTypeAnnotation();
}

function NumericLiteral() {
 return
 t.numberTypeAnnotation();
}

function BooleanLiteral() {
 return t.booleanTypeAnnotation();
}

function NullLiteral() {
 return t.nullLiteralTypeAnnotation();
}

function RegExpLiteral() {
 return
 t.genericTypeAnnotation(t.identifier("RegExp"));
}

function ObjectExpression() {
 return t.genericTypeAnnotation(t.identifier("Object"));
}

function ArrayExpression() {
 return t.genericTypeAnnotation(t.identifier("Array"));
}

function RestElement() {
 return
 ArrayExpression();
}
RestElement.validParent = true;

function Func() {
 return
 t.genericTypeAnnotation(t.identifier("Function"));
}
const isArrayFrom =

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t.buildMatchMemberExpression("\Array.from");\nconst isObjectKeys =
t.buildMatchMemberExpression("\Object.keys");\nconst isObjectValues =
t.buildMatchMemberExpression("\Object.values");\nconst isObjectEntries =
t.buildMatchMemberExpression("\Object.entries");\n\nfunction CallExpression() {\n const {\n callee\n } =
this.node;\n\n if (isObjectKeys(callee)) {\n return t.arrayTypeAnnotation(t.stringTypeAnnotation());\n } else if
(isArrayFrom(callee) || isObjectValues(callee)) {\n return t.arrayTypeAnnotation(t.anyTypeAnnotation());\n }
else if (isObjectEntries(callee)) {\n return
t.arrayTypeAnnotation(t.tupleTypeAnnotation([t.stringTypeAnnotation(),
t.anyTypeAnnotation()]));\n }\n\n return resolveCall(this.get("\callee"));
}\n\nfunction
TaggedTemplateExpression() {\n return resolveCall(this.get("\tag"));
}\n\nfunction resolveCall(callee) {\n callee
= callee.resolve();\n\n if (callee.isFunction()) {\n if (callee.is("async")) {\n if (callee.is("generator")) {\n
return t.genericTypeAnnotation(t.identifier("\AsyncIterator"));
 } else {\n return
t.genericTypeAnnotation(t.identifier("Promise"));
 }\n } else {\n if (callee.node.returnType) {\n
return callee.node.returnType;\n } else {\n {\n
 }\n }\n }\n\n if (callee.is("use strict")) {\n\nObject.defineProperty(exports,
"__esModule", {\n value: true\n});\n\nexports.default = _default;\n\nvar t =
_interopRequireWildcard(require("\@babel/types");\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache
= function () { return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj &&
obj.__esModule) { return obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return
{ default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); }
var newObj = {};\n\nvar hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for
(var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {\n
Object.defineProperty(newObj, key, desc); } else {\n
newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {\n
cache.set(obj, newObj); } return newObj; }\n\nfunction _default(node) {\n if (!this.isReferenced()) return;\n const
binding = this.scope.getBinding(node.name);\n\n if (binding) {\n if (binding.identifier.typeAnnotation) {\n
return binding.identifier.typeAnnotation;\n } else {\n return
getTypeAnnotationBindingConstantViolations(binding, this, node.name);\n }\n }\n\n if (node.name ===
"undefined") {\n return t.voidTypeAnnotation();\n } else if (node.name === "NaN" || node.name ===
"Infinity") {\n return t.numberTypeAnnotation();\n } else if (node.name === "arguments") {\n\n}\n\nfunction
getTypeAnnotationBindingConstantViolations(binding, path, name) {\n const types = [];\n const
functionConstantViolations = [];\n let constantViolations = getConstantViolationsBefore(binding, path,
functionConstantViolations);\n const testType = getConditionalAnnotation(binding, path, name);\n\n if (testType) {\n
const testConstantViolations = getConstantViolationsBefore(binding, testType.ifStatement);\n
constantViolations = constantViolations.filter(path => testConstantViolations.indexOf(path) < 0);\n
types.push(testType.typeAnnotation);\n }\n\n if (constantViolations.length) {\n
const constantViolations = constantViolations.concat(functionConstantViolations);\n\n for (const violation of
constantViolations) {\n types.push(violation.getTypeAnnotation());\n }\n\n if (!types.length) {\n
return;\n }\n\n if (t.isTSTypeAnnotation(types[0]) && t.createTSUnionType) {\n return
t.createTSUnionType(types);\n }\n\n if (t.createFlowUnionType) {\n return t.createFlowUnionType(types);\n }\n\n return t.createUnionTypeAnnotation(types);\n}\n\nfunction getConstantViolationsBefore(binding, path,
functions) {\n const violations = binding.constantViolations.slice();\n violations.unshift(binding.path);\n return
violations.filter(violation => {\n violation = violation.resolve();\n\n const status =
violation._guessExecutionStatusRelativeTo(path);\n\n if (functions && status === "unknown")\n
functions.push(violation);\n return status === "before";\n });\n}\n\nfunction
inferAnnotationFromBinaryExpression(name, path) {\n const operator
= path.node.operator;\n const right = path.get("right").resolve();\n const left = path.get("left").resolve();\n let
target;\n\n if (left.isIdentifier({\n name\n })) {\n target = right;\n } else if (right.isIdentifier({\n name\n }))
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{\n target = left;\n }\n\n if (target) {\n if (operator === \"===\") {\n return target.getTypeAnnotation();\n }\n\n if (t.BOOLEAN_NUMBER_BINARY_OPERATORS.indexOf(operator) >= 0) {\n return\n t.numberTypeAnnotation();\n }\n\n return;\n }\n\n if (operator !== \"===\" && operator !== \"\") return;\n\n let typeofPath;\n let typePath;\n\n if (left.isUnaryExpression({\n operator: \"typeof\"\n })) {\n typeofPath =\n left;\n typePath = right;\n } else if (right.isUnaryExpression({\n operator: \"typeof\"\n })) {\n typeofPath =\n right;\n typePath = left;\n }\n\n if (!typeofPath) return;\n if (!typeofPath.get(\"argument\").isIdentifier({\n name\n })) return;\n typePath = typePath.resolve();\n\n if (!typePath.isLiteral()) return;\n const typeValue = typePath.node.value;\n if (typeof typeValue !== \"string\")\n return;\n return t.createTypeAnnotationBasedOnTypeof(typeValue);\n}\n\nfunction\ngetParentConditionalPath(binding, path, name) {\n let parentPath;\n\n while (parentPath = path.parentPath) {\n if\n (parentPath.isIfStatement() || parentPath.isConditionalExpression()) {\n if (path.key === \"test\") {\n return;\n }\n\n return parentPath;\n }\n\n if (parentPath.isFunction()) {\n if\n (parentPath.parentPath.scope.getBinding(name) !== binding) return;\n }\n\n path = parentPath;\n }\n}\n\nfunction getConditionalAnnotation(binding, path, name) {\n const ifStatement =\n getParentConditionalPath(binding, path, name);\n if (!ifStatement) return;\n const test = ifStatement.get(\"test\");\n const paths = [test];\n const types = [];\n\n for (let i = 0; i < paths.length; i++) {\n const path = paths[i];\n\n if\n (path.isLogicalExpression())\n {\n if (path.node.operator === \"&&\") {\n paths.push(path.get(\"left\"));\n }\n\n paths.push(path.get(\"right\"));\n }\n\n else if (path.isBinaryExpression()) {\n const type =\n inferAnnotationFromBinaryExpression(name, path);\n if (type) types.push(type);\n }\n\n if (types.length)\n {\n if (t.isTSTypeAnnotation(types[0]) && t.createTSUnionType) {\n return {\n typeAnnotation:\n t.createTSUnionType(types),\n ifStatement\n };\n }\n\n if (t.createFlowUnionType) {\n return {\n typeAnnotation:\n t.createFlowUnionType(types),\n ifStatement\n };\n }\n\n return {\n typeAnnotation:\n t.createUnionTypeAnnotation(types),\n ifStatement\n };\n }\n\n return getConditionalAnnotation(ifStatement,\n name);\n }\n\n \"use strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value:\n true\n });\n\n exports.replaceWithMultiple = replaceWithMultiple;\n exports.replaceWithSourceString =\n replaceWithSourceString;\n exports.replaceWith\n = replaceWith;\n exports._replaceWith = _replaceWith;\n exports.replaceExpressionWithStatements =\n replaceExpressionWithStatements;\n exports.replaceInline = replaceInline;\n\n \n\n var _codeFrame =\n require(\"@babel/code-frame\");\n\n \n\n var _index = _interopRequireDefault(require(\"../index\"));\n\n \n\n var _index2 =\n _interopRequireDefault(require(\"../index\"));\n\n \n\n var _parser = require(\"@babel/parser\");\n\n \n\n var t =\n _interopRequireDefault(require(\"@babel/types\"));\n\n \n\n function _getRequireWildcardCache() {\n if (typeof\n WeakMap !== \"function\") return null;\n var cache = new WeakMap();\n _getRequireWildcardCache = function () {\n return\n cache;\n };\n return cache;\n }\n\n \n\n function _interopRequireDefault(obj) {\n if (obj && obj.__esModule) {\n return\n obj;\n }\n if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") {\n return\n { default: obj };\n }\n var\n cache = _getRequireWildcardCache();\n if (cache && cache.has(obj)) {\n return\n cache.get(obj);\n }\n var\n newObj = {};\n var\n hasPropertyDescriptor\n = Object.defineProperty && Object.getOwnPropertyDescriptor;\n for (var key in obj) {\n if\n (Object.prototype.hasOwnProperty.call(obj, key)) {\n var desc = hasPropertyDescriptor ?\n Object.getOwnPropertyDescriptor(obj, key) : null;\n if (desc && (desc.get || desc.set)) {\n Object.\n defineProperty(newObj, key, desc);\n } else {\n newObj[key] = obj[key];\n }\n }\n }\n newObj.default = obj;\n if (cache) {\n cache.set(obj,\n newObj);\n }\n return\n newObj;\n }\n\n \n\n function _interopRequireDefault(obj) {\n return\n obj &&\n obj.__esModule ? obj : {\n default: obj\n };\n }\n\n \n\n const hoistVariablesVisitor = {\n Function(path) {\n path.\n skip();\n },\n\n VariableDeclaration(path) {\n if (path.\n node.kind !== \"var\") return;\n const\n bindings =\n path.getBindingIdentifiers();\n\n for (const key of Object.keys(bindings)) {\n path.\n scope.push({\n id:\n bindings[key]\n });\n }\n\n const\n exprs = [];\n\n for (const declar of path.\n node.declarations) {\n if\n (declar.init) {\n exprs.\n push(t.expressionStatement(t.assignmentExpression(\"=\",

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 declar.id, declar.init));\n }\n }\n\n path.replaceWithMultiple(exprs);\n }\n\n\nfunction
replaceWithMultiple(nodes) {\n this.resync();\n nodes = this._verifyNodeList(nodes);\n
t.inheritLeadingComments(nodes[0], this.node);\n t.inheritTrailingComments(nodes[nodes.length - 1], this.node);\n
this.node = this.container[this.key] = null;\n const paths = this.insertAfter(nodes);\n\n if (this.node) {\n
this.requeue();\n } else {\n this.remove();\n }\n\n return paths;\n}\n\nfunction
replaceWithSourceString(replacement) {\n this.resync();\n\n try {\n replacement = `${replacement}`;\n
replacement = (0, _parser.parse)(replacement);\n } catch (err) {\n const loc = err.loc;\n\n if (loc) {\n
err.message += "\n" - make sure this is an expression.\n\n" + (0, _codeFrame.codeFrameColumns)(replacement, {\n
start: {\n line: loc.line,\n column: loc.column + 1\n },\n },\n err.code
= "BABEL_REPLACE_SOURCE_ERROR");\n }\n\n throw err;\n }\n\n replacement =
replacement.program.body[0].expression;\n\n _index.default.removeProperties(replacement);\n\n return
this.replaceWith(replacement);\n}\n\n\nfunction replaceWith(replacement) {\n this.resync();\n\n if (this.removed) {\n
throw new Error("You can't replace this node, we've already removed it");\n }\n\n if (replacement instanceof
_index2.default) {\n replacement = replacement.node;\n }\n\n if (!replacement) {\n throw new Error("You
passed `path.replaceWith()` a falsy node, use `path.remove()` instead");\n }\n\n if (this.node === replacement) {\n
return [this];\n }\n\n if (this.isProgram() && !t.isProgram(replacement)) {\n throw new Error("You can only
replace a Program root node with another Program node");\n }\n\n if (Array.isArray(replacement)) {\n throw
new Error("Don't use `path.replaceWith()` with an array of nodes, use `path.replaceWithMultiple()`");\n }\n\n if
(typeof replacement === "string") {\n throw new Error("Don't use `path.replaceWith()` with a source string,
use `path.replaceWithSourceString()`");\n }\n\n let nodePath = "";\n\n if (this.isNodeType("Statement") &&
t.isExpression(replacement)) {\n if (!this.canHaveVariableDeclarationOrExpression() &&
!this.canSwapBetweenExpressionAndStatement(replacement) && !this.parentPath.isExportDefaultDeclaration())\n {\n replacement = t.expressionStatement(replacement);\n nodePath = "expression";\n }\n }\n\n if
(this.isNodeType("Expression") && t.isStatement(replacement)) {\n if
(!this.canHaveVariableDeclarationOrExpression() &&
!this.canSwapBetweenExpressionAndStatement(replacement)) {\n return
this.replaceExpressionWithStatements([replacement]);\n }\n }\n\n const oldNode = this.node;\n\n if (oldNode) {\n
t.inheritsComments(replacement, oldNode);\n t.removeComments(oldNode);\n }\n\n\nthis._replaceWith(replacement);\n\n this.type = replacement.type;\n
this.setScope();\n this.requeue();\n return [nodePath ? this.get(nodePath) : this];\n}\n\n\nfunction
_replaceWith(node) {\n if (!this.container) {\n throw new ReferenceError("Container is falsy");\n }\n\n if
(this.inList) {\n t.validate(this.parent, this.key, [node]);\n } else {\n t.validate(this.parent, this.key, node);\n
}\n\n this.debug(`Replace with ${node == null ? void 0 : node.type}`);\n this.node = this.container[this.key] =
node;\n\n\nfunction replaceExpressionWithStatements(nodes) {\n this.resync();\n const toSequenceExpression =
t.toSequenceExpression(nodes, this.scope);\n\n if (toSequenceExpression) {\n return
this.replaceWith(toSequenceExpression)[0].get("expressions");\n }\n\n const functionParent =
this.getFunctionParent();\n const isParentAsync = functionParent == null ? void 0 : functionParent.is("async");\n\n const container = t.arrowFunctionExpression([], t.blockStatement(nodes));\n
this.replaceWith(t.callExpression(container,
 []));\n this.traverse(hoistVariablesVisitor);\n const completionRecords =
this.get("callee").getCompletionRecords();\n\n for (const path of completionRecords) {\n if
(!path.isExpressionStatement()) continue;\n const loop = path.findParent(path => path.isLoop());\n\n if (loop) {\n
let uid = loop.getData("expressionReplacementReturnUid");\n\n if (!uid) {\n const callee =
this.get("callee");\n uid = callee.scope.generateDeclaredUidIdentifier("ret");\n
callee.get("body").pushContainer("body", t.returnStatement(t.cloneNode(uid)));\n
loop.setData("expressionReplacementReturnUid", uid);\n } else {\n uid = t.identifier(uid.name);\n }\n\n path.get("expression").replaceWith(t.assignmentExpression("=", t.cloneNode(uid), path.node.expression));\n
 } else {\n path.replaceWith(t.returnStatement(path.node.expression));\n }\n }\n\n const callee =

```

[illegible]

```

= \"name\"\\n else if (match[11]) token.type = \"punctuator\"\\n else if (match[12]) token.type = \"whitespace\"\\n
return token\\n\\n\", \"use strict\";\\nconst escapeStringRegexp = require('escape-string-regexp');\\nconst ansiStyles =
require('ansi-styles');\\nconst stdoutColor = require('supports-color').stdout;\\n\\nconst template =
require('./templates.js');\\n\\nconst isSimpleWindowsTerm = process.platform === 'win32' && !(process.env.TERM ||
'').toLowerCase().startsWith('xterm');\\n\\n// `supportsColor.level` `ansiStyles.color[name]` mapping\\nconst
levelMapping = ['ansi', 'ansi', 'ansi256', 'ansi16m'];\\n\\n// `color-convert` models to exclude from the Chalk API due
to conflicts and such\\nconst skipModels = new Set(['gray']);\\n\\nconst styles = Object.create(null);\\n\\nfunction
applyOptions(obj, options) {\\n\\n options = options || {};\\n\\n // Detect level if not set manually\\n const scLevel =
stdoutColor ? stdoutColor.level : 0;\\n const objLevel = options.level === undefined ? scLevel :
options.level;\\n const objEnabled =
options.enabled;\\n const enabled = 'enabled' in options ? options.enabled : objLevel > 0;\\n\\n function Chalk(options) {\\n // We check for
this.template here since calling `chalk.constructor()` by itself will have a `this` of a previously constructed chalk
object\\n if (!this || !(this instanceof Chalk) || this.template) {\\n const chalk = {};\\n applyOptions(chalk,
options);\\n chalk.template = function () {\\n const args = [].slice.call(arguments);\\n return
chalkTag.apply(null, [chalk.template].concat(args));\\n };\\n Object.setPrototypeOf(chalk,
Chalk.prototype);\\n Object.setPrototypeOf(chalk.template, chalk);\\n chalk.template.constructor =
Chalk;\\n return chalk.template;\\n }\\n applyOptions(this, options);\\n }\\n // Use bright blue on Windows as
the normal blue color is illegible\\n if (isSimpleWindowsTerm) {\\n ansiStyles.blue.open = '\\u001B[94m';\\n }\\n for
(const key of Object.keys(ansiStyles)) {\\n ansiStyles[key].closeRe = new
RegExp(escapeStringRegexp(ansiStyles[key].close),
'g');\\n styles[key] = {\\n get() {\\n const codes = ansiStyles[key];\\n return build.call(this, this._styles ?
this._styles.concat(codes) : [codes], this._empty, key);\\n },\\n visible: {\\n get() {\\n return
build.call(this, this._styles || [], true, 'visible');\\n },\\n },\\n ansiStyles.color.closeRe = new
RegExp(escapeStringRegexp(ansiStyles.color.close), 'g');\\n }\\n for (const model of Object.keys(ansiStyles.color.ansi))
{\\n if (skipModels.has(model)) {\\n continue;\\n }\\n styles[model] = {\\n get() {\\n const level =
this.level;\\n return function () {\\n const open = ansiStyles.color[levelMapping[level]][model].apply(null,
arguments);\\n const codes = {\\n topen:ansiStyles.color.close,\\n tcloseRe:
ansiStyles.color.closeRe\\n };\\n return build.call(this, this._styles ? this._styles.concat(codes) : [codes],
this._empty, model);\\n };\\n },\\n ansiStyles.bgColor.closeRe
= new RegExp(escapeStringRegexp(ansiStyles.bgColor.close), 'g');\\n for (const model of
Object.keys(ansiStyles.bgColor.ansi)) {\\n if (skipModels.has(model)) {\\n continue;\\n }\\n const bgModel =
'bg' + model[0].toUpperCase() + model.slice(1);\\n styles[bgModel] = {\\n get() {\\n const level =
this.level;\\n return function () {\\n const open = ansiStyles.bgColor[levelMapping[level]][model].apply(null,
arguments);\\n const codes = {\\n topen:ansiStyles.bgColor.close,\\n tcloseRe:
ansiStyles.bgColor.closeRe\\n };\\n return build.call(this, this._styles ? this._styles.concat(codes) : [codes],
this._empty, model);\\n };\\n },\\n const proto = Object.defineProperties(() => {}, styles);\\n function
build(_styles, _empty, key) {\\n const builder = function () {\\n return applyStyle.apply(builder,
arguments);\\n };\\n builder._styles = _styles;\\n builder._empty = _empty;\\n const
self = this;\\n Object.defineProperty(builder, 'level', {\\n enumerable: true,\\n get() {\\n return
self.level;\\n },\\n set(level) {\\n self.level = level;\\n },\\n });\\n Object.defineProperty(builder, 'enabled',
{\\n enumerable: true,\\n get() {\\n return self.enabled;\\n },\\n set(enabled) {\\n self.enabled =
enabled;\\n },\\n });\\n // See below for fix regarding invisible grey/dim combination on
Windows\\n builder.hasGrey = this.hasGrey || key === 'gray' || key === 'grey';\\n // `__proto__` is used because
we must return a function, but there is no way to create a function with a different
prototype\\n builder.__proto__ = proto; // eslint-disable-line no-proto\\n return builder;\\n }\\n function
applyStyle() {\\n // Support varargs, but simply cast to string in case there's only one arg\\n const args =
arguments;\\n const argsLen = args.length;\\n let str = String(arguments[0]);\\n if (argsLen === 0) {\\n return
\"\";\\n }\\n if

```

```
(argsLen > 1) {\n\t\t// Don't slice `arguments`, it prevents V8 optimizations\n\t\tfor (let a = 1; a < argsLen; a++)\n\t\t{\n\t\t\tstr += ' ' + args[a];\n\t\t}\n\t\tif (!this.enabled || this.level <= 0 || !str) {\n\t\t\treturn this._empty ? '' : str;\n\t\t}\n\t\t// Turns out that on Windows dimmed gray text becomes invisible in cmd.exe,\n\t\t// see https://github.com/chalk/chalk/issues/58\n\t\t// If we're on Windows and we're dealing with a gray color, temporarily\n\t\t// make 'dim' a noop.\n\t\tconst originalDim = ansiStyles.dim.open;\n\t\tif (isSimpleWindowsTerm && this.hasGrey) {\n\t\t\tansiStyles.dim.open = '';\n\t\t}\n\t\tfor (const code of this._styles.slice().reverse()) {\n\t\t\t// Replace any instances already present with a re-opening code\n\t\t\t// otherwise only the part of the string until said closing\n\t\t\t// code will be colored, and the rest will simply be 'plain'.\n\t\t\tstr = code.open + str.replace(code.close, code.open) + code.close;\n\t\t\t// Close the styling before a linebreak\n\t\t\tand reopen\n\t\t\t// after next line to fix a bleed issue on macOS\n\t\t\t// https://github.com/chalk/chalk/pull/92\n\t\t\tstr = str.replace(/\\r?\\n/g, `${code.close} ${code.open}`);\n\t\t\t// Reset the original `dim` if we changed it to work around the Windows dimmed gray issue\n\t\t\tansiStyles.dim.open = originalDim;\n\t\t}\n\t\treturn str;\n\t}\n\nfunction chalkTag(chalk, strings) {\n\tif (!Array.isArray(strings)) {\n\t\t// If chalk() was called by itself or with a string,\n\t\t// return the string itself as a string.\n\t\treturn [].slice.call(arguments, 1).join(' ');\n\t}\n\tconst args = [].slice.call(arguments, 2);\n\tconst parts = [strings.raw[0]];\n\tfor (let i = 1; i < strings.length; i++) {\n\t\tparts.push(String(args[i - 1]).replace(/\\{\\|\\}\\|/g, '\\\\$&'));\n\t\tparts.push(String(strings.raw[i]));\n\t}\n\treturn template(chalk, parts.join(''));\n}\n\nObject.defineProperties(Chalk.prototype, styles);\n\nmodule.exports = Chalk(); // eslint-disable-line new-cap\n\nmodule.exports.supportsColor =\n\n = stdoutColor;\n\nmodule.exports.default = module.exports; // For TypeScript\n\n'use strict';\n\nvar matchOperatorsRe = /[\\|\\{\\}\\[\\]\\^$*?.]/g;\n\nmodule.exports = function (str) {\n\tif (typeof str !== 'string') {\n\t\tthrow new TypeError('Expected a string');\n\t}\n\treturn str.replace(matchOperatorsRe, '\\\\$&');\n};\n\n'use strict';\n\nconst colorConvert = require('color-convert');\n\nconst wrapAnsi16 = (fn, offset) => function () {\n\tconst code = fn.apply(colorConvert, arguments);\n\treturn `\\u001B[${code + offset}m`;\n};\n\nconst wrapAnsi256 = (fn, offset) => function () {\n\tconst code = fn.apply(colorConvert, arguments);\n\treturn `\\u001B[${38 + offset};5;${code}m`;\n};\n\nconst wrapAnsi16m = (fn, offset) => function () {\n\tconst rgb = fn.apply(colorConvert, arguments);\n\treturn `\\u001B[${38 + offset};2;${rgb[0]};${rgb[1]};${rgb[2]}m`;\n};\n\nfunction assembleStyles() {\n\tconst codes = new Map();\n\tconst styles = {\n\t\tmodifier: {\n\t\t\treset: [0, 0],\n\t\t\tbold: [1, 22],\n\t\t\tdim: [2, 22],\n\t\t\titalic: [3, 23],\n\t\t\tunderline: [4, 24],\n\t\t\tinverse: [7, 27],\n\t\t\thidden: [8, 28],\n\t\t\tstrikethrough: [9, 29],\n\t\t\tcolor: {\n\t\t\t\tblack: [30, 39],\n\t\t\t\tred: [31, 39],\n\t\t\t\tgreen: [32, 39],\n\t\t\t\tyellow: [33, 39],\n\t\t\t\tblue: [34, 39],\n\t\t\t\tmagenta: [35, 39],\n\t\t\t\tcyan: [36, 39],\n\t\t\t\twhite: [37, 39],\n\t\t\t\tgray: [90, 39],\n\t\t\t\t// Bright\n\t\t\t\tredBright: [91, 39],\n\t\t\t\tgreenBright: [92, 39],\n\t\t\t\tyellowBright: [93, 39],\n\t\t\t\tblueBright: [94, 39],\n\t\t\t\tmagentaBright: [95, 39],\n\t\t\t\tcyanBright: [96, 39],\n\t\t\t\twhiteBright: [97, 39],\n\t\t\t\tbgColor: {\n\t\t\t\t\tbgBlack: [40, 49],\n\t\t\t\t\tbgRed: [41, 49],\n\t\t\t\t\tbgGreen: [42, 49],\n\t\t\t\t\tbgYellow: [43, 49],\n\t\t\t\t\tbgBlue: [44, 49],\n\t\t\t\t\tbgMagenta: [45, 49],\n\t\t\t\t\tbgCyan: [46, 49],\n\t\t\t\t\tbgWhite: [47, 49],\n\t\t\t\t\t// Bright\n\t\t\t\t\tbgBlackBright: [100, 49],\n\t\t\t\t\tbgRedBright: [101, 49],\n\t\t\t\t\tbgGreenBright: [102, 49],\n\t\t\t\t\tbgYellowBright: [103, 49],\n\t\t\t\t\tbgBlueBright: [104, 49],\n\t\t\t\t\tbgMagentaBright: [105, 49],\n\t\t\t\t\tbgCyanBright: [106, 49],\n\t\t\t\t\tbgWhiteBright: [107, 49],\n\t\t\t\t}\n\t\t}\n\t};\n\t// Fix humans\n\tstyles.color.grey = styles.color.gray;\n\tfor (const groupName of Object.keys(styles)) {\n\t\tconst group = styles[groupName];\n\t\tfor (const styleName of Object.keys(group)) {\n\t\t\tconst style = group[styleName];\n\t\t\tstyles[styleName] = {\n\t\t\t\topen: `\\u001B[${style[0]}m`,\n\t\t\t\tclose: `\\u001B[${style[1]}m`,\n\t\t\t\tgroup[styleName] = styles[styleName];\n\t\t\tstyles[styleName].set(style[0], style[1]);\n\t\t}\n\t\tObject.defineProperty(styles, groupName, {\n\t\t\tvalue: group,\n\t\t\tenumerable: false\n\t\t});\n\t\tObject.defineProperty(styles, 'codes', {\n\t\t\tvalue: codes,\n\t\t\tenumerable: false\n\t\t});\n\t}\n\tconst ansi2ansi = n => n;\n\tconst rgb2rgb = (r, g, b) => [r, g, b];\n\tstyles.color.close = `\\u001B[39m`;\n\tstyles.bgColor.close
```



```

= '\u001B[49m;\n\n\tstyles.color.ansi = {\n\t\t\tansi: wrapAnsi16(ansi2ansi, 0)\n\t};\n\tstyles.color.ansi256 =
{\n\t\t\tansi256: wrapAnsi256(ansi2ansi, 0)\n\t};\n\tstyles.color.ansi16m = {\n\t\t\trgb: wrapAnsi16m(rgb2rgb,
0)\n\t};\n\tstyles.bgColor.ansi = {\n\t\t\tansi: wrapAnsi16(ansi2ansi, 10)\n\t};\n\tstyles.bgColor.ansi256 =
{\n\t\t\tansi256: wrapAnsi256(ansi2ansi, 10)\n\t};\n\tstyles.bgColor.ansi16m = {\n\t\t\trgb: wrapAnsi16m(rgb2rgb,
10)\n\t};\n\n\tfor (let key of Object.keys(colorConvert)) {\n\t\t\tif (typeof colorConvert[key] !== 'object')
{\n\t\t\t\tcontinue;\n\t\t}\n\t\t\tconst suite = colorConvert[key];\n\t\t\tif (key === 'ansi16') {\n\t\t\t\t\tkey =
'ansi';\n\t\t\t}\n\t\t\t\tif ('ansi16' in suite) {\n\t\t\t\t\tstyles.color.ansi[key] = wrapAnsi16(suite.ansi16,
0);\n\t\t\t\t\tstyles.bgColor.ansi[key] = wrapAnsi16(suite.ansi16, 10);\n\t\t\t}\n\t\t\t\tif ('ansi256' in suite)
{\n\t\t\t\t\tstyles.color.ansi256[key] = wrapAnsi256(suite.ansi256, 0);\n\t\t\t\t\tstyles.bgColor.ansi256[key]
= wrapAnsi256(suite.ansi256, 10);\n\t\t\t}\n\t\t\t\tif ('rgb' in suite) {\n\t\t\t\t\tstyles.color.ansi16m[key] =
wrapAnsi16m(suite.rgb, 0);\n\t\t\t\t\tstyles.bgColor.ansi16m[key] = wrapAnsi16m(suite.rgb, 10);\n\t\t\t}\n\t\t}\n\n\treturn
styles;\n}\n\n// Make the export immutable\nObject.defineProperty(module, 'exports', {\n\t\t\tenumerable: true,\n\t\t\tget:
assembleStyles\n});\n\n", "var conversions = require('./conversions');\nvar route = require('./route');\n\nvar convert =
{};\n\nvar models = Object.keys(conversions);\n\nfunction wrapRaw(fn) {\n\t\t\tvar wrappedFn = function (args)
{\n\t\t\t\t\tif (args === undefined || args === null) {\n\t\t\t\t\t\treturn args;\n\t\t\t\t}\n\t\t\t\t\tif (arguments.length > 1) {\n\t\t\t\t\t\targs =
Array.prototype.slice.call(arguments);\n\t\t\t\t}\n\t\t\t\t\treturn fn(args);\n\t\t\t};\n\t\t\t\t// preserve .conversion property if there
is one\n\t\t\t\tif ('conversion' in fn) {\n\t\t\t\t\t\twrappedFn.conversion = fn.conversion;\n\t\t\t\t}\n\t\t\t\t\treturn
wrappedFn;\n\t\t}\n\n\tfunction wrapRounded(fn) {\n\t\t\tvar wrappedFn = function (args) {\n\t\t\t\t\tif
(args === undefined || args === null) {\n\t\t\t\t\t\treturn args;\n\t\t\t\t}\n\t\t\t\t\tif (arguments.length > 1) {\n\t\t\t\t\t\targs =
Array.prototype.slice.call(arguments);\n\t\t\t\t}\n\t\t\t\t\tvar result = fn(args);\n\t\t\t\t\t// we're assuming the result is an array
here.\n\t\t\t\t\t// see notice in conversions.js; don't use box types\n\t\t\t\t\t// in conversion functions.\n\t\t\t\t\tif (typeof result ===
'object') {\n\t\t\t\t\t\tfor (var len = result.length, i = 0; i < len; i++) {\n\t\t\t\t\t\t\tresult[i] =
Math.round(result[i]);\n\t\t\t\t\t\t}\n\t\t\t\t\t\treturn result;\n\t\t\t\t}\n\t\t\t\t\t// preserve .conversion property if there is one\n\t\t\t\t\tif
('conversion' in fn) {\n\t\t\t\t\t\twrappedFn.conversion = fn.conversion;\n\t\t\t\t}\n\t\t\t\t\treturn
wrappedFn;\n\t\t}\n\n\tmodels.forEach(function (fromModel) {\n\t\t\t\t\tconvert[fromModel] =
{};\n\t\t\t\t\tObject.defineProperty(convert[fromModel], 'channels', {value:
conversions[fromModel].channels});\n\t\t\t\t\tObject.defineProperty(convert[fromModel], 'labels', {value:
conversions[fromModel].labels});\n\t\t\t\t\tvar routes = route(fromModel);\n\t\t\t\t\tvar routeModels
= Object.keys(routes);\n\t\t\t\t\trouteModels.forEach(function (toModel) {\n\t\t\t\t\t\tvar fn =
routes[toModel];\n\t\t\t\t\t\t\tconvert[fromModel][toModel] = wrapRounded(fn);\n\t\t\t\t\t\t\tconvert[fromModel][toModel].raw
= wrapRaw(fn);\n\t\t\t\t\t\t});\n\t\t\t\t\t}\n\n\tmodule.exports = convert;\n\n", "use strict"\n\nmodule.exports = {\n\t\t\t\t\t"aliceblue":
[240, 248, 255],\n\t\t\t\t\t"antiquewhite": [250, 235, 215],\n\t\t\t\t\t"aqua": [0, 255, 255],\n\t\t\t\t\t"aquamarine": [127, 255,
212],\n\t\t\t\t\t"azure": [240, 255, 255],\n\t\t\t\t\t"beige": [245, 245, 220],\n\t\t\t\t\t"bisque": [255, 228, 196],\n\t\t\t\t\t"black":
[0, 0, 0],\n\t\t\t\t\t"blanchedalmond": [255, 235, 205],\n\t\t\t\t\t"blue": [0, 0, 255],\n\t\t\t\t\t"blueviolet": [138, 43,
226],\n\t\t\t\t\t"brown": [165, 42, 42],\n\t\t\t\t\t"burlywood": [222, 184, 135],\n\t\t\t\t\t"cadetblue": [95, 158,
160],\n\t\t\t\t\t"chartreuse": [127, 255, 0],\n\t\t\t\t\t"chocolate": [210, 105, 30],\n\t\t\t\t\t"coral": [255, 127,
80],\n\t\t\t\t\t"cornflowerblue": [100, 149, 237],\n\t\t\t\t\t"cornsilk": [255, 248, 220],\n\t\t\t\t\t"crimson": [220, 20,
60],\n\t\t\t\t\t"cyan":
[0, 255, 255],\n\t\t\t\t\t"darkblue": [0, 0, 139],\n\t\t\t\t\t"darkcyan": [0, 139, 139],\n\t\t\t\t\t"darkgoldenrod": [184, 134,
11],\n\t\t\t\t\t"darkgray": [169, 169, 169],\n\t\t\t\t\t"darkgreen": [0, 100, 0],\n\t\t\t\t\t"darkgrey": [169, 169,
169],\n\t\t\t\t\t"darkkhaki": [189, 183, 107],\n\t\t\t\t\t"darkmagenta": [139, 0, 139],\n\t\t\t\t\t"darkolivegreen": [85, 107,
47],\n\t\t\t\t\t"darkorange": [255, 140, 0],\n\t\t\t\t\t"darkorchid": [153, 50, 204],\n\t\t\t\t\t"darkred": [139, 0,
0],\n\t\t\t\t\t"darksalmon": [233, 150, 122],\n\t\t\t\t\t"darkseagreen": [143, 188, 143],\n\t\t\t\t\t"darkslateblue": [72, 61,
139],\n\t\t\t\t\t"darkslategray": [47, 79, 79],\n\t\t\t\t\t"darkslategrey": [47, 79, 79],\n\t\t\t\t\t"darkturquoise": [0, 206,
209],\n\t\t\t\t\t"darkviolet": [148, 0, 211],\n\t\t\t\t\t"deeppink": [255, 20, 147],\n\t\t\t\t\t"deepskyblue": [0, 191,
255],\n\t\t\t\t\t"dimgray": [105, 105, 105],\n\t\t\t\t\t"dimgrey": [105, 105, 105],\n\t\t\t\t\t"dodgerblue": [30, 144,
255],\n\t\t\t\t\t"firebrick": [178, 34, 34],\n\t\t\t\t\t"floralwhite": [255, 250, 240],\n\t\t\t\t\t"forestgreen": [34, 139,

```

34],\r\n\t"fuchsia": [255, 0, 255],\r\n\t"gainsboro": [220, 220, 220],\r\n\t"ghostwhite": [248, 248, 255],\r\n\t"gold": [255, 215, 0],\r\n\t"goldenrod": [218, 165, 32],\r\n\t"gray": [128, 128, 128],\r\n\t"green": [0, 128, 0],\r\n\t"greenyellow": [173, 255, 47],\r\n\t"grey": [128, 128, 128],\r\n\t"honeydew": [240, 255, 240],\r\n\t"hotpink": [255, 105, 180],\r\n\t"indianred": [205, 92, 92],\r\n\t"indigo": [75, 0, 130],\r\n\t"ivory": [255, 255, 240],\r\n\t"khaki": [240, 230, 140],\r\n\t"lavender": [230, 230, 250],\r\n\t"lavenderblush": [255, 240, 245],\r\n\t"lawngreen": [124, 252, 0],\r\n\t"lemonchiffon": [255, 250, 205],\r\n\t"lightblue": [173, 216, 230],\r\n\t"lightcoral": [240, 128, 128],\r\n\t"lightcyan": [224, 255, 255],\r\n\t"lightgoldenrodyellow": [250, 250, 210],\r\n\t"lightgray": [211, 211, 211],\r\n\t"lightgreen": [144, 238, 144],\r\n\t"lightgrey": [211, 211, 211],\r\n\t"lightpink": [255, 182, 193],\r\n\t"lightsalmon": [255, 160, 122],\r\n\t"lightseagreen": [32, 178, 170],\r\n\t"lightskyblue": [135, 206, 250],\r\n\t"lightslategray": [119, 136, 153],\r\n\t"lightslategrey": [119, 136, 153],\r\n\t"lightsteelblue": [176, 196, 222],\r\n\t"lightyellow": [255, 255, 224],\r\n\t"lime": [0, 255, 0],\r\n\t"limegreen": [50, 205, 50],\r\n\t"linen": [250, 240, 230],\r\n\t"magenta": [255, 0, 255],\r\n\t"maroon": [128, 0, 0],\r\n\t"mediumaquamarine": [102, 205, 170],\r\n\t"mediumblue": [0, 0, 205],\r\n\t"mediumorchid": [186, 85, 211],\r\n\t"mediumpurple": [147, 112, 219],\r\n\t"mediumseagreen": [60, 179, 113],\r\n\t"mediumslateblue": [123, 104, 238],\r\n\t"mediumspringgreen": [0, 250, 154],\r\n\t"mediumturquoise": [72, 209, 204],\r\n\t"mediumvioletred": [199, 21, 133],\r\n\t"midnightblue": [25, 25, 112],\r\n\t"mintcream": [245, 255, 250],\r\n\t"mistyrose": [255, 228, 225],\r\n\t"moccasin": [255, 228, 181],\r\n\t"navajowhite": [255, 222, 173],\r\n\t"navy": [0, 0, 128],\r\n\t"oldlace": [253, 245, 230],\r\n\t"olive": [128, 128, 0],\r\n\t"olivedrab": [107, 142, 35],\r\n\t"orange": [255, 165, 0],\r\n\t"orangered": [255, 69, 0],\r\n\t"orchid": [218, 112, 214],\r\n\t"palegoldenrod": [238, 232, 170],\r\n\t"palegreen": [152, 251, 152],\r\n\t"paleturquoise": [175, 238, 238],\r\n\t"palevioletred": [219, 112, 147],\r\n\t"papayawhip": [255, 239, 213],\r\n\t"peachpuff": [255, 218, 185],\r\n\t"peru": [205, 133, 63],\r\n\t"pink": [255, 192, 203],\r\n\t"plum": [221, 160, 221],\r\n\t"powderblue": [176, 224, 230],\r\n\t"purple": [128, 0, 128],\r\n\t"rebeccapurple": [102, 51, 153],\r\n\t"red": [255, 0, 0],\r\n\t"rosybrown": [188, 143, 143],\r\n\t"royalblue": [65, 105, 225],\r\n\t"saddlebrown": [139, 69, 19],\r\n\t"salmon": [250, 128, 114],\r\n\t"sandybrown": [244, 164, 96],\r\n\t"seagreen": [46, 139, 87],\r\n\t"seashell": [255, 245, 238],\r\n\t"sienna": [160, 82, 45],\r\n\t"silver": [192, 192, 192],\r\n\t"skyblue": [135, 206, 235],\r\n\t"slateblue": [106, 90, 205],\r\n\t"slategray": [112, 128, 144],\r\n\t"slategrey": [112, 128, 144],\r\n\t"snow": [255, 250, 250],\r\n\t"springgreen": [0, 255, 127],\r\n\t"steelblue": [70, 130, 180],\r\n\t"tan": [210, 180, 140],\r\n\t"teal": [0, 128, 128],\r\n\t"thistle": [216, 191, 216],\r\n\t"tomato": [255, 99, 71],\r\n\t"turquoise": [64, 224, 208],\r\n\t"violet": [238, 130, 238],\r\n\t"wheat": [245, 222, 179],\r\n\t"white": [255, 255, 255],\r\n\t"whitesmoke": [245, 245, 245],\r\n\t"yellow": [255, 255, 0],\r\n\t"yellowgreen": [154, 205, 50]\r\n};\r\n\n", "var conversions = require('./conversions');\n\n// this function routes a model to all other models.\n// tall functions that are routed have a property `conversion` attached to the returned synthetic function. This property is an array of strings, each with the steps in between the 'from' and 'to' color models (inclusive).\n// conversions that are not possible simply are not included.\n\nfunction buildGraph() {\n var graph = {};\n // https://jsperf.com/object-keys-vs-for-in-with-closure/3\n var models = Object.keys(conversions);\n for (var len = models.length, i = 0; i < len; i++) {\n graph[models[i]] = {\n // http://jsperf.com/1-vs-infinity\n // micro-opt, but this is simple.\n distance: -1,\n parent: null\n };\n }\n return graph;\n}\n\n// https://en.wikipedia.org/wiki/Breadth-first\_search\nfunction deriveBFS(fromModel) {\n var graph = buildGraph();\n var queue = [fromModel];\n // unshift -> queue -> pop\n graph[fromModel].distance = 0;\n while (queue.length) {\n var current = queue.pop();\n var adjacents = Object.keys(conversions[current]);\n for (var len = adjacents.length, i = 0; i < len; i++) {\n var adjacent = adjacents[i];\n var node = graph[adjacent];\n if (node.distance === -1) {\n node.distance = graph[current].distance + 1;\n node.parent = current;\n queue.unshift(adjacent);\n }\n }\n }\n return graph;\n}

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graph;\n}\n\nfunction link(from, to) {\n\treturn function (args) {\n\t\treturn to(from(args));\n\t};\n}\n\nfunction wrapConversion(toModel, graph) {\n\tvar path = [graph[toModel].parent, toModel];\n\tvar fn = conversions[graph[toModel].parent][toModel];\n\tvar cur = graph[toModel].parent;\n\twhile (graph[cur].parent) {\n\t\tpath.unshift(graph[cur].parent);\n\t\tfn = link(conversions[graph[cur].parent][cur], fn);\n\t\tcur = graph[cur].parent;\n\t}\n\tfn.conversion = path;\n\treturn fn;\n}\n\nmodule.exports = function (fromModel) {\n\tvar graph = deriveBFS(fromModel);\n\tvar conversion = {};\n\tvar models = Object.keys(graph);\n\tfor (var len = models.length, i = 0; i < len; i++) {\n\t\tvar toModel = models[i];\n\t\tvar node = graph[toModel];\n\t\tif (node.parent === null) {\n\t\t\t// no possible conversion, or this node is the source model.\n\t\t\tcontinue;\n\t\t}\n\t\tconversion[toModel] = wrapConversion(toModel, graph);\n\t}\n\treturn conversion;\n};\n\n"use strict";\nconst os = require('os');\nconst hasFlag = require('has-flag');\nconst env = process.env;\nlet forceColor;\nif (hasFlag('no-color') || !hasFlag('no-colors') || !hasFlag('color=false')) {\n\tforceColor = false;\n} else if (hasFlag('color') || !hasFlag('colors') || !hasFlag('color=true') || !hasFlag('color=always')) {\n\tforceColor = true;\n}\nif ('FORCE_COLOR' in env) {\n\tforceColor = env.FORCE_COLOR.length === 0 || parseInt(env.FORCE_COLOR, 10) !== 0;\n}\n\nfunction translateLevel(level) {\n\tif (level === 0) {\n\t\treturn false;\n\t}\n\treturn {\n\t\tlevel,\n\t\tbasic: true,\n\t\thas256: level >= 2,\n\t\thas16m: level >= 3\n\t};\n}\n\nfunction supportsColor(stream) {\n\tif (forceColor === false) {\n\t\treturn 0;\n\t}\n\tif (hasFlag('color=16m') || !hasFlag('color=full')) {\n\t\treturn 3;\n\t}\n\tif (hasFlag('color=256')) {\n\t\treturn 2;\n\t}\n\tif (stream && !stream.isTTY && forceColor !== true) {\n\t\treturn 0;\n\t}\n\tconst min = forceColor ? 1 : 0;\n\tif (process.platform === 'win32') {\n\t\t// Node.js 7.5.0 is the first version of Node.js to include a patch to libuv that enables 256 color output on Windows. Anything earlier and it won't work. However, here we target Node.js 8 at minimum as it is an LTS release, and Node.js 7 is not. Windows 10 build 10586 is the first Windows release that supports 256 colors. Windows 10 build 14931 is the first release that supports 16m/TrueColor.\n\t\tconst osRelease = os.release().split('.');\n\t\tif ((Number(process.versions.node.split('.')[0]) >= 8 && Number(osRelease[0]) >= 10 && Number(osRelease[2]) >= 10586) || (Number(osRelease[2]) >= 14931 ? 3 : 2)) {\n\t\t\treturn 1;\n\t\t}\n\t\tif ('CI' in env) {\n\t\t\t(['TRAVIS', 'CIRCLECI', 'APPVEYOR', 'GITLAB_CI'].some(sign => sign in env) || env.CI_NAME === 'codeship')\n\t\t\t\treturn 1;\n\t\t}\n\t\tif ('TEAMCITY_VERSION' in env) {\n\t\t\treturn /^(9\\.(0*[1-9]\\d*)\\.\\d{2,}\\.)/.test(env.TEAMCITY_VERSION) ? 1 : 0;\n\t\t}\n\t\tif (env.COLORTERM === 'truecolor') {\n\t\t\treturn 3;\n\t\t}\n\t\tif ('TERM_PROGRAM' in env) {\n\t\t\tconst version = parseInt((env.TERM_PROGRAM_VERSION || "").split('.')[0], 10);\n\t\t\tswitch (env.TERM_PROGRAM) {\n\t\t\tcase 'iTerm.app':\n\t\t\t\treturn version >= 3 ? 3 : 2;\n\t\t\tcase 'Apple_Terminal':\n\t\t\t\treturn 2;\n\t\t\t// No default case!\n\t\t\tif (/^-256(color)?$/i.test(env.TERM)) {\n\t\t\t\treturn 2;\n\t\t\t}\n\t\t\tif (/^screen|^xterm|^vt100|^rxvt|color|ansi|cygwin|linux/i.test(env.TERM)) {\n\t\t\t\treturn 1;\n\t\t\t}\n\t\t\tif ('COLORTERM' in env) {\n\t\t\t\treturn 1;\n\t\t\t}\n\t\t\tif (env.TERM === 'dumb') {\n\t\t\t\treturn min;\n\t\t\t}\n\t\t\treturn min;\n\t\t}\n\t}\n\treturn getSupportLevel(stream);\n}\n\nconst level = supportsColor(stream);\n\nmodule.exports = {\n\tsupportsColor: getSupportLevel,\n\tstdout: getSupportLevel(process.stdout),\n\tstderr: getSupportLevel(process.stderr)\n};\n\n(flag, argv) => {\n\targv = argv || process.argv;\n\tconst prefix = flag.startsWith('-') ? '' : (flag.length === 1 ? '-' : '--');\n\tconst pos = argv.indexOf(prefix + flag);\n\tconst terminatorPos = argv.indexOf('--');\n\treturn pos !== -1 && (terminatorPos === -1 ? true : pos < terminatorPos);\n};\n\n"use strict";\nconst TEMPLATE_REGEX = /(?:\\\\(u[a-f\\d]{4}|x[a-f\\d]{2}|.))|(?:~)|(w+(?:\\[(^)*\\]))|(?:\\.|w+(?:\\[(^)*\\]))?(?:[\\t](?:\\r?\\n)|)(\\)|)(?:[:|[\\r\\n\\f]|+)?/gi;\nconst STYLE_REGEX = /(?:^(\\.|w+(?:\\[(^)*\\]))?/g;\nconst STRING_REGEX = /^(["'])(?:\\\\.|(?:!\\[[\\]])*)\\1$/;\nconst ESCAPE_REGEX = /(u[a-f\\d]{4}|x[a-f\\d]{2}|.)/gi;\nconst ESCAPES = new Map([\n\t['n', '\\n'],\n\t['r', '\\r'],\n\t['t', '\\t'],\n\t['b', '\\b'],\n\t['f', '\\f'],\n\t['v', '\\v'],\n\t['0', '\\0'],\n\t['\\\\\\\\', '\\\\\\\\'],\n\t['e', '\\u001B'],\n\t['a', '\\u0007']\n]);\n\nfunction unescape(c) {\n\tif ((c[0] === 'u' && c.length === 5) || (c[0] === 'x' && c.length === 3)) {\n\t\treturn String.fromCharCode(parseInt(c.slice(1), 16));\n\t}\n\treturn ESCAPES.get(c) || c;\n}
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c;\n\nfunction parseArguments(name, args) {\n\tconst results = [];\n\tconst chunks =
args.trim().split(/\\s*,\\s*/g);\n\tlet matches;\n\tfor (const chunk of chunks) {\n\t\tif (!isNaN(chunk))
{\n\t\t\tresults.push(Number(chunk));\n\t\t} else if ((matches = chunk.match(STRING_REGEX)))
{\n\t\t\tresults.push(matches[2].replace(ESCAPE_REGEX, (m, escape, chr) => escape ? unescape(escape) :
chr));\n\t\t} else {\n\t\t\tthrow new Error(`Invalid Chalk template style argument: ${chunk} (in style
'${name}')`);\n\t\t}\n\t}\n\treturn results;\n}\n\nfunction parseStyle(style) {\n\tSTYLE_REGEX.lastIndex =
0;\n\tconst results = [];\n\tlet matches;\n\twhile ((matches = STYLE_REGEX.exec(style)) !== null) {\n\t\tconst
name = matches[1];\n\t\tif (matches[2])
{\n\t\t\tconst args = parseArguments(name, matches[2]);\n\t\t\tresults.push([name].concat(args));\n\t\t} else
{\n\t\t\tresults.push([name]);\n\t\t}\n\t}\n\treturn results;\n}\n\nfunction buildStyle(chalk, styles) {\n\tconst
enabled = {};\n\tfor (const layer of styles) {\n\t\tfor (const style of layer.styles) {\n\t\t\ttenabled[style[0]] =
layer.inverse ? null : style.slice(1);\n\t\t}\n\t}\n\tlet current = chalk;\n\tfor (const styleName of
Object.keys(enabled)) {\n\t\tif (Array.isArray(enabled[styleName])) {\n\t\t\tif (!(styleName in current))
{\n\t\t\t\tthrow new Error(`Unknown Chalk style: ${styleName}`);\n\t\t\t}\n\t\t\tif (enabled[styleName].length > 0)
{\n\t\t\t\tcurrent = current[styleName].apply(current, enabled[styleName]);\n\t\t\t} else {\n\t\t\t\tcurrent =
current[styleName];\n\t\t\t}\n\t\t}\n\t}\n\treturn current;\n}\n\nmodule.exports = (chalk, tmp) => {\n\tconst styles
= [];\n\tconst chunks = [];\n\tlet chunk = [];\n\t// eslint-disable-next-line max-
params\n\ttmp.replace(TEMPLATE_REGEX,
(m, escapeChar, inverse, style, close, chr) => {\n\t\tif (escapeChar)
{\n\t\t\tchunk.push(unescape(escapeChar));\n\t\t} else if (style) {\n\t\t\tconst str = chunk.join("");\n\t\t\tchunk =
[];\n\t\t\tchunks.push(styles.length === 0 ? str : buildStyle(chalk, styles)(str));\n\t\t\tstyles.push({inverse, styles:
parseStyle(style)});\n\t\t} else if (close) {\n\t\t\tif (styles.length === 0) {\n\t\t\t\tthrow new Error("Found extraneous
} in Chalk template literal");\n\t\t\t}\n\t\t\tchunks.push(buildStyle(chalk, styles)(chunk.join("")));\n\t\t\tchunk =
[];\n\t\t\tstyles.pop();\n\t\t} else {\n\t\t\tchunk.push(chr);\n\t\t}\n\t}\n\tchunks.push(chunk.join(""));
\n\tif (styles.length > 0) {\n\t\tconst errMsg = `Chalk template literal is missing ${styles.length} closing
bracket${styles.length === 1 ? " : 's'" : ""} (\\`\\`\\`);
\n\t\tthrow new Error(errMsg);\n\t}\n\treturn
chunks.join("");\n};\n\n,"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n
value: true\n});\n\nexports.evaluateTruthy = evaluateTruthy;\nexports.evaluate = evaluate;\nconst
VALID_CALLEES = ["String", "Number", "Math"];
\nconst INVALID_METHODS =
["random"];
\nfunction evaluateTruthy() {\n\tconst res = this.evaluate();\n\tif (res.confident) return
!!res.value;\n}\n\nfunction deopt(path, state) {\n\tif (!state.confident) return;\n\tstate.deoptPath = path;\n
state.confident = false;\n}\n\nfunction evaluateCached(path, state) {\n\tconst {\n\t\tnode\n\t} = path;\n\tconst {\n\t\tseen\n\t} = state;\n\tif (seen.has(node)) {\n\t\tconst existing = seen.get(node);\n\t\tif (existing.resolved) {\n\t\t\treturn existing.value;\n\t\t} else {\n\t\t\tdeopt(path, state);\n\t\t\treturn;\n\t\t}\n\t} else {\n\t\tconst item = {\n\t\t\tresolved: false\n\t\t};\n\t\tseen.set(node, item);\n\t\tconst val = _evaluate(path, state);\n\t\tif (state.confident) {\n\t\t\titem.resolved = true;\n\t\t\titem.value = val;\n\t\t}\n\t\treturn val;\n\t}\n}\n\nfunction _evaluate(path,
state) {\n\tif (!state.confident) return;\n\tconst {\n\t\tnode\n\t} = path;\n\tif (path.isSequenceExpression()) {\n\t\tconst exprs = path.get("expressions");\n\t\treturn evaluateCached(exprs[exprs.length - 1], state);\n\t}\n\tif
(path.isStringLiteral() || path.isNumericLiteral() || path.isBooleanLiteral()) {\n\t\treturn node.value;\n\t}\n\tif
(path.isNullLiteral()) {\n\t\treturn null;\n\t}\n\tif (path.isTemplateLiteral()) {\n\t\treturn evaluateQuasis(path,
node.quasis, state);\n\t}\n\tif (path.isTaggedTemplateExpression() && path.get("tag").isMemberExpression())
{\n\t\tconst object = path.get("tag.object");\n\t\tconst {\n\t\t\tname\n\t\t} = object;\n\t\tconst
property = path.get("tag.property");\n\t\tif (object.isIdentifier() && name === "String" &&
!path.scope.getBinding(name, true) && property.isIdentifier() && property.node.name === "raw") {\n\t\t\treturn
evaluateQuasis(path, node.quasi.quasis, state, true);\n\t\t}\n\t}\n\tif (path.isConditionalExpression())
{\n\t\tconst testResult = evaluateCached(path.get("test"), state);\n\t\tif (!state.confident) return;\n\t\tif (testResult)
{\n\t\t\treturn evaluateCached(path.get("consequent"), state);\n\t\t} else {\n\t\t\treturn
evaluateCached(path.get("alternate"), state);\n\t\t}\n\t}\n\tif (path.isExpressionWrapper()) {\n\t\treturn

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evaluateCached(path.get("expression"), state);\n }\n\n if (path.isMemberExpression() &&
!path.parentPath.isCallExpression({\n callee: node\n })) {\n const property = path.get("property");\n const
object = path.get("object");\n\n if (object.isLiteral() && property.isIdentifier()) {\n const value =
object.node.value;\n const type = typeof value;\n\n if (type === "number" || type === "string") {\n
return value[property.node.name];\n }\n }\n\n if (path.isReferencedIdentifier()) {\n const binding =
path.scope.getBinding(node.name);\n\n if (binding && binding.constantViolations.length
> 0) {\n return deopt(binding.path, state);\n }\n\n if (binding && path.node.start < binding.path.node.end)
{\n return deopt(binding.path, state);\n }\n\n if (binding == null ? void 0 : binding.hasValue) {\n return
binding.value;\n } else {\n if (node.name === "undefined") {\n return binding ? deopt(binding.path, state)
: undefined;\n } else if (node.name === "Infinity") {\n return binding ? deopt(binding.path, state) :
Infinity;\n } else if (node.name === "NaN") {\n return binding ? deopt(binding.path, state) : NaN;\n
}\n\n const resolved = path.resolve();\n\n if (resolved === path) {\n return deopt(path, state);\n } else
{\n return evaluateCached(resolved, state);\n }\n }\n\n if (path.isUnaryExpression({\n prefix: true\n
})) {\n if (node.operator === "void") {\n return undefined;\n }\n\n const argument =
path.get("argument");\n\n if
(node.operator === "typeof" && (argument.isFunction() || argument.isClass())) {\n return "function";\n
}\n\n const arg = evaluateCached(argument, state);\n\n if (!state.confident) return;\n\n switch (node.operator) {\n
case "!", "\n return !arg;\n\n case "+":\n return +arg;\n\n case "-":\n return -arg;\n\n case
"~":\n return ~arg;\n\n case "typeof":\n return typeof arg;\n }\n }\n\n if (path.isArrayExpression())
{\n const arr = [];\n const elems = path.get("elements");\n\n for (const elem of elems) {\n const elemValue
= elem.evaluate();\n\n if (elemValue.confident) {\n arr.push(elemValue.value);\n } else {\n return
deopt(elemValue.deopt, state);\n }\n }\n\n return arr;\n }\n\n if (path.isObjectExpression()) {\n const obj =
{};\n const props = path.get("properties");\n\n for (const prop of props) {\n if (prop.isObjectMethod() ||
prop.isSpreadElement()) {\n return deopt(prop, state);\n }\n\n const keyPath = prop.get("key");\n let
key = keyPath;\n\n if (prop.node.computed) {\n key = key.evaluate();\n\n if (!key.confident) {\n
return deopt(key.deopt, state);\n }\n\n key = key.value;\n } else if (key.isIdentifier()) {\n key =
key.node.name;\n } else {\n key = key.node.value;\n }\n\n const valuePath = prop.get("value");\n
let value = valuePath.evaluate();\n\n if (!value.confident) {\n return deopt(value.deopt, state);\n }\n\n
value = value.value;\n obj[key] = value;\n }\n\n return obj;\n }\n\n if (path.isLogicalExpression()) {\n
const wasConfident = state.confident;\n const left = evaluateCached(path.get("left"), state);\n const
leftConfident = state.confident;\n state.confident = wasConfident;\n const right =
evaluateCached(path.get("right"), state);\n\n const rightConfident = state.confident;\n\n switch (node.operator) {\n
case "||":\n state.confident =
leftConfident && (!left || rightConfident);\n\n if (!state.confident) return;\n return left || right;\n\n case
"&&":\n state.confident = leftConfident && (!left || rightConfident);\n\n if (!state.confident) return;\n
return left && right;\n }\n }\n\n if (path.isBinaryExpression()) {\n const left =
evaluateCached(path.get("left"), state);\n\n if (!state.confident) return;\n const right =
evaluateCached(path.get("right"), state);\n\n if (!state.confident) return;\n\n switch (node.operator) {\n
case "-":\n return left - right;\n\n case "+":\n return left + right;\n\n case "^":\n return left / right;\n\n
case "*":\n return left * right;\n\n case "%":\n return left % right;\n\n case "**":\n return
Math.pow(left, right);\n\n case
"<":\n return left < right;\n\n case ">":\n return left > right;\n\n case "<=":\n return left <=
right;\n\n case ">=":\n return left >= right;\n\n case "==":\n return left == right;\n\n case
"!=":\n return left != right;\n\n case "===":\n return left === right;\n\n case "!==":\n return
left !== right;\n\n case "|":\n return left | right;\n\n case "&":\n return left & right;\n\n case
"^":\n return left ^ right;\n\n case "<<":\n return left << right;\n\n case ">>":\n return left >>
right;\n\n case ">>>":\n return left >>> right;\n }\n }\n\n if (path.isCallExpression()) {\n const callee =
path.get("callee");\n let context;\n let func;\n\n if (callee.isIdentifier() &&

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!path.scope.getBinding(callee.node.name, true) && VALID_CALLEES.indexOf(callee.node.name) >= 0) {\n
func = global[node.callee.name];\n
 }\n\n if (callee.isMemberExpression()) {\n const object = callee.get(\"object\");\n const property =
callee.get(\"property\");\n\n if (object.isIdentifier() && property.isIdentifier() &&
VALID_CALLEES.indexOf(object.node.name) >= 0 && INVALID_METHODS.indexOf(property.node.name) <
0) {\n context = global[object.node.name];\n func = context[property.node.name];\n }\n\n if
(object.isLiteral() && property.isIdentifier()) {\n const type = typeof object.node.value;\n\n if (type ===
\"string\" || type === \"number\") {\n context = object.node.value;\n func =
context[property.node.name];\n }\n }\n\n if (func) {\n const args =
path.get(\"arguments\").map(arg => evaluateCached(arg, state));\n if (!state.confident) return;\n return
func.apply(context, args);\n }\n }\n\n deopt(path, state);\n}\n\nfunction evaluateQuasis(path, quasis, state, raw =
false) {\n
 let str = \"\";\n let i = 0;\n const exprs = path.get(\"expressions\");\n\n for (const elem of quasis) {\n if
(!state.confident) break;\n str += raw ? elem.value.raw : elem.value.cooked;\n const expr = exprs[i++];\n if
(expr) str += String(evaluateCached(expr, state));\n }\n\n if (!state.confident) return;\n return str;\n}\n\nfunction
evaluate() {\n const state = {\n confident: true,\n deoptPath: null,\n seen: new Map()\n };\n let value =
evaluateCached(this, state);\n if (!state.confident) value = undefined;\n return {\n confident: state.confident,\n
deopt: state.deoptPath,\n value: value\n };\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\",
{\n value: true\n});\nexports.toComputedKey = toComputedKey;\nexports.ensureBlock =
ensureBlock;\nexports.arrowFunctionToShadowed =
arrowFunctionToShadowed;\nexports.unwrapFunctionEnvironment =
unwrapFunctionEnvironment;\nexports.arrowFunctionToExpression = arrowFunctionToExpression;\n\n\nvar
t = _interopRequireWildcard(require(\"@babel/types\"));\n\nvar _helperFunctionName =
_interopRequireDefault(require(\"@babel/helper-function-name\"));\n\nfunction _interopRequireDefault(obj) {\n
return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction _getRequireWildcardCache() {\n if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {\n
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) {\n if (obj && obj.__esModule) {\n
return obj; }\n if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") {\n return {\n
default: obj\n }; }\n var cache = _getRequireWildcardCache();\n if (cache && cache.has(obj)) {\n return
cache.get(obj);\n }\n var newObj = {};\n var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;\n for (var key in obj) {\n if
(Object.prototype.hasOwnProperty.call(obj, key)) {\n var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key)\n : null;\n if (desc && (desc.get || desc.set)) {\n Object.defineProperty(newObj, key, desc);\n } else {\n newObj[key] =
obj[key];\n }\n }\n }\n newObj.default = obj;\n if (cache) {\n cache.set(obj, newObj);\n }\n return
newObj;\n}\n\nfunction
toComputedKey() {\n const node = this.node;\n let key;\n\n if (this.isMemberExpression()) {\n key =
node.property;\n } else if (this.isProperty() || this.isMethod()) {\n key = node.key;\n } else {\n throw new
ReferenceError(\"todo\");\n }\n\n if (!node.computed) {\n if (t.isIdentifier(key)) key =
t.stringLiteral(key.name);\n }\n\n return key;\n}\n\nfunction ensureBlock() {\n const body = this.get(\"body\");\n
const bodyNode = body.node;\n\n if (Array.isArray(body)) {\n throw new Error(\"Can't convert array path to a
block statement\");\n }\n\n if (!bodyNode) {\n throw new Error(\"Can't convert node without a body\");\n }\n\n
if (body.isBlockStatement()) {\n return bodyNode;\n }\n\n const statements = [];\n let stringPath = \"body\";\n
let key;\n let listKey;\n\n if (body.isStatement()) {\n listKey = \"body\";\n key = 0;\n
statements.push(body.node);\n } else {\n stringPath += \".body.0\";\n\n if (this.isFunction()) {\n key =
\"argument\";\n statements.push(t.returnStatement(body.node));\n } else {\n key = \"expression\";\n
statements.push(t.expressionStatement(body.node));\n }\n }\n\n this.node.body = t.blockStatement(statements);\n
const parentPath = this.get(stringPath);\n body.setup(parentPath, listKey ? parentPath.node[listKey] :\n parentPath.node, listKey, key);\n return this.node;\n}\n\nfunction arrowFunctionToShadowed() {\n if
(!this.isArrowFunctionExpression()) return;\n this.arrowFunctionToExpression();\n}\n\nfunction

```

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unwrapFunctionEnvironment() {\n if (!this.isArrowFunctionExpression() && !this.isFunctionExpression() &&
!this.isFunctionDeclaration()) {\n throw this.buildCodeFrameError(`Can only unwrap the environment of a
function.`);\n }\n\n hoistFunctionEnvironment(this);\n}\n\nfunction
arrowFunctionToExpression({\n allowInsertArrow = true,\n specCompliant = false\n} = {}) {\n if
(!this.isArrowFunctionExpression()) {\n throw this.buildCodeFrameError(`Cannot convert non-arrow function to
a function expression.`);\n }\n\n const thisBinding = hoistFunctionEnvironment(this, specCompliant,
allowInsertArrow);\n this.ensureBlock();\n this.nodeType = `FunctionExpression`;\n\n if (specCompliant) {\n
const checkBinding = thisBinding ? null : this.parentPath.scope.generateUidIdentifier(`arrowCheckId`);\n\n if
(checkBinding) {\n this.parentPath.scope.push({\n id: checkBinding,\n init: t.objectExpression([])\n
});\n }\n\n this.get(`body`).unshiftContainer(`body`,
t.expressionStatement(t.callExpression(this.hub.addHelper(`newArrowCheck`), [t.thisExpression(), checkBinding
? t.identifier(checkBinding.name) : t.identifier(thisBinding)])));\n
this.replaceWith(t.callExpression(t.memberExpression((0,
_helperFunctionName.default)(this, true) || this.node, t.identifier(`bind`)), [checkBinding ?
t.identifier(checkBinding.name) : t.thisExpression()]);\n }\n}\n\nfunction hoistFunctionEnvironment(fnPath,
specCompliant = false, allowInsertArrow = true) {\n const thisEnvFn = fnPath.findParent(p => {\n return
p.isFunction() && !p.isArrowFunctionExpression() || p.isProgram() || p.isClassProperty({\n static: false\n
});\n });\n const inConstructor = (thisEnvFn == null ? void 0 : thisEnvFn.node.kind) === `constructor`;\n\n if
(thisEnvFn.isClassProperty()) {\n throw fnPath.buildCodeFrameError(`Unable to transform arrow inside class
property`);\n }\n\n const {\n thisPaths,\n argumentsPaths,\n newTargetPaths,\n superProps,\n
superCalls\n } = getScopeInformation(fnPath);\n\n if (inConstructor && superCalls.length > 0) {\n if
(!allowInsertArrow) {\n throw superCalls[0].buildCodeFrameError(`Unable to handle nested super() usage
in arrow`);\n }\n\n const allSuperCalls = [];\n thisEnvFn.traverse({\n Function(child) {\n if
(child.isArrowFunctionExpression()) return;\n child.skip();\n },\n ClassProperty(child) {\n
child.skip();\n },\n CallExpression(child) {\n if (!child.get(`callee`).isSuper()) return;\n
allSuperCalls.push(child);\n }\n });\n const superBinding = getSuperBinding(thisEnvFn);\n
allSuperCalls.forEach(superCall => {\n const callee = t.identifier(superBinding);\n callee.loc =
superCall.node.callee.loc;\n superCall.get(`callee`).replaceWith(callee);\n });\n }\n\n if
(argumentsPaths.length > 0) {\n const argumentsBinding = getBinding(thisEnvFn, `arguments`, () =>
t.identifier(`arguments`));\n argumentsPaths.forEach(argumentsChild => {\n const argsRef =
t.identifier(argumentsBinding);\n argsRef.loc = argumentsChild.node.loc;\n
argumentsChild.replaceWith(argsRef);\n
 });\n }\n\n if (newTargetPaths.length > 0) {\n const newTargetBinding = getBinding(thisEnvFn, `newtarget`,
() => t.metaProperty(t.identifier(`new`), t.identifier(`target`)));\n newTargetPaths.forEach(targetChild => {\n
const targetRef = t.identifier(newTargetBinding);\n targetRef.loc = targetChild.node.loc;\n
targetChild.replaceWith(targetRef);\n });\n }\n\n if (superProps.length > 0) {\n if (!allowInsertArrow) {\n
throw superProps[0].buildCodeFrameError(`Unable to handle nested super.prop usage`);\n }\n\n const
flatSuperProps = superProps.reduce((acc, superProp) => acc.concat(standardizeSuperProperty(superProp)), []);\n
flatSuperProps.forEach(superProp => {\n const key = superProp.node.computed ? `` :
superProp.get(`property`).node.name;\n const isAssignment =
superProp.parentPath.isAssignmentExpression({\n left: superProp.node\n });\n const isCall =
superProp.parentPath.isCallExpression({\n
 callee: superProp.node\n });\n const superBinding = getSuperPropBinding(thisEnvFn, isAssignment, key);\n
const args = [];\n\n if (superProp.node.computed) {\n args.push(superProp.get(`property`).node);\n
 }\n\n if (isAssignment) {\n const value = superProp.parentPath.node.right;\n args.push(value);\n
 }\n\n const call = t.callExpression(t.identifier(superBinding), args);\n\n if (isCall) {\n
superProp.parentPath.unshiftContainer(`arguments`, t.thisExpression());\n
superProp.replaceWith(t.memberExpression(call, t.identifier(`call`)));\n
 }\n });\n }\n}

```

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thisPaths.push(superProp.parentPath.get("arguments.0"));
} else if (isAssignment) {
 superProp.parentPath.replaceWith(call);
} else {
 superProp.replaceWith(call);
}
let thisBinding;
if (thisPaths.length > 0 || specCompliant) {
 thisBinding = getThisBinding(thisEnvFn, inConstructor);
 if (!specCompliant || inConstructor && hasSuperClass(thisEnvFn)) {
 thisPaths.forEach(thisChild => {
 const thisRef = thisChild.isJSX() ? t.jsxIdentifier(thisBinding) : t.identifier(thisBinding);
 thisRef.loc = thisChild.node.loc;
 thisChild.replaceWith(thisRef);
 });
 if (specCompliant) thisBinding = null;
 }
 return thisBinding;
}

function standardizeSuperProperty(superProp) {
 if (superProp.parentPath.isAssignmentExpression() && superProp.parentPath.node.operator !== "=") {
 const assignmentPath = superProp.parentPath;
 const op = assignmentPath.node.operator.slice(0, -1);
 const value = assignmentPath.node.right;
 assignmentPath.node.operator = "=";
 if (superProp.node.computed) {
 const tmp = superProp.scope.generateDeclaredUidIdentifier("tmp");
 assignmentPath.get("left").replaceWith(t.memberExpression(superProp.node.object, t.assignmentExpression("=", tmp, superProp.node.property), true));
 assignmentPath.get("right").replaceWith(t.binaryExpression(op, t.memberExpression(superProp.node.object, t.identifier(tmp.name), true), value));
 } else {
 assignmentPath.get("left").replaceWith(t.memberExpression(superProp.node.object, superProp.node.property));
 assignmentPath.get("right").replaceWith(t.binaryExpression(op, t.memberExpression(superProp.node.object, t.identifier(superProp.node.property.name)), value));
 }
 return [assignmentPath.get("left"), assignmentPath.get("right").get("left")];
 } else if (superProp.parentPath.isUpdateExpression()) {
 const updateExpr = superProp.parentPath;
 const tmp = superProp.scope.generateDeclaredUidIdentifier("tmp");
 const computedKey = superProp.node.computed ? superProp.scope.generateDeclaredUidIdentifier("prop") : null;
 const parts = [t.assignmentExpression("=", tmp, t.memberExpression(superProp.node.object, computedKey ? t.assignmentExpression("=", tmp, computedKey, superProp.node.property) : superProp.node.property, superProp.node.computed)), t.assignmentExpression("=", t.memberExpression(superProp.node.object, computedKey ? t.identifier(computedKey.name) : superProp.node.property, superProp.node.computed), t.binaryExpression("+", t.identifier(tmp.name), t.numericLiteral(1))];
 if (!superProp.parentPath.node.prefix) {
 parts.push(t.identifier(tmp.name));
 }
 updateExpr.replaceWith(t.sequenceExpression(parts));
 const left = updateExpr.get("expressions.0.right");
 const right = updateExpr.get("expressions.1.left");
 return [left, right];
 }
 return [superProp];
}

function hasSuperClass(thisEnvFn) {
 return thisEnvFn.isClassMethod() && !!thisEnvFn.parentPath.parentPath.node.superClass;
}

function getThisBinding(thisEnvFn, inConstructor) {
 return getBinding(thisEnvFn, "this", thisBinding => {
 if (!inConstructor || !hasSuperClass(thisEnvFn)) return t.thisExpression();
 const supers = new WeakSet();
 thisEnvFn.traverse({
 Function(child) {
 if (child.isArrowFunctionExpression()) return;
 child.skip();
 },
 ClassProperty(child) {
 child.skip();
 },
 CallExpression(child) {
 if (!child.get("callee").isSuper()) return;
 if (supers.has(child.node)) return;
 supers.add(child.node);
 child.replaceWithMultiple([child.node, t.assignmentExpression("=", t.identifier(thisBinding), t.identifier("this"))]);
 }
 });
 });
}

function getSuperBinding(thisEnvFn) {
 return getBinding(thisEnvFn, "supercall", () => {
 const argsBinding = thisEnvFn.scope.generateUidIdentifier("args");
 return t.arrowFunctionExpression([t.restElement(argsBinding)], t.callExpression(t.super(), [t.spreadElement(t.identifier(argsBinding.name))]);
 });
}

function getSuperPropBinding(thisEnvFn, isAssignment, propName) {
 const op = isAssignment ? "set" : "get";
 return getBinding(thisEnvFn, `superprop_${op}:${propName || ""}`, () => {
 const argsList = [];
 let fnBody;
 if (propName) {
 fnBody = t.memberExpression(t.super(), t.identifier(propName));
 } else {
 const method = thisEnvFn.scope.generateUidIdentifier("prop");
 argsList.unshift(method);
 fnBody = t.memberExpression(t.super(), t.identifier(method.name), true);
 }
 if (isAssignment) {
 const valueIdent

```



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= thisEnvFn.scope.generateUidIdentifier("value");\n argsList.push(valueIdent);\n fnBody =
t.assignmentExpression("=", fnBody, t.identifier(valueIdent.name));\n }\n\n return
t.arrowFunctionExpression(argsList, fnBody);\n });\n}\n\nfunction getBinding(thisEnvFn, key, init) {\n const
cacheKey = "binding:" + key;\n let data = thisEnvFn.getData(cacheKey);\n\n if (!data) {\n const id =
thisEnvFn.scope.generateUidIdentifier(key);\n data = id.name;\n thisEnvFn.setData(cacheKey, data);\n
thisEnvFn.scope.push({\n
 id: id,\n init: init(data)\n });\n }\n\n return data;\n}\n\nfunction getScopeInformation(fnPath) {\n const
thisPaths = [];\n const argumentsPaths = [];\n const newTargetPaths = [];\n const superProps = [];\n const
superCalls = [];\n fnPath.traverse({\n ClassProperty(child) {\n child.skip();\n },\n\n Function(child) {\n
if (child.isArrowFunctionExpression()) return;\n child.skip();\n },\n\n ThisExpression(child) {\n
thisPaths.push(child);\n },\n\n JSXIdentifier(child) {\n if (child.node.name !== "this") return;\n\n if
(!child.parentPath.isJSXMemberExpression({\n object: child.node\n }) &&
!child.parentPath.isJSXOpeningElement({\n name: child.node\n })) {\n return;\n }\n\n
thisPaths.push(child);\n },\n\n CallExpression(child) {\n if (child.get("callee").isSuper())
superCalls.push(child);\n },\n\n MemberExpression(child) {\n if (child.get("object").isSuper())
superProps.push(child);\n },\n\n ReferencedIdentifier(child) {\n if (child.node.name !== "arguments")
return;\n argumentsPaths.push(child);\n },\n\n MetaProperty(child) {\n if
(!child.get("meta").isIdentifier({\n name: "new"\n })) return;\n if
(!child.get("property").isIdentifier({\n name: "target"\n })) return;\n newTargetPaths.push(child);\n
 }\n });\n return {\n thisPaths,\n argumentsPaths,\n newTargetPaths,\n superProps,\n superCalls\n
 };\n },\n "use strict";\n\n Object.defineProperty(exports, "__esModule", {\n value: true\n});\n exports.default =
_default;\n\n var _helperGetFunctionArity = _interopRequireDefault(require("@babel/helper-get-function-
arity"));\n var _template = _interopRequireDefault(require("@babel/template"));\n var t =
_interopRequireWildcard(require("@babel/types"));\n\n function _getRequireWildcardCache() { if (typeof
WeakMap !== "function")
return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; }; return cache;
}\n\n function _interopRequireDefault(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof
obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\n function _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\n const buildPropertyMethodAssignmentWrapper
= (0, _template.default)(`\n (function (FUNCTION_KEY) {\n function FUNCTION_ID() {\n return
FUNCTION_KEY.apply(this, arguments);\n }\n\n FUNCTION_ID.toString = function () {\n return
FUNCTION_KEY.toString();\n }\n\n return FUNCTION_ID;\n })(FUNCTION)\n`);\n\n const
buildGeneratorPropertyMethodAssignmentWrapper = (0, _template.default)(`\n (function (FUNCTION_KEY) {\n
function* FUNCTION_ID() {\n return yield* FUNCTION_KEY.apply(this, arguments);\n }\n\n FUNCTION_ID.toString = function () {\n return FUNCTION_KEY.toString();\n }; \n\n return
FUNCTION_ID;\n })(FUNCTION)\n`);\n\n const visitor = {\n "ReferencedIdentifier|BindingIdentifier"(path, state)
{\n if (path.node.name !== state.name) return;\n const localDeclar =
path.scope.getBindingIdentifier(state.name);\n if (localDeclar !== state.outerDeclar) return;\n state.selfReference = true;\n path.stop();\n }\n };\n\n function getNameFromLiteralId(id)
{\n if (t.isNullLiteral(id)) {\n return "null";\n }\n\n if (t.isRegExpLiteral(id)) {\n return
`_${id.pattern}_${id.flags}`;\n }\n\n if (t.isTemplateLiteral(id)) {\n return id.quasis.map(quasi =>
quasi.value.raw).join("");\n }\n\n if (id.value !== undefined) {\n return id.value + "";\n }\n\n return

```

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 \";\n\nfunction wrap(state, method, id, scope) {\n if (state.selfReference) {\n if (scope.hasBinding(id.name)
 && !scope.hasGlobal(id.name)) {\n scope.rename(id.name);\n } else {\n if (!t.isFunction(method)) return;\n
 let build = buildPropertyMethodAssignmentWrapper;\n if (method.generator) {\n build =
 buildGeneratorPropertyMethodAssignmentWrapper;\n }\n const template = build({\n FUNCTION:
 method,\n FUNCTION_ID: id,\n FUNCTION_KEY: scope.generateUidIdentifier(id.name)\n
 }).expression;\n const params = template.callee.body.body[0].params;\n for (let i = 0, len = (0,
 _helperGetFunctionArity.default)(method);
 i < len; i++) {\n params.push(scope.generateUidIdentifier(\"x\"));\n }\n return template;\n }\n }\n
 method.id = id;\n scope.getProgramParent().references[id.name] = true;\n\n function visit(node, name, scope) {\n
 const state = {\n selfAssignment: false,\n selfReference: false,\n outerDeclar:
 scope.getBindingIdentifier(name),\n references: [],\n name: name\n };\n const binding =
 scope.getOwnBinding(name);\n if (binding) {\n if (binding.kind === \"param\") {\n state.selfReference =
 true;\n } else {\n } else if (state.outerDeclar || scope.hasGlobal(name)) {\n scope.traverse(node, visitor,
 state);\n }\n return state;\n }\n\n function _default({\n node,\n parent,\n scope,\n id\n }, localBinding = false) {\n
 if (node.id) return;\n if ((t.isObjectProperty(parent) || t.isObjectMethod(parent, {\n kind: \"method\"\n }))) &&
 (!parent.computed || t.isLiteral(parent.key))) {\n id = parent.key;\n
 } else if (t.isVariableDeclarator(parent)) {\n id = parent.id;\n if (t.isIdentifier(id) && !localBinding) {\n
 const binding = scope.parent.getBinding(id.name);\n if (binding && binding.constant &&
 scope.getBinding(id.name) === binding) {\n node.id = t.cloneNode(id);\n
 node.id[t.NOT_LOCAL_BINDING] = true;\n return;\n }\n } else if (t.isAssignmentExpression(parent,
 {\n operator: \"=\"\n }))) {\n id = parent.left;\n } else if (!id) {\n return;\n }\n let name;\n if (id &&
 t.isLiteral(id)) {\n name = getNameFromLiteralId(id);\n } else if (id && t.isIdentifier(id)) {\n name =
 id.name;\n }\n if (name === undefined) {\n return;\n }\n name = t.toBindingIdentifierName(name);\n id =
 t.identifier(name);\n id[t.NOT_LOCAL_BINDING] = true;\n const state = visit(node, name, scope);\n return
 wrap(state, node, id, scope) || node;\n}\", \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n
 value: true\n});\nexports.default = _default;\n\nvar t =
 _interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
 WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
 return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
 obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
 cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
 hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
 (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
 Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
 Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if
 (cache) { cache.set(obj, newObj); } return newObj; }\n\nfunction _default(node) {\n const params =
 node.params;\n for (let i = 0; i < params.length; i++) {\n const param = params[i];\n if
 (t.isAssignmentPattern(param) || t.isRestElement(param)) {\n return i;\n }\n }\n return
 params.length;\n}\", \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
 true\n});\nexports.default = exports.program = exports.expression = exports.statements = exports.statement =
 exports.smart = void 0;\n\nvar formatters = _interopRequireWildcard(require(\"./formatters\"));\n\nvar _builder =
 _interopRequireDefault(require(\"./builder\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
 obj.__esModule ? obj : { default: obj }; }\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
 \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
 return cache; }\n\nfunction _interopRequireWildcard(obj)
 { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !==
 \"function\") { return { default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) {
 return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty &&

```

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Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var
desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set))
{ Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache)
{ cache.set(obj, newObj); } return newObj; }\n\nconst smart = (0,
_builder.default)(formatters.smart);\n\nexports.smart = smart;\n\nconst statement = (0,
_builder.default)(formatters.statement);\n\nexports.statement = statement;\n\nconst statements = (0,
_builder.default)(formatters.statements);\n\nexports.statements = statements;\n\nconst expression
= (0, _builder.default)(formatters.expression);\n\nexports.expression = expression;\n\nconst program = (0,
_builder.default)(formatters.program);\n\nexports.program = program;\n\n\nvar _default =
Object.assign(smart.bind(undefined), {\n smart,\n statement,\n statements,\n expression,\n program,\n ast:
smart.ast\n});\n\n\nexports.default = _default;","\"use strict\";\n\n\nObject.defineProperty(exports, \"__esModule\", {\n
value: true\n});\n\n\nexports.program = exports.expression = exports.statement = exports.statements = exports.smart =
void 0;\n\n\nvar t = _interopRequireWildcard(require(\"@babel/types\"));\n\n\nfunction _getRequireWildcardCache() {
if (typeof WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache =
function () { return cache; }; return cache; }\n\n\nfunction _interopRequireWildcard(obj) { if (obj &&
obj.__esModule) { return obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return
{ default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\n\nfunction makeStatementFormatter(fn) {\n return {\n code: str =>
`/* @babel/template */;\n\n${str}`,\n validate: () => {},\n unwrap: ast => {\n return
fn(ast.program.body.slice(1));\n } }\n }\n }\n\n\nconst smart = makeStatementFormatter(body => {\n if (body.length
> 1) {\n return body;\n } else {\n return body[0];\n }\n });\n\n\nexports.smart = smart;\n\n\nconst statements =
makeStatementFormatter(body => body);\n\n\nexports.statements
= statements;\n\n\nconst statement = makeStatementFormatter(body => {\n if (body.length === 0) {\n throw new
Error(\"Found nothing to return.\");\n }\n }\n\n\n if (body.length > 1) {\n throw new Error(\"Found multiple statements
but wanted one\");\n }\n }\n\n\n return body[0];\n });\n\n\nexports.statement = statement;\n\n\nconst expression = {\n code: str
=> `(\n\n${str}\n\n)`,\n validate: ast => {\n if (ast.program.body.length > 1) {\n throw new Error(\"Found
multiple statements but wanted one\");\n }\n }\n\n\n if (expression.unwrap(ast).start === 0) {\n throw new
Error(\"Parse result included parens.\");\n }\n }\n\n\n unwrap: ({\n program\n }) => {\n const [stmt] =
program.body;\n t.assertExpressionStatement(stmt);\n return stmt.expression;\n }\n });\n\n\nexports.expression =
expression;\n\n\nconst program = {\n code: str => str,\n validate: () => {},\n unwrap: ast =>
ast.program\n};\n\n\nexports.program = program;","\"use strict\";\n\n\nObject.defineProperty(exports, \"__esModule\",
{\n value: true\n});\n\n\nexports.default = createTemplateBuilder;\n\n\nvar _options = require(\"./options\");\n\n\nvar
_string = _interopRequireDefault(require(\"./string\"));\n\n\nvar _literal =
_interopRequireDefault(require(\"./literal\"));\n\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\n\nconst NO_PLACEHOLDER = (0, _options.validate)({\n
placeholderPattern: false\n});\n\n\nfunction createTemplateBuilder(formatter, defaultOpts) {\n const
templateFnCache = new WeakMap();\n const templateAstCache = new WeakMap();\n const cachedOpts =
defaultOpts || (0, _options.validate)(null);\n return Object.assign((tpl, ...args) => {\n if (typeof tpl === \"string\")
{\n if (args.length > 1) throw new Error(\"Unexpected extra params.\");\n return extendedTrace((0,
_string.default)(formatter, tpl, (0, _options.merge)(cachedOpts, (0, _options.validate)(args[0])));\n } else if
(Array.isArray(tpl)) {\n let builder = templateFnCache.get(tpl);\n\n if (!builder) {\n builder = (0, _literal.default)(formatter, tpl, cachedOpts);\n templateFnCache.set(tpl,
builder);\n }\n\n return extendedTrace(builder(args));\n } else if (typeof tpl === \"object\" && tpl) {\n if

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(args.length > 0) throw new Error(`Unexpected extra params.`);\n return createTemplateBuilder(formatter, (0,
_options.merge)(cachedOpts, (0, _options.validate)(tpl)));;\n }\n\n throw new Error(`Unexpected template param
${typeof tpl}`);\n  }, {\n    ast: (tpl, ...args) => {\n      if (typeof tpl === `string`) {\n if (args.length > 1) throw
new Error(`Unexpected extra params.`);\n return (0, _string.default)(formatter, tpl, (0, _options.merge)((0,
_options.merge)(cachedOpts, (0, _options.validate)(args[0])), NO_PLACEHOLDER));;\n } else if
(Array.isArray(tpl)) {\n let builder = templateAstCache.get(tpl);\n\n if (!builder) {\n builder = (0,
_literal.default)(formatter,
tpl, (0, _options.merge)(cachedOpts, NO_PLACEHOLDER));\n templateAstCache.set(tpl, builder);\n }\n\n return builder(args);\n }\n\n throw new Error(`Unexpected template param ${typeof tpl}`);\n }\n });\n\n\nfunction extendedTrace(fn) {\n let rootStack = `\\n\\n`; try {\n throw new Error();\n } catch (error) {\n if (error.stack) {\n rootStack = error.stack.split(`\\n\\n`).slice(3).join(`\\n\\n`);\n }\n }\n\n return arg => {\n try {\n return fn(arg);\n } catch (err) {\n err.stack += `\\n =====\\n${rootStack}`;\n throw
err;\n }\n };`\n};\n\nObject.defineProperty(exports, `__esModule`, {\n value:
true\n});\n\nexports.default = stringTemplate;\n\nvar _options = require(`./options`);\n\nvar _parse =
_interopRequireDefault(require(`./parse`));\n\nvar _populate =
_interopRequireDefault(require(`./populate`));\n\nfunction _interopRequireDefault(obj) {\n return obj &&
obj.__esModule
? obj : {\n default: obj\n};\n\nfunction stringTemplate(formatter, code, opts) {\n code = formatter.code(code);\n let
metadata;\n return arg => {\n const replacements = (0, _options.normalizeReplacements)(arg);\n if (!metadata) {\n metadata = (0, _parse.default)(formatter, code, opts);\n return formatter.unwrap((0, _populate.default)(metadata,
replacements));\n }\n\n Object.defineProperty(exports, `__esModule`, {\n value: true\n});\n\n const
beforeExpr = true;\n const startsExpr = true;\n const isLoop = true;\n const isAssign = true;\n const prefix =
true;\n const postfix = true;\n\n class TokenType {\n constructor(label, conf = {}) {\n this.label = void 0;\n this.keyword = void 0;\n this.beforeExpr = void 0;\n this.startsExpr = void 0;\n this.rightAssociative = void
0;\n this.isLoop = void 0;\n this.isAssign = void 0;\n this.prefix = void 0;\n this.postfix = void 0;\n this.binop = void 0;\n this.updateContext = void 0;\n this.label
= label;\n this.keyword = conf.keyword;\n this.beforeExpr = !!conf.beforeExpr;\n this.startsExpr =
!!conf.startsExpr;\n this.rightAssociative = !!conf.rightAssociative;\n this.isLoop = !!conf.isLoop;\n this.isAssign = !!conf.isAssign;\n this.prefix = !!conf.prefix;\n this.postfix = !!conf.postfix;\n this.binop =
conf.binop != null ? conf.binop : null;\n this.updateContext = null;\n }\n }\n\n const keywords$1 = new
Map();\n\n function createKeyword(name, options = {}) {\n options.keyword = name;\n const token = new
TokenType(name, options);\n keywords$1.set(name, token);\n return token;\n }\n\n function createBinop(name,
binop) {\n return new TokenType(name, {\n beforeExpr,\n binop\n });\n }\n\n const types$1 = {\n num: new
TokenType(`num`, {\n startsExpr\n }),\n bigint: new TokenType(`bigint`, {\n startsExpr\n }),\n decimal:
new TokenType(`decimal`, {\n startsExpr\n }),\n regexp: new TokenType(`regexp`, {\n startsExpr\n
 }),\n string: new TokenType(`string`, {\n startsExpr\n }),\n name: new TokenType(`name`, {\n startsExpr\n }),\n privateName: new TokenType(`#name`, {\n startsExpr\n }),\n eof: new
TokenType(`eof`),\n bracketL: new TokenType(`[`, {\n beforeExpr,\n startsExpr\n }),\n bracketHashL:
new TokenType(`#[`, {\n beforeExpr,\n startsExpr\n }),\n bracketBarL: new TokenType(`[|`, {\n beforeExpr,\n startsExpr\n }),\n bracketR: new TokenType(`]`),\n bracketBarR: new TokenType(`]|`),\n braceL: new
TokenType(`{`, {\n beforeExpr,\n startsExpr\n }),\n braceBarL: new TokenType(`{|`, {\n beforeExpr,\n startsExpr\n }),\n braceHashL: new TokenType(`#{`, {\n beforeExpr,\n startsExpr\n }),\n braceR: new
TokenType(`}`),\n braceBarR: new TokenType(`}|`),\n parenL: new TokenType(`(`, {\n beforeExpr,\n startsExpr\n }),\n parenR: new TokenType(`)`),\n comma: new TokenType(`,`, {\n beforeExpr\n }),\n semi: new
TokenType(`;`, {\n beforeExpr\n }),\n colon: new TokenType(`:`, {\n beforeExpr\n }),\n doubleColon: new
TokenType(`::`, {\n beforeExpr\n }),\n dot: new TokenType(`.`),\n question: new
TokenType(`?`, {\n beforeExpr\n }),\n questionDot: new TokenType(`?.`),\n arrow: new TokenType(`=>`,

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{\n beforeExpr\n }},\n template: new TokenType("\template"),\n ellipsis: new TokenType("\...", {\n
beforeExpr\n }},\n backQuote: new TokenType("\`", {\n startsExpr\n }},\n dollarBraceL: new
TokenType("\${", {\n beforeExpr,\n startsExpr\n }},\n at: new TokenType("\@",\n hash: new
TokenType("\#", {\n startsExpr\n }},\n interpreterDirective: new TokenType("\#!..."),\n eq: new
TokenType("\=", {\n beforeExpr,\n isAssign\n }},\n assign: new TokenType("_=", {\n beforeExpr,\n
isAssign\n }},\n incDec: new TokenType("\++/--", {\n prefix,\n postfix,\n startsExpr\n }},\n bang: new
TokenType("\!", {\n
beforeExpr,\n prefix,\n startsExpr\n }},\n tilde: new TokenType("\~", {\n beforeExpr,\n prefix,\n
startsExpr\n }},\n pipeline: createBinop("\>", 0),\n nullishCoalescing: createBinop("\??", 1),\n logicalOR:
createBinop("\||", 1),\n logicalAND: createBinop("\&\&", 2),\n bitwiseOR: createBinop("\|", 3),\n bitwiseXOR:
createBinop("\^", 4),\n bitwiseAND: createBinop("\&", 5),\n equality: createBinop("\===/!===/!==", 6),\n
relational: createBinop("\</>/<=>=", 7),\n bitShift: createBinop("\<</>>>", 8),\n plusMin: new
TokenType("\+/-", {\n beforeExpr,\n binop: 9,\n prefix,\n startsExpr\n }},\n modulo: new
TokenType("\%", {\n beforeExpr,\n binop: 10,\n startsExpr\n }},\n star: new TokenType("*", {\n binop:
10\n }},\n slash: createBinop("\/", 10),\n exponent: new TokenType("**", {\n beforeExpr,\n binop: 11,\n
rightAssociative: true\n }},\n _break: createKeyword("\break"),\n _case: createKeyword("case",
{\n beforeExpr\n }},\n _catch: createKeyword("\catch"),\n _continue: createKeyword("\continue"),\n
_debugger: createKeyword("\debugger"),\n _default: createKeyword("\default", {\n beforeExpr\n }},\n _do:
createKeyword("\do", {\n isLoop,\n beforeExpr\n }},\n _else: createKeyword("\else", {\n beforeExpr\n
} },\n _finally: createKeyword("\finally"),\n _for: createKeyword("\for", {\n isLoop\n }},\n _function:
createKeyword("\function", {\n startsExpr\n }},\n _if: createKeyword("\if"),\n _return:
createKeyword("\return", {\n beforeExpr\n }},\n _switch: createKeyword("\switch"),\n _throw:
createKeyword("\throw", {\n beforeExpr,\n prefix,\n startsExpr\n }},\n _try: createKeyword("\try"),\n _var:
createKeyword("\var"),\n _const: createKeyword("const"),\n _while: createKeyword("\while", {\n isLoop\n
} },\n _with: createKeyword("\with"),\n _new: createKeyword("\new", {\n beforeExpr,\n startsExpr\n
} },\n _this: createKeyword("\this", {\n startsExpr\n }},\n _super: createKeyword("\super", {\n startsExpr\n
} },\n _class: createKeyword("\class", {\n startsExpr\n }},\n _extends: createKeyword("extends", {\n
beforeExpr\n }},\n _export: createKeyword("export"),\n _import: createKeyword("import", {\n startsExpr\n
} },\n _null: createKeyword("\null", {\n startsExpr\n }},\n _true: createKeyword("true", {\n startsExpr\n
} },\n _false: createKeyword("false", {\n startsExpr\n }},\n _in: createKeyword("\in", {\n beforeExpr,\n binop:
7\n }},\n _instanceof: createKeyword("instanceof", {\n beforeExpr,\n binop: 7\n }},\n _typeof:
createKeyword("\typeof", {\n beforeExpr,\n prefix,\n startsExpr\n }},\n _void: createKeyword("\void", {\n
beforeExpr,\n prefix,\n startsExpr\n }},\n _delete: createKeyword("\delete", {\n beforeExpr,\n prefix,\n
startsExpr\n } })\n\nconst lineBreak = /\r\n?|[\n\u2028\u2029]/;\nconst
lineBreakG = new RegExp(lineBreak.source, "g");\nfunction isNewLine(code) {\n switch (code) {\n case 10:\n
case 13:\n case 8232:\n case 8233:\n return true;\n\n default:\n return false;\n }\n}\nconst
skipWhiteSpace = /(?:\s|\\V.*|\\V*[\^]?\\V)*;/g;\nfunction isWhitespace(code) {\n switch (code) {\n case
0x0009:\n case 0x000b:\n case 0x000c:\n case 32:\n case 160:\n case 5760:\n case 0x2000:\n case
0x2001:\n case 0x2002:\n case 0x2003:\n case 0x2004:\n case 0x2005:\n case 0x2006:\n case 0x2007:\n
case 0x2008:\n case 0x2009:\n case 0x200a:\n case 0x202f:\n case 0x205f:\n case 0x3000:\n case
0xfeff:\n return true;\n\n default:\n return false;\n }\n}\n\nclass Position {\n constructor(line, col) {\n
this.line = void 0;\n this.column = void 0;\n this.line = line;\n this.column = col;\n }\n}\n\nclass
SourceLocation {\n constructor(start, end)
{\n this.start = void 0;\n this.end = void 0;\n this.filename = void 0;\n this.identifierName = void 0;\n
this.start = start;\n this.end = end;\n }\n\n}\n\nfunction getLineInfo(input, offset) {\n let line = 1;\n let lineStart =
0;\n let match;\n lineBreakG.lastIndex = 0;\n\n while ((match = lineBreakG.exec(input)) && match.index < offset)
{\n line++;\n lineStart = lineBreakG.lastIndex;\n }\n\n return new Position(line, offset - lineStart);\n }\n\n\nclass
BaseParser {\n constructor() {\n this.sawUnambiguousESM = false;\n this.ambiguousScriptDifferentAst =

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false;\n }\n\n hasPlugin(name) {\n return this.plugins.has(name);\n }\n\n getPluginOption(plugin, name) {\n if
(this.hasPlugin(plugin)) return this.plugins.get(plugin)[name];\n }\n\n\n\nfunction last(stack) {\n return
stack[stack.length - 1];\n}\n\n\nclass CommentsParser extends BaseParser {\n addComment(comment) {\n if
(this.filename) comment.loc.filename = this.filename;\n this.state.trailingComments.push(comment);\n
 this.state.leadingComments.push(comment);\n }\n\n adjustCommentsAfterTrailingComma(node, elements,
takeAllComments) {\n if (this.state.leadingComments.length === 0) {\n return;\n }\n\n let lastElement =
null;\n let i = elements.length;\n\n while (lastElement === null && i > 0) {\n lastElement = elements[--i];\n
}\n\n if (lastElement === null) {\n return;\n }\n\n for (let j = 0; j < this.state.leadingComments.length; j++)
{\n if (this.state.leadingComments[j].end < this.state.commentPreviousNode.end) {\n
this.state.leadingComments.splice(j, 1);\n j--;\n }\n }\n\n const newTrailingComments = [];\n\n for (let
i = 0; i < this.state.leadingComments.length; i++) {\n const leadingComment =
this.state.leadingComments[i];\n\n if (leadingComment.end < node.end) {\n
newTrailingComments.push(leadingComment);\n\n if (!takeAllComments) {\n
this.state.leadingComments.splice(i,
1);\n i--;\n }\n } else {\n if (node.trailingComments === undefined) {\n
node.trailingComments = [];\n\n node.trailingComments.push(leadingComment);\n }\n }\n\n if
(takeAllComments) this.state.leadingComments = [];\n\n if (newTrailingComments.length > 0) {\n
lastElement.trailingComments = newTrailingComments;\n } else if (lastElement.trailingComments !== undefined)
{\n lastElement.trailingComments = [];\n }\n\n processComment(node) {\n if (node.type ===
"Program" && node.body.length > 0) return;\n const stack = this.state.commentStack;\n let firstChild,
lastChild, trailingComments, i, j;\n\n if (this.state.trailingComments.length > 0) {\n if
(this.state.trailingComments[0].start >= node.end) {\n trailingComments = this.state.trailingComments;\n
this.state.trailingComments = [];\n } else {\n this.state.trailingComments.length =
0;\n }\n } else if (stack.length > 0) {\n const lastInStack = last(stack);\n\n if
(lastInStack.trailingComments && lastInStack.trailingComments[0].start >= node.end) {\n trailingComments =
lastInStack.trailingComments;\n delete lastInStack.trailingComments;\n }\n }\n\n if (stack.length > 0 &&
last(stack).start >= node.start) {\n firstChild = stack.pop();\n }\n\n while (stack.length > 0 && last(stack).start
>= node.start) {\n lastChild = stack.pop();\n }\n\n if (!lastChild && firstChild) lastChild = firstChild;\n\n if
(firstChild) {\n switch (node.type) {\n case "ObjectExpression":\n
this.adjustCommentsAfterTrailingComma(node, node.properties);\n break;\n\n case "ObjectPattern":\n
this.adjustCommentsAfterTrailingComma(node, node.properties, true);\n break;\n\n case
"CallExpression":\n this.adjustCommentsAfterTrailingComma(node, node.arguments);\n break;\n\n case "ArrayExpression":\n this.adjustCommentsAfterTrailingComma(node,
node.elements);\n break;\n\n case "ArrayPattern":\n
this.adjustCommentsAfterTrailingComma(node, node.elements, true);\n break;\n }\n } else if
(this.state.commentPreviousNode && (this.state.commentPreviousNode.type === "ImportSpecifier" &&
node.type !== "ImportSpecifier" || this.state.commentPreviousNode.type === "ExportSpecifier" && node.type
!== "ExportSpecifier")) {\n this.adjustCommentsAfterTrailingComma(node,
[this.state.commentPreviousNode]);\n }\n\n if (lastChild) {\n if (lastChild.leadingComments) {\n if
(lastChild !== node && lastChild.leadingComments.length > 0 && last(lastChild.leadingComments).end <=
node.start) {\n node.leadingComments = lastChild.leadingComments;\n delete
lastChild.leadingComments;\n } else {\n for (i = lastChild.leadingComments.length -
2; i >= 0; --i) {\n if (lastChild.leadingComments[i].end <= node.start) {\n node.leadingComments =
lastChild.leadingComments.splice(0, i + 1);\n break;\n }\n }\n }\n } else if
(this.state.leadingComments.length > 0) {\n if (last(this.state.leadingComments).end <= node.start) {\n if
(this.state.commentPreviousNode) {\n for (j = 0; j < this.state.leadingComments.length; j++) {\n if
(this.state.leadingComments[j].end < this.state.commentPreviousNode.end) {\n
this.state.leadingComments.splice(j, 1);\n j--;\n }\n }\n }\n }\n\n if

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(this.state.leadingComments.length > 0) {\n node.leadingComments = this.state.leadingComments;\n this.state.leadingComments = [];\n } else {\n for (i = 0; i < this.state.leadingComments.length; i++)\n if (this.state.leadingComments[i].end > node.start)\n break;\n }\n const leadingComments = this.state.leadingComments.slice(0, i);\n if (leadingComments.length) {\n node.leadingComments = leadingComments;\n }\n trailingComments = this.state.leadingComments.slice(i);\n if (trailingComments.length === 0) {\n trailingComments = null;\n }\n this.state.commentPreviousNode = node;\n if (trailingComments) {\n if (trailingComments.length && trailingComments[0].start >= node.start &&\n last(trailingComments).end <= node.end) {\n node.innerComments = trailingComments;\n } else {\n const firstTrailingCommentIndex = trailingComments.findIndex(comment => comment.end >= node.end);\n if (firstTrailingCommentIndex > 0) {\n node.innerComments = trailingComments.slice(0,\n firstTrailingCommentIndex);\n node.trailingComments =\n trailingComments.slice(firstTrailingCommentIndex);\n } else {\n node.trailingComments = trailingComments;\n }\n }\n stack.push(node);\n }\n }\n const ErrorCodes = Object.freeze({\n SyntaxError: \"BABEL_PARSER_SYNTAX_ERROR\",\n SourceTypeModuleError: \"BABEL_PARSER_SOURCETYPE_MODULE_REQUIRED\",\n });\n const ErrorMessages = makeErrorTemplates({\n AccessorIsGenerator: \"A %0ter cannot be a generator.\",\n ArgumentsInClass: \"'arguments' is only allowed in functions and class methods.\",\n AsyncFunctionInSingleStatementContext: \"Async functions can only be declared at the top level or inside a\n block.\",\n AwaitBindingIdentifier: \"Can not use 'await' as identifier inside an async function.\",\n AwaitBindingIdentifierInStaticBlock: \"Can not use 'await' as identifier inside a static block.\",\n AwaitExpressionFormalParameter: \"'await' is not allowed in async function parameters.\",\n AwaitNotInAsyncContext: \"'await' is only allowed within async functions and at the top levels of modules.\",\n AwaitNotInAsyncFunction: \"'await' is only allowed within async functions.\",\n BadGetterArity: \"A 'get' accessor\n must not have any formal parameters.\",\n BadSetterArity: \"A 'set' accessor must have exactly one formal\n parameter.\",\n BadSetterRestParameter: \"A 'set' accessor function argument must not be a rest parameter.\",\n ConstructorClassField: \"Classes may not have a field named 'constructor'.\",\n ConstructorClassPrivateField: \"Classes may not have a private field named '#constructor'.\",\n ConstructorIsAccessor: \"Class constructor may\n not be an accessor.\",\n ConstructorIsAsync: \"Constructor can't be an async function.\",\n ConstructorIsGenerator: \"Constructor can't be a generator.\",\n DeclarationMissingInitializer: \"'%0' require an initialization value.\",\n DecoratorBeforeExport: \"Decorators must be placed *before* the 'export' keyword. You can set the\n 'decoratorsBeforeExport' option to false to use the 'export @decorator class {}' syntax.\",\n DecoratorConstructor: \"Decorators can't be used with a constructor. Did you mean '@dec class { ... }'?\",\n DecoratorExportClass: \"Using the export keyword between a decorator and a class is not allowed. Please use\n `export @dec class`\n instead.\",\n DecoratorSemicolon: \"Decorators must not be followed by a semicolon.\",\n DecoratorStaticBlock: \"Decorators can't be used with a static block.\",\n DeletePrivateField: \"Deleting a private field is not allowed.\",\n DestructureNamedImport: \"ES2015 named imports do not destructure. Use another statement for destructuring after\n the import.\",\n DuplicateConstructor: \"Duplicate constructor in the same class.\",\n DuplicateDefaultExport: \"Only one default export allowed per module.\",\n DuplicateExport: \"'%0` has already been exported. Exported\n identifiers must be unique.\",\n DuplicateProto: \"Redefinition of __proto__ property.\",\n DuplicateRegExpFlags: \"Duplicate regular expression flag.\",\n ElementAfterRest: \"Rest element must be\n last element.\",\n EscapedCharNotAnIdentifier: \"Invalid Unicode escape.\",\n ExportBindingIsString: \"A string\n literal cannot be used as an exported binding without `from`.\\n- Did you mean `export { '%0' as '%1' } from 'some-
module'?\",\n ExportDefaultFromAsIdentifier: \"'from' is not allowed as an identifier after 'export default'.\",\n ForInOfLoopInitializer: \"'%0' loop variable declaration may not have an initializer.\",\n ForOfAsync: \"The left-
hand side of a for-of loop may not be 'async'.\",\n ForOfLet: \"The left-hand side of a for-of loop may not start with
'let'.\",\n GeneratorInSingleStatementContext: \"Generators can only be declared at the top level or inside a\n block.\",\n IllegalBreakContinue: \"Unsyntactic %0.\",\n IllegalLanguageModeDirective: \"Illegal 'use strict'

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directive in function with non-simple parameter list.\",\n IllegalReturn: '\"return' outside of function.\",\n ImportBindingIsString: 'A string literal cannot be used as an imported binding.\",\n Did you mean `import { \"%0\" as foo }`?\",\n ImportCallArgumentTrailingComma: '\"Trailing comma is disallowed inside import(...) arguments.\",\n ImportCallArity: '\"import()` requires exactly %0.\",\n ImportCallNotNewExpression: '\"Cannot use new with import(...).\",\n ImportCallSpreadArgument: '\"...` is not allowed in `import()`.\",\n InvalidBigIntLiteral: '\"Invalid BigIntLiteral.\",\n InvalidCodePoint: '\"Code point out of bounds.\",\n InvalidDecimal: '\"Invalid decimal.\",\n InvalidDigit: '\"Expected number in radix %0.\",\n InvalidEscapeSequence: '\"Bad character escape sequence.\",\n InvalidEscapeSequenceTemplate: '\"Invalid escape sequence in template.\",\n InvalidEscapedReservedWord: '\"Escape sequence in keyword %0.\",\n InvalidIdentifier: '\"Invalid identifier %0.\",\n InvalidLhs: '\"Invalid left-hand side in %0.\",\n InvalidLhsBinding: '\"Binding invalid left-hand side in %0.\",\n InvalidNumber: '\"Invalid number.\",\n InvalidOrMissingExponent: '\"Floating-point numbers require a valid exponent after the 'e'.\",\n InvalidOrUnexpectedToken: '\"Unexpected character '%0'.\",\n InvalidParenthesizedAssignment: '\"Invalid parenthesized assignment pattern.\",\n InvalidPrivateFieldResolution: '\"Private name #%0 is not defined.\",\n InvalidPropertyBindingPattern: '\"Binding member expression.\",\n InvalidRecordProperty: '\"Only properties and spread elements are allowed in record definitions.\",\n InvalidRestAssignmentPattern: '\"Invalid rest operator's argument.\",\n LabelRedeclaration: '\"Label '%0' is already declared.\",\n LetInLexicalBinding: '\"let' is not allowed to be used as a name in 'let' or 'const' declarations.\",\n LineTerminatorBeforeArrow: '\"No line break is allowed before '=>'.\",\n MalformedRegExpFlags: '\"Invalid regular expression flag.\",\n MissingClassName: '\"A class name is required.\",\n MissingEqInAssignment: '\"Only '=' operator can be used for specifying default value.\",\n MissingSemicolon: '\"Missing semicolon.\",\n MissingUnicodeEscape: '\"Expecting Unicode escape sequence \\uXXXX.\",\n MixingCoalesceWithLogical: '\"Nullish coalescing operator(??) requires parens when mixing with logical operators.\",\n ModuleAttributeDifferentFromType: '\"The only accepted module attribute is `type`.\",\n ModuleAttributeInvalidValue: '\"Only string literals are allowed as module attribute values.\",\n ModuleAttributesWithDuplicateKeys: 'Duplicate key \"%0\" is not allowed in module attributes.',\n ModuleExportNameHasLoneSurrogate: '\"An export name cannot include a lone surrogate, found \"\\u%0'.\",\n ModuleExportUndefined: '\"Export '%0' is not defined.\",\n MultipleDefaultsInSwitch: '\"Multiple default clauses.\",\n NewlineAfterThrow: '\"Illegal newline after throw.\",\n NoCatchOrFinally: '\"Missing catch or finally clause.\",\n NumberIdentifier: '\"Identifier directly after number.\",\n NumericSeparatorInEscapeSequence: '\"Numeric separators are not allowed inside unicode escape sequences or hex escape sequences.\",\n ObsoleteAwaitStar: '\"await\* has been removed from the async functions proposal. Use Promise.all() instead.\",\n OptionalChainingNoNew: '\"Constructors in/after an Optional Chain are not allowed.\",\n OptionalChainingNoTemplate: '\"Tagged Template Literals are not allowed in optionalChain.\",\n OverrideOnConstructor: '\"override' modifier cannot appear on a constructor declaration.\",\n ParamDupe: '\"Argument name clash.\",\n PatternHasAccessor: '\"Object pattern can't contain getter or setter.\",\n PatternHasMethod: '\"Object pattern can't contain methods.\",\n PipelineBodyNoArrow: 'Unexpected arrow \"=>\" after pipeline body; arrow function in pipeline body must be parenthesized.',\n PipelineBodySequenceExpression: '\"Pipeline body may not be a comma-separated sequence expression.\",\n PipelineHeadSequenceExpression: '\"Pipeline head should not be a comma-separated sequence expression.\",\n PipelineTopicUnused: '\"Pipeline is in topic style but does not use topic reference.\",\n PrimaryTopicNotAllowed: '\"Topic reference was used in a lexical context without topic binding.\",\n PrimaryTopicRequiresSmartPipeline: '\"Primary Topic Reference found but pipelineOperator not passed 'smart' for 'proposal' option.\",\n PrivateInExpectedIn: '\"Private names are only allowed in property accesses ( obj.#%0 ) or in `in` expressions ( #%0 in obj ).\",\n PrivateNameRedeclaration: '\"Duplicate private name #%0.\",\n RecordExpressionBarIncorrectEndSyntaxType: '\"Record expressions ending with `}` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.\", \n RecordExpressionBarIncorrectStartSyntaxType: '\"Record expressions starting with `{` are only allowed when the



'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.',\n

RecordExpressionHashIncorrectStartSyntaxType: \"Record expressions starting with '#{ ' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'.',\n

RecordNoProto: \"\_\_proto\_\_ is not allowed in Record expressions.',\n

RestTrailingComma: \"Unexpected trailing comma after rest element.',\n

SloppyFunction: \"In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement.',\n

StaticPrototype: \"Classes may not have static property named prototype.',\n

StrictDelete: \"Deleting local variable in strict mode.',\n

StrictEvalArguments: \"Assigning to '%0' in strict mode.',\n

StrictEvalArgumentsBinding: \"Binding '%0' in strict mode.',\n

StrictFunction: \"In strict mode code, functions can only be declared at top level or inside a block.',\n

StrictNumericEscape: \"The only valid numeric escape in strict mode is '\\\\0'.',\n

StrictOctalLiteral: \"Legacy octal literals are not allowed in strict mode.',\n

StrictWith: \"'with' in strict mode.',\n

SuperNotAllowed: \"`super()` is only valid inside a class constructor of a subclass. Maybe a typo in the method name ('constructor') or not extending another class?\", \n

SuperPrivateField: \"Private fields can't be accessed on super.',\n

TrailingDecorator: \"Decorators must be attached to a class element.',\n

TupleExpressionBarIncorrectEndSyntaxType: \"Tuple expressions ending with ']' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.',\n

TupleExpressionBarIncorrectStartSyntaxType: \"Tuple expressions starting with '[' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.',\n

TupleExpressionHashIncorrectStartSyntaxType: \"Tuple expressions starting with '#[' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'.',\n

UnexpectedArgumentPlaceholder: \"Unexpected argument placeholder.',\n

UnexpectedAwaitAfterPipelineBody: \"Unexpected 'await' after pipeline body; await must have parentheses in minimal proposal.',\n

UnexpectedDigitAfterHash: \"Unexpected digit after hash token.',\n

UnexpectedImportExport: \"'import' and 'export' may only appear at the top level.',\n

UnexpectedKeyword: \"Unexpected keyword '%0'.',\n

UnexpectedLeadingDecorator: \"Leading decorators must be attached to a class declaration.',\n

UnexpectedLexicalDeclaration: \"Lexical declaration cannot appear in a single-statement context.',\n

UnexpectedNewTarget: \"`new.target` can only be used in functions or class properties.',\n

UnexpectedNumericSeparator: \"A numeric separator is only allowed between two digits.',\n

UnexpectedPrivateField: \"Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() { } }) or a property of member expression (i.e. this.#p).',\n

UnexpectedReservedWord: \"Unexpected reserved word '%0'.',\n

UnexpectedSuper: \"'super' is only allowed in object methods and classes.',\n

UnexpectedToken: \"Unexpected token '%0'.',\n

UnexpectedTokenUnaryExponentiation: \"Illegal expression. Wrap left hand side or entire exponentiation in parentheses.',\n

UnsupportedBind: \"Binding should be performed on object property.',\n

UnsupportedDecoratorExport: \"A decorated export must export a class declaration.',\n

UnsupportedDefaultExport: \"Only expressions, functions or classes are allowed as the `default` export.',\n

UnsupportedImport: \"`import` can only be used in `import()` or `import.meta`.',\n

UnsupportedMetaProperty: \"The only valid meta property for %0 is %0.%1.',\n

UnsupportedParameterDecorator: \"Decorators cannot be used to decorate parameters.',\n

UnsupportedPropertyDecorator: \"Decorators cannot be used to decorate object literal properties.',\n

UnsupportedSuper: \"'super' can only be used with function calls (i.e. super()) or in property accesses (i.e. super.prop or super[prop]).',\n

UnterminatedComment: \"Unterminated comment.',\n

UnterminatedRegExp: \"Unterminated regular expression.',\n

UnterminatedString: \"Unterminated string constant.',\n

UnterminatedTemplate: \"Unterminated template.',\n

VarRedeclaration: \"Identifier '%0' has already been declared.',\n

YieldBindingIdentifier: \"Can not use 'yield' as identifier inside a generator.',\n

YieldInParameter: \"Yield expression is not allowed in formal parameters.',\n

ZeroDigitNumericSeparator: \"Numeric separator can not be used after leading 0.',\n

ErrorCodes.SyntaxError);\nconst SourceTypeModuleErrorMessages = makeErrorTemplates({\n

ImportMetaOutsideModule: `import.meta may appear only with 'sourceType: 'module'`,\n

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ImportOutsideModule: `import` and `export` may appear only with `sourceType: \"module\"`,
ErrorCodes.SourceTypeModuleError);\n\nfunction makeErrorTemplates(messages, code) {\n const templates =
 {};\n Object.keys(messages).forEach(reasonCode => {\n templates[reasonCode] = Object.freeze({\n code,\n reasonCode,\n template: messages[reasonCode]\n });\n });\n return Object.freeze(templates);\n}\n\nclass
ParserError extends CommentsParser {\n getLocationForPosition(pos)
 {\n let loc;\n if (pos === this.state.start) loc = this.state.startLoc;else if (pos === this.state.lastTokStart) loc =
 this.state.lastTokStartLoc;else if (pos === this.state.end) loc = this.state.endLoc;else if (pos ===
 this.state.lastTokEnd) loc = this.state.lastTokEndLoc;else loc = getLineInfo(this.input, pos);\n return loc;\n }\n\n raise(pos, {\n code,\n reasonCode,\n template\n }, ...params) {\n return this.raiseWithData(pos, {\n
 code,\n reasonCode\n }, template, ...params);\n }\n\n raiseOverwrite(pos, {\n code,\n template\n },
 ...params) {\n const loc = this.getLocationForPosition(pos);\n const message = template.replace(/%(\\d+)/g, (_, i)
=> params[i]) + ` (${loc.line}:${loc.column})`; \n\n if (this.options.errorRecovery) {\n const errors =
this.state.errors;\n for (let i = errors.length - 1; i >= 0; i--) {\n const error = errors[i];\n if (error.pos
=== pos) {\n return Object.assign(error,
 {\n message\n });\n } else if (error.pos < pos) {\n break;\n }\n }\n return
this._raise({\n code,\n loc,\n pos\n }, message);\n }\n\n raiseWithData(pos, data, errorTemplate,
 ...params) {\n const loc = this.getLocationForPosition(pos);\n const message =
errorTemplate.replace(/%(\\d+)/g, (_, i) => params[i]) + ` (${loc.line}:${loc.column})`; \n return
this._raise(Object.assign({\n loc,\n pos\n }, data), message);\n }\n\n _raise(errorContext, message) {\n
const err = new SyntaxError(message);\n Object.assign(err, errorContext);\n\n if (this.options.errorRecovery) {\n
 if (!this.isLookahead) this.state.errors.push(err);\n return err;\n } else {\n throw err;\n }\n }\n\n var
estree = (superClass => class extends superClass {\n estreeParseRegExpLiteral({\n pattern,\n flags\n }) {\n
let regex = null;\n try {\n regex =
 new RegExp(pattern, flags);\n } catch (e) {\n const node = this.estreeParseLiteral(regex);\n node.regex =
{\n pattern,\n flags\n }; \n return node;\n }\n\n estreeParseBigIntLiteral(value) {\n let bigInt;\n try
{\n bigInt = BigInt(value);\n } catch (_unused) {\n bigInt = null;\n }\n const node =
this.estreeParseLiteral(bigInt);\n node.bigint = String(node.value || value);\n return node;\n }\n\n estreeParseDecimalLiteral(value) {\n const decimal = null;\n const node = this.estreeParseLiteral(decimal);\n
node.decimal = String(node.value || value);\n return node;\n }\n\n estreeParseLiteral(value) {\n return
this.parseLiteral(value, \"Literal\");\n }\n\n directiveToStmt(directive) {\n const directiveLiteral =
directive.value;\n const stmt = this.startNodeAt(directive.start, directive.loc.start);\n const expression =
this.startNodeAt(directiveLiteral.start, directiveLiteral.loc.start);\n expression.value
 = directiveLiteral.extra.expressionValue;\n expression.raw = directiveLiteral.extra.raw;\n stmt.expression =
this.finishNodeAt(expression, \"Literal\", directiveLiteral.end, directiveLiteral.loc.end);\n stmt.directive =
directiveLiteral.extra.raw.slice(1, -1);\n return this.finishNodeAt(stmt, \"ExpressionStatement\", directive.end,
directive.loc.end);\n }\n\n initFunction(node, isAsync) {\n super.initFunction(node, isAsync);\n node.expression = false;\n }\n\n checkDeclaration(node) {\n if (node != null && this.isObjectProperty(node)) {\n
 this.checkDeclaration(node.value);\n } else {\n super.checkDeclaration(node);\n }\n }\n\n getObjectOrClassMethodParams(method) {\n return method.value.params;\n }\n\n isValidDirective(stmt) {\n var
_stmt$expression$extr;\n return stmt.type === \"ExpressionStatement\" && stmt.expression.type ===
\"Literal\" && typeof stmt.expression.value === \"string\" && !((_stmt$expression$extr = stmt.expression.extra)
!= null && _stmt$expression$extr.parenthesized);\n }\n\n stmtToDirective(stmt) {\n const directive =
super.stmtToDirective(stmt);\n const value = stmt.expression.value;\n this.addExtra(directive.value,
\"expressionValue\", value);\n return directive;\n }\n\n parseBlockBody(node, ...args) {\n super.parseBlockBody(node, ...args);\n const directiveStatements = node.directives.map(d =>
this.directiveToStmt(d));\n node.body = directiveStatements.concat(node.body);\n delete node.directives;\n }\n\n pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n this.parseMethod(method, isGenerator, isAsync, isConstructor, allowsDirectSuper, \"ClassMethod\", true);\n if

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(method.typeParameters) {\n method.value.typeParameters = method.typeParameters;\n delete
method.typeParameters;\n } \n\n classBody.body.push(method);\n } \n\n parseExprAtom(refExpressionErrors)
{\n switch (this.state.type)
 {\n case types$1.num:\n case types$1.string:\n return this.estreeParseLiteral(this.state.value);\n\n case
types$1.regex:\n return this.estreeParseRegExpLiteral(this.state.value);\n\n case types$1.bigint:\n
return this.estreeParseBigIntLiteral(this.state.value);\n\n case types$1.decimal:\n return
this.estreeParseDecimalLiteral(this.state.value);\n\n case types$1._null:\n return
this.estreeParseLiteral(null);\n\n case types$1._true:\n return this.estreeParseLiteral(true);\n\n case
types$1._false:\n return this.estreeParseLiteral(false);\n\n default:\n return
super.parseExprAtom(refExpressionErrors);\n } \n } \n\n parseMaybePrivateName(...args) {\n const node =
super.parseMaybePrivateName(...args);\n\n if (node.type === \"PrivateName\" &&
this.getPluginOption(\"estree\", \"classFeatures\")) {\n return
this.convertPrivateNameToPrivateIdentifier(node);\n } \n\n return node;\n
}\n\n convertPrivateNameToPrivateIdentifier(node) {\n const name = super.getPrivateNameSV(node);\n node
= node;\n delete node.id;\n node.name = name;\n node.type = \"PrivateIdentifier\";\n return node;\n } \n\n
isPrivateName(node) {\n if (!this.getPluginOption(\"estree\", \"classFeatures\")) {\n return
super.isPrivateName(node);\n } \n\n return node.type === \"PrivateIdentifier\";\n } \n\n
getPrivateNameSV(node) {\n if (!this.getPluginOption(\"estree\", \"classFeatures\")) {\n return
super.getPrivateNameSV(node);\n } \n\n return node.name;\n } \n\n parseLiteral(value, type, startPos, startLoc)
{\n const node = super.parseLiteral(value, type, startPos, startLoc);\n node.raw = node.extra.raw;\n delete
node.extra;\n return node;\n } \n\n parseFunctionBody(node, allowExpression, isMethod = false) {\n
super.parseFunctionBody(node, allowExpression, isMethod);\n node.expression = node.body.type !==
\"BlockStatement\";\n
}\n\n parseMethod(node, isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope = false) {\n
let funcNode = this.startNode();\n funcNode.kind = node.kind;\n funcNode = super.parseMethod(funcNode,
isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope);\n funcNode.type =
\"FunctionExpression\";\n delete funcNode.kind;\n node.value = funcNode;\n\n if (type ===
\"ClassPrivateMethod\") {\n node.computed = false;\n } \n\n type = \"MethodDefinition\";\n return
this.finishNode(node, type);\n } \n\n parseClassProperty(...args) {\n const propertyNode =
super.parseClassProperty(...args);\n\n if (this.getPluginOption(\"estree\", \"classFeatures\")) {\n
propertyNode.type = \"PropertyDefinition\";\n } \n\n return propertyNode;\n } \n\n
parseClassPrivateProperty(...args) {\n const propertyNode = super.parseClassPrivateProperty(...args);\n\n if
(this.getPluginOption(\"estree\", \"classFeatures\")) {\n
propertyNode.type = \"PropertyDefinition\";\n propertyNode.computed = false;\n } \n\n return
propertyNode;\n } \n\n parseObjectMethod(prop, isGenerator, isAsync, isPattern, isAccessor) {\n const node =
super.parseObjectMethod(prop, isGenerator, isAsync, isPattern, isAccessor);\n\n if (node) {\n node.type =
\"Property\";\n if (node.kind === \"method\") node.kind = \"init\";\n node.shorthand = false;\n } \n\n return
node;\n } \n\n parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors) {\n const node =
super.parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors);\n\n if (node) {\n node.kind
= \"init\";\n node.type = \"Property\";\n } \n\n return node;\n } \n\n toAssignable(node, isLHS = false) {\n if
(node !== null && this.isObjectProperty(node)) {\n this.toAssignable(node.value, isLHS);\n return node;\n
}\n\n return super.toAssignable(node, isLHS);\n } \n\n toAssignableObjectExpressionProp(prop,
...args) {\n if (prop.kind === \"get\" || prop.kind === \"set\") {\n this.raise(prop.key.start,
ErrorMessages.PatternHasAccessor);\n } else if (prop.method) {\n this.raise(prop.key.start,
ErrorMessages.PatternHasMethod);\n } else {\n super.toAssignableObjectExpressionProp(prop, ...args);\n } \n
}\n\n finishCallExpression(node, optional) {\n super.finishCallExpression(node, optional);\n\n if
(node.callee.type === \"Import\") {\n node.type = \"ImportExpression\";\n node.source =
node.arguments[0];\n\n if (this.hasPlugin(\"importAssertions\")) {\n var _node$arguments$;\n

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node.attributes = (_node$arguments$ = node.arguments[1]) != null ? _node$arguments$: null;\n }\n\n delete
node.arguments;\n delete node.callee;\n }\n\n return node;\n }\n\n toReferencedArguments(node) {\n if
(node.type === \"ImportExpression\") {\n return;\n }\n\n super.toReferencedArguments(node);\n
 }\n\n parseExport(node) {\n super.parseExport(node);\n\n switch (node.type) {\n case
\"ExportAllDeclaration\":\n node.exported = null;\n break;\n\n case \"ExportNamedDeclaration\":\n
if (node.specifiers.length === 1 && node.specifiers[0].type === \"ExportNamespaceSpecifier\") {\n node.type
= \"ExportAllDeclaration\";\n node.exported = node.specifiers[0].exported;\n delete node.specifiers;\n
 }\n\n break;\n }\n\n return node;\n }\n\n parseSubscript(base, startPos, startLoc, noCalls, state) {\n const
node = super.parseSubscript(base, startPos, startLoc, noCalls, state);\n\n if (state.optionalChainMember) {\n if
(node.type === \"OptionalMemberExpression\" || node.type === \"OptionalCallExpression\") {\n node.type =
node.type.substring(8);\n }\n\n if (state.stop) {\n const chain = this.startNodeAtNode(node);\n
chain.expression = node;\n return
this.finishNode(chain, \"ChainExpression\");\n }\n } else if (node.type === \"MemberExpression\" || node.type
=== \"CallExpression\") {\n node.optional = false;\n }\n\n return node;\n }\n\n hasPropertyAsPrivateName(node) {\n if (node.type === \"ChainExpression\") {\n node = node.expression;\n
 }\n\n return super.hasPropertyAsPrivateName(node);\n }\n\n isOptionalChain(node) {\n return node.type ===
\"ChainExpression\";\n }\n\n isObjectProperty(node) {\n return node.type === \"Property\" && node.kind ===
\"init\" && !node.method;\n }\n\n isObjectMethod(node) {\n return node.method || node.kind === \"get\" ||
node.kind === \"set\";\n }\n\n }\n\n class TokContext {\n constructor(token, isExpr, preserveSpace, override) {\n
this.token = token;\n this.isExpr = isExpr;\n this.preserveSpace = preserveSpace;\n this.override = void 0;\n
this.token = token;\n this.isExpr = !!isExpr;\n this.preserveSpace = !!preserveSpace;\n this.override
= override;\n }\n\n }\n\n const types = {\n braceStatement: new TokContext(\"{\", false),\n braceExpression: new
TokContext(\"{\", true),\n recordExpression: new TokContext(\"#{\", true),\n templateQuasi: new
TokContext(\"${\", false),\n parenStatement: new TokContext(\"(\", false),\n parenExpression: new
TokContext(\"(\", true),\n template: new TokContext(\"`\", true, true, p => p.readTplToken()),\n functionExpression: new TokContext(\"function\", true),\n functionStatement: new TokContext(\"function\",
false)\n };\n\n types$.parenR.updateContext = types$.braceR.updateContext = function () {\n if
(this.state.context.length === 1) {\n this.state.exprAllowed = true;\n return;\n }\n\n let out =
this.state.context.pop();\n\n if (out === types.braceStatement && this.curContext().token === \"function\") {\n
out = this.state.context.pop();\n }\n\n this.state.exprAllowed = !out.isExpr;\n };\n\n types$.name.updateContext =
function (prevType) {\n let allowed =
false;\n\n if (prevType !== types$.dot) {\n if (this.state.value === \"of\" && !this.state.exprAllowed &&
prevType !== types$._function && prevType !== types$._class) {\n allowed = true;\n }\n\n }\n\n this.state.exprAllowed = allowed;\n };\n\n types$.braceL.updateContext = function (prevType) {\n
this.state.context.push(this.braceIsBlock(prevType) ? types.braceStatement : types.braceExpression);\n
this.state.exprAllowed = true;\n };\n\n types$.dollarBraceL.updateContext = function () {\n
this.state.context.push(types.templateQuasi);\n this.state.exprAllowed = true;\n };\n\n types$.parenL.updateContext
= function (prevType) {\n const statementParens = prevType === types$._if || prevType === types$._for ||
prevType === types$._with || prevType === types$._while;\n this.state.context.push(statementParens ?
types.parenStatement : types.parenExpression);\n this.state.exprAllowed =
true;\n };\n\n types$.incDec.updateContext = function () {};\n\n types$._function.updateContext
= types$._class.updateContext = function (prevType) {\n if (prevType.beforeExpr && prevType !==
types$._semi && prevType !== types$._else && !(prevType === types$._return &&
this.hasPrecedingLineBreak()) && !(prevType === types$._colon || prevType === types$._braceL) &&
this.curContext() === types.b_stat)) {\n this.state.context.push(types.functionExpression);\n } else {\n
this.state.context.push(types.functionStatement);\n }\n\n this.state.exprAllowed =
false;\n };\n\n types$.backQuote.updateContext = function () {\n if (this.curContext() === types.template) {\n
this.state.context.pop();\n } else {\n this.state.context.push(types.template);\n }\n\n this.state.exprAllowed =

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false;\n};\n\nntypes$1.braceHashL.updateContext = function () {\n this.state.context.push(types.recordExpression);\n this.state.exprAllowed = true;\n};\n\nlet nonASCIIIdentifierStartChars = 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10, 176, 2, 54, 14, 32, 9, 16, 3, 46, 10, 54, 9, 7, 2, 37, 13, 2, 9, 6, 1, 45, 0, 13, 2, 49, 13, 9, 3, 2, 11, 83, 11, 7, 0, 161,
11, 6, 9, 7, 3, 56, 1, 2, 6, 3, 1, 3, 2, 10, 0, 11, 1, 3, 6, 4, 4, 193, 17, 10, 9, 5, 0, 82, 19, 13, 9, 214, 6, 3, 8, 28, 1, 83, 16,
16, 9, 82, 12, 9, 9, 84, 14, 5, 9, 243, 14, 166, 9, 71, 5, 2, 1, 3, 3, 2, 0, 2, 1, 13, 9, 120, 6, 3, 6, 4, 0, 29, 9, 41, 6, 2, 3, 9,
0, 10, 10, 47, 15, 406, 7, 2, 7, 17, 9, 57, 21, 2, 13, 123, 5, 4, 0, 2, 1, 2, 6, 2, 0, 9, 9, 49, 4, 2, 1, 2, 4, 9, 9, 330, 3,
19306, 9, 135, 4, 60, 6, 26, 9, 1014, 0, 2, 54, 8, 3, 82, 0, 12, 1, 19628, 1, 5319, 4, 4, 5, 9, 7, 3, 6, 31, 3, 149, 2, 1418,
49, 513, 54, 5, 49, 9, 0, 15, 0, 23, 4, 2, 14, 1361, 6, 2, 16, 3, 6, 2, 1, 2, 4, 262, 6, 10, 9, 419, 13, 1495, 6, 110, 6, 6, 9,
4759, 9, 787719, 239];\n\nfunction isInAstralSet(code, set) {\n let pos = 0x10000;\n\n for (let i = 0, length = set.length; i < length; i += 2) {\n pos += set[i];\n if (pos > code) return false;\n pos +=
set[i + 1];\n if (pos >= code) return true;\n }\n return false;\n}\n\nfunction isIdentifierStart(code) {\n if (code <
65) return code === 36;\n if (code <= 90) return true;\n if (code < 97) return code === 95;\n if (code <= 122)
return true;\n\n if (code <= 0xffff) {\n return code >= 0xaa &&
nonASCIIIdentifierStart.test(String.fromCharCode(code));\n }\n return isInAstralSet(code,
astralIdentifierStartCodes);\n}\n\nfunction isIdentifierChar(code) {\n if (code < 48) return code === 36;\n if (code <
58) return true;\n if (code < 65) return false;\n if (code <= 90) return true;\n if (code < 97) return code === 95;\n if
(code <= 122) return true;\n\n if (code <= 0xffff) {\n return code >= 0xaa &&
nonASCIIIdentifier.test(String.fromCharCode(code));\n }\n return isInAstralSet(code, astralIdentifierStartCodes)
|| isInAstralSet(code, astralIdentifierCodes);\n}\n\nconst
reservedWords = {\n keyword: ["break", "case", "catch", "continue", "debugger", "default", "do", "else",
"finally", "for", "function", "if", "return", "switch", "throw", "try", "var", "const", "while", "with",
"new", "this", "super", "class", "extends", "export", "import", "null", "true", "false", "in",
"instanceof", "typeof", "void", "delete"],\n strict: ["implements", "interface", "let", "package",
"private", "protected", "public", "static", "yield"],\n strictBind: ["eval", "arguments"]\n};\nconst keywords
= new Set(reservedWords.keyword);\nconst reservedWordsStrictSet = new Set(reservedWords.strict);\nconst
reservedWordsStrictBindSet = new Set(reservedWords.strictBind);\nfunction isReservedWord(word, inModule) {\n
return inModule && word === "await" || word === "enum";\n}\n\nfunction isStrictReservedWord(word,
inModule) {\n return isReservedWord(word, inModule)
|| reservedWordsStrictSet.has(word);\n}\n\nfunction isStrictBindOnlyReservedWord(word) {\n return
reservedWordsStrictBindSet.has(word);\n}\n\nfunction isStrictBindReservedWord(word, inModule) {\n return
isStrictReservedWord(word, inModule) || isStrictBindOnlyReservedWord(word);\n}\n\nfunction isKeyword(word)
{\n return keywords.has(word);\n}\n\nconst keywordRelationalOperator = /^in(stanceof)?$/;\nfunction
isIteratorStart(current, next) {\n return current === 64 && next === 64;\n}\n\nconst SCOPE_OTHER =
0b0000000000,\n SCOPE_PROGRAM = 0b0000000001,\n SCOPE_FUNCTION = 0b0000000010,\n
SCOPE_ARROW = 0b0000000100,\n SCOPE_SIMPLE_CATCH = 0b0000001000,\n SCOPE_SUPER =
0b0000010000,\n SCOPE_DIRECT_SUPER = 0b0001000000,\n SCOPE_CLASS = 0b0010000000,\n
SCOPE_STATIC_BLOCK = 0b0100000000,\n SCOPE_TS_MODULE = 0b1000000000,\n SCOPE_VAR =
SCOPE_PROGRAM | SCOPE_FUNCTION | SCOPE_TS_MODULE;\nconst BIND_KIND_VALUE =
0b00000000000001,\n BIND_KIND_TYPE = 0b00000000000010,\n
BIND_SCOPE_VAR = 0b0000000000100,\n BIND_SCOPE_LEXICAL = 0b0000000001000,\n
BIND_SCOPE_FUNCTION = 0b0000000010000,\n BIND_FLAGS_NONE = 0b0000001000000,\n
BIND_FLAGS_CLASS = 0b0000010000000,\n BIND_FLAGS_TS_ENUM = 0b0001000000000,\n
BIND_FLAGS_TS_CONST_ENUM = 0b0010000000000,\n BIND_FLAGS_TS_EXPORT_ONLY =
0b0100000000000,\n BIND_FLAGS_FLOW_DECLARE_FN = 0b1000000000000;\nconst BIND_CLASS =

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BIND_KIND_VALUE | BIND_KIND_TYPE | BIND_SCOPE_LEXICAL | BIND_FLAGS_CLASS,\n
BIND_LEXICAL = BIND_KIND_VALUE | 0 | BIND_SCOPE_LEXICAL | 0,\n BIND_VAR =
BIND_KIND_VALUE | 0 | BIND_SCOPE_VAR | 0,\n BIND_FUNCTION = BIND_KIND_VALUE | 0 |
BIND_SCOPE_FUNCTION | 0,\n BIND_TS_INTERFACE = 0 | BIND_KIND_TYPE | 0 |
BIND_FLAGS_CLASS,\n BIND_TS_TYPE = 0 | BIND_KIND_TYPE | 0 | 0,\n BIND_TS_ENUM =
BIND_KIND_VALUE | BIND_KIND_TYPE | BIND_SCOPE_LEXICAL | BIND_FLAGS_TS_ENUM,\n
BIND_TS_AMBIENT = 0 | 0 | 0 | BIND_FLAGS_TS_EXPORT_ONLY,\n
 BIND_NONE = 0 | 0 | 0 | BIND_FLAGS_NONE,\n BIND_OUTSIDE = BIND_KIND_VALUE | 0 | 0 |
BIND_FLAGS_NONE,\n BIND_TS_CONST_ENUM = BIND_TS_ENUM |
BIND_FLAGS_TS_CONST_ENUM,\n BIND_TS_NAMESPACE = 0 | 0 | 0 |
BIND_FLAGS_TS_EXPORT_ONLY,\n BIND_FLOW_DECLARE_FN =
BIND_FLAGS_FLOW_DECLARE_FN;\nconst CLASS_ELEMENT_FLAG_STATIC = 0b100,\nCLASS_ELEMENT_KIND_GETTER = 0b010,\n CLASS_ELEMENT_KIND_SETTER = 0b001,\nCLASS_ELEMENT_KIND_ACCESSOR = CLASS_ELEMENT_KIND_GETTER |
CLASS_ELEMENT_KIND_SETTER;\nconst CLASS_ELEMENT_STATIC_GETTER =
CLASS_ELEMENT_KIND_GETTER | CLASS_ELEMENT_FLAG_STATIC,\nCLASS_ELEMENT_STATIC_SETTER = CLASS_ELEMENT_KIND_SETTER |
CLASS_ELEMENT_FLAG_STATIC,\n CLASS_ELEMENT_INSTANCE_GETTER =
CLASS_ELEMENT_KIND_GETTER,\n CLASS_ELEMENT_INSTANCE_SETTER =
CLASS_ELEMENT_KIND_SETTER,\n CLASS_ELEMENT_OTHER = 0;\n\nclass Scope {\n
 constructor(flags) {\n this.flags = void 0;\n this.var = [];\n this.lexical = [];\n this.functions =
 [];\n this.flags = flags;\n }\n\n \n\nclass ScopeHandler {\n constructor(raise, inModule) {\n this.scopeStack =
 [];\n this.undefinedExports = new Map();\n this.undefinedPrivateNames = new Map();\n this.raise = raise;\n this.inModule = inModule;\n }\n\n get inFunction() {\n return (this.currentVarScope().flags &
 SCOPE_FUNCTION) > 0;\n }\n\n get allowSuper() {\n return (this.currentThisScope().flags & SCOPE_SUPER)
 > 0;\n }\n\n get allowDirectSuper() {\n return (this.currentThisScope().flags & SCOPE_DIRECT_SUPER) > 0;\n }\n\n get inClass() {\n return (this.currentThisScope().flags & SCOPE_CLASS) > 0;\n }\n\n get inStaticBlock()
 {\n return (this.currentThisScope().flags & SCOPE_STATIC_BLOCK) > 0;\n }\n\n get inNonArrowFunction()
 {\n return (this.currentThisScope().flags & SCOPE_FUNCTION) > 0;\n }\n\n get treatFunctionsAsVar() {\n
 return this.treatFunctionsAsVarInScope(this.currentScope());\n }\n\n createScope(flags) {\n return new
 Scope(flags);\n }\n\n enter(flags) {\n this.scopeStack.push(this.createScope(flags));\n }\n\n exit() {\n
 this.scopeStack.pop();\n }\n\n treatFunctionsAsVarInScope(scope) {\n return !(scope.flags &
 SCOPE_FUNCTION || !this.inModule && scope.flags & SCOPE_PROGRAM);\n }\n\n declareName(name,
 bindingType, pos) {\n let scope = this.currentScope();\n\n if (bindingType & BIND_SCOPE_LEXICAL ||
 bindingType & BIND_SCOPE_FUNCTION) {\n this.checkRedeclarationInScope(scope, name, bindingType,
 pos);\n\n if (bindingType & BIND_SCOPE_FUNCTION) {\n scope.functions.push(name);\n } else {\n
 scope.lexical.push(name);\n }\n\n if (bindingType & BIND_SCOPE_LEXICAL) {\n
 this.maybeExportDefined(scope, name);\n }\n } else if (bindingType & BIND_SCOPE_VAR) {\n for (let i
 = this.scopeStack.length - 1; i >= 0; --i) {\n scope = this.scopeStack[i];\n
 this.checkRedeclarationInScope(scope, name, bindingType, pos);\n
 scope.var.push(name);\n this.maybeExportDefined(scope, name);\n if (scope.flags & SCOPE_VAR)
 break;\n }\n }\n\n if (this.inModule && scope.flags & SCOPE_PROGRAM) {\n
 this.undefinedExports.delete(name);\n }\n }\n\n maybeExportDefined(scope, name) {\n if (this.inModule &&
 scope.flags & SCOPE_PROGRAM) {\n this.undefinedExports.delete(name);\n }\n }\n\n checkRedeclarationInScope(scope, name, bindingType, pos) {\n if (this.isRedeclaredInScope(scope, name,
 bindingType)) {\n this.raise(pos, ErrorMessages.VarRedeclaration, name);\n }\n }\n\n isRedeclaredInScope(scope, name, bindingType) {\n if (!(bindingType & BIND_KIND_VALUE)) return
 false;\n\n if (bindingType & BIND_SCOPE_LEXICAL) {\n return scope.lexical.indexOf(name) > -1 ||

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scope.functions.indexOf(name) > -1 || scope.var.indexOf(name) > -1;\n }\n\n if (bindingType &
BIND_SCOPE_FUNCTION) {\n return scope.lexical.indexOf(name) > -1 ||
!this.treatFunctionsAsVarInScope(scope)
&& scope.var.indexOf(name) > -1;\n }\n\n return scope.lexical.indexOf(name) > -1 && !(scope.flags &
SCOPE_SIMPLE_CATCH && scope.lexical[0] === name) || !this.treatFunctionsAsVarInScope(scope) &&
scope.functions.indexOf(name) > -1;\n }\n\n checkLocalExport(id) {\n if
(this.scopeStack[0].lexical.indexOf(id.name) === -1 && this.scopeStack[0].var.indexOf(id.name) === -1 &&
this.scopeStack[0].functions.indexOf(id.name) === -1) {\n this.undefinedExports.set(id.name, id.start);\n }\n
}\n\n currentScope() {\n return this.scopeStack[this.scopeStack.length - 1];\n }\n\n currentVarScope() {\n for
(let i = this.scopeStack.length - 1; i-->) {\n const scope = this.scopeStack[i];\n\n if (scope.flags &
SCOPE_VAR) {\n return scope;\n }\n }\n\n currentThisScope() {\n for (let i =
this.scopeStack.length - 1; i-->) {\n const scope = this.scopeStack[i];\n\n if ((scope.flags & SCOPE_VAR ||
scope.flags & SCOPE_CLASS) &&
!(scope.flags & SCOPE_ARROW)) {\n return scope;\n }\n }\n }\n }\n\n class FlowScope extends Scope
{\n constructor(...args) {\n super(...args);\n this.declareFunctions = [];\n }\n }\n\n class FlowScopeHandler
extends ScopeHandler {\n createScope(flags) {\n return new FlowScope(flags);\n }\n\n declareName(name,
bindingType, pos) {\n const scope = this.currentScope();\n\n if (bindingType &
BIND_FLAGS_FLOW_DECLARE_FN) {\n this.checkRedeclarationInScope(scope, name, bindingType, pos);\n
 this.maybeExportDefined(scope, name);\n scope.declareFunctions.push(name);\n return;\n }\n\n super.declareName(...arguments);\n }\n\n isRedeclaredInScope(scope, name, bindingType) {\n if
(super.isRedeclaredInScope(...arguments)) return true;\n\n if (bindingType &
BIND_FLAGS_FLOW_DECLARE_FN) {\n return !scope.declareFunctions.includes(name) &&
(scope.lexical.includes(name) || scope.functions.includes(name));\n }\n\n return false;\n }\n\n checkLocalExport(id) {\n if (this.scopeStack[0].declareFunctions.indexOf(id.name) === -1) {\n
 super.checkLocalExport(id);\n }\n }\n }\n\n const reservedTypes = new Set([\n "_", "any", "bool", "boolean",
"empty", "extends", "false", "interface", "mixed", "null", "number", "static", "string", "true",
"typeof", "void"\n]);\n const FlowErrors = makeErrorTemplates({\n AmbiguousConditionalArrow: "Ambiguous
expression: wrap the arrow functions in parentheses to disambiguate.",\n AmbiguousDeclareModuleKind: "Found
both `declare module.exports` and `declare export` in the same module. Modules can only have 1 since they are
either an ES module or they are a CommonJS module.",\n AssignReservedType: "Cannot overwrite reserved type
%0.",\n DeclareClassElement: "The `declare` modifier can only appear on class fields.",\n DeclareClassFieldInitializer: "Initializers are not allowed in fields with the `declare` modifier.",\n DuplicateDeclareModuleExports:
"\nDuplicate `declare module.exports` statement.",\n EnumBooleanMemberNotInitialized: "Boolean enum
members need to be initialized. Use either `%0 = true,` or `%0 = false,` in enum `%1`.",\n EnumDuplicateMemberName: "Enum member names need to be unique, but the name `%0` has already been used
before in enum `%1`.",\n EnumInconsistentMemberValues: "Enum `%0` has inconsistent member initializers.
Either use no initializers, or consistently use literals (either booleans, numbers, or strings) for all member
initializers.",\n EnumInvalidExplicitType: "Enum type `%1` is not valid. Use one of `boolean`, `number`, `string`,
or `symbol` in enum `%0`.",\n EnumInvalidExplicitTypeUnknownSupplied: "Supplied enum type is not valid.
Use one of `boolean`, `number`, `string`, or `symbol` in enum `%0`.",\n EnumInvalidMemberInitializerPrimaryType: "Enum `%0` has type `%2`, so the initializer of `%1` needs to be a %2
literal.",\n EnumInvalidMemberInitializerSymbolType:
"\nSymbol enum members cannot be initialized. Use `%1,` in enum `%0`.",\n EnumInvalidMemberInitializerUnknownType: "The enum member initializer for `%1` needs to be a literal (either a
boolean, number, or string) in enum `%0`.",\n EnumInvalidMemberName: "Enum member names cannot start
with lowercase 'a' through 'z'. Instead of using `%0`, consider using `%1`, in enum `%2`.",\n EnumNumberMemberNotInitialized: "Number enum members need to be initialized, e.g. `%1 = 1` in enum

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%0`.\",\n EnumStringMemberInconsistentlyInitialized: \"String enum members need to consistently either all use
initializers, or use no initializers, in enum `%0`.\",\n GetterMayNotHaveThisParam: \"A getter cannot have a `this`
parameter.\",\n ImportTypeShorthandOnlyInPureImport: \"The `type` and `typeof` keywords on named imports can
only be used on regular `import` statements. It cannot be used with `import type` or `import typeof` statements.\",\n
InexactInsideExact: \"Explicit inexact syntax cannot
appear inside an explicit exact object type.\",\n InexactInsideNonObject: \"Explicit inexact syntax cannot appear in
class or interface definitions.\",\n InexactVariance: \"Explicit inexact syntax cannot have variance.\",\n
InvalidNonTypeImportInDeclareModule: \"Imports within a `declare module` body must always be `import type` or
`import typeof`.\",\n MissingTypeParamDefault: \"Type parameter declaration needs a default, since a preceding
type parameter declaration has a default.\",\n NestedDeclareModule: \"`declare module` cannot be used inside
another `declare module`.\",\n NestedFlowComment: \"Cannot have a flow comment inside another flow
comment.\",\n OptionalBindingPattern: \"A binding pattern parameter cannot be optional in an implementation
signature.\",\n SetterMayNotHaveThisParam: \"A setter cannot have a `this` parameter.\",\n SpreadVariance:
\"Spread properties cannot have variance.\",\n ThisParamAnnotationRequired: \"A type annotation is required for
the `this`
parameter.\",\n ThisParamBannedInConstructor: \"Constructors cannot have a `this` parameter; constructors don't
bind `this` like other functions.\",\n ThisParamMayNotBeOptional: \"The `this` parameter cannot be optional.\",\n
ThisParamMustBeFirst: \"The `this` parameter must be the first function parameter.\",\n ThisParamNoDefault:
\"The `this` parameter may not have a default value.\",\n TypeBeforeInitializer: \"Type annotations must come
before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.\",\n TypeCastInPattern:
\"The type cast expression is expected to be wrapped with parenthesis.\",\n UnexpectedExplicitInexactInObject:
\"Explicit inexact syntax must appear at the end of an inexact object.\",\n UnexpectedReservedType: \"Unexpected
reserved type %0.\",\n UnexpectedReservedUnderscore: \"`_` is only allowed as a type argument to call or new.\",\n
UnexpectedSpaceBetweenModuloChecks: \"Spaces between `%` and `checks` are not allowed here.\",\n
UnexpectedSpreadType: \"Spread operator cannot appear in class or interface definitions.\",\n
UnexpectedSubtractionOperand: \"Unexpected token, expected `number` or `bigint`.\",\n
UnexpectedTokenAfterTypeParameter: \"Expected an arrow function after this type parameter declaration.\",\n
UnexpectedTypeParameterBeforeAsyncArrowFunction: \"Type parameters must come after the async keyword, e.g.
instead of ` async () => {}`, use `async <T>() => {}`.\",\n UnsupportedDeclareExportKind: \"`declare export
%0` is not supported. Use `%1` instead.\",\n UnsupportedStatementInDeclareModule: \"Only declares and type
imports are allowed inside declare module.\",\n UnterminatedFlowComment: \"Unterminated flow-comment.\""},\n
ErrorCodes.SyntaxError);\n\nfunction isEsModuleType(bodyElement) {\n return bodyElement.type ===
\"DeclareExportAllDeclaration\" || bodyElement.type === \"DeclareExportDeclaration\" &&
(!bodyElement.declaration || bodyElement.declaration.type !== \"TypeAlias\" && bodyElement.declaration.type
!== \"InterfaceDeclaration\");\n}\n\nfunction hasTypeImportKind(node) {\n return node.importKind === \"type\" ||
node.importKind === \"typeof\";\n}\n\nfunction isMaybeDefaultImport(state) {\n return (state.type ===
types$1.name || !state.type.keyword) && state.value !== \"from\";\n}\n\nconst exportSuggestions = {\n const:
\"declare export var\", \n let: \"declare export var\", \n type: \"export type\", \n interface: \"export
interface\", \n}\n\nfunction partition(list, test) {\n const list1 = [];\n const list2 = [];\n\n for (let i = 0; i < list.length;
i++) {\n (test(list[i], i, list) ? list1 : list2).push(list[i]);\n }\n\n return [list1, list2];\n}\n\nconst
FLOW_PRAGMA_REGEX = /^(?!\s*@((?:no)?flow))\b/;\n\nvar flow = (superClass => class extends superClass {\n
 constructor(...args) {\n super(...args);\n this.flowPragma = undefined;\n }\n\n getScopeHandler() {\n return
FlowScopeHandler;\n }\n\n shouldParseTypes() {\n return this.getPluginOption(\"flow\",
 \"all\") || this.flowPragma === \"flow\";\n }\n\n shouldParseEnums() {\n return !!this.getPluginOption(\"flow\",
 \"enums\");\n }\n\n finishToken(type, val) {\n if (type !== types$1.string && type !== types$1.semi && type
!== types$1.interpreterDirective) {\n if (this.flowPragma === undefined) {\n this.flowPragma = null;\n
 }\n }\n\n return super.finishToken(type, val);\n }\n\n addComment(comment) {\n if (this.flowPragma ===
 undefined) {\n const matches = FLOW_PRAGMA_REGEX.exec(comment.value);\n\n if (!matches) ; else if

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(matches[1] === "flow") {\n this.flowPragma = "flow";\n } else if (matches[1] === "noflow") {\n
this.flowPragma = "noflow";\n } else {\n throw new Error("Unexpected flow pragma");\n }\n }\n\n
return super.addComment(comment);\n }\n\n flowParseTypeInitialiser(tok) {\n const oldInType =
this.state.inType;\n this.state.inType = true;\n this.expect(tok
 || types$1.colon);\n const type = this.flowParseType();\n this.state.inType = oldInType;\n return type;\n }\n\n
flowParsePredicate() {\n const node = this.startNode();\n const moduloPos = this.state.start;\n this.next();\n
this.expectContextual("checks");\n\n if (this.state.lastTokStart > moduloPos + 1) {\n this.raise(moduloPos,
FlowErrors.UnexpectedSpaceBetweenModuloChecks);\n }\n\n if (this.eat(types$1.parenL)) {\n node.value =
this.parseExpression();\n this.expect(types$1.parenR);\n return this.finishNode(node,
"DeclaredPredicate");\n } else {\n return this.finishNode(node, "InferredPredicate");\n }\n }\n\n
flowParseTypeAndPredicateInitialiser() {\n const oldInType = this.state.inType;\n this.state.inType = true;\n
this.expect(types$1.colon);\n let type = null;\n let predicate = null;\n\n if (this.match(types$1.modulo)) {\n
this.state.inType = oldInType;\n predicate = this.flowParsePredicate();\n
 } else {\n type = this.flowParseType();\n this.state.inType = oldInType;\n\n if
(this.match(types$1.modulo)) {\n predicate = this.flowParsePredicate();\n }\n }\n\n return [type,
predicate];\n }\n\n flowParseDeclareClass(node) {\n this.next();\n this.flowParseInterfaceish(node, true);\n
return this.finishNode(node, "DeclareClass");\n }\n\n flowParseDeclareFunction(node) {\n this.next();\n const
id = node.id = this.parseIdentifier();\n const typeNode = this.startNode();\n const typeContainer =
this.startNode();\n\n if (this.isRelational("<")) {\n typeNode.typeParameters =
this.flowParseTypeParameterDeclaration();\n } else {\n typeNode.typeParameters = null;\n }\n\n
this.expect(types$1.parenL);\n const tmp = this.flowParseFunctionTypeParams();\n typeNode.params =
tmp.params;\n typeNode.rest = tmp.rest;\n typeNode.this = tmp._this;\n this.expect(types$1.parenR);\n
[typeNode.returnType,
node.predicate] = this.flowParseTypeAndPredicateInitialiser();\n typeContainer.typeAnnotation =
this.finishNode(typeNode, "FunctionTypeAnnotation");\n id.typeAnnotation = this.finishNode(typeContainer,
"TypeAnnotation");\n this.resetEndLocation(id);\n this.semicolon();\n this.scope.declareName(node.id.name,
BIND_FLOW_DECLARE_FN, node.id.start);\n return this.finishNode(node, "DeclareFunction");\n }\n\n
flowParseDeclare(node, insideModule) {\n if (this.match(types$1._class)) {\n return
this.flowParseDeclareClass(node);\n } else if (this.match(types$1._function)) {\n return
this.flowParseDeclareFunction(node);\n } else if (this.match(types$1._var)) {\n return
this.flowParseDeclareVariable(node);\n } else if (this.eatContextual("module")) {\n if
(this.match(types$1.dot)) {\n return this.flowParseDeclareModuleExports(node);\n } else {\n if
(insideModule) {\n this.raise(this.state.lastTokStart,
FlowErrors.NestedDeclareModule);\n }\n\n return this.flowParseDeclareModule(node);\n }\n } else if
(this.isContextual("type")) {\n return this.flowParseDeclareTypeAlias(node);\n } else if
(this.isContextual("opaque")) {\n return this.flowParseDeclareOpaqueType(node);\n } else if
(this.isContextual("interface")) {\n return this.flowParseDeclareInterface(node);\n } else if
(this.match(types$1._export)) {\n return this.flowParseDeclareExportDeclaration(node, insideModule);\n } else
{\n throw this.unexpected();\n }\n }\n\n flowParseDeclareVariable(node) {\n this.next();\n node.id =
this.flowParseTypeAnnotatableIdentifier(true);\n this.scope.declareName(node.id.name, BIND_VAR,
node.id.start);\n this.semicolon();\n return this.finishNode(node, "DeclareVariable");\n }\n\n
flowParseDeclareModule(node) {\n this.scope.enter(SCOPE_OTHER);\n\n if (this.match(types$1.string)) {\n
node.id
= this.parseExprAtom();\n } else {\n node.id = this.parseIdentifier();\n }\n\n const bodyNode = node.body
= this.startNode();\n const body = bodyNode.body = [];\n this.expect(types$1.braceL);\n\n while
(!this.match(types$1.braceR)) {\n let bodyNode = this.startNode();\n\n if (this.match(types$1._import)) {\n
this.next();\n\n if (!this.isContextual("type") && !this.match(types$1._typeof)) {\n
this.raise(this.state.lastTokStart, FlowErrors.InvalidNonTypeImportInDeclareModule);\n }\n\n

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this.parseImport(bodyNode);\n } else {\n this.expectContextual(\"declare\",
FlowErrors.UnsupportedStatementInDeclareModule);\n bodyNode = this.flowParseDeclare(bodyNode, true);\n }\n body.push(bodyNode);\n }\n this.scope.exit();\n this.expect(types$1.braceR);\n this.finishNode(bodyNode, \"BlockStatement\");\n let kind = null;\n let hasModuleExport = false;\n body.forEach(bodyElement
=> {\n if (isEsModuleType(bodyElement)) {\n if (kind === \"CommonJS\") {\n this.raise(bodyElement.start, FlowErrors.AmbiguousDeclareModuleKind);\n }\n kind = \"ES\";\n }
else if (bodyElement.type === \"DeclareModuleExports\") {\n if (hasModuleExport) {\n this.raise(bodyElement.start, FlowErrors.DuplicateDeclareModuleExports);\n }\n if (kind === \"ES\") {\n this.raise(bodyElement.start, FlowErrors.AmbiguousDeclareModuleKind);\n }\n kind =
\"CommonJS\";\n hasModuleExport = true;\n }\n node.kind = kind || \"CommonJS\";\n return
this.finishNode(node, \"DeclareModule\");\n }\n flowParseDeclareExportDeclaration(node, insideModule) {\n this.expect(types$1._export);\n if (this.eat(types$1._default)) {\n if (this.match(types$1._function) ||
this.match(types$1._class)) {\n node.declaration = this.flowParseDeclare(this.startNode());\n } else {\n node.declaration = this.flowParseType();\n this.semicolon();\n }\n node.default = true;\n return
this.finishNode(node, \"DeclareExportDeclaration\");\n } else {\n if (this.match(types$1._const) || this.isLet() ||
(this.isContextual(\"type\") || this.isContextual(\"interface\")) && !insideModule) {\n const label =
this.state.value;\n const suggestion = exportSuggestions[label];\n throw this.raise(this.state.start,
FlowErrors.UnsupportedDeclareExportKind, label, suggestion);\n }\n if (this.match(types$1._var) ||
this.match(types$1._function) || this.match(types$1._class) || this.isContextual(\"opaque\")) {\n node.declaration = this.flowParseDeclare(this.startNode());\n node.default = false;\n return
this.finishNode(node, \"DeclareExportDeclaration\");\n } else if (this.match(types$1.star) ||
this.match(types$1.braceL) || this.isContextual(\"interface\") || this.isContextual(\"type\")
|| this.isContextual(\"opaque\")) {\n node = this.parseExport(node);\n if (node.type ===
\"ExportNamedDeclaration\") {\n node.type = \"ExportDeclaration\";\n node.default = false;\n delete node.exportKind;\n }\n node.type = \"Declare\" + node.type;\n return node;\n }\n }\n throw this.unexpected();\n }\n flowParseDeclareModuleExports(node) {\n this.next();\n this.expectContextual(\"exports\");\n node.typeAnnotation = this.flowParseTypeAnnotation();\n this.semicolon();\n return this.finishNode(node, \"DeclareModuleExports\");\n }\n flowParseDeclareTypeAlias(node) {\n this.next();\n this.flowParseTypeAlias(node);\n node.type =
\"DeclareTypeAlias\";\n return node;\n }\n flowParseDeclareOpaqueType(node) {\n this.next();\n this.flowParseOpaqueType(node, true);\n node.type = \"DeclareOpaqueType\";\n return node;\n }\n flowParseDeclareInterface(node)
{\n this.next();\n this.flowParseInterfaceish(node);\n return this.finishNode(node, \"DeclareInterface\");\n }\n flowParseInterfaceish(node, isClass = false) {\n node.id = this.flowParseRestrictedIdentifier(!isClass,
true);\n this.scope.declareName(node.id.name, isClass ? BIND_FUNCTION : BIND_LEXICAL,
node.id.start);\n if (this.isRelational(\"<\")) {\n node.typeParameters =
this.flowParseTypeParameterDeclaration();\n } else {\n node.typeParameters = null;\n }\n node.extends =
[];\n node.implements = [];\n node.mixins = [];\n if (this.eat(types$1._extends)) {\n do {\n node.extends.push(this.flowParseInterfaceExtends());\n } while (!isClass && this.eat(types$1.comma));\n }\n if (this.isContextual(\"mixins\")) {\n this.next();\n do {\n node.mixins.push(this.flowParseInterfaceExtends());\n } while (this.eat(types$1.comma));\n }\n if
(this.isContextual(\"implements\")) {\n this.next();\n do {\n node.implements.push(this.flowParseInterfaceExtends());\n } while
(this.eat(types$1.comma));\n }\n node.body = this.flowParseObjectType({\n allowStatic: isClass,\n allowExact: false,\n allowSpread: false,\n allowProto: isClass,\n allowInexact: false\n });\n }\n flowParseInterfaceExtends() {\n const node = this.startNode();\n node.id =
this.flowParseQualifiedTypeIdentifier();\n if (this.isRelational(\"<\")) {\n node.typeParameters =

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this.flowParseTypeParameterInstantiation();\n } else {\n node.typeParameters = null;\n }\n\n return
this.finishNode(node, \"InterfaceExtends\");\n }\n\n flowParseInterface(node) {\n
this.flowParseInterfaceish(node);\n return this.finishNode(node, \"InterfaceDeclaration\");\n }\n\n
checkNotUnderscore(word) {\n if (word === \"_\") {\n this.raise(this.state.start,
FlowErrors.UnexpectedReservedUnderscore);\n }\n }\n\n checkReservedType(word,
startLoc, declaration) {\n if (!reservedTypes.has(word)) return;\n this.raise(startLoc, declaration ?
FlowErrors.AssignReservedType : FlowErrors.UnexpectedReservedType, word);\n }\n\n
flowParseRestrictedIdentifier(liberal, declaration) {\n this.checkReservedType(this.state.value, this.state.start,
declaration);\n return this.parseIdentifier(liberal);\n }\n\n flowParseTypeAlias(node) {\n node.id =
this.flowParseRestrictedIdentifier(false, true);\n this.scope.declareName(node.id.name, BIND_LEXICAL,
node.id.start);\n\n if (this.isRelational(\"<\")) {\n node.typeParameters =
this.flowParseTypeParameterDeclaration();\n } else {\n node.typeParameters = null;\n }\n\n node.right =
this.flowParseTypeInitialiser(types$1.eq);\n this.semicolon();\n return this.finishNode(node, \"TypeAlias\");\n }\n\n
flowParseOpaqueType(node, declare) {\n this.expectContextual(\"type\");\n node.id =
this.flowParseRestrictedIdentifier(true,
true);\n this.scope.declareName(node.id.name, BIND_LEXICAL, node.id.start);\n\n if (this.isRelational(\"<\"))
{\n node.typeParameters = this.flowParseTypeParameterDeclaration();\n } else {\n node.typeParameters =
null;\n }\n\n node.supertype = null;\n\n if (this.match(types$1.colon)) {\n node.supertype =
this.flowParseTypeInitialiser(types$1.colon);\n }\n\n node.impltype = null;\n\n if (!declare) {\n
node.impltype = this.flowParseTypeInitialiser(types$1.eq);\n }\n\n this.semicolon();\n return
this.finishNode(node, \"OpaqueType\");\n }\n\n
flowParseTypeParameter(requireDefault = false) {\n const
nodeStart = this.state.start;\n const node = this.startNode();\n const variance = this.flowParseVariance();\n
const ident = this.flowParseTypeAnnotatableIdentifier();\n node.name = ident.name;\n node.variance =
variance;\n node.bound = ident.typeAnnotation;\n\n if (this.match(types$1.eq)) {\n this.eat(types$1.eq);\n
node.default = this.flowParseType();\n } else {\n if (requireDefault) {\n this.raise(nodeStart,
FlowErrors.MissingTypeParamDefault);\n }\n }\n\n return this.finishNode(node, \"TypeParameter\");\n }\n\n
flowParseTypeParameterDeclaration() {\n const oldInType = this.state.inType;\n const node =
this.startNode();\n node.params = [];\n this.state.inType = true;\n\n if (this.isRelational(\"<\") ||
this.match(types$1.jsxTagStart)) {\n this.next();\n } else {\n this.unexpected();\n }\n\n let
defaultRequired = false;\n\n do {\n const typeParameter = this.flowParseTypeParameter(defaultRequired);\n
node.params.push(typeParameter);\n\n if (typeParameter.default) {\n defaultRequired = true;\n }\n\n if
(!this.isRelational(\">\")) {\n this.expect(types$1.comma);\n }\n } while (!this.isRelational(\">\"));\n\n
this.expectRelational(\">\");\n this.state.inType = oldInType;\n
return this.finishNode(node, \"TypeParameterDeclaration\");\n }\n\n
flowParseTypeParameterInstantiation() {\n const node = this.startNode();\n const oldInType = this.state.inType;\n
node.params = [];\n this.state.inType = true;\n this.expectRelational(\"<\");\n const oldNoAnonFunctionType =
this.state.noAnonFunctionType;\n this.state.noAnonFunctionType = false;\n\n while (!this.isRelational(\">\")) {\n
node.params.push(this.flowParseType());\n\n if (!this.isRelational(\">\")) {\n this.expect(types$1.comma);\n
}\n }\n\n this.state.noAnonFunctionType = oldNoAnonFunctionType;\n this.expectRelational(\">\");\n
this.state.inType = oldInType;\n return this.finishNode(node, \"TypeParameterInstantiation\");\n }\n\n
flowParseTypeParameterInstantiationCallOrNew() {\n const node = this.startNode();\n const oldInType =
this.state.inType;\n node.params = [];\n this.state.inType = true;\n this.expectRelational(\"<\");\n\n
while (!this.isRelational(\">\")) {\n node.params.push(this.flowParseTypeOrImplicitInstantiation());\n\n if
(!this.isRelational(\">\")) {\n this.expect(types$1.comma);\n }\n }\n\n this.expectRelational(\">\");\n
this.state.inType = oldInType;\n return this.finishNode(node, \"TypeParameterInstantiation\");\n }\n\n
flowParseInterfaceType() {\n const node = this.startNode();\n this.expectContextual(\"interface\");\n
node.extends = [];\n\n if (this.eat(types$1._extends)) {\n do {\n
node.extends.push(this.flowParseInterfaceExtends());\n } while (this.eat(types$1.comma));\n }\n\n node.body

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= this.flowParseObjectType({\n allowStatic: false,\n allowExact: false,\n allowSpread: false,\n allowProto: false,\n allowInexact: false\n });\n return this.finishNode(node, \"InterfaceTypeAnnotation\");\n}\n\n flowParseObjectPropertyKey() {\n return this.match(types$1.num) || this.match(types$1.string)\n ? this.parseExprAtom() : this.parseIdentifier(true);\n}\n\n flowParseObjectTypeIndexer(node, isStatic, variance)\n{\n node.static = isStatic;\n if (this.lookahead().type === types$1.colon) {\n node.id =\n this.flowParseObjectPropertyKey();\n node.key = this.flowParseTypeInitialiser();\n } else {\n node.id =\n null;\n node.key = this.flowParseType();\n }\n this.expect(types$1.bracketR);\n node.value =\n this.flowParseTypeInitialiser();\n node.variance = variance;\n return this.finishNode(node,\n \"ObjectTypeIndexer\");\n}\n\n flowParseObjectTypeInternalSlot(node, isStatic) {\n node.static = isStatic;\n node.id = this.flowParseObjectPropertyKey();\n this.expect(types$1.bracketR);\n this.expect(types$1.bracketR);\n if (this.isRelational(\"<\") || this.match(types$1.parenL)) {\n node.method =\n true;\n node.optional = false;\n node.value = this.flowParseObjectTypeMethodish(this.startNodeAt(node.start,\n node.loc.start));\n } else {\n node.method = false;\n if (this.eat(types$1.question)) {\n node.optional =\n true;\n }\n node.value = this.flowParseTypeInitialiser();\n }\n return this.finishNode(node,\n \"ObjectTypeInternalSlot\");\n}\n\n flowParseObjectTypeMethodish(node) {\n node.params = [];\n node.rest =\n null;\n node.typeParameters = null;\n node.this = null;\n if (this.isRelational(\"<\")) {\n node.typeParameters = this.flowParseTypeParameterDeclaration();\n }\n this.expect(types$1.parenL);\n if\n (this.match(types$1._this)) {\n node.this = this.flowParseFunctionTypeParam(true);\n node.this.name =\n null;\n if (!this.match(types$1.parenR)) {\n this.expect(types$1.comma);\n }\n }\n while\n (!this.match(types$1.parenR) && !this.match(types$1.ellipsis)) {\n node.params.push(this.flowParseFunctionTypeParam(false));\n if (!this.match(types$1.parenR)) {\n this.expect(types$1.comma);\n }\n }\n if (this.eat(types$1.ellipsis)) {\n node.rest = this.flowParseFunctionTypeParam(false);\n }\n this.expect(types$1.parenR);\n node.returnType = this.flowParseTypeInitialiser();\n return this.finishNode(node,\n \"FunctionTypeAnnotation\");\n}\n\n flowParseObjectTypeCallProperty(node, isStatic) {\n const valueNode =\n this.startNode();\n node.static = isStatic;\n node.value = this.flowParseObjectTypeMethodish(valueNode);\n return this.finishNode(node, \"ObjectTypeCallProperty\");\n}\n\n flowParseObjectType({\n allowStatic,\n allowExact,\n allowSpread,\n allowProto,\n allowInexact\n }) {\n const oldInType = this.state.inType;\n this.state.inType = true;\n const nodeStart = this.startNode();\n nodeStart.callProperties = [];\n nodeStart.properties = [];\n nodeStart.indexers = [];\n nodeStart.internalSlots = [];\n let endDelim;\n let\n exact;\n let inexact = false;\n\n if (allowExact && this.match(types$1.braceBarL)) {\n this.expect(types$1.braceBarL);\n endDelim =\n types$1.braceBarR;\n exact = true;\n } else {\n this.expect(types$1.braceL);\n endDelim =\n types$1.braceR;\n exact = false;\n }\n nodeStart.exact = exact;\n while (!this.match(endDelim)) {\n let isStatic = false;\n let protoStart = null;\n let inexactStart = null;\n const node = this.startNode();\n\n if (allowProto && this.isContextual(\"proto\")) {\n const lookahead = this.lookahead();\n if\n (lookahead.type !== types$1.colon && lookahead.type !== types$1.question) {\n this.next();\n protoStart\n = this.state.start;\n allowStatic = false;\n }\n if (allowStatic && this.isContextual(\"static\")) {\n const lookahead = this.lookahead();\n if (lookahead.type !== types$1.colon && lookahead.type !==\n types$1.question) {\n this.next();\n\n isStatic = true;\n }\n }\n const variance = this.flowParseVariance();\n if\n (this.eat(types$1.bracketL)) {\n if (protoStart != null) {\n this.unexpected(protoStart);\n }\n if\n (this.eat(types$1.bracketL)) {\n if (variance) {\n this.unexpected(variance.start);\n }\n nodeStart.internalSlots.push(this.flowParseObjectTypeInternalSlot(node, isStatic));\n } else {\n nodeStart.indexers.push(this.flowParseObjectTypeIndexer(node, isStatic, variance));\n }\n } else if\n (this.match(types$1.parenL) || this.isRelational(\"<\")) {\n if (protoStart != null) {\n this.unexpected(protoStart);\n }\n if (variance) {\n this.unexpected(variance.start);\n }\n nodeStart.callProperties.push(this.flowParseObjectTypeCallProperty(node, isStatic));\n } else {\n let kind =

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 \"init\";\n\n if (this.isContextual(\"get\"))
 || this.isContextual(\"set\")) {\n const lookahead = this.lookahead();\n if (lookahead.type ===
types$1.name || lookahead.type === types$1.string || lookahead.type === types$1.num) {\n kind =
this.state.value;\n this.next();\n }\n }\n\n const propOrInexact =
this.flowParseObjectTypeProperty(node, isStatic, protoStart, variance, kind, allowSpread, allowInexact != null ?
allowInexact : !exact);\n\n if (propOrInexact === null) {\n inexact = true;\n inexactStart =
this.state.lastTokStart;\n } else {\n nodeStart.properties.push(propOrInexact);\n }\n}\n\nthis.flowObjectTypeSemicolon();\n\nif (inexactStart && !this.match(types$1.braceR) &&
!this.match(types$1.braceBarR)) {\n this.raise(inexactStart, FlowErrors.UnexpectedExplicitInexactInObject);\n}\n}\n}\n\nthis.expect(endDelim);\n\nif (allowSpread) {\n nodeStart.inexact = inexact;\n}\n\nconst out = this.finishNode(nodeStart, \"ObjectTypeAnnotation\");\n\nthis.state.inType = oldInType;\nreturn out;\n}\n\nflowParseObjectTypeProperty(node, isStatic, protoStart, variance, kind, allowSpread,
allowInexact) {\n if (this.eat(types$1.ellipsis)) {\n const isInexactToken = this.match(types$1.comma) ||
this.match(types$1.semi) || this.match(types$1.braceR) || this.match(types$1.braceBarR);\n\n if (isInexactToken)
{\n if (!allowSpread) {\n this.raise(this.state.lastTokStart, FlowErrors.InexactInsideNonObject);\n }
else if (!allowInexact) {\n this.raise(this.state.lastTokStart, FlowErrors.InexactInsideExact);\n }\n\n if
(variance) {\n this.raise(variance.start, FlowErrors.InexactVariance);\n }\n\n return null;\n }\n }\n\n if (!allowSpread) {\n this.raise(this.state.lastTokStart, FlowErrors.UnexpectedSpreadType);\n }\n\n if
(protoStart != null) {\n this.unexpected(protoStart);\n }\n\n if (variance) {\n this.raise(variance.start, FlowErrors.SpreadVariance);\n }\n\n node.argument = this.flowParseType();\n return this.finishNode(node, \"ObjectTypeSpreadProperty\");\n}\n} else
{\n node.key = this.flowParseObjectPropertyKey();\n node.static = isStatic;\n node.proto = protoStart !=
null;\n node.kind = kind;\n let optional = false;\n\n if (this.isRelational(\"<\") || this.match(types$1.parenL))
{\n node.method = true;\n\n if (protoStart != null) {\n this.unexpected(protoStart);\n }\n\n if
(variance) {\n this.unexpected(variance.start);\n }\n\n node.value =
this.flowParseObjectTypeMethodish(this.startNodeAt(node.start, node.loc.start));\n\n if (kind === \"get\" || kind
=== \"set\") {\n this.flowCheckGetterSetterParams(node);\n }\n\n if (!allowSpread &&
node.key.name === \"constructor\" &&
node.value.this) {\n this.raise(node.value.this.start, FlowErrors.ThisParamBannedInConstructor);\n }\n } else {\n if (kind !== \"init\") this.unexpected();\n node.method = false;\n\n if
(this.eat(types$1.question)) {\n optional = true;\n }\n\n node.value = this.flowParseTypeInitialiser();\n node.variance = variance;\n }\n\n node.optional = optional;\n return this.finishNode(node,
\"ObjectTypeProperty\");\n}\n}\n\nflowCheckGetterSetterParams(property) {\n const paramCount =
property.kind === \"get\" ? 0 : 1;\n const start = property.start;\n const length = property.value.params.length +
(property.value.rest ? 1 : 0);\n\n if (property.value.this) {\n this.raise(property.value.this.start, property.kind
=== \"get\" ? FlowErrors.GetterMayNotHaveThisParam : FlowErrors.SetterMayNotHaveThisParam);\n }\n\n if
(length !== paramCount) {\n if (property.kind === \"get\") {\n this.raise(start, ErrorMessages.BadGetterArity);\n } else {\n this.raise(start,
ErrorMessages.BadSetterArity);\n }\n }\n\n if (property.kind === \"set\" && property.value.rest) {\n this.raise(start, ErrorMessages.BadSetterRestParameter);\n }\n}\n\nflowObjectTypeSemicolon() {\n if
(!this.eat(types$1.semi) && !this.eat(types$1.comma) && !this.match(types$1.braceR) &&
!this.match(types$1.braceBarR)) {\n this.unexpected();\n }\n}\n\nflowParseQualifiedTypeIdentifier(startPos,
startLoc, id) {\n startPos = startPos || this.state.start;\n startLoc = startLoc || this.state.startLoc;\n let node = id ||
this.flowParseRestrictedIdentifier(true);\n\n while (this.eat(types$1.dot)) {\n const node2 =
this.startNodeAt(startPos, startLoc);\n node2.qualification = node;\n node2.id =
this.flowParseRestrictedIdentifier(true);\n node = this.finishNode(node2, \"QualifiedTypeIdentifier\");\n }\n\n return node;\n}\n}

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 flowParseGenericType(startPos, startLoc, id) {\n const node = this.startNodeAt(startPos, startLoc);\n node.typeParameters = null;\n node.id = this.flowParseQualifiedTypeIdentifier(startPos, startLoc, id);\n if\n (this.isRelational('<')) {\n node.typeParameters = this.flowParseTypeParameterInstantiation();\n }\n return this.finishNode(node, 'GenericTypeAnnotation');\n }\n\n flowParseTypeofType() {\n const node =\n this.startNode();\n this.expect(types$1._typeof);\n node.argument = this.flowParsePrimaryType();\n return\n this.finishNode(node, 'TypeofTypeAnnotation');\n }\n\n flowParseTupleType() {\n const node =\n this.startNode();\n node.types = [];\n this.expect(types$1.bracketL);\n while (this.state.pos < this.length &&\n !this.match(types$1.bracketR)) {\n node.types.push(this.flowParseType());\n if\n (this.match(types$1.bracketR)) break;\n this.expect(types$1.comma);\n }\n this.expect(types$1.bracketR);\n\n return this.finishNode(node, 'TupleTypeAnnotation');\n }\n\n flowParseFunctionTypeParam(first) {\n let\n name = null;\n let optional = false;\n let typeAnnotation = null;\n const node = this.startNode();\n const lh =\n this.lookahead();\n const isThis = this.state.type === types$1._this;\n if (lh.type === types$1.colon || lh.type\n === types$1.question) {\n if (isThis && !first) {\n this.raise(node.start,\n FlowErrors.ThisParamMustBeFirst);\n }\n name = this.parseIdentifier(isThis);\n if\n (this.eat(types$1.question)) {\n optional = true;\n if (isThis) {\n this.raise(node.start,\n FlowErrors.ThisParamMayNotBeOptional);\n }\n }\n typeAnnotation =\n this.flowParseTypeInitialiser();\n } else {\n typeAnnotation = this.flowParseType();\n }\n node.name =\n name;\n node.optional = optional;\n node.typeAnnotation = typeAnnotation;\n return this.finishNode(node,\n 'FunctionTypeParam');\n\n }\n\n reinterpretTypeAsFunctionTypeParam(type) {\n const node = this.startNodeAt(type.start, type.loc.start);\n node.name = null;\n node.optional = false;\n node.typeAnnotation = type;\n return this.finishNode(node,\n 'FunctionTypeParam');\n }\n\n flowParseFunctionTypeParams(params = []) {\n let rest = null;\n let _this =\n null;\n if (this.match(types$1._this)) {\n _this = this.flowParseFunctionTypeParam(true);\n _this.name =\n null;\n if (!this.match(types$1.parenR)) {\n this.expect(types$1.comma);\n }\n }\n while\n (!this.match(types$1.parenR) && !this.match(types$1.ellipsis)) {\n params.push(this.flowParseFunctionTypeParam(false));\n if (!this.match(types$1.parenR)) {\n this.expect(types$1.comma);\n }\n }\n if (this.eat(types$1.ellipsis)) {\n rest =\n this.flowParseFunctionTypeParam(false);\n }\n return {\n params,\n rest,\n _this\n };\n }\n\n flowIdentToTypeAnnotation(startPos,\n startLoc, node, id) {\n switch (id.name) {\n case 'any':\n return this.finishNode(node,\n 'AnyTypeAnnotation');\n case 'bool':\n case 'boolean':\n return this.finishNode(node,\n 'BooleanTypeAnnotation');\n case 'mixed':\n return this.finishNode(node,\n 'MixedTypeAnnotation');\n case 'empty':\n return this.finishNode(node,\n 'EmptyTypeAnnotation');\n case 'number':\n return this.finishNode(node,\n 'NumberTypeAnnotation');\n case 'string':\n return this.finishNode(node,\n 'StringTypeAnnotation');\n case 'symbol':\n return this.finishNode(node,\n 'SymbolTypeAnnotation');\n default:\n this.checkNotUnderscore(id.name);\n return\n this.flowParseGenericType(startPos, startLoc, id);\n }\n }\n\n flowParsePrimaryType() {\n const startPos =\n this.state.start;\n const startLoc = this.state.startLoc;\n const node = this.startNode();\n\n let tmp;\n let type;\n let isGroupedType = false;\n const oldNoAnonFunctionType =\n this.state.noAnonFunctionType;\n switch (this.state.type) {\n case types$1.name:\n if\n (this.isContextual('interface')) {\n return this.flowParseInterfaceType();\n }\n return\n this.flowIdentToTypeAnnotation(startPos, startLoc, node, this.parseIdentifier());\n case types$1.braceL:\n return this.flowParseObjectType({\n allowStatic: false,\n allowExact: false,\n allowSpread: true,\n allowProto: false,\n allowInexact: true\n });\n case types$1.braceBarL:\n return\n this.flowParseObjectType({\n allowStatic: false,\n allowExact: true,\n allowSpread: true,\n allowProto: false,\n allowInexact: false\n });\n case types$1.bracketL:\n

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this.state.noAnonFunctionType = false;\n type = this.flowParseTupleType();\n this.state.noAnonFunctionType = oldNoAnonFunctionType;\n return type;\n\n case\n types$1.relational:\n if (this.state.value === '<') {\n node.typeParameters =\n this.flowParseTypeParameterDeclaration();\n this.expect(types$1.parenL);\n tmp =\n this.flowParseFunctionTypeParams();\n node.params = tmp.params;\n node.rest = tmp.rest;\n node.this = tmp._this;\n this.expect(types$1.parenR);\n this.expect(types$1.arrow);\n node.returnType = this.flowParseType();\n return this.finishNode(node, 'FunctionTypeAnnotation');\n }\n break;\n case types$1.parenL:\n this.next();\n if (!this.match(types$1.parenR) &&\n !this.match(types$1.ellipsis)) {\n if (this.match(types$1.name) || this.match(types$1._this)) {\n const\n token = this.lookahead().type;\n isGroupedType = token !== types$1.question && token !==\n types$1.colon;\n } else {\n isGroupedType = true;\n }\n if (isGroupedType) {\n this.state.noAnonFunctionType = false;\n type = this.flowParseType();\n this.state.noAnonFunctionType\n = oldNoAnonFunctionType;\n if (this.state.noAnonFunctionType || !(this.match(types$1.comma) ||\n this.match(types$1.parenR) && this.lookahead().type === types$1.arrow)) {\n this.expect(types$1.parenR);\n return type;\n } else {\n this.eat(types$1.comma);\n }\n }\n if (type) {\n tmp =\n this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(type)]);\n } else {\n tmp\n = this.flowParseFunctionTypeParams();\n }\n node.params = tmp.params;\n node.rest = tmp.rest;\n node.this = tmp._this;\n this.expect(types$1.parenR);\n this.expect(types$1.arrow);\n node.returnType\n = this.flowParseType();\n node.typeParameters = null;\n return this.finishNode(node, 'FunctionTypeAnnotation');\n\n case\n types$1.string:\n return this.parseLiteral(this.state.value, 'StringLiteralTypeAnnotation');\n\n case\n types$1._true:\n case types$1._false:\n node.value = this.match(types$1._true);\n this.next();\n return this.finishNode(node, 'BooleanLiteralTypeAnnotation');\n\n case types$1.plusMin:\n if\n (this.state.value === '-') {\n this.next();\n if (this.match(types$1.num)) {\n return\n this.parseLiteral(-this.state.value, 'NumberLiteralTypeAnnotation', node.start, node.loc.start);\n }\n if\n (this.match(types$1.bigint)) {\n return this.parseLiteral(-this.state.value, 'BigIntLiteralTypeAnnotation',\n node.start, node.loc.start);\n }\n throw this.raise(this.state.start,\n FlowErrors.UnexpectedSubtractionOperand);\n }\n throw this.unexpected();\n\n case types$1.num:\n return this.parseLiteral(this.state.value, 'NumberLiteralTypeAnnotation');\n\n case types$1.bigint:\n return this.parseLiteral(this.state.value, 'BigIntLiteralTypeAnnotation');\n\n case\n types$1._void:\n this.next();\n return this.finishNode(node, 'VoidTypeAnnotation');\n\n case\n types$1._null:\n this.next();\n return this.finishNode(node, 'NullLiteralTypeAnnotation');\n\n case\n types$1._this:\n this.next();\n return this.finishNode(node, 'ThisTypeAnnotation');\n\n case\n types$1.star:\n this.next();\n return this.finishNode(node, 'ExistsTypeAnnotation');\n\n default:\n if (this.state.type.keyword === 'typeof') {\n return this.flowParseTypeofType();\n } else if\n (this.state.type.keyword) {\n const label = this.state.type.label;\n this.next();\n return\n super.createIdentifier(node, label);\n }\n }\n }\n throw this.unexpected();\n }\n\n flowParsePostfixType() {\n const startPos =\n this.state.start;\n const startLoc = this.state.startLoc;\n let type = this.flowParsePrimaryType();\n let\n seenOptionalIndexedAccess = false;\n while ((this.match(types$1.bracketL) || this.match(types$1.questionDot))\n && !this.canInsertSemicolon()) {\n const node = this.startNodeAt(startPos, startLoc);\n const optional =\n this.eat(types$1.questionDot);\n seenOptionalIndexedAccess = seenOptionalIndexedAccess || optional;\n this.expect(types$1.bracketL);\n if (!optional && this.match(types$1.bracketR)) {\n node.elementType =\n type;\n this.next();\n type = this.finishNode(node, 'ArrayTypeAnnotation');\n } else {\n node.objectType = type;\n node.indexType = this.flowParseType();\n this.expect(types$1.bracketR);\n if (seenOptionalIndexedAccess) {\n node.optional = optional;\n }\n }\n }\n }\n}

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 type = this.finishNode(node, "OptionalIndexedAccessType");\n } else {\n type =
this.finishNode(node, "IndexedAccessType");\n }\n }\n }\n }\n return type;\n }\n }\n
flowParsePrefixType() {\n const node = this.startNode();\n if (this.eat(types$1.question)) {\n
node.typeAnnotation = this.flowParsePrefixType();\n return this.finishNode(node,
"NullableTypeAnnotation");\n } else {\n return this.flowParsePostfixType();\n }\n }\n }\n
flowParseAnonFunctionWithoutParens() {\n const param = this.flowParsePrefixType();\n if
(!this.state.noAnonFunctionType && this.eat(types$1.arrow)) {\n const node = this.startNodeAt(param.start,
param.loc.start);\n node.params = [this.reinterpretTypeAsFunctionTypeParam(param)];\n node.rest = null;\n
node.this = null;\n node.returnType = this.flowParseType();\n node.typeParameters = null;\n return
this.finishNode(node, "FunctionTypeAnnotation");\n }\n }\n }\n return param;\n }\n }\n
flowParseIntersectionType() {\n const node = this.startNode();\n this.eat(types$1.bitwiseAND);\n const type = this.flowParseAnonFunctionWithoutParens();\n node.types =
[type];\n while (this.eat(types$1.bitwiseAND)) {\n
node.types.push(this.flowParseAnonFunctionWithoutParens());\n }\n }\n return node.types.length === 1 ? type :
this.finishNode(node, "IntersectionTypeAnnotation");\n }\n }\n
flowParseUnionType() {\n const node =
this.startNode();\n this.eat(types$1.bitwiseOR);\n const type = this.flowParseIntersectionType();\n node.types
= [type];\n while (this.eat(types$1.bitwiseOR)) {\n node.types.push(this.flowParseIntersectionType());\n
 }\n }\n return node.types.length === 1 ? type : this.finishNode(node, "UnionTypeAnnotation");\n }\n }\n
flowParseType() {\n const oldInType = this.state.inType;\n this.state.inType = true;\n const type =
this.flowParseUnionType();\n this.state.inType
= oldInType;\n this.state.exprAllowed = this.state.exprAllowed || this.state.noAnonFunctionType;\n return
type;\n }\n }\n
flowParseTypeOrImplicitInstantiation() {\n if (this.state.type === types$1.name && this.state.value
=== "_" || "_") {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const node =
this.parseIdentifier();\n return this.flowParseGenericType(startPos, startLoc, node);\n } else {\n return
this.flowParseType();\n }\n }\n }\n
flowParseTypeAnnotation() {\n const node = this.startNode();\n node.typeAnnotation = this.flowParseTypeInitialiser();\n return this.finishNode(node, "TypeAnnotation");\n }\n }\n
flowParseTypeAnnotatableIdentifier(allowPrimitiveOverride) {\n const ident = allowPrimitiveOverride ?
this.parseIdentifier() : this.flowParseRestrictedIdentifier();\n if (this.match(types$1.colon)) {\n
ident.typeAnnotation = this.flowParseTypeAnnotation();\n this.resetEndLocation(ident);\n }\n }\n }\n return ident;\n }\n }\n
typeCastToParameter(node) {\n node.expression.typeAnnotation =
node.typeAnnotation;\n this.resetEndLocation(node.expression, node.typeAnnotation.end,
node.typeAnnotation.loc.end);\n return node.expression;\n }\n }\n
flowParseVariance() {\n let variance =
null;\n if (this.match(types$1.plusMin)) {\n variance = this.startNode();\n if (this.state.value === "+" || "-") {\n
variance.kind = "plus";\n } else {\n variance.kind = "minus";\n }\n }\n }\n this.next();\n
this.finishNode(variance, "Variance");\n }\n }\n return variance;\n }\n }\n
parseFunctionBody(node,
allowExpressionBody, isMethod = false) {\n if (allowExpressionBody) {\n return
this.forwardNoArrowParamsConversionAt(node, () => super.parseFunctionBody(node, true, isMethod));\n }\n }\n return super.parseFunctionBody(node, false, isMethod);\n }\n }\n
parseFunctionBodyAndFinish(node, type,
isMethod = false) {\n if
(this.match(types$1.colon)) {\n const typeNode = this.startNode();\n [typeNode.typeAnnotation,
node.predicate] = this.flowParseTypeAndPredicateInitialiser();\n node.returnType = typeNode.typeAnnotation ?
this.finishNode(typeNode, "TypeAnnotation") : null;\n }\n }\n super.parseFunctionBodyAndFinish(node, type,
isMethod);\n }\n }\n
parseStatement(context, topLevel) {\n if (this.state.strict && this.match(types$1.name) &&
this.state.value === "interface") {\n const lookahead = this.lookahead();\n if (lookahead.type ===
types$1.name || isKeyword(lookahead.value)) {\n const node = this.startNode();\n this.next();\n return
this.flowParseInterface(node);\n }\n } else if (this.shouldParseEnums() && this.isContextual("enum")) {\n
const node = this.startNode();\n this.next();\n return this.flowParseEnumDeclaration(node);\n }\n }\n const
stmt = super.parseStatement(context, topLevel);\n if (this.flowPragma

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=== undefined && !this.isValidDirective(stmt)) {\n this.flowPragma = null;\n }\n\n return stmt;\n }\n\n parseExpressionStatement(node, expr) {\n if (expr.type === \"Identifier\") {\n if (expr.name === \"declare\") {\n if (this.match(types$1._class) || this.match(types$1.name) || this.match(types$1._function) ||\n this.match(types$1._var) || this.match(types$1._export)) {\n return this.flowParseDeclare(node);\n }\n }\n else if (this.match(types$1.name)) {\n if (expr.name === \"interface\") {\n return\n this.flowParseInterface(node);\n }\n } else if (expr.name === \"type\") {\n return\n this.flowParseTypeAlias(node);\n }\n } else if (expr.name === \"opaque\") {\n return\n this.flowParseOpaqueType(node, false);\n }\n }\n\n }\n\n return super.parseExpressionStatement(node,\n expr);\n }\n\n }\n\n shouldParseExportDeclaration() {\n return this.isContextual(\"type\") ||\n this.isContextual(\"interface\")\n || this.isContextual(\"opaque\") || this.shouldParseEnums() && this.isContextual(\"enum\") ||\n super.shouldParseExportDeclaration();\n }\n\n }\n\n isExportDefaultSpecifier() {\n if (this.match(types$1.name) &&\n (this.state.value === \"type\" || this.state.value === \"interface\" || this.state.value === \"opaque\" ||\n this.shouldParseEnums() && this.state.value === \"enum\")) {\n return false;\n }\n\n }\n\n return\n super.isExportDefaultSpecifier();\n }\n\n }\n\n parseExportDefaultExpression() {\n if (this.shouldParseEnums() &&\n this.isContextual(\"enum\")) {\n const node = this.startNode();\n this.next();\n return\n this.flowParseEnumDeclaration(node);\n }\n\n }\n\n return super.parseExportDefaultExpression();\n }\n\n }\n\n parseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n if (!this.match(types$1.question)) return\n expr;\n\n if (refNeedsArrowPos) {\n const result = this.tryParse(() => super.parseConditional(expr, startPos,\n startLoc));\n\n if (!result.node)\n {\n refNeedsArrowPos.start = result.error.pos || this.state.start;\n return expr;\n }\n\n }\n\n if (result.error)\n this.state = result.failState;\n return result.node;\n }\n\n }\n\n this.expect(types$1.question);\n const state =\n this.state.clone();\n const originalNoArrowAt = this.state.noArrowAt;\n const node = this.startNodeAt(startPos,\n startLoc);\n let {\n consequent,\n failed\n } = this.tryParseConditionalConsequent();\n let [valid, invalid]\n = this.getArrowLikeExpressions(consequent);\n\n if (failed || invalid.length > 0) {\n const noArrowAt =\n [...originalNoArrowAt];\n\n if (invalid.length > 0) {\n this.state = state;\n this.state.noArrowAt =\n noArrowAt;\n\n for (let i = 0; i < invalid.length; i++) {\n noArrowAt.push(invalid[i].start);\n }\n\n ({\n consequent,\n failed\n } = this.tryParseConditionalConsequent());\n [valid, invalid] =\n this.getArrowLikeExpressions(consequent);\n }\n\n if (failed && valid.length > 1) {\n this.raise(state.start,\n FlowErrors.AmbiguousConditionalArrow);\n }\n\n if (failed && valid.length === 1) {\n this.state =\n state;\n this.state.noArrowAt = noArrowAt.concat(valid[0].start);\n ({\n consequent,\n failed\n } = this.tryParseConditionalConsequent());\n }\n\n }\n\n this.getArrowLikeExpressions(consequent, true);\n this.state.noArrowAt = originalNoArrowAt;\n this.expect(types$1.colon);\n node.test = expr;\n node.consequent = consequent;\n node.alternate = this.forwardNoArrowParamsConversionAt(node, () =>\n this.parseMaybeAssign(undefined, undefined, undefined));\n return this.finishNode(node,\n \"ConditionalExpression\");\n }\n\n }\n\n tryParseConditionalConsequent() {\n this.state.noArrowParamsConversionAt.push(this.state.start);\n const consequent =\n this.parseMaybeAssignAllowIn();\n const failed\n = !this.match(types$1.colon);\n this.state.noArrowParamsConversionAt.pop();\n return {\n consequent,\n failed\n };\n }\n\n }\n\n getArrowLikeExpressions(node, disallowInvalid) {\n const stack = [node];\n const arrows\n = [];\n\n while (stack.length !== 0) {\n const node = stack.pop();\n\n if (node.type ===\n \"ArrowFunctionExpression\") {\n if (node.typeParameters || !node.returnType) {\n this.finishArrowValidation(node);\n }\n }\n else {\n arrows.push(node);\n }\n\n }\n\n stack.push(node.body);\n }\n else if (node.type === \"ConditionalExpression\") {\n stack.push(node.consequent);\n stack.push(node.alternate);\n }\n }\n\n }\n\n if (disallowInvalid) {\n arrows.forEach(node => this.finishArrowValidation(node));\n return [arrows, []];\n }\n\n }\n\n return\n partition(arrows, node => node.params.every(param => this.isAssignable(param, true)));
 }\n\n }\n

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finishArrowValidation(node) {\n var _node$extra;\n\n this.toAssignableList(node.params, (_node$extra = node.extra) == null ? void 0 : _node$extra.trailingComma, false);\n this.scope.enter(SCOPE_FUNCTION | SCOPE_ARROW);\n super.checkParams(node, false, true);\n this.scope.exit();\n }\n\n forwardNoArrowParamsConversionAt(node, parse) {\n let result;\n\n if (this.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {\n this.state.noArrowParamsConversionAt.push(this.state.start);\n result = parse();\n this.state.noArrowParamsConversionAt.pop();\n } else {\n result = parse();\n }\n\n return result;\n }\n\n parseParenItem(node, startPos, startLoc) {\n node = super.parseParenItem(node, startPos, startLoc);\n\n if (this.eat(types$1.question)) {\n node.optional = true;\n this.resetEndLocation(node);\n }\n\n if (this.match(types$1.colon)) {\n const typeCastNode = this.startNodeAt(startPos, startLoc);\n typeCastNode.expression = node;\n typeCastNode.typeAnnotation = this.flowParseTypeAnnotation();\n return this.finishNode(typeCastNode, "TypeCastExpression");\n }\n\n return node;\n }\n\n assertModuleNodeAllowed(node) {\n if (node.type === "ImportDeclaration" && (node.importKind === "type" || node.importKind === "typeof") || node.type === "ExportNamedDeclaration" && node.exportKind === "type" || node.type === "ExportAllDeclaration" && node.exportKind === "type") {\n return;\n }\n\n super.assertModuleNodeAllowed(node);\n }\n\n parseExport(node) {\n const decl = super.parseExport(node);\n\n if (decl.type === "ExportNamedDeclaration" || decl.type === "ExportAllDeclaration") {\n decl.exportKind = decl.exportKind || "value";\n }\n\n return decl;\n }\n\n parseExportDeclaration(node) {\n if (this.isContextual("type")) {\n node.exportKind = "type";\n const declarationNode = this.startNode();\n this.next();\n\n if (this.match(types$1.braceL)) {\n node.specifiers = this.parseExportSpecifiers();\n this.parseExportFrom(node);\n return null;\n } else {\n return this.flowParseTypeAlias(declarationNode);\n }\n } else if (this.isContextual("opaque")) {\n node.exportKind = "type";\n const declarationNode = this.startNode();\n this.next();\n return this.flowParseOpaqueType(declarationNode, false);\n } else if (this.isContextual("interface")) {\n node.exportKind = "type";\n const declarationNode = this.startNode();\n this.next();\n return this.flowParseInterface(declarationNode);\n } else if (this.shouldParseEnums() && this.isContextual("enum")) {\n node.exportKind = "value";\n const declarationNode = this.startNode();\n this.next();\n return this.flowParseEnumDeclaration(declarationNode);\n } else {\n return super.parseExportDeclaration(node);\n }\n }\n\n eatExportStar(node) {\n if (super.eatExportStar(...arguments))\n return true;\n\n if (this.isContextual("type") && this.lookahead().type === types$1.star) {\n node.exportKind = "type";\n this.next();\n this.next();\n return true;\n }\n\n return false;\n }\n\n maybeParseExportNamespaceSpecifier(node) {\n const pos = this.state.start;\n const hasNamespace = super.maybeParseExportNamespaceSpecifier(node);\n\n if (hasNamespace && node.exportKind === "type") {\n this.unexpected(pos);\n }\n\n return hasNamespace;\n }\n\n parseClassId(node, isStatement, optionalId) {\n super.parseClassId(node, isStatement, optionalId);\n\n if (this.isRelational("<")) {\n node.typeParameters = this.flowParseTypeParameterDeclaration();\n }\n }\n\n parseClassMember(classBody, member, state) {\n const pos = this.state.start;\n\n if (this.isContextual("declare")) {\n if (this.parseClassMemberFromModifier(classBody, member))\n return;\n\n member.declare = true;\n }\n\n super.parseClassMember(classBody, member, state);\n\n if (member.declare) {\n if (member.type !== "ClassProperty" && member.type !== "ClassPrivateProperty" && member.type !== "PropertyDefinition") {\n this.raise(pos, FlowErrors.DeclareClassElement);\n } else if (member.value) {\n this.raise(member.value.start, FlowErrors.DeclareClassFieldInitializer);\n }\n }\n }\n\n isIterator(word) {\n return word === "iterator" || word === "asyncIterator";\n }\n\n readIterator() {\n const word = super.readWord1();\n const fullWord = "@@" + word;\n\n if (!this.isIterator(word) || !this.state.inType) {\n this.raise(this.state.pos, ErrorMessages.InvalidIdentifier, fullWord);\n }\n\n this.finishToken(types$1.name, fullWord);\n }\n\n getTokenFromCode(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (code === 123 && next === 124) {\n return this.finishOp(types$1.braceBarL,

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2);\n } else if (this.state.inType && (code === 62 || code === 60)) {\n return this.finishOp(types$1.relational,
1);\n } else if (this.state.inType && code === 63) {\n if (next === 46) {\n return
this.finishOp(types$1.questionDot, 2);\n }\n\n return this.finishOp(types$1.question, 1);\n } else if
(isIteratorStart(code, next)) {\n this.state.pos += 2;\n return this.readIterator();\n } else {\n return
super.getTokenFromCode(code);\n }\n }\n\n isAssignable(node, isBinding) {\n switch (node.type) {\n case
"Identifier":\n case "ObjectPattern":\n case "ArrayPattern":\n case "AssignmentPattern":\n return
true;\n\n case "ObjectExpression":\n {\n const last = node.properties.length - 1;\n return
node.properties.every((prop, i) => {\n return prop.type !== "ObjectMethod" && (i === last || prop.type ===
"SpreadElement") && this.isAssignable(prop);\n
});\n }\n\n case "ObjectProperty":\n return this.isAssignable(node.value);\n\n case
"SpreadElement":\n return this.isAssignable(node.argument);\n\n case "ArrayExpression":\n return
node.elements.every(element => this.isAssignable(element));\n\n case "AssignmentExpression":\n return
node.operator === "=";\n\n case "ParenthesizedExpression":\n case "TypeCastExpression":\n return
this.isAssignable(node.expression);\n\n case "MemberExpression":\n case "OptionalMemberExpression":\n
return !isBinding;\n\n default:\n return false;\n }\n }\n\n toAssignable(node, isLHS = false) {\n if
(node.type === "TypeCastExpression") {\n return super.toAssignable(this.typeCastToParameter(node),
isLHS);\n } else {\n return super.toAssignable(node, isLHS);\n }\n }\n\n toAssignableList(exprList,
trailingCommaPos, isLHS) {\n for (let i = 0; i < exprList.length;
i++) {\n const expr = exprList[i];\n\n if ((expr == null ? void 0 : expr.type) === "TypeCastExpression") {\n
exprList[i] = this.typeCastToParameter(expr);\n }\n }\n\n return super.toAssignableList(exprList,
trailingCommaPos, isLHS);\n }\n\n toReferencedList(exprList, isParenthesizedExpr) {\n for (let i = 0; i <
exprList.length; i++) {\n var _expr$extra;\n\n const expr = exprList[i];\n\n if (expr && expr.type ===
"TypeCastExpression" && !((_expr$extra = expr.extra) != null && _expr$extra.parenthesized) &&
(exprList.length > 1 || !isParenthesizedExpr)) {\n this.raise(expr.typeAnnotation.start,
FlowErrors.TypeCastInPattern);\n }\n }\n\n return exprList;\n }\n\n parseArrayLike(close, canBePattern,
isTuple, refExpressionErrors) {\n const node = super.parseArrayLike(close, canBePattern, isTuple,
refExpressionErrors);\n\n if (canBePattern && !this.state.maybeInArrowParameters) {\n
this.toReferencedList(node.elements);\n
}\n\n return node;\n }\n\n checkLVal(expr, ...args) {\n if (expr.type !== "TypeCastExpression") {\n
return super.checkLVal(expr, ...args);\n }\n }\n\n parseClassProperty(node) {\n if (this.match(types$1.colon))
{\n node.typeAnnotation = this.flowParseTypeAnnotation();\n }\n\n return super.parseClassProperty(node);\n
}\n\n parseClassPrivateProperty(node) {\n if (this.match(types$1.colon)) {\n node.typeAnnotation =
this.flowParseTypeAnnotation();\n }\n\n return super.parseClassPrivateProperty(node);\n }\n\n
isClassMethod() {\n return this.isRelational("<") || super.isClassMethod();\n }\n\n isClassProperty() {\n return
this.match(types$1.colon) || super.isClassProperty();\n }\n\n isNonstaticConstructor(method) {\n return
!this.match(types$1.colon) && super.isNonstaticConstructor(method);\n }\n\n pushClassMethod(classBody,
method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n
if (method.variance) {\n this.unexpected(method.variance.start);\n }\n\n delete method.variance;\n\n if
(this.isRelational("<")) {\n method.typeParameters = this.flowParseTypeParameterDeclaration();\n }\n\n
super.pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper);\n\n if
(method.params && isConstructor) {\n const params = method.params;\n\n if (params.length > 0 &&
this.isThisParam(params[0])) {\n this.raise(method.start, FlowErrors.ThisParamBannedInConstructor);\n }\n
}\n\n } else if (method.type === "MethodDefinition" && isConstructor && method.value.params) {\n const params
= method.value.params;\n\n if (params.length > 0 && this.isThisParam(params[0])) {\n
this.raise(method.start, FlowErrors.ThisParamBannedInConstructor);\n }\n }\n }\n\n pushClassPrivateMethod(classBody, method, isGenerator, isAsync) {\n if (method.variance) {\n
this.unexpected(method.variance.start);\n
}

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= \"type\";\n } else if (firstIdent.name === \"typeof\") {\n specifierTypeKind = \"typeof\";\n }\n\n let isBinding = false;\n\n if (this.isContextual(\"as\") && !this.isLookaheadContextual(\"as\")) {\n const\n as_ident = this.parseIdentifier(true);\n if (specifierTypeKind !== null && !this.match(types$1.name) &&\n !this.state.type.keyword) {\n specifier.imported = as_ident;\n specifier.importKind = specifierTypeKind;\n specifier.local = as_ident.__clone();\n } else {\n specifier.imported = firstIdent;\n specifier.importKind = null;\n specifier.local = this.parseIdentifier();\n }\n } else if (specifierTypeKind !==\n null && (this.match(types$1.name) || this.state.type.keyword)) {\n specifier.imported =\n this.parseIdentifier(true);\n specifier.importKind = specifierTypeKind;\n\n if (this.eatContextual(\"as\")) {\n specifier.local = this.parseIdentifier();\n } else\n {\n isBinding = true;\n specifier.local = specifier.imported.__clone();\n }\n } else {\n if\n (firstIdent.type === \"StringLiteral\") {\n throw this.raise(specifier.start, ErrorMessages.ImportBindingIsString,\n firstIdent.value);\n }\n isBinding = true;\n specifier.imported = firstIdent;\n specifier.importKind =\n null;\n specifier.local = specifier.imported.__clone();\n }\n\n const nodeIsTypeImport =\n hasTypeImportKind(node);\n const specifierIsTypeImport = hasTypeImportKind(specifier);\n\n if\n (nodeIsTypeImport && specifierIsTypeImport) {\n this.raise(firstIdentLoc,\n FlowErrors.ImportTypeShorthandOnlyInPureImport);\n }\n\n if (nodeIsTypeImport || specifierIsTypeImport)\n {\n this.checkReservedType(specifier.local.name, specifier.local.start, true);\n }\n\n if (isBinding &&\n !nodeIsTypeImport && !specifierIsTypeImport) {\n this.checkReservedWord(specifier.local.name,\n specifier.start, true, true);\n }\n\n this.checkLVal(specifier.local, \"import specifier\", BIND_LEXICAL);\n\n node.specifiers.push(this.finishNode(specifier, \"ImportSpecifier\"));\n\n parseBindingAtom() {\n switch\n (this.state.type) {\n case types$1._this:\n return this.parseIdentifier(true);\n default:\n return\n super.parseBindingAtom();\n }\n }\n\n parseFunctionParams(node, allowModifiers) {\n const kind =\n node.kind;\n\n if (kind !== \"get\" && kind !== \"set\" && this.isRelational(\"<\")) {\n node.typeParameters =\n this.flowParseTypeParameterDeclaration();\n }\n\n super.parseFunctionParams(node, allowModifiers);\n }\n\n parseVarId(decl, kind) {\n super.parseVarId(decl, kind);\n\n if (this.match(types$1.colon)) {\n decl.id.typeAnnotation = this.flowParseTypeAnnotation();\n this.resetEndLocation(decl.id);\n }\n }\n\n parseAsyncArrowFromCallExpression(node, call) {\n if (this.match(types$1.colon)) {\n const\n oldNoAnonFunctionType\n = this.state.noAnonFunctionType;\n this.state.noAnonFunctionType = true;\n node.returnType =\n this.flowParseTypeAnnotation();\n this.state.noAnonFunctionType = oldNoAnonFunctionType;\n }\n\n return super.parseAsyncArrowFromCallExpression(node, call);\n }\n\n shouldParseAsyncArrow() {\n return\n this.match(types$1.colon) || super.shouldParseAsyncArrow();\n }\n\n parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n var _jsx;\n\n let state = null;\n let jsx;\n\n if (this.hasPlugin(\"jsx\")\n && (this.match(types$1.jsxTagStart) || this.isRelational(\"<\"))) {\n state = this.state.clone();\n jsx =\n this.tryParse(() => super.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos), state);\n if\n (!jsx.error) return jsx.node;\n const {\n context\n } = this.state;\n\n if (context[context.length - 1] ===\n types.j_oTag) {\n context.length -= 2;\n } else if (context[context.length\n - 1] === types.j_expr) {\n context.length -= 1;\n }\n\n if ((_jsx = jsx) !== null && _jsx.error ||\n this.isRelational(\"<\")) {\n var _jsx2, _jsx3;\n\n state = state || this.state.clone();\n let typeParameters;\n\n const arrow = this.tryParse(abort => {\n var _arrowExpression$extr;\n\n typeParameters =\n this.flowParseTypeParameterDeclaration();\n const arrowExpression =\n this.forwardNoArrowParamsConversionAt(typeParameters, () => {\n const result =\n super.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos);\n\n this.resetStartLocationFromNode(result, typeParameters);\n\n return result;\n });\n\n if\n (arrowExpression.type !== \"ArrowFunctionExpression\" && (_arrowExpression$extr = arrowExpression.extra) !=\n null && _arrowExpression$extr.parenthesized) {\n abort();\n }\n\n const expr =\n this.maybeUnwrapTypeCastExpression(arrowExpression);\n expr.typeParameters

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= typeParameters;\n this.resetStartLocationFromNode(expr, typeParameters);\n return arrowExpression;\n }, state);\n let arrowExpression = null;\n\n if (arrow.node &&\nthis.maybeUnwrapTypeCastExpression(arrow.node).type === \"ArrowFunctionExpression\") {\n if\n(!arrow.error && !arrow.aborted) {\n if (arrow.node.async) {\n this.raise(typeParameters.start,\nFlowErrors.UnexpectedTypeParameterBeforeAsyncArrowFunction);\n }\n return arrow.node;\n }\n arrowExpression = arrow.node;\n }\n\n if ((_jsx2 = jsx) != null && _jsx2.node) {\n this.state =\njsx.failState;\n return jsx.node;\n }\n\n if (arrowExpression) {\n this.state = arrow.failState;\n return arrowExpression;\n }\n\n if ((_jsx3 = jsx) != null && _jsx3.thrown) throw jsx.error;\n if\n(arrow.thrown) throw arrow.error;\n throw this.raise(typeParameters.start,\nFlowErrors.UnexpectedTokenAfterTypeParameter);\n\n }\n\n return super.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos);\n }\n\n parseArrow(node) {\n if (this.match(types$1.colon)) {\n const result = this.tryParse(() => {\n const\noldNoAnonFunctionType = this.state.noAnonFunctionType;\n this.state.noAnonFunctionType = true;\n const typeNode = this.startNode();\n [typeNode.typeAnnotation, node.predicate] =\nthis.flowParseTypeAndPredicateInitialiser();\n this.state.noAnonFunctionType = oldNoAnonFunctionType;\n if (this.canInsertSemicolon()) this.unexpected();\n if (!this.match(types$1.arrow)) this.unexpected();\n return typeNode;\n });\n if (result.thrown) return null;\n if (result.error) this.state = result.failState;\n node.returnType = result.node.typeAnnotation ? this.finishNode(result.node, \"TypeAnnotation\") : null;\n }\n\n return super.parseArrow(node);\n }\n\n shouldParseArrow()\n{\n return this.match(types$1.colon) || super.shouldParseArrow();\n}\n\n setArrowFunctionParameters(node,\nparams) {\n if (this.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {\n node.params =\nparams;\n } else {\n super.setArrowFunctionParameters(node, params);\n }\n }\n\n checkParams(node,\nallowDuplicates, isArrowFunction) {\n if (isArrowFunction &&\nthis.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {\n return;\n }\n\n for (let i = 0; i <\nnode.params.length; i++) {\n if (this.isThisParam(node.params[i]) && i > 0) {\n this.raise(node.params[i].start, FlowErrors.ThisParamMustBeFirst);\n }\n }\n\n return\nsuper.checkParams(...arguments);\n }\n\n parseParenAndDistinguishExpression(canBeArrow) {\n return\nsuper.parseParenAndDistinguishExpression(canBeArrow && this.state.noArrowAt.indexOf(this.state.start) === -\n1);\n }\n\n parseSubscripts(base, startPos, startLoc, noCalls) {\n if (base.type\n=== \"Identifier\" && base.name === \"async\" && this.state.noArrowAt.indexOf(startPos) !== -1) {\n this.next();\n const node = this.startNodeAt(startPos, startLoc);\n node.callee = base;\n node.arguments =\nthis.parseCallExpressionArguments(types$1.parenR, false);\n base = this.finishNode(node,\n\"CallExpression\");\n } else if (base.type === \"Identifier\" && base.name === \"async\" &&\nthis.isRelational(\"<\")) {\n const state = this.state.clone();\n const arrow = this.tryParse(abort =>\nthis.parseAsyncArrowWithTypeParameters(startPos, startLoc) || abort(), state);\n if (!arrow.error &&\n!arrow.aborted) return arrow.node;\n const result = this.tryParse(() => super.parseSubscripts(base, startPos,\nstartLoc, noCalls), state);\n if (result.node && !result.error) return result.node;\n if (arrow.node) {\n this.state = arrow.failState;\n return arrow.node;\n }\n if (result.node) {\n this.state =\nresult.failState;\n return result.node;\n }\n throw arrow.error || result.error;\n }\n\n return super.parseSubscripts(base,\nstartPos, startLoc, noCalls);\n }\n\n parseSubscript(base, startPos, startLoc, noCalls, subscriptState) {\n if\n(this.match(types$1.questionDot) && this.isLookaheadToken_1t()) {\n subscriptState.optionalChainMember =\ntrue;\n if (noCalls) {\n subscriptState.stop = true;\n return base;\n }\n this.next();\n const\nnode = this.startNodeAt(startPos, startLoc);\n node.callee = base;\n node.typeArguments =\nthis.flowParseTypeParameterInstantiation();\n this.expect(types$1.parenL);\n node.arguments =\nthis.parseCallExpressionArguments(types$1.parenR, false);\n node.optional = true;\n return\nthis.finishCallExpression(node, true);\n } else if (!noCalls && this.shouldParseTypes() &&\nthis.isRelational(\"<\")) {\n const node = this.startNodeAt(startPos, startLoc);\n node.callee

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= base;\n const result = this.tryParse() => {\n node.typeArguments =
this.flowParseTypeParameterInstantiationCallOrNew();\n this.expect(types$1.parenL);\n node.arguments =
this.parseCallExpressionArguments(types$1.parenR, false);\n if (subscriptState.optionalChainMember)
node.optional = false;\n return this.finishCallExpression(node, subscriptState.optionalChainMember);\n
});\n\n if (result.node) {\n if (result.error) this.state = result.failState;\n return result.node;\n }\n\n return super.parseSubscript(base, startPos, startLoc, noCalls, subscriptState);\n\n }\n\n parseNewArguments(node) {\n let targs = null;\n\n if (this.shouldParseTypes() && this.isRelational("<")) {\n targs = this.tryParse() => this.flowParseTypeParameterInstantiationCallOrNew().node;\n }\n\n node.typeArguments = targs;\n super.parseNewArguments(node);\n }\n\n parseAsyncArrowWithTypeParameters(startPos,
startLoc) {\n const node = this.startNodeAt(startPos, startLoc);\n this.parseFunctionParams(node);\n if
(!this.parseArrow(node)) return;\n return this.parseArrowExpression(node, undefined, true);\n }\n\n readToken_mult_modulo(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (code === 42
&& next === 47 && this.state.hasFlowComment) {\n this.state.hasFlowComment = false;\n this.state.pos +=
2;\n this.nextToken();\n return;\n }\n\n super.readToken_mult_modulo(code);\n }\n\n readToken_pipe_amp(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (code === 124 &&
next === 125) {\n this.finishOp(types$1.braceBarR, 2);\n return;\n }\n\n super.readToken_pipe_amp(code);\n }\n\n parseTopLevel(file, program) {\n const fileNode =
super.parseTopLevel(file, program);\n\n if (this.state.hasFlowComment) {\n this.raise(this.state.pos,
FlowErrors.UnterminatedFlowComment);\n\n }\n\n return fileNode;\n }\n\n skipBlockComment() {\n if (this.hasPlugin("flowComments") &&
this.skipFlowComment()) {\n if (this.state.hasFlowComment) {\n this.unexpected(null,
FlowErrors.NestedFlowComment);\n }\n\n this.hasFlowCommentCompletion();\n this.state.pos +=
this.skipFlowComment();\n this.state.hasFlowComment = true;\n return;\n }\n\n if
(this.state.hasFlowComment) {\n const end = this.input.indexOf("*-", this.state.pos + 2);\n\n if (end === -
1) {\n throw this.raise(this.state.pos - 2, ErrorMessages.UnterminatedComment);\n }\n\n this.state.pos =
end + 3;\n return;\n }\n\n super.skipBlockComment();\n }\n\n skipFlowComment() {\n const {\n pos\n } = this.state;\n let shiftToFirstNonWhiteSpace = 2;\n\n while ([32, 9].includes(this.input.charCodeAt(pos +
shiftToFirstNonWhiteSpace))) {\n shiftToFirstNonWhiteSpace++;\n }\n\n const ch2 =
this.input.charCodeAt(shiftToFirstNonWhiteSpace
+ pos);\n const ch3 = this.input.charCodeAt(shiftToFirstNonWhiteSpace + pos + 1);\n\n if (ch2 === 58 && ch3
=== 58) {\n return shiftToFirstNonWhiteSpace + 2;\n }\n\n if (this.input.slice(shiftToFirstNonWhiteSpace +
pos, shiftToFirstNonWhiteSpace + pos + 12) === "flow-include") {\n return shiftToFirstNonWhiteSpace +
12;\n }\n\n if (ch2 === 58 && ch3 !== 58) {\n return shiftToFirstNonWhiteSpace;\n }\n\n return false;\n }\n\n hasFlowCommentCompletion() {\n const end = this.input.indexOf("*-", this.state.pos);\n\n if (end === -
1) {\n throw this.raise(this.state.pos, ErrorMessages.UnterminatedComment);\n }\n }\n\n flowEnumErrorBooleanMemberNotInitialized(pos, {\n enumName,\n memberName\n }) {\n this.raise(pos,
FlowErrors.EnumBooleanMemberNotInitialized, memberName, enumName);\n }\n\n flowEnumErrorInvalidMemberName(pos, {\n enumName,\n memberName\n }) {\n const suggestion =
memberName[0].toUpperCase()
+ memberName.slice(1);\n this.raise(pos, FlowErrors.EnumInvalidMemberName, memberName, suggestion,
enumName);\n }\n\n flowEnumErrorDuplicateMemberName(pos, {\n enumName,\n memberName\n }) {\n this.raise(pos, FlowErrors.EnumDuplicateMemberName, memberName, enumName);\n }\n\n flowEnumErrorInconsistentMemberValues(pos, {\n enumName\n }) {\n this.raise(pos,
FlowErrors.EnumInconsistentMemberValues, enumName);\n }\n\n flowEnumErrorInvalidExplicitType(pos, {\n enumName,\n suppliedType\n }) {\n return this.raise(pos, suppliedType === null ?
FlowErrors.EnumInvalidExplicitTypeUnknownSupplied : FlowErrors.EnumInvalidExplicitType, enumName,
suppliedType);\n }\n\n flowEnumErrorInvalidMemberInitializer(pos, {\n enumName,\n explicitType,\n

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memberName\n }) {\n let message = null;\n\n switch (explicitType) {\n case \"boolean\":\n case\n\"number\":\n case \"string\":\n message = FlowErrors.EnumInvalidMemberInitializerPrimaryType;\n break;\n case \"symbol\":\n message = FlowErrors.EnumInvalidMemberInitializerSymbolType;\n break;\n default:\n message = FlowErrors.EnumInvalidMemberInitializerUnknownType;\n }\n\n return\nthis.raise(pos, message, enumName, memberName, explicitType);\n }\n\n flowEnumErrorNumberMemberNotInitialized(pos, {\n enumName,\n memberName\n }) {\n this.raise(pos,\nFlowErrors.EnumNumberMemberNotInitialized, enumName, memberName);\n }\n\n flowEnumErrorStringMemberInconsistentlyInitailized(pos, {\n enumName\n }) {\n this.raise(pos,\nFlowErrors.EnumStringMemberInconsistentlyInitailized, enumName);\n }\n\n flowEnumMemberInit() {\n const\nstartPos = this.state.start;\n const endOfInit = () => this.match(types$1.comma) ||\nthis.match(types$1.braceR);\n\n switch (this.state.type) {\n case types$1.num:\n {\n const literal =\nthis.parseLiteral(this.state.value, \"NumericLiteral\");\n\n if (endOfInit()) {\n return {\n type: \"number\", \n pos: literal.start, \n value:\nliteral\n };\n }\n\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n case types$1.string:\n {\n const literal = this.parseLiteral(this.state.value, \"StringLiteral\");\n\n if\n(endOfInit()) {\n return {\n type: \"string\", \n pos: literal.start, \n value: literal\n };\n }\n\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n case\n types$1._true:\n case types$1._false:\n {\n const literal = this.parseBooleanLiteral();\n\n if\n(endOfInit()) {\n return {\n type: \"boolean\", \n pos: literal.start, \n value: literal\n };\n }\n\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n default:\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n\n return {\n type: \"invalid\", \n pos: startPos\n };\n }\n\n flowEnumMemberRaw() {\n const pos =\nthis.state.start;\n const id = this.parseIdentifier(true);\n const init = this.eat(types$1.eq) ?\nthis.flowEnumMemberInit() : {\n type: \"none\", \n pos\n };\n return {\n id, \n init\n };\n }\n\n flowEnumCheckExplicitTypeMismatch(pos, context, expectedType) {\n const {\n explicitType\n } =\ncontext;\n\n if (explicitType === null) {\n return;\n }\n\n if (explicitType !== expectedType) {\n this.flowEnumErrorInvalidMemberInitializer(pos, context);\n }\n }\n\n flowEnumMembers({\n enumName, \n explicitType\n }) {\n const seenNames = new Set();\n const members = {\n booleanMembers: [],\n numberMembers: [],\n stringMembers: [],\n defaultedMembers:\n[\n]\n };\n let hasUnknownMembers = false;\n\n while (!this.match(types$1.braceR)) {\n if\n(this.eat(types$1.ellipsis)) {\n hasUnknownMembers = true;\n break;\n }\n\n const memberNode =\nthis.startNode();\n const {\n id, \n init\n } = this.flowEnumMemberRaw();\n const memberName =\nid.name;\n\n if (memberName === \"\") {\n continue;\n }\n\n if (/^[a-z]/.test(memberName)) {\n this.flowEnumErrorInvalidMemberName(id.start, {\n enumName, \n memberName\n });\n }\n\n if (seenNames.has(memberName)) {\n this.flowEnumErrorDuplicateMemberName(id.start, {\n enumName, \n memberName\n });\n }\n\n seenNames.add(memberName);\n const context = {\n enumName, \n explicitType, \n memberName\n };\n memberNode.id = id;\n\n switch (init.type)\n{\n case \"boolean\":\n {\n this.flowEnumCheckExplicitTypeMismatch(init.pos, context, \"boolean\");\n memberNode.init =\ninit.value;\n members.booleanMembers.push(this.finishNode(memberNode, \"EnumBooleanMember\"));\n break;\n }\n case \"number\":\n {\n this.flowEnumCheckExplicitTypeMismatch(init.pos,\ncontext, \"number\");\n memberNode.init = init.value;\n members.numberMembers.push(this.finishNode(memberNode, \"EnumNumberMember\"));\n break;\n }\n case \"string\":\n {\n this.flowEnumCheckExplicitTypeMismatch(init.pos, context,\n\"string\");\n memberNode.init = init.value;\n members.stringMembers.push(this.finishNode(memberNode, \"EnumStringMember\"));\n break;\n }\n case \"invalid\":\n {\n throw this.flowEnumErrorInvalidMemberInitializer(init.pos,\ncontext);\n }\n case \"none\":\n

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 {\n switch (explicitType) {\n case \"boolean\":\nthis.flowEnumErrorBooleanMemberNotInitialized(init.pos, context);\n break;\n case\n\"number\":\n this.flowEnumErrorNumberMemberNotInitialized(init.pos, context);\n break;\n default:\n members.defaultedMembers.push(this.finishNode(memberNode,\n\"EnumDefaultedMember\"));\n }\n }\n if (!this.match(types$1.braceR)) {\nthis.expect(types$1.comma);\n }\n }\n return {\n members,\n hasUnknownMembers\n };\n }\n flowEnumStringMembers(initializedMembers, defaultedMembers, {\n enumName\n }) {\n if\n(initializedMembers.length === 0) {\n return defaultedMembers;\n } else if (defaultedMembers.length === 0)\n{\n return initializedMembers;\n } else if (defaultedMembers.length > initializedMembers.length) {\n for\n(const member\nof initializedMembers) {\n this.flowEnumErrorStringMemberInconsistentlyInitailized(member.start, {\nenumName\n });\n }\n return defaultedMembers;\n } else {\n for (const member of\ndefaultedMembers) {\n this.flowEnumErrorStringMemberInconsistentlyInitailized(member.start, {\nenumName\n });\n }\n return initializedMembers;\n }\n }\n }\n flowEnumParseExplicitType({\nenumName\n }) {\n if (this.eatContextual(\"of\")) {\n if (!this.match(types$1.name)) {\n throw\nthis.flowEnumErrorInvalidExplicitType(this.state.start, {\n enumName,\n suppliedType: null\n });\n }\n const {\n value\n } = this.state;\n this.next();\n if (value !== \"boolean\" && value !==\n\"number\" && value !== \"string\" && value !== \"symbol\") {\nthis.flowEnumErrorInvalidExplicitType(this.state.start, {\n enumName,\n suppliedType: value\n });\n }\n return value;\n }\n return null;\n }\n }\n flowEnumBody(node, {\nenumName,\nnameLoc\n }) {\n const explicitType = this.flowEnumParseExplicitType({\nenumName\n });\n this.expect(types$1.braceL);\n const {\n members,\n hasUnknownMembers\n } =\nthis.flowEnumMembers({\nenumName,\nexplicitType\n });\n node.hasUnknownMembers =\nhasUnknownMembers;\n switch (explicitType) {\n case \"boolean\":\n node.explicitType = true;\n node.members = members.booleanMembers;\n this.expect(types$1.braceR);\n return this.finishNode(node,\n\"EnumBooleanBody\");\n case \"number\":\n node.explicitType = true;\n node.members =\nmembers.numberMembers;\n this.expect(types$1.braceR);\n return this.finishNode(node,\n\"EnumNumberBody\");\n case \"string\":\n node.explicitType = true;\n node.members =\nthis.flowEnumStringMembers(members.stringMembers,\nmembers.defaultedMembers, {\nenumName\n });\n this.expect(types$1.braceR);\n return\nthis.finishNode(node, \"EnumStringBody\");\n case \"symbol\":\n node.members =\nmembers.defaultedMembers;\n this.expect(types$1.braceR);\n return this.finishNode(node,\n\"EnumSymbolBody\");\n default:\n {\n const empty = () => {\n node.members = [];\n this.expect(types$1.braceR);\n return this.finishNode(node, \"EnumStringBody\");\n };\n node.explicitType = false;\n const boolsLen = members.booleanMembers.length;\n const numsLen =\nmembers.numberMembers.length;\n const strLen = members.stringMembers.length;\n const\ndefaultedLen = members.defaultedMembers.length;\n if (!boolsLen && !numsLen && !strLen &&\n!defaultedLen) {\n return empty();\n } else if (!boolsLen && !numsLen) {\n node.members\n= this.flowEnumStringMembers(members.stringMembers, members.defaultedMembers, {\nenumName\n });\n this.expect(types$1.braceR);\n return this.finishNode(node, \"EnumStringBody\");\n }\n }\n else if (!numsLen && !strLen && boolsLen >= defaultedLen) {\n for (const member of\nmembers.defaultedMembers) {\n this.flowEnumErrorBooleanMemberNotInitialized(member.start, {\nenumName,\n memberName: member.id.name\n });\n }\n node.members =\nmembers.booleanMembers;\n this.expect(types$1.braceR);\n return this.finishNode(node,\n\"EnumBooleanBody\");\n } else if (!boolsLen && !strLen && numsLen >= defaultedLen) {\n for\n(const member of members.defaultedMembers) {\n this.flowEnumErrorNumberMemberNotInitialized(member.start, {\nenumName,\n memberName: member.id.name\n }\n
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 });\n }\n\n node.members = members.numberMembers;\n\n this.expect(types$1.braceR);\n return this.finishNode(node, 'EnumNumberBody');\n } else {\n this.flowEnumErrorInconsistentMemberValues(nameLoc, {\n enumName\n });\n return\n empty();\n }\n }\n }\n }\n\n flowParseEnumDeclaration(node) {\n const id = this.parseIdentifier();\n node.id = id;\n node.body = this.flowEnumBody(this.startNode(), {\n enumName: id.name,\n nameLoc:\n id.start\n });\n return this.finishNode(node, 'EnumDeclaration');\n }\n\n updateContext(prevType) {\n if\n (this.match(types$1.name) && this.state.value === 'of' && prevType === types$1.name &&\n this.input.slice(this.state.lastTokStart, this.state.lastTokEnd) === 'interface') {\n this.state.exprAllowed =\n false;\n } else {\n super.updateContext(prevType);\n }\n }\n\n isLookaheadToken_lt() {\n const next = this.nextTokenStart();\n if (this.input.charCodeAtAt(next) === 60) {\n const afterNext =\n this.input.charCodeAtAt(next + 1);\n return afterNext !== 60 && afterNext !== 61;\n }\n return false;\n }\n\n maybeUnwrapTypeCastExpression(node) {\n return node.type === 'TypeCastExpression' ? node.expression :\n node;\n }\n\n const entities = {\n quot: '\\u0022',\n amp: '&',\n apos: '\\u0027',\n lt: '<',\n gt: '>',\n nbsp: '\\u00A0',\n iexcl: '\\u00A1',\n cent: '\\u00A2',\n pound: '\\u00A3',\n curren:\n '\\u00A4',\n yen: '\\u00A5',\n brvbar: '\\u00A6',\n sect: '\\u00A7',\n uml: '\\u00A8',\n copy:\n '\\u00A9',\n ordf: '\\u00AA',\n laquo: '\\u00AB',\n not: '\\u00AC',\n shy: '\\u00AD',\n reg:\n '\\u00AE',\n macr: '\\u00AF',\n deg: '\\u00B0',\n plusmn: '\\u00B1',\n sup2: '\\u00B2',\n sup3:\n '\\u00B3',\n acute: '\\u00B4',\n micro: '\\u00B5',\n para: '\\u00B6',\n middot: '\\u00B7',\n cedil: '\\u00B8',\n sup1: '\\u00B9',\n ordm: '\\u00BA',\n raquo: '\\u00BB',\n frac14: '\\u00BC',\n frac12: '\\u00BD',\n frac34: '\\u00BE',\n iquest: '\\u00BF',\n Agrave: '\\u00C0',\n Aacute: '\\u00C1',\n Acirc: '\\u00C2',\n Atilde: '\\u00C3',\n Auml: '\\u00C4',\n Aring: '\\u00C5',\n Aelig: '\\u00C6',\n Ccedil: '\\u00C7',\n Egrave: '\\u00C8',\n Eacute: '\\u00C9',\n Ecirc: '\\u00CA',\n Euml: '\\u00CB',\n Igrave: '\\u00CC',\n Iacute: '\\u00CD',\n Icirc: '\\u00CE',\n Iuml: '\\u00CF',\n ETH: '\\u00D0',\n Ntilde: '\\u00D1',\n Ograve: '\\u00D2',\n Oacute: '\\u00D3',\n Ocirc: '\\u00D4',\n Otilde: '\\u00D5',\n Ouml: '\\u00D6',\n times: '\\u00D7',\n Oslash: '\\u00D8',\n Ugrave: '\\u00D9',\n Uacute: '\\u00DA',\n Ucirc: '\\u00DB',\n Uuml: '\\u00DC',\n Yacute: '\\u00DD',\n THORN: '\\u00DE',\n szlig: '\\u00DF',\n agrave: '\\u00E0',\n aacute: '\\u00E1',\n acirc: '\\u00E2',\n atilde: '\\u00E3',\n auml: '\\u00E4',\n aring: '\\u00E5',\n aelig: '\\u00E6',\n ccedil: '\\u00E7',\n egrave: '\\u00E8',\n eacute: '\\u00E9',\n ecirc: '\\u00EA',\n euml: '\\u00EB',\n igrave: '\\u00EC',\n iacute: '\\u00ED',\n icirc: '\\u00EE',\n iuml: '\\u00EF',\n eth: '\\u00F0',\n ntilde: '\\u00F1',\n ograve: '\\u00F2',\n oacute: '\\u00F3',\n ocirc: '\\u00F4',\n otilde: '\\u00F5',\n ouml: '\\u00F6',\n divide:\n '\\u00F7',\n oslash: '\\u00F8',\n ugrave: '\\u00F9',\n uacute: '\\u00FA',\n ucirc: '\\u00FB',\n uuml:\n '\\u00FC',\n yacute: '\\u00FD',\n thorn: '\\u00FE',\n yuml: '\\u00FF',\n OElig: '\\u0152',\n oelig:\n '\\u0153',\n Scaron: '\\u0160',\n scaron: '\\u0161',\n Yuml: '\\u0178',\n fnof: '\\u0192',\n circ:\n '\\u02C6',\n tilde: '\\u02DC',\n Alpha: '\\u0391',\n Beta: '\\u0392',\n Gamma: '\\u0393',\n Delta:\n '\\u0394',\n Epsilon: '\\u0395',\n Zeta: '\\u0396',\n Eta: '\\u0397',\n Theta: '\\u0398',\n Iota: '\\u0399',\n Kappa: '\\u039A',\n Lambda: '\\u039B',\n Mu:\n '\\u039C',\n Nu: '\\u039D',\n Xi: '\\u039E',\n Omicron: '\\u039F',\n Pi: '\\u03A0',\n Rho:\n '\\u03A1',\n Sigma: '\\u03A3',\n Tau: '\\u03A4',\n Upsilon: '\\u03A5',\n Phi: '\\u03A6',\n Chi:\n '\\u03A7',\n Psi: '\\u03A8',\n Omega: '\\u03A9',\n alpha: '\\u03B1',\n beta: '\\u03B2',\n gamma:\n '\\u03B3',\n delta: '\\u03B4',\n epsilon: '\\u03B5',\n zeta: '\\u03B6',\n eta: '\\u03B7',\n theta:\n '\\u03B8',\n iota: '\\u03B9',\n kappa: '\\u03BA',\n lambda: '\\u03BB',\n mu: '\\u03BC',\n nu:\n '\\u03BD',\n xi: '\\u03BE',\n omicron: '\\u03BF',\n pi: '\\u03C0',\n rho: '\\u03C1',\n sigmaf:\n '\\u03C2',\n sigma: '\\u03C3',\n tau: '\\u03C4',\n upsilon: '\\u03C5',\n phi: '\\u03C6',\n chi:\n '\\u03C7',\n psi: '\\u03C8',\n omega: '\\u03C9',\n thetasym: '\\u03D1',\n upsih: '\\u03D2',\n piv: '\\u03D6',\n ensp: '\\u2002',\n emsp: '\\u2003',\n thinsp: '\\u2009',\n zwnj: '\\u200C',\n zwj:\n '\\u200D',\n lrm: '\\u200E',\n rlm: '\\u200F',\n ndash: '\\u2013',\n mdash: '\\u2014',\n lsquo:\n '\\u2018',\n rsquo: '\\u2019',\n sbquo: '\\u201A',\n ldquo: '\\u201C',\n rdquo: '\\u201D',\n bdquo:

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"\u201E",\n dagger: "\u2020",\n Dagger: "\u2021",\n bull: "\u2022",\n hellip: "\u2026",\n permil:  
 "\u2030",\n prime: "\u2032",\n Prime: "\u2033",\n lsaquo: "\u2039",\n rsaquo: "\u203A",\n oline:  
 "\u203E",\n frasl: "\u2044",\n euro: "\u20AC",\n image: "\u2111",\n weierp: "\u2118",\n real:  
 "\u211C",\n trade: "\u2122",\n alefsym: "\u2135",\n larr: "\u2190",\n uarr: "\u2191",\n rarr:  
 "\u2192",\n darr: "\u2193",\n harr: "\u2194",\n crarr: "\u21B5",\n lArr: "\u21D0",\n uArr:  
 "\u21D1",\n rArr: "\u21D2",\n dArr: "\u21D3",\n hArr: "\u21D4",\n  
 forall: "\u2200",\n part: "\u2202",\n exist: "\u2203",\n empty: "\u2205",\n nbla: "\u2207",\n isin:  
 "\u2208",\n notin: "\u2209",\n ni: "\u220B",\n prod: "\u220F",\n sum: "\u2211",\n minus:  
 "\u2212",\n lowast: "\u2217",\n radic: "\u221A",\n prop: "\u221D",\n infin: "\u221E",\n ang:  
 "\u2220",\n and: "\u2227",\n or: "\u2228",\n cap: "\u2229",\n cup: "\u222A",\n int: "\u222B",\n  
 there4: "\u2234",\n sim: "\u223C",\n cong: "\u2245",\n asymp: "\u2248",\n ne: "\u2260",\n equiv:  
 "\u2261",\n le: "\u2264",\n ge: "\u2265",\n sub: "\u2282",\n sup: "\u2283",\n nsub: "\u2284",\n  
 sube: "\u2286",\n supe: "\u2287",\n oplus: "\u2295",\n otimes: "\u2297",\n perp: "\u22A5",\n sdot:  
 "\u22C5",\n lceil: "\u2308",\n rceil: "\u2309",\n lfloor: "\u230A",\n rfloor: "\u230B",\n lang:  
 "\u2329",\n rang: "\u232A",\n loz: "\u25CA",\n spades:  
 "\u2660",\n clubs: "\u2663",\n hearts: "\u2665",\n diams: "\u2666",\n};\n\nconst HEX\_NUMBER =  
 /\u2013[\da-fA-F]+\u2013\$/;\nconst DECIMAL\_NUMBER = /\u2013\d+\u2013\$/;\nconst JsxErrors = makeErrorTemplates({\n  
 AttributeIsEmpty: "\u201cJSX attributes must only be assigned a non-empty expression.\u201c",\n MissingClosingTagElement:  
 "\u201cExpected corresponding JSX closing tag for %<0>.\u201c",\n MissingClosingTagFragment: "\u201cExpected corresponding  
 JSX closing tag for <>.\u201c",\n UnexpectedSequenceExpression: "\u201cSequence expressions cannot be directly nested  
 inside JSX. Did you mean to wrap it in parentheses (...)?\u201c",\n UnsupportedJsxValue: "\u201cJSX value should be either an  
 expression or a quoted JSX text.\u201c",\n UnterminatedJsxContent: "\u201cUnterminated JSX contents.\u201c",\n  
 UnwrappedAdjacentJSXElements: "\u201cAdjacent JSX elements must be wrapped in an enclosing tag. Did you want a  
 JSX fragment <>...</>?\u201c",\n\n}, ErrorCodes.SyntaxError);\n\nntypes.j\_oTag = new TokContext("\u201c<tag\u201c",  
 false);\nntypes.j\_cTag = new TokContext("\u201c</tag\u201c",  
 false);\nntypes.j\_expr = new TokContext("\u201c<tag>...</tag>\u201c", true, true);\nntypes\$1.jsxName = new  
 TokenType("\u201cjsxName\u201c");\nntypes\$1.jsxText = new TokenType("\u201cjsxText\u201c", {\n beforeExpr:  
 true\n});\nntypes\$1.jsxTagStart = new TokenType("\u201cjsxTagStart\u201c", {\n startsExpr: true\n});\nntypes\$1.jsxTagEnd =  
 new TokenType("\u201cjsxTagEnd\u201c");\n\nntypes\$1.jsxTagStart.updateContext = function () {\n  
 this.state.context.push(types.j\_expr);\n this.state.context.push(types.j\_oTag);\n this.state.exprAllowed =  
 false;\n};\n\nntypes\$1.jsxTagEnd.updateContext = function (prevType) {\n const out = this.state.context.pop();\n  
 if (out === types.j\_oTag && prevType === types\$1.slash || out === types.j\_cTag) {\n this.state.context.pop();\n  
 this.state.exprAllowed = this.curContext() === types.j\_expr;\n } else {\n this.state.exprAllowed = true;\n  
 }\n};\n\nfunction isFragment(object) {\n return object ? object.type === "\u201cJSXOpeningFragment\u201c" || object.type  
 === "\u201cJSXClosingFragment\u201c" : false;\n}\n\nfunction  
 getQualifiedJSXName(object) {\n if (object.type === "\u201cJSXIdentifier\u201c") {\n return object.name;\n }\n\n if  
 (object.type === "\u201cJSXNamespacedName\u201c") {\n return object.namespace.name + \u201c:\u201c + object.name.name;\n  
 }\n\n if (object.type === "\u201cJSXMemberExpression\u201c") {\n return getQualifiedJSXName(object.object) + \u201c.\u201c +  
 getQualifiedJSXName(object.property);\n }\n\n throw new Error("\u201cNode had unexpected type: \u201c +  
 object.type);\n}\n\nvar jsx = (superClass => class extends superClass {\n jsxReadToken() {\n let out = \u201c\u201c;\n let  
 chunkStart = this.state.pos;\n for (;) {\n if (this.state.pos >= this.length) {\n throw  
 this.raise(this.state.start, JsxErrors.UnterminatedJsxContent);\n }\n const ch =  
 this.input.charCodeAtAt(this.state.pos);\n switch (ch) {\n case 60:\n case 123:\n if (this.state.pos  
 === this.state.start) {\n if (ch === 60 && this.state.exprAllowed) {\n ++this.state.pos;\n  
 return this.finishToken(types\$1.jsxTagStart);\n }\n return super.getTokenFromCode(ch);\n  
 }\n out += this.input.slice(chunkStart, this.state.pos);\n return this.finishToken(types\$1.jsxText,  
 out);\n case 38:\n out += this.input.slice(chunkStart, this.state.pos);\n out +=  
 this.jsxReadEntity();\n chunkStart = this.state.pos;\n break;\n case 62:\n case 125:\n\n

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default:\n if (isNewLine(ch)) {\n out += this.input.slice(chunkStart, this.state.pos);\n out +=
this.jsxReadNewLine(true);\n chunkStart = this.state.pos;\n } else {\n ++this.state.pos;\n
}\n\n }\n }\n\n }\n\n jsxReadNewLine(normalizeCRLF) {\n const ch = this.input.charCodeAtAt(this.state.pos);\n let out;\n ++this.state.pos;\n\n if (ch === 13 && this.input.charCodeAtAt(this.state.pos) === 10) {\n
++this.state.pos;\n
 out = normalizeCRLF ? "\\n\\n" : "\\r\\n\\n";\n } else {\n out = String.fromCharCode(ch);\n }\n\n ++this.state.curLine;\n this.state.lineStart = this.state.pos;\n return out;\n }\n\n jsxReadString(quote) {\n let
out = "";\n let chunkStart = ++this.state.pos;\n\n for (;;) {\n if (this.state.pos >= this.length) {\n throw
this.raise(this.state.start, ErrorMessages.UnterminatedString);\n }\n\n const ch =
this.input.charCodeAtAt(this.state.pos);\n if (ch === quote) break;\n\n if (ch === 38) {\n out +=
this.input.slice(chunkStart, this.state.pos);\n out += this.jsxReadEntity();\n chunkStart = this.state.pos;\n
 } else if (isNewLine(ch)) {\n out += this.input.slice(chunkStart, this.state.pos);\n out +=
this.jsxReadNewLine(false);\n chunkStart = this.state.pos;\n } else {\n ++this.state.pos;\n }\n }\n\n out += this.input.slice(chunkStart, this.state.pos++);\n
 return this.finishToken(types$1.string, out);\n }\n\n jsxReadEntity() {\n let str = "";\n let count = 0;\n let
entity;\n let ch = this.input[this.state.pos];\n const startPos = ++this.state.pos;\n\n while (this.state.pos <
this.length && count++ < 10) {\n ch = this.input[this.state.pos++];\n\n if (ch === "\\") {\n if (str[0] ===
"\\#") {\n if (str[1] === "x") {\n str = str.substr(2);\n if (HEX_NUMBER.test(str)) {\n
entity = String.fromCharCode(parseInt(str, 16));\n }\n } else {\n str = str.substr(1);\n if
(DECIMAL_NUMBER.test(str)) {\n entity = String.fromCharCode(parseInt(str, 10));\n }\n }\n
 } else {\n entity = entities[str];\n }\n break;\n }\n str += ch;\n }\n if (!entity) {\n
this.state.pos = startPos;\n return "&";\n }\n return entity;\n }\n\n jsxReadWord() {\n let ch;\n const start = this.state.pos;\n\n do {\n ch =
this.input.charCodeAtAt(++this.state.pos);\n } while (isIdentifierChar(ch) || ch === 45);\n\n return
this.finishToken(types$1.jsxName, this.input.slice(start, this.state.pos));\n }\n\n jsxParseIdentifier() {\n const
node = this.startNode();\n if (this.match(types$1.jsxName)) {\n node.name = this.state.value;\n } else if
(this.state.type.keyword) {\n node.name = this.state.type.keyword;\n } else {\n this.unexpected();\n }\n\n this.next();\n return this.finishNode(node, "JSXIdentifier");\n }\n\n jsxParseNamespacedName() {\n const
startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const name = this.jsxParseIdentifier();\n if
(!this.eat(types$1.colon)) return name;\n const node = this.startNodeAt(startPos, startLoc);\n node.namespace =
name;\n node.name = this.jsxParseIdentifier();\n return this.finishNode(node,
"JSXNamespacedName");\n }\n\n jsxParseElementName() {\n const startPos = this.state.start;\n const
startLoc = this.state.startLoc;\n let node = this.jsxParseNamespacedName();\n\n if (node.type ===
"JSXNamespacedName") {\n return node;\n }\n\n while (this.eat(types$1.dot)) {\n const newNode =
this.startNodeAt(startPos, startLoc);\n newNode.object = node;\n newNode.property =
this.jsxParseIdentifier();\n node = this.finishNode(newNode, "JSXMemberExpression");\n }\n\n return
node;\n }\n\n jsxParseAttributeValue() {\n let node;\n\n switch (this.state.type) {\n case types$1.braceL:\n node = this.startNode();\n this.next();\n node = this.jsxParseExpressionContainer(node);\n\n if
(node.expression.type === "JSXEmptyExpression") {\n this.raise(node.start, JsxErrors.AttributeIsEmpty);\n
 }\n\n return node;\n case types$1.jsxTagStart:\n case types$1.string:\n
 return this.parseExprAtom();\n default:\n throw this.raise(this.state.start,
JsxErrors.UnsupportedJsxValue);\n }\n }\n\n jsxParseEmptyExpression() {\n const node =
this.startNodeAt(this.state.lastTokEnd, this.state.lastTokEndLoc);\n return this.finishNodeAt(node,
"JSXEmptyExpression", this.state.start, this.state.startLoc);\n }\n\n jsxParseSpreadChild(node) {\n this.next();\n
 node.expression = this.parseExpression();\n this.expect(types$1.braceR);\n return this.finishNode(node,
"JSXSpreadChild");\n }\n\n jsxParseExpressionContainer(node) {\n if (this.match(types$1.braceR)) {\n
 node.expression = this.jsxParseEmptyExpression();\n } else {\n const expression = this.parseExpression();\n
 node.expression = expression;\n }\n\n this.expect(types$1.braceR);\n return this.finishNode(node,

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\'JSXExpressionContainer\');\n }\n\n jsxParseAttribute() {\n const node = this.startNode();\n\n if
(this.eat(types$1.braceL))
 {\n this.expect(types$1.ellipsis);\n node.argument = this.parseMaybeAssignAllowIn();\n
this.expect(types$1.braceR);\n return this.finishNode(node, \'JSXSpreadAttribute\');\n }\n\n node.name =
this.jsxParseNamespacedName();\n node.value = this.eat(types$1.eq) ? this.jsxParseAttributeValue() : null;\n
return this.finishNode(node, \'JSXAttribute\');\n }\n\n jsxParseOpeningElementAt(startPos, startLoc) {\n const
node = this.startNodeAt(startPos, startLoc);\n\n if (this.match(types$1.jsxTagEnd)) {\n
this.expect(types$1.jsxTagEnd);\n return this.finishNode(node, \'JSXOpeningFragment\');\n }\n\n
node.name = this.jsxParseElementName();\n return this.jsxParseOpeningElementAfterName(node);\n }\n\n
jsxParseOpeningElementAfterName(node) {\n const attributes = [];\n\n while (!this.match(types$1.slash) &&
!this.match(types$1.jsxTagEnd)) {\n attributes.push(this.jsxParseAttribute());\n }\n\n node.attributes =
attributes;\n
 node.selfClosing = this.eat(types$1.slash);\n this.expect(types$1.jsxTagEnd);\n return this.finishNode(node,
\'JSXOpeningElement\');\n }\n\n jsxParseClosingElementAt(startPos, startLoc) {\n const node =
this.startNodeAt(startPos, startLoc);\n\n if (this.match(types$1.jsxTagEnd)) {\n
this.expect(types$1.jsxTagEnd);\n return this.finishNode(node, \'JSXClosingFragment\');\n }\n\n
node.name = this.jsxParseElementName();\n this.expect(types$1.jsxTagEnd);\n return this.finishNode(node,
\'JSXClosingElement\');\n }\n\n jsxParseElementAt(startPos, startLoc) {\n const node =
this.startNodeAt(startPos, startLoc);\n const children = [];\n const openingElement =
this.jsxParseOpeningElementAt(startPos, startLoc);\n let closingElement = null;\n\n if
(!openingElement.selfClosing) {\n contents: for (;;) {\n switch (this.state.type) {\n case
types$1.jsxTagStart:\n startPos = this.state.start;\n startLoc
= this.state.startLoc;\n this.next();\n\n if (this.eat(types$1.slash)) {\n closingElement =
this.jsxParseClosingElementAt(startPos, startLoc);\n break contents;\n }\n\n
children.push(this.jsxParseElementAt(startPos, startLoc));\n break;\n\n case types$1.jsxText:\n
children.push(this.parseExprAtom());\n break;\n\n case types$1.braceL:\n {\n const node
= this.startNode();\n this.next();\n\n if (this.match(types$1.ellipsis)) {\n
children.push(this.jsxParseSpreadChild(node));\n } else {\n
children.push(this.jsxParseExpressionContainer(node));\n }\n\n break;\n }\n\n
default:\n throw this.unexpected();\n }\n }\n\n if (isFragment(openingElement) &&
!isFragment(closingElement)) {\n this.raise(closingElement.start,
JsxErrors.MissingClosingTagFragment);\n } else if (!isFragment(openingElement) &&
isFragment(closingElement)) {\n this.raise(closingElement.start, JsxErrors.MissingClosingTagElement,
getQualifiedJSXName(openingElement.name));\n } else if (!isFragment(openingElement) &&
!isFragment(closingElement)) {\n if (getQualifiedJSXName(closingElement.name) !==
getQualifiedJSXName(openingElement.name)) {\n this.raise(closingElement.start,
JsxErrors.MissingClosingTagElement, getQualifiedJSXName(openingElement.name));\n }\n }\n\n if
(isFragment(openingElement)) {\n node.openingFragment = openingElement;\n node.closingFragment =
closingElement;\n } else {\n node.openingElement = openingElement;\n node.closingElement =
closingElement;\n }\n\n node.children = children;\n\n if (this.isRelational(\'<\')) {\n throw
this.raise(this.state.start, JsxErrors.UnwrappedAdjacentJSXElements);\n }\n\n return
isFragment(openingElement) ? this.finishNode(node, \'JSXFragment\') : this.finishNode(node, \'JSXElement\');\n
}\n\n jsxParseElement() {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n
this.next();\n return this.jsxParseElementAt(startPos, startLoc);\n }\n\n parseExprAtom(refExpressionErrors) {\n
if (this.match(types$1.jsxText)) {\n return this.parseLiteral(this.state.value, \'JSXText\');\n } else if
(this.match(types$1.jsxTagStart)) {\n return this.jsxParseElement();\n } else if (this.isRelational(\'<\')) &&
this.input.charCodeAtAt(this.state.pos) !== 33) {\n this.finishToken(types$1.jsxTagStart);\n return
this.jsxParseElement();\n } else {\n return super.parseExprAtom(refExpressionErrors);\n }\n }\n\n

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getTokenFromCode(code) {\n if (this.state.inPropertyName) return super.getTokenFromCode(code);\n const context = this.curContext();\n if (context === types.j_expr) {\n return this.jsxReadToken();\n }\n if (context === types.j_oTag || context === types.j_cTag) {\n if (isIdentifierStart(code)) {\n return this.jsxReadWord();\n }\n if (code === 62) {\n ++this.state.pos;\n return this.finishToken(types.$1.jsxTagEnd);\n }\n if ((code === 34 || code === 39) && context === types.j_oTag) {\n return this.jsxReadString(code);\n }\n if (code === 60 && this.state.exprAllowed && this.input.charCodeAt(this.state.pos + 1) !== 33) {\n ++this.state.pos;\n return this.finishToken(types.$1.jsxTagStart);\n }\n return super.getTokenFromCode(code);\n }\n updateContext(prevType) {\n if (this.match(types.$1.braceL)) {\n const curContext = this.curContext();\n if (curContext === types.j_oTag) {\n this.state.context.push(types.braceExpression);\n } else if (curContext === types.j_expr) {\n this.state.context.push(types.templateQuasi);\n } else {\n super.updateContext(prevType);\n }\n this.state.exprAllowed = true;\n } else if (this.match(types.$1.slash) && prevType === types.$1.jsxTagStart) {\n this.state.context.length -= 2;\n this.state.context.push(types.j_cTag);\n this.state.exprAllowed = false;\n } else {\n return super.updateContext(prevType);\n }\n }\n}\n\nclass TypeScriptScope extends Scope {\n constructor(...args) {\n super(...args);\n this.types = [];\n this.enums = [];\n this.constEnums = [];\n this.classes = [];\n this.exportOnlyBindings = [];\n }\n}\n\nclass TypeScriptScopeHandler extends ScopeHandler {\n createScope(flags) {\n return new TypeScriptScope(flags);\n }\n declareName(name, bindingType, pos) {\n const scope = this.currentScope();\n if (bindingType & BIND_FLAGS_TS_EXPORT_ONLY) {\n this.maybeExportDefined(scope, name);\n scope.exportOnlyBindings.push(name);\n return;\n }\n super.declareName(...arguments);\n if (bindingType & BIND_KIND_TYPE) {\n if (!(bindingType & BIND_KIND_VALUE)) {\n this.checkRedeclarationInScope(scope, name, bindingType, pos);\n this.maybeExportDefined(scope, name);\n }\n scope.types.push(name);\n }\n if (bindingType & BIND_FLAGS_TS_ENUM) {\n scope.enums.push(name);\n if (bindingType & BIND_FLAGS_TS_CONST_ENUM) {\n scope.constEnums.push(name);\n if (bindingType & BIND_FLAGS_CLASS) {\n scope.classes.push(name);\n }\n }\n if (isRedeclaredInScope(scope, name, bindingType) {\n if (scope.enums.indexOf(name) > -1) {\n if (bindingType & BIND_FLAGS_TS_ENUM) {\n const isConst = !(bindingType & BIND_FLAGS_TS_CONST_ENUM);\n const wasConst = scope.constEnums.indexOf(name) > -1;\n return isConst !== wasConst;\n }\n return true;\n }\n if (bindingType & BIND_FLAGS_CLASS && scope.classes.indexOf(name) > -1) {\n if (scope.lexical.indexOf(name) > -1) {\n return !(bindingType & BIND_KIND_VALUE);\n }\n else {\n return false;\n }\n }\n if (bindingType & BIND_KIND_TYPE && scope.types.indexOf(name) > -1) {\n return true;\n }\n }\n return super.isRedeclaredInScope(...arguments);\n }\n checkLocalExport(id) {\n if (this.scopeStack[0].types.indexOf(id.name) === -1 && this.scopeStack[0].exportOnlyBindings.indexOf(id.name) === -1) {\n super.checkLocalExport(id);\n }\n }\n }\n const PARAM = 0b0000,\n PARAM_YIELD = 0b0001,\n PARAM_AWAIT = 0b0010,\n PARAM_RETURN = 0b0100,\n PARAM_IN = 0b1000;\n class ProductionParameterHandler {\n constructor() {\n this.stacks = [];\n }\n enter(flags) {\n this.stacks.push(flags);\n }\n exit() {\n this.stacks.pop();\n }\n currentFlags() {\n return this.stacks[this.stacks.length - 1];\n }\n get hasAwait() {\n return (this.currentFlags() & PARAM_AWAIT) > 0;\n }\n get hasYield() {\n return (this.currentFlags() & PARAM_YIELD) > 0;\n }\n get hasReturn() {\n return (this.currentFlags() & PARAM_RETURN) > 0;\n }\n get hasIn() {\n return (this.currentFlags() & PARAM_IN) > 0;\n }\n }\n function functionFlags(isAsync, isGenerator) {\n return (isAsync ? PARAM_AWAIT : 0) | (isGenerator ? PARAM_YIELD : 0);\n }\n function nonNull(x) {\n if (x == null) {\n throw new Error(`Unexpected ${x} value.`);\n }\n return x;\n }\n function assert(x) {\n if (!x) {\n throw new Error(`Assert fail`);\n }\n }\n const TSErrors = makeErrorTemplates({\n AbstractMethodHasImplementation: `Method '%0' cannot have an implementation because it is marked abstract.`,\n AccesorCannotDeclareThisParameter: `''get' and 'set' accessors cannot declare 'this' parameters.`,\n });\n}

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AccesorCannotHaveTypeParameters: \"An accessor cannot have type parameters.\",\n
 ClassMethodHasDeclare: \"Class methods cannot have the 'declare' modifier.\",\n
 ClassMethodHasReadOnly: \"Class methods cannot have the 'readonly' modifier.\",\n
 ConstructorHasTypeParameters: \"Type parameters cannot appear on a constructor declaration.\",\n
 DeclareAccessor: \"'declare' is not allowed in %0ters.\",\n
 DeclareClassFieldHasInitializer: \"Initializers are not allowed in ambient contexts.\",\n
 DeclareFunctionHasImplementation: \"An implementation cannot be declared in ambient contexts.\",\n
 DuplicateAccessibilityModifier: \"Accessibility modifier already seen.\",\n
 DuplicateModifier: \"Duplicate modifier: '%0'.\", \n
 EmptyHeritageClauseType: \"'%0' list cannot be empty.\",\n
 EmptyTypeArguments: \"Type argument list cannot be empty.\",\n
 EmptyTypeParameters: \"Type parameter list cannot be empty.\",\n
 ExpectedAmbientAfterExportDeclare: \"'export declare' must be followed by an ambient declaration.\",\n
 ImportAliasHasImportType: \"An import alias can not use 'import type'.\", \n
 IncompatibleModifiers: \"'%0' modifier cannot be used with '%1' modifier.\",\n
 IndexSignatureHasAbstract: \"Index signatures cannot have the 'abstract' modifier.\",\n
 IndexSignatureHasAccessibility: \"Index signatures cannot have an accessibility modifier ('%0').\", \n
 IndexSignatureHasDeclare: \"Index signatures cannot have the 'declare' modifier.\",\n
 IndexSignatureHasOverride: \"'override' modifier cannot appear on an index signature.\",\n
 IndexSignatureHasStatic: \"Index signatures cannot have the 'static' modifier.\",\n
 InvalidModifierOnTypeMember: \"'%0' modifier cannot appear on a type member.\",\n
 InvalidModifiersOrder: \"'%0' modifier must precede '%1' modifier.\",\n
 InvalidTupleMemberLabel: \"Tuple members must be labeled with a simple identifier.\",\n
 MixedLabeledAndUnlabeledElements: \"Tuple members must all have names or all not have names.\",\n
 NonAbstractClassHasAbstractMethod: \"Abstract methods can only appear within an abstract class.\",\n
 NonClassMethodPropertyHasAbstractModifier: \"'abstract' modifier can only appear on a class, method, or property declaration.\",\n
 OptionalTypeBeforeRequired: \"A required element cannot follow an optional element.\",\n
 OverrideNotInSubClass: \"This member cannot have an 'override' modifier because its containing class does not extend another class.\",\n
 PatternIsOptional: \"A binding pattern parameter cannot be optional in an implementation signature.\",\n
 PrivateElementHasAbstract: \"Private elements cannot have the 'abstract' modifier.\",\n
 PrivateElementHasAccessibility: \"Private elements cannot have an accessibility modifier ('%0').\", \n
 ReadonlyForMethodSignature: \"'readonly' modifier can only appear on a property declaration or index signature.\",\n
 SetAccesorCannotHaveOptionalParameter: \"A 'set' accessor cannot have an optional parameter.\",\n
 SetAccesorCannotHaveRestParameter: \"A 'set' accessor cannot have rest parameter.\",\n
 SetAccesorCannotHaveReturnType: \"A 'set' accessor cannot have a return type annotation.\",\n
 StaticBlockCannotHaveModifier: \"Static class blocks cannot have any modifier.\",\n
 TypeAnnotationAfterAssign: \"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.\", \n
 TypeImportCannotSpecifyDefaultAndNamed: \"A type-only import can specify a default import or named bindings, but not both.\",\n
 UnexpectedParameterModifier: \"A parameter property is only allowed in a constructor implementation.\",\n
 UnexpectedReadOnly: \"'readonly' type modifier is only permitted on array and tuple literal types.\",\n
 UnexpectedTypeAnnotation: \"Did not expect a type annotation here.\",\n
 UnexpectedTypeCastInParameter: \"Unexpected type cast in parameter position.\",\n
 UnsupportedImportTypeArgument: \"Argument in a type import must be a string literal.\",\n
 UnsupportedParameterPropertyKind: \"A parameter property may not be declared using a binding pattern.\",\n
 UnsupportedSignatureParameterKind: \"Name in a signature must be an Identifier, ObjectPattern or ArrayPattern, instead got %0.\\\"\\\", ErrorCodes.SyntaxError);\n\nfunction keywordTypeFromName(value) {\n
 switch (value) {\n
 case \"any\":\n
 return \"TSAnyKeyword\";\n\n
 case \"boolean\":\n
 return \"TSBooleanKeyword\";\n\n
 case \"bigint\":\n
 return \"TSBigIntKeyword\";\n\n
 case \"never\":\n
 return \"TSNeverKeyword\";\n\n
 case \"number\":\n
 return \"TSNumberKeyword\";\n\n
 case \"object\":\n
 return \"TSObjectKeyword\";\n\n
 case \"string\":\n
 return \"TSStringKeyword\";\n\n
 case \"symbol\":\n
 return \"TSSymbolKeyword\";\n\n
 case \"undefined\":\n
 return \"TSUndefinedKeyword\";\n\n
 case \"unknown\":\n

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return \"TSUnknownKeyword\";\n\n default:\n return undefined;\n }\n}\n\nfunction
tsIsAccessModifier(modifier) {\n return modifier === \"private\" || modifier === \"public\" || modifier ===
\"protected\";\n}\n\n\nvar typescript = (superClass => class extends superClass {\n getScopeHandler() {\n return
TypeScriptScopeHandler;\n }\n\n tsIsIdentifier() {\n return this.match(types$1.name);\n }\n\n tsTokenCanFollowModifier()
{\n return (this.match(types$1.bracketL) || this.match(types$1.braceL) || this.match(types$1.star) ||
this.match(types$1.ellipsis) || this.match(types$1.privateName) || this.isLiteralPropertyName()) &&
!this.hasPrecedingLineBreak();\n }\n\n tsNextTokenCanFollowModifier() {\n this.next();\n return
this.tsTokenCanFollowModifier();\n }\n\n tsParseModifier(allowedModifiers) {\n if (!this.match(types$1.name))
{\n return undefined;\n }\n\n const modifier = this.state.value;\n\n if (allowedModifiers.indexOf(modifier)
!== -1 && this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this))) {\n return modifier;\n }\n\n return
undefined;\n }\n\n tsParseModifiers(modified, allowedModifiers, disallowedModifiers, errorTemplate) {\n
const enforceOrder = (pos, modifier, before, after) => {\n if (modifier === before && modified[after]) {\n
this.raise(pos, TSErrors.InvalidModifiersOrder, before, after);\n }\n };\n\n const incompatible = (pos, modifier, mod1, mod2) => {\n if (modified[mod1] && modifier === mod2 ||
modified[mod2] && modifier === mod1) {\n this.raise(pos, TSErrors.IncompatibleModifiers, mod1, mod2);\n }\n };\n\n for (;) {\n const startPos = this.state.start;\n const modifier =
this.tsParseModifier(allowedModifiers.concat(disallowedModifiers != null ? disallowedModifiers : []));\n if
(!modifier) break;\n\n if (tsIsAccessModifier(modifier)) {\n if (modified.accessibility) {\n
this.raise(startPos, TSErrors.DuplicateAccessibilityModifier);\n } else {\n enforceOrder(startPos,
modifier, modifier, \"override\");\n enforceOrder(startPos, modifier, modifier, \"static\");\n
modified.accessibility = modifier;\n }\n } else {\n if (Object.hasOwnProperty.call(modified, modifier))
{\n this.raise(startPos, TSErrors.DuplicateModifier, modifier);\n } else {\n
 enforceOrder(startPos, modifier, \"static\", \"readonly\");\n enforceOrder(startPos, modifier, \"static\",
\"override\");\n enforceOrder(startPos, modifier, \"override\", \"readonly\");\n enforceOrder(startPos,
modifier, \"abstract\", \"override\");\n incompatible(startPos, modifier, \"declare\", \"override\");\n
incompatible(startPos, modifier, \"static\", \"abstract\");\n }\n\n modified[modifier] = true;\n }\n\n if
(disallowedModifiers != null && disallowedModifiers.includes(modifier)) {\n this.raise(startPos,
errorTemplate, modifier);\n }\n }\n}\n\n tsIsListTerminator(kind) {\n switch (kind) {\n case
\"EnumMembers\":\n case \"TypeMembers\":\n return this.match(types$1.braceR);\n\n case
\"HeritageClauseElement\":\n return this.match(types$1.braceL);\n\n case \"TupleElementTypes\":\n
return this.match(types$1.bracketR);\n\n case \"TypeParametersOrArguments\":\n
return this.isRelational(>);\n }\n\n throw new Error(\"Unreachable\");\n }\n\n tsParseList(kind,
parseElement) {\n const result = [];\n\n while (!this.tsIsListTerminator(kind)) {\n
result.push(parseElement());\n }\n\n return result;\n }\n\n tsParseDelimitedList(kind, parseElement) {\n
return nonNull(this.tsParseDelimitedListWorker(kind, parseElement, true));\n }\n\n tsParseDelimitedListWorker(kind, parseElement, expectSuccess) {\n const result = [];\n\n for (;) {\n if
(this.tsIsListTerminator(kind)) {\n break;\n }\n\n const element = parseElement();\n\n if (element ==
null) {\n return undefined;\n }\n\n result.push(element);\n\n if (this.eat(types$1.comma)) {\n
continue;\n }\n\n if (this.tsIsListTerminator(kind)) {\n break;\n }\n\n if (expectSuccess) {\n
this.expect(types$1.comma);\n }\n\n return
result;\n }\n\n tsParseBracketedList(kind, parseElement, bracket, skipFirstToken) {\n if (!skipFirstToken) {\n
if (bracket) {\n this.expect(types$1.bracketL);\n } else {\n this.expectRelational(<);\n }\n }\n\n const result = this.tsParseDelimitedList(kind, parseElement);\n\n if (bracket) {\n
this.expect(types$1.bracketR);\n } else {\n this.expectRelational(>);\n }\n\n return result;\n }\n\n tsParseImportType() {\n const node = this.startNode();\n this.expect(types$1._import);\n
this.expect(types$1.parenL);\n\n if (!this.match(types$1.string)) {\n this.raise(this.state.start,
TSErrors.UnsupportedImportTypeArgument);\n }\n\n node.argument = this.parseExprAtom();\n }

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this.expect(types$1.parenR);\n\n if (this.eat(types$1.dot)) {\n node.qualifier = this.tsParseEntityName(true);\n}\n\n if (this.isRelational("<")) {\n node.typeParameters = this.tsParseTypeArguments();\n}\n\n return this.finishNode(node, \"TSImportType\");\n}\n\n tsParseEntityName(allowReservedWords) {\n let entity = this.parseIdentifier();\n\n while (this.eat(types$1.dot)) {\n const node = this.startNodeAtNode(entity);\n node.left = entity;\n node.right = this.parseIdentifier(allowReservedWords);\n entity = this.finishNode(node, \"TSQualifiedName\");\n }\n\n return entity;\n}\n\n tsParseTypeReference()\n{\n const node = this.startNode();\n node.typeName = this.tsParseEntityName(false);\n\n if (!this.hasPrecedingLineBreak() && this.isRelational("<\"\")) {\n node.typeParameters = this.tsParseTypeArguments();\n }\n\n return this.finishNode(node, \"TSTypeReference\");\n}\n\n tsParseThisTypePredicate(lhs) {\n this.next();\n const node = this.startNodeAtNode(lhs);\n node.parameterName = lhs;\n node.typeAnnotation = this.tsParseTypeAnnotation(false);\n node.asserts = false;\n return this.finishNode(node, \"TSTypePredicate\");\n}\n\n tsParseThisTypeNode() {\n const node = this.startNode();\n this.next();\n return this.finishNode(node, \"TSThisType\");\n}\n\n tsParseTypeQuery() {\n const node = this.startNode();\n this.expect(types$1._typeof);\n\n if (this.match(types$1._import)) {\n node.exprName = this.tsParseImportType();\n } else {\n node.exprName = this.tsParseEntityName(true);\n }\n\n return this.finishNode(node, \"TSTypeQuery\");\n}\n\n tsParseTypeParameter() {\n const node = this.startNode();\n node.name = this.parseIdentifierName(node.start);\n node.constraint = this.tsEatThenParseType(types$1._extends);\n node.default = this.tsEatThenParseType(types$1.eq);\n return this.finishNode(node, \"TSTypeParameter\");\n}\n\n tsTryParseTypeParameters() {\n if (this.isRelational("<\"\")) {\n return this.tsParseTypeParameters();\n }\n}\n\n tsParseTypeParameters() {\n const node = this.startNode();\n\n if (this.isRelational("<\"\"))\n || this.match(types$1.jsxTagStart)) {\n this.next();\n } else {\n this.unexpected();\n }\n\n node.params = this.tsParseBracketedList(\"TypeParametersOrArguments\", this.tsParseTypeParameter.bind(this), false, true);\n\n if (node.params.length === 0) {\n this.raise(node.start, TSErrors.EmptyTypeParameters);\n }\n\n return this.finishNode(node, \"TSTypeParameterDeclaration\");\n}\n\n tsTryNextParseConstantContext() {\n if (this.lookahead().type === types$1._const) {\n this.next();\n return this.tsParseTypeReference();\n }\n\n return null;\n}\n\n tsFillSignature(returnToken, signature) {\n const returnTokenRequired = returnToken === types$1.arrow;\n signature.typeParameters = this.tsTryParseTypeParameters();\n this.expect(types$1.parenL);\n signature.parameters = this.tsParseBindingListForSignature();\n\n if (returnTokenRequired) {\n signature.typeAnnotation = this.tsParseTypeOrTypePredicateAnnotation(returnToken);\n } else if (this.match(returnToken)) {\n signature.typeAnnotation = this.tsParseTypeOrTypePredicateAnnotation(returnToken);\n }\n}\n\n tsParseBindingListForSignature() {\n return this.parseBindingList(types$1.parenR, 41).map(pattern => {\n if (pattern.type !== \"Identifier\" && pattern.type !== \"RestElement\" && pattern.type !== \"ObjectPattern\" && pattern.type !== \"ArrayPattern\") {\n this.raise(pattern.start, TSErrors.UnsupportedSignatureParameterKind, pattern.type);\n }\n\n return pattern;\n });\n}\n\n tsParseTypeMemberSemicolon() {\n if (!this.eat(types$1.comma) && !this.isLineTerminator()) {\n this.expect(types$1.semi);\n }\n}\n\n tsParseSignatureMember(kind, node) {\n this.tsFillSignature(types$1.colon, node);\n this.tsParseTypeMemberSemicolon();\n return this.finishNode(node, kind);\n}\n\n tsIsUnambiguouslyIndexSignature() {\n this.next();\n return this.eat(types$1.name) && this.match(types$1.colon);\n}\n\n tsTryParseIndexSignature(node) {\n if (!this.match(types$1.bracketL) && this.tsLookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this))) {\n return undefined;\n }\n\n this.expect(types$1.bracketL);\n const id = this.parseIdentifier();\n id.typeAnnotation = this.tsParseTypeAnnotation();\n this.resetEndLocation(id);\n this.expect(types$1.bracketR);\n node.parameters = [id];\n const type = this.tsTryParseTypeAnnotation();\n if (type) node.typeAnnotation = type;\n this.tsParseTypeMemberSemicolon();\n return this.finishNode(node, \"TSIndexSignature\");\n}\n\n tsParsePropertyOrMethodSignature(node, readonly) {\n if (this.eat(types$1.question)) node.optional = true;\n}

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const nodeAny = node;\n\n if (this.match(types$1.parenL) || this.isRelational("<")) {\n if (readonly) {\n this.raise(node.start, TSErrors.ReadonlyForMethodSignature);\n }\n const method = nodeAny;\n if (method.kind\n && this.isRelational("<")) {\n this.raise(this.state.pos, TSErrors.AccessorCannotHaveTypeParameters);\n }\n this.tsFillSignature(types$1.colon, method);\n this.tsParseTypeMemberSemicolon();\n if (method.kind === "get") {\n if (method.parameters.length > 0) {\n this.raise(this.state.pos, ErrorMessages.BadGetterArity);\n }\n if (this.isThisParam(method.parameters[0])) {\n this.raise(this.state.pos, TSErrors.AccessorCannotDeclareThisParameter);\n }\n } else if (method.kind === "set") {\n if (method.parameters.length !== 1) {\n this.raise(this.state.pos, ErrorMessages.BadSetterArity);\n }\n } else {\n const firstParameter = method.parameters[0];\n if (this.isThisParam(firstParameter)) {\n this.raise(this.state.pos, TSErrors.AccessorCannotDeclareThisParameter);\n }\n if (firstParameter.type === "Identifier" && firstParameter.optional)\n {\n this.raise(this.state.pos, TSErrors.SetAccessorCannotHaveOptionalParameter);\n }\n if (firstParameter.type === "RestElement") {\n this.raise(this.state.pos, TSErrors.SetAccessorCannotHaveRestParameter);\n }\n }\n if (method.typeAnnotation) {\n this.raise(method.typeAnnotation.start, TSErrors.SetAccessorCannotHaveReturnType);\n }\n } else {\n method.kind = "method";\n return this.finishNode(method, "TSMMethodSignature");\n } else {\n const property = nodeAny;\n if (readonly) property.readonly = true;\n const type = this.tsTryParseTypeAnnotation();\n if (type) property.typeAnnotation = type;\n this.tsParseTypeMemberSemicolon();\n return this.finishNode(property, "TSPropertySignature");\n }\n}\n\n tsParseTypeMember() {\n const node = this.startNode();\n if (this.match(types$1.parenL) || this.isRelational("<"))\n {\n return this.tsParseSignatureMember("TSCallSignatureDeclaration", node);\n }\n if (this.match(types$1._new)) {\n const id = this.startNode();\n this.next();\n if (this.match(types$1.parenL) || this.isRelational("<")) {\n return this.tsParseSignatureMember("TSConstructSignatureDeclaration", node);\n }\n } else {\n node.key = this.createIdentifier(id, "new");\n return this.tsParsePropertyOrMethodSignature(node, false);\n }\n }\n this.tsParseModifiers(node, ["readonly", "declare", "abstract", "private", "protected", "public", "static", "override"], TSErrors.InvalidModifierOnTypeMember);\n const idx = this.tsTryParseIndexSignature(node);\n if (idx) {\n return idx;\n }\n this.parsePropertyName(node, false);\n if (!node.computed && node.key.type === "Identifier" && (node.key.name === "get" || node.key.name === "set") && this.tsTokenCanFollowModifier())\n {\n node.kind = node.key.name;\n this.parsePropertyName(node, false);\n }\n return this.tsParsePropertyOrMethodSignature(node, !!node.readonly);\n}\n\n tsParseTypeLiteral() {\n const node = this.startNode();\n node.members = this.tsParseObjectTypeMembers();\n return this.finishNode(node, "TSTypeLiteral");\n}\n\n tsParseObjectTypeMembers() {\n this.expect(types$1.braceL);\n const members = this.tsParseList("TypeMembers", this.tsParseTypeMember.bind(this));\n this.expect(types$1.braceR);\n return members;\n}\n\n tsIsStartOfMappedType() {\n this.next();\n if (this.eat(types$1.plusMin)) {\n return this.isContextual("readonly");\n }\n if (this.isContextual("readonly")) {\n this.next();\n }\n if (!this.match(types$1.bracketL)) {\n return false;\n }\n this.next();\n if (!this.tsIsIdentifier()) {\n return false;\n }\n this.next();\n return this.match(types$1._in);\n}\n\n tsParseMappedTypeParameter() {\n const node = this.startNode();\n node.name = this.parseIdentifierName(node.start);\n node.constraint = this.tsExpectThenParseType(types$1._in);\n return this.finishNode(node, "TSTypeParameter");\n}\n\n tsParseMappedType() {\n const node = this.startNode();\n this.expect(types$1.braceL);\n if (this.match(types$1.plusMin)) {\n node.readonly = this.state.value;\n this.next();\n this.expectContextual("readonly");\n } else if (this.eatContextual("readonly")) {\n node.readonly = true;\n }\n this.expect(types$1.bracketL);\n node.typeParameter = this.tsParseMappedTypeParameter();\n}

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node.nameType = this.eatContextual("\"as\"") ? this.tsParseType() : null;\n this.expect(types$1.bracketR);\n\n if
(this.match(types$1.plusMin)) {\n node.optional = this.state.value;\n this.next();\n
this.expect(types$1.question);\n } else if (this.eat(types$1.question)) {\n node.optional = true;\n
}\n\n node.typeAnnotation = this.tsTryParseType();\n this.semicolon();\n this.expect(types$1.braceR);\n
return this.finishNode(node, \"TSMappedType\");\n}\n\n tsParseTupleType() {\n const node =
this.startNode();\n node.elementTypes = this.tsParseBracketedList(\"TupleElementTypes\",
this.tsParseTupleElementType.bind(this), true, false);\n let seenOptionalElement = false;\n let labeledElements =
null;\n node.elementTypes.forEach(elementNode => {\n var _labeledElements;\n\n let {\n type\n } =
elementNode;\n\n if (seenOptionalElement && type !== \"TSRestType\" && type !== \"TSOptionalType\" &&
!(type === \"TSNamedTupleMember\" && elementNode.optional)) {\n this.raise(elementNode.start,
TSErrors.OptionalTypeBeforeRequired);\n }\n\n seenOptionalElement = seenOptionalElement || type ===
\"TSNamedTupleMember\" && elementNode.optional || type === \"TSOptionalType\";\n\n if (type ===
\"TSRestType\") {\n elementNode
= elementNode.typeAnnotation;\n type = elementNode.type;\n }\n\n const isLabeled = type ===
\"TSNamedTupleMember\";\n labeledElements = (_labeledElements = labeledElements) != null ?
_labeledElements : isLabeled;\n\n if (labeledElements !== isLabeled) {\n this.raise(elementNode.start,
TSErrors.MixedLabeledAndUnlabeledElements);\n }\n });\n return this.finishNode(node,
\"TSTupleType\");\n}\n\n tsParseTupleElementType() {\n const {\n start: startPos,\n startLoc\n } =
this.state;\n const rest = this.eat(types$1.ellipsis);\n let type = this.tsParseType();\n const optional =
this.eat(types$1.question);\n const labeled = this.eat(types$1.colon);\n\n if (labeled) {\n const labeledNode =
this.startNodeAtNode(type);\n labeledNode.optional = optional;\n\n if (type.type === \"TSTypeReference\"
&& !type.typeParameters && type.typeName.type === \"Identifier\") {\n labeledNode.label =
type.typeName;\n
 } else {\n this.raise(type.start, TSErrors.InvalidTupleMemberLabel);\n labeledNode.label = type;\n
 }\n\n labeledNode.elementType = this.tsParseType();\n type = this.finishNode(labeledNode,
\"TSNamedTupleMember\");\n } else if (optional) {\n const optionalTypeNode =
this.startNodeAtNode(type);\n optionalTypeNode.typeAnnotation = type;\n type =
this.finishNode(optionalTypeNode, \"TSOptionalType\");\n }\n\n if (rest) {\n const restNode =
this.startNodeAt(startPos, startLoc);\n restNode.typeAnnotation = type;\n type = this.finishNode(restNode,
\"TSRestType\");\n }\n\n return type;\n}\n\n tsParseParenthesizedType() {\n const node = this.startNode();\n
this.expect(types$1.parenL);\n node.typeAnnotation = this.tsParseType();\n this.expect(types$1.parenR);\n
return this.finishNode(node, \"TSParenthesizedType\");\n}\n\n tsParseFunctionOrConstructorType(type, abstract)
{\n const node =
this.startNode();\n\n if (type === \"TSConstructorType\") {\n node.abstract = !!abstract;\n if (abstract)
this.next();\n this.next();\n }\n\n this.tsFillSignature(types$1.arrow, node);\n return this.finishNode(node,
type);\n}\n\n tsParseLiteralTypeNode() {\n const node = this.startNode();\n\n node.literal = () => {\n
switch (this.state.type) {\n case types$1.num:\n case types$1.bigint:\n case types$1.string:\n case
types$1._true:\n case types$1._false:\n return this.parseExprAtom();\n\n default:\n throw
this.unexpected();\n }\n }();\n\n return this.finishNode(node, \"TSLiteralType\");\n}\n\n
tsParseTemplateLiteralType() {\n const node = this.startNode();\n node.literal = this.parseTemplate(false);\n
return this.finishNode(node, \"TSLiteralType\");\n}\n\n parseTemplateSubstitution() {\n if (this.state.inType)
return this.tsParseType();\n return super.parseTemplateSubstitution();\n
}\n\n tsParseThisTypeOrThisTypePredicate() {\n const thisKeyword = this.tsParseThisTypeNode();\n\n if
(this.isContextual(\"is\") && !this.hasPrecedingLineBreak()) {\n return
this.tsParseThisTypePredicate(thisKeyword);\n } else {\n return thisKeyword;\n }\n}\n\n
tsParseNonArrayType() {\n switch (this.state.type) {\n case types$1.name:\n case types$1._void:\n case
types$1._null:\n {\n const type = this.match(types$1._void) ? \"TSVoidKeyword\" :
this.match(types$1._null) ? \"TSNullKeyword\" : keywordTypeFromName(this.state.value);\n\n if (type !==

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undefined && this.lookaheadCharCode() !== 46) {\n const node = this.startNode();\n this.next();\n return this.finishNode(node, type);\n }\n return this.tsParseTypeReference();\n }\n case\n types$1.string:\n case types$1.num:\n case types$1.bigint:\n case types$1._true:\n case types$1._false:\n return this.tsParseLiteralTypeNode();\n case types$1.plusMin:\n if\n (this.state.value === \"-\") {\n const node = this.startNode();\n const nextToken = this.lookahead();\n if (nextToken.type !== types$1.num && nextToken.type !== types$1.bigint) {\n throw\n this.unexpected();\n }\n node.literal = this.parseMaybeUnary();\n return this.finishNode(node,\n \"TSLiteralType\");\n }\n break;\n case types$1._this:\n return\n this.tsParseThisTypeOrThisTypePredicate();\n case types$1._typeof:\n return this.tsParseTypeQuery();\n case types$1._import:\n return this.tsParseImportType();\n case types$1.braceL:\n return\n this.tsLookAhead(this.tsIsStartOfMappedType.bind(this)) ? this.tsParseMappedType() :\n this.tsParseTypeLiteral();\n case types$1.bracketL:\n return this.tsParseTupleType();\n case\n types$1.parenL:\n return this.tsParseParenthesizedType();\n case types$1.backQuote:\n return\n this.tsParseTemplateLiteralType();\n }\n throw this.unexpected();\n }\n tsParseArrayTypeOrHigher() {\n let type = this.tsParseNonArrayType();\n while (!this.hasPrecedingLineBreak() && this.eat(types$1.bracketL))\n {\n if (this.match(types$1.bracketR)) {\n const node = this.startNodeAtNode(type);\n node.elementType\n = type;\n this.expect(types$1.bracketR);\n type = this.finishNode(node, \"TSArrayType\");\n } else {\n const node = this.startNodeAtNode(type);\n node.objectType = type;\n node.indexType =\n this.tsParseType();\n this.expect(types$1.bracketR);\n type = this.finishNode(node,\n \"TSIndexedAccessType\");\n }\n return type;\n }\n tsParseTypeOperator(operator) {\n const node\n = this.startNode();\n this.expectContextual(operator);\n node.operator = operator;\n node.typeAnnotation = this.tsParseTypeOperatorOrHigher();\n if (operator === \"readonly\") {\n this.tsCheckTypeAnnotationForReadOnly(node);\n }\n return this.finishNode(node, \"TSTypeOperator\");\n }\n tsCheckTypeAnnotationForReadOnly(node) {\n switch (node.typeAnnotation.type) {\n case\n \"TSTupleType\":\n case \"TSArrayType\":\n return;\n default:\n this.raise(node.start,\n TSErrors.UnexpectedReadOnly);\n }\n }\n tsParseInferType() {\n const node = this.startNode();\n this.expectContextual(\"infer\");\n const typeParameter = this.startNode();\n typeParameter.name =\n this.parseIdentifierName(typeParameter.start);\n node.typeParameter = this.finishNode(typeParameter,\n \"TSTypeParameter\");\n return this.finishNode(node, \"TSInferType\");\n }\n tsParseTypeOperatorOrHigher()\n {\n const operator = [\"keyof\", \"unique\", \"readonly\"].find(kw => this.isContextual(kw));\n return operator ?\n this.tsParseTypeOperator(operator)\n :\n this.isContextual(\"infer\") ? this.tsParseInferType() : this.tsParseArrayTypeOrHigher();\n }\n tsParseUnionOrIntersectionType(kind, parseConstituentType, operator) {\n const node = this.startNode();\n const hasLeadingOperator = this.eat(operator);\n const types = [];\n do {\n types.push(parseConstituentType());\n } while (this.eat(operator));\n if (types.length === 1 &&\n !hasLeadingOperator) {\n return types[0];\n }\n node.types = types;\n return this.finishNode(node,\n kind);\n }\n tsParseIntersectionTypeOrHigher() {\n return\n this.tsParseUnionOrIntersectionType(\"TSIntersectionType\", this.tsParseTypeOperatorOrHigher.bind(this),\n types$1.bitwiseAND);\n }\n tsParseUnionTypeOrHigher() {\n return\n this.tsParseUnionOrIntersectionType(\"TSUnionType\", this.tsParseIntersectionTypeOrHigher.bind(this),\n types$1.bitwiseOR);\n }\n tsIsStartOfFunctionType() {\n if (this.isRelational(\"<\")) {\n return true;\n }\n return this.match(types$1.parenL) &&\n this.tsLookAhead(this.tsIsUnambiguouslyStartOfFunctionType.bind(this));\n }\n tsSkipParameterStart() {\n if\n (this.match(types$1.name) || this.match(types$1._this)) {\n this.next();\n return true;\n }\n if\n (this.match(types$1.braceL)) {\n let braceStackCounter = 1;\n this.next();\n while (braceStackCounter >\n 0) {\n if (this.match(types$1.braceL)) {\n ++braceStackCounter;\n } else if\n (this.match(types$1.braceR)) {\n --braceStackCounter;\n }\n this.next();\n }\n return true;\n }\n }\n }\n}

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}\n\n if (this.match(types$1.bracketL)) {\n let braceStackCounter = 1;\n this.next();\n\n while
(braceStackCounter > 0) {\n if (this.match(types$1.bracketL)) {\n ++braceStackCounter;\n } else if
(this.match(types$1.bracketR)) {\n --braceStackCounter;\n }\n this.next();\n }\n\n return
true;\n\n }\n\n return false;\n }\n\n tsIsUnambiguouslyStartOfFunctionType() {\n this.next();\n\n if
(this.match(types$1.parenR) || this.match(types$1.ellipsis)) {\n return true;\n }\n\n if
(this.tsSkipParameterStart()) {\n if (this.match(types$1.colon) || this.match(types$1.comma) ||
this.match(types$1.question) || this.match(types$1.eq)) {\n return true;\n }\n\n if
(this.match(types$1.parenR)) {\n this.next();\n\n if (this.match(types$1.arrow)) {\n return true;\n }\n }\n }\n\n return false;\n }\n\n tsParseTypeOrTypePredicateAnnotation(returnToken) {\n return
this.tsInType() => {\n const t = this.startNode();\n this.expect(returnToken);\n const node =
this.startNode();\n const asserts = !!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));\n\n if (asserts
&& this.match(types$1._this)) {\n let thisTypePredicate = this.tsParseThisTypeOrThisTypePredicate();\n\n if (thisTypePredicate.type === \"TSThisType\") {\n node.parameterName = thisTypePredicate;\n node.asserts = true;\n thisTypePredicate = this.finishNode(node, \"TSTypePredicate\");\n } else {\n this.resetStartLocationFromNode(thisTypePredicate, node);\n thisTypePredicate.asserts = true;\n }\n\n t.typeAnnotation = thisTypePredicate;\n return this.finishNode(t, \"TSTypeAnnotation\");\n }\n\n const
typePredicateVariable = this.tsIsIdentifier() && this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));\n\n if (!typePredicateVariable) {\n if (!asserts) {\n return this.tsParseTypeAnnotation(false, t);\n }\n\n node.parameterName = this.parseIdentifier();\n node.asserts = asserts;\n t.typeAnnotation =
this.finishNode(node, \"TSTypePredicate\");\n return this.finishNode(t, \"TSTypeAnnotation\");\n }\n\n const type = this.tsParseTypeAnnotation(false);\n\n node.parameterName = typePredicateVariable;\n node.typeAnnotation = type;\n node.asserts = asserts;\n t.typeAnnotation = this.finishNode(node, \"TSTypePredicate\");\n return this.finishNode(t,
\"TSTypeAnnotation\");\n });\n }\n\n tsTryParseTypeOrTypePredicateAnnotation() {\n return
this.match(types$1.colon) ? this.tsParseTypeOrTypePredicateAnnotation(types$1.colon) : undefined;\n }\n\n
tsTryParseTypeAnnotation() {\n return this.match(types$1.colon) ? this.tsParseTypeAnnotation() : undefined;\n
}\n\n tsTryParseType() {\n return this.tsEatThenParseType(types$1.colon);\n }\n\n tsParseTypePredicatePrefix()
{\n const id = this.parseIdentifier();\n\n if (this.isContextual(\"is\") && !this.hasPrecedingLineBreak()) {\n this.next();\n return id;\n }\n }\n\n tsParseTypePredicateAsserts() {\n if (!this.match(types$1.name) ||
this.state.value !== \"asserts\") {\n return false;\n }\n\n }\n\n const containsEsc = this.state.containsEsc;\n this.next();\n\n if (!this.match(types$1.name) &&
!this.match(types$1._this)) {\n return false;\n }\n\n if (containsEsc) {\n this.raise(this.state.lastTokStart,
ErrorMessages.InvalidEscapedReservedWord, \"asserts\");\n }\n\n return true;\n }\n\n
tsParseTypeAnnotation(eatColon = true, t = this.startNode()) {\n this.tsInType() => {\n if (eatColon)
this.expect(types$1.colon);\n t.typeAnnotation = this.tsParseType();\n });\n return this.finishNode(t,
\"TSTypeAnnotation\");\n }\n\n tsParseType() {\n assert(this.state.inType);\n const type =
this.tsParseNonConditionalType();\n\n if (this.hasPrecedingLineBreak() || !this.eat(types$1._extends)) {\n return type;\n }\n\n const node = this.startNodeAtNode(type);\n node.checkType = type;\n node.extendsType
= this.tsParseNonConditionalType();\n this.expect(types$1.question);\n node.trueType = this.tsParseType();\n this.expect(types$1.colon);\n node.falseType = this.tsParseType();\n return this.finishNode(node,
\"TSConditionalType\");\n }\n\n isAbstractConstructorSignature() {\n return this.isContextual(\"abstract\") &&
this.lookahead().type === types$1._new;\n }\n\n tsParseNonConditionalType() {\n if
(this.tsIsStartOfFunctionType()) {\n return this.tsParseFunctionOrConstructorType(\"TSFunctionType\");\n }\n\n if (this.match(types$1._new)) {\n return
this.tsParseFunctionOrConstructorType(\"TSConstructorType\");\n } else if
(this.isAbstractConstructorSignature()) {\n return
this.tsParseFunctionOrConstructorType(\"TSConstructorType\", true);\n }\n\n return

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this.tsParseUnionTypeOrHigher();\n }\n\n tsParseTypeAssertion() {\n const node = this.startNode();\n const\n _const = this.tsTryNextParseConstantContext();\n node.typeAnnotation = _const ||\n this.tsNextThenParseType();\n this.expectRelational(">");\n node.expression\n = this.parseMaybeUnary();\n return this.finishNode(node, "TSTypeAssertion");\n }\n\n tsParseHeritageClause(descriptor) {\n const originalStart = this.state.start;\n const delimitedList =\n this.tsParseDelimitedList("HeritageClauseElement", this.tsParseExpressionWithTypeArguments.bind(this));\n if (!delimitedList.length) {\n this.raise(originalStart, TSErrors.EmptyHeritageClauseType, descriptor);\n }\n return delimitedList;\n }\n\n tsParseExpressionWithTypeArguments() {\n const node = this.startNode();\n node.expression = this.tsParseEntityName(false);\n if (this.isRelational("<")) {\n node.typeParameters =\n this.tsParseTypeArguments();\n }\n return this.finishNode(node, "TSExpressionWithTypeArguments");\n }\n\n tsParseInterfaceDeclaration(node) {\n node.id = this.parseIdentifier();\n this.checkLVal(node.id,\n "typescript interface declaration", BIND_TS_INTERFACE);\n node.typeParameters =\n this.tsTryParseTypeParameters();\n\n if (this.eat(types$1._extends)) {\n node.extends = this.tsParseHeritageClause("extends");\n }\n const\n body = this.startNode();\n body.body = this.tsInType(this.tsParseObjectTypeMembers.bind(this));\n node.body\n = this.finishNode(body, "TSInterfaceBody");\n return this.finishNode(node, "TSInterfaceDeclaration");\n }\n\n tsParseTypeAliasDeclaration(node) {\n node.id = this.parseIdentifier();\n this.checkLVal(node.id, "typescript\n type alias", BIND_TS_TYPE);\n node.typeParameters = this.tsTryParseTypeParameters();\n node.typeAnnotation = this.tsInType(() => {\n this.expect(types$1.eq);\n if (this.isContextual("intrinsic")\n && this.lookahead().type !== types$1.dot) {\n const node = this.startNode();\n this.next();\n return\n this.finishNode(node, "TSIntrinsicKeyword");\n }\n return this.tsParseType();\n });\n this.semicolon();\n return this.finishNode(node, "TSTypeAliasDeclaration");\n }\n\n tsInNoContext(cb) {\n const oldContext = this.state.context;\n this.state.context = [oldContext[0]];\n try {\n return cb();\n } finally {\n this.state.context = oldContext;\n }\n }\n\n tsInType(cb) {\n const\n oldInType = this.state.inType;\n this.state.inType = true;\n try {\n return cb();\n } finally {\n this.state.inType = oldInType;\n }\n }\n\n tsEatThenParseType(token) {\n return !this.match(token) ?\n undefined : this.tsNextThenParseType();\n }\n\n tsExpectThenParseType(token) {\n return\n this.tsDoThenParseType(() => this.expect(token));\n }\n\n tsNextThenParseType() {\n return\n this.tsDoThenParseType(() => this.next());\n }\n\n tsDoThenParseType(cb) {\n return this.tsInType(() => {\n cb();\n return this.tsParseType();\n });\n }\n\n tsParseEnumMember() {\n const node = this.startNode();\n node.id = this.match(types$1.string) ? this.parseExprAtom() : this.parseIdentifier(true);\n\n if (this.eat(types$1.eq)) {\n node.initializer = this.parseMaybeAssignAllowIn();\n }\n return\n this.finishNode(node, "TSEnumMember");\n }\n\n tsParseEnumDeclaration(node, isConst) {\n if (isConst)\n node.const = true;\n node.id = this.parseIdentifier();\n this.checkLVal(node.id, "typescript enum declaration",\n isConst ? BIND_TS_CONST_ENUM : BIND_TS_ENUM);\n this.expect(types$1.braceL);\n node.members =\n this.tsParseDelimitedList("EnumMembers", this.tsParseEnumMember.bind(this));\n this.expect(types$1.braceR);\n return this.finishNode(node, "TSEnumDeclaration");\n }\n\n tsParseModuleBlock() {\n const node = this.startNode();\n this.scope.enter(SCOPE_OTHER);\n this.expect(types$1.braceL);\n this.parseBlockOrModuleBlockBody(node.body = [], undefined, true,\n types$1.braceR);\n this.scope.exit();\n return this.finishNode(node, "TSModuleBlock");\n }\n\n tsParseModuleOrNamespaceDeclaration(node, nested = false) {\n node.id\n = this.parseIdentifier();\n if (!nested) {\n this.checkLVal(node.id, "module or namespace declaration",\n BIND_TS_NAMESPACE);\n }\n if (this.eat(types$1.dot)) {\n const inner = this.startNode();\n this.tsParseModuleOrNamespaceDeclaration(inner, true);\n node.body = inner;\n } else {\n this.scope.enter(SCOPE_TS_MODULE);\n this.prodParam.enter(PARAM);\n node.body =\n this.tsParseModuleBlock();\n this.prodParam.exit();\n this.scope.exit();\n }\n return\n this.finishNode(node, "TSModuleDeclaration");\n }\n\n tsParseAmbientExternalModuleDeclaration(node) {\n if (this.isContextual("global")) {\n node.global = true;\n node.id = this.parseIdentifier();\n } else if

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(this.match(types$1.string)) {\n node.id = this.parseExprAtom();\n } else {\n this.unexpected();\n }\n\nif (this.match(types$1.braceL)) {\n this.scope.enter(SCOPE_TS_MODULE);\n this.prodParam.enter(PARAM);\n node.body\n = this.tsParseModuleBlock();\n this.prodParam.exit();\n this.scope.exit();\n } else {\n this.semicolon();\n }\n\nreturn this.finishNode(node, \"TSModuleDeclaration\");\n }\n\n tsParseImportEqualsDeclaration(node,\n isExport) {\n node.isExport = isExport || false;\n node.id = this.parseIdentifier();\n this.checkLVal(node.id,\n \"import equals declaration\", BIND_LEXICAL);\n this.expect(types$1.eq);\n const moduleReference =\n this.tsParseModuleReference();\n\n if (node.importKind === \"type\" && moduleReference.type !==\n \"TSExternalModuleReference\") {\n this.raise(moduleReference.start, TSErrors.ImportAliasHasImportType);\n }\n\n node.moduleReference = moduleReference;\n this.semicolon();\n return this.finishNode(node,\n \"TSImportEqualsDeclaration\");\n }\n\n tsIsExternalModuleReference() {\n return this.isContextual(\"require\")\n && this.lookaheadCharCode() === 40;\n }\n\n tsParseModuleReference() {\n return\n this.tsIsExternalModuleReference()\n ? this.tsParseExternalModuleReference() : this.tsParseEntityName(false);\n }\n\n tsParseExternalModuleReference() {\n const node = this.startNode();\n this.expectContextual(\"require\");\n this.expect(types$1.parenL);\n\n if (!this.match(types$1.string)) {\n throw this.unexpected();\n }\n\n node.expression = this.parseExprAtom();\n this.expect(types$1.parenR);\n return this.finishNode(node,\n \"TSExternalModuleReference\");\n }\n\n tsLookAhead(f) {\n const state = this.state.clone();\n const res =\n f();\n this.state = state;\n return res;\n }\n\n tsTryParseAndCatch(f) {\n const result = this.tryParse(abort =>\n f() || abort());\n if (result.aborted || !result.node) return undefined;\n if (result.error) this.state = result.failState;\n return result.node;\n }\n\n tsTryParse(f) {\n const state = this.state.clone();\n const result = f();\n\n if (result\n !== undefined && result !== false) {\n return result;\n } else {\n this.state = state;\n return undefined;\n }\n }\n\n tsTryParseDeclare(nany) {\n if (this.isLineTerminator()) {\n return;\n }\n\n let starttype = this.state.type;\n let kind;\n\n if\n (this.isContextual(\"let\")) {\n starttype = types$1._var;\n kind = \"let\";\n }\n\n return\n this.tsInAmbientContext(() => {\n switch (starttype) {\n case types$1._function:\n nany.declare =\n true;\n return this.parseFunctionStatement(nany, false, true);\n\n case types$1._class:\n nany.declare\n = true;\n return this.parseClass(nany, true, false);\n\n case types$1._const:\n if\n (this.match(types$1._const) && this.isLookaheadContextual(\"enum\")) {\n this.expect(types$1._const);\n this.expectContextual(\"enum\");\n return this.tsParseEnumDeclaration(nany, true);\n }\n\n case\n types$1._var:\n kind = kind ||\n this.state.value;\n return this.parseVarStatement(nany, kind);\n\n case types$1.name:\n {\n const value = this.state.value;\n\n if (value === \"global\") {\n return\n this.tsParseAmbientExternalModuleDeclaration(nany);\n } else {\n return\n this.tsParseDeclaration(nany, value, true);\n }\n }\n\n }\n }\n });\n\n return this.tsTryParseExportDeclaration()\n {\n return this.tsParseDeclaration(this.startNode(), this.state.value, true);\n }\n\n }\n\n tsParseExpressionStatement(node, expr) {\n switch (expr.name) {\n case \"declare\":\n {\n const\n declaration = this.tsTryParseDeclare(node);\n\n if (declaration) {\n declaration.declare = true;\n return declaration;\n }\n\n break;\n }\n\n case \"global\":\n if (this.match(types$1.braceL))\n {\n this.scope.enter(SCOPE_TS_MODULE);\n this.prodParam.enter(PARAM);\n\n const mod = node;\n mod.global = true;\n mod.id = expr;\n mod.body =\n this.tsParseModuleBlock();\n this.scope.exit();\n this.prodParam.exit();\n return\n this.finishNode(mod, \"TSModuleDeclaration\");\n }\n\n break;\n\n default:\n return\n this.tsParseDeclaration(node, expr.name, false);\n }\n\n return this.tsParseDeclaration(node, value, next) {\n switch\n (value) {\n case \"abstract\":\n if (this.tsCheckLineTerminator(next) && (this.match(types$1._class) ||\n this.match(types$1.name))) {\n return this.tsParseAbstractDeclaration(node);\n }\n\n break;\n\n case\n \"enum\":\n if (next || this.match(types$1.name)) {\n if (next) this.next();\n return\n this.tsParseEnumDeclaration(node, false);\n }\n\n break;\n\n case\n \"interface\":\n if

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(this.tsCheckLineTerminator(next) && this.match(types$1.name)) {\n return
this.tsParseInterfaceDeclaration(node);\n }\n\n break;\n\n case \"module\":\n if
(this.tsCheckLineTerminator(next)) {\n if (this.match(types$1.string)) {\n return
this.tsParseAmbientExternalModuleDeclaration(node);\n } else if (this.match(types$1.name)) {\n return
this.tsParseModuleOrNamespaceDeclaration(node);\n }\n }\n\n break;\n\n case \"namespace\":\n if (this.tsCheckLineTerminator(next) && this.match(types$1.name)) {\n return
this.tsParseModuleOrNamespaceDeclaration(node);\n }\n\n break;\n\n case \"type\":\n if
(this.tsCheckLineTerminator(next) && this.match(types$1.name)) {\n return
this.tsParseTypeAliasDeclaration(node);\n }\n\n break;\n }\n\n tsCheckLineTerminator(next) {\n if
(next) {\n if (this.hasFollowingLineBreak()) return false;\n this.next();\n return true;\n }\n\n return
!this.isLineTerminator();\n }\n\n tsTryParseGenericAsyncArrowFunction(startPos, startLoc) {\n if (!this.isRelational("<")) {\n return
undefined;\n }\n\n const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n this.state.maybeInArrowParameters = true;\n const res = this.tsTryParseAndCatch(() => {\n const node =
this.startNodeAt(startPos, startLoc);\n node.typeParameters = this.tsParseTypeParameters();\n super.parseFunctionParams(node);\n node.returnType = this.tsTryParseTypeOrTypePredicateAnnotation();\n this.expect(types$1.arrow);\n return node;\n });\n this.state.maybeInArrowParameters =
oldMaybeInArrowParameters;\n\n if (!res) {\n return undefined;\n }\n\n return
this.parseArrowExpression(res, null, true);\n }\n\n tsParseTypeArguments() {\n const node = this.startNode();\n node.params = this.tsInType(() => this.tsInNoContext(() => {\n this.expectRelational("<");\n return
this.tsParseDelimitedList(\"TypeParametersOrArguments\",
this.tsParseType.bind(this));\n }));\n\n if (node.params.length === 0) {\n this.raise(node.start,
TSErrors.EmptyTypeArguments);\n }\n\n this.state.exprAllowed = false;\n this.expectRelational(">");\n return this.finishNode(node, \"TSTypeParameterInstantiation\");\n }\n\n tsIsDeclarationStart() {\n if
(this.match(types$1.name)) {\n switch (this.state.value) {\n case \"abstract\":\n case \"declare\":\n case \"enum\":\n case \"interface\":\n case \"module\":\n case \"namespace\":\n case \"type\":\n return true;\n }\n }\n\n return false;\n }\n\n isExportDefaultSpecifier() {\n if (this.tsIsDeclarationStart())
return false;\n return super.isExportDefaultSpecifier();\n }\n\n parseAssignableListItem(allowModifiers,
decorators) {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n let accessibility;\n let readonly = false;\n\n if (allowModifiers !== undefined) {\n accessibility = this.parseAccessModifier();\n readonly = !!this.tsParseModifier([\"readonly\"]);\n\n if (allowModifiers === false && (accessibility ||
readonly)) {\n this.raise(startPos, TSErrors.UnexpectedParameterModifier);\n }\n }\n\n const left =
this.parseMaybeDefault();\n this.parseAssignableListItemTypes(left);\n const elt =
this.parseMaybeDefault(left.start, left.loc.start, left);\n\n if (accessibility || readonly) {\n const pp =
this.startNodeAt(startPos, startLoc);\n\n if (decorators.length) {\n pp.decorators = decorators;\n }\n\n if (accessibility) pp.accessibility = accessibility;\n if (readonly) pp.readonly = readonly;\n\n if (elt.type !==
\"Identifier\" && elt.type !== \"AssignmentPattern\") {\n this.raise(pp.start,
TSErrors.UnsupportedParameterPropertyKind);\n }\n\n pp.parameter = elt;\n return this.finishNode(pp,
\"TSParameterProperty\");\n }\n\n if (decorators.length) {\n left.decorators = decorators;\n }\n\n return
elt;\n }\n\n parseFunctionBodyAndFinish(node, type, isMethod = false) {\n if (this.match(types$1.colon)) {\n node.returnType = this.tsParseTypeOrTypePredicateAnnotation(types$1.colon);\n }\n\n const bodilessType =
type === \"FunctionDeclaration\" ? \"TSDeclareFunction\" : type === \"ClassMethod\" ? \"TSDeclareMethod\" :
undefined;\n\n if (bodilessType && !this.match(types$1.braceL) && this.isLineTerminator()) {\n this.finishNode(node, bodilessType);\n return;\n }\n\n if (bodilessType === \"TSDeclareFunction\" &&
this.state.isAmbientContext) {\n this.raise(node.start, TSErrors.DeclareFunctionHasImplementation);\n }\n\n if
(node.declare) {\n super.parseFunctionBodyAndFinish(node, bodilessType, isMethod);\n return;\n }\n\n }\n\n super.parseFunctionBodyAndFinish(node, type, isMethod);\n }\n\n }

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registerFunctionStatementId(node) {\n if (!node.body && node.id) {\n this.checkLVal(node.id, \"function\nname\", BIND_TS_AMBIENT);\n } else {\n super.registerFunctionStatementId(...arguments);\n }\n}\n\n\ntsCheckForInvalidTypeCasts(items) {\n items.forEach(node => {\n if ((node == null ? void 0 : node.type) ===\n\"TSTypeCastExpression\") {\n this.raise(node.typeAnnotation.start, TSErrors.UnexpectedTypeAnnotation);\n }\n });\n}\n\n\ntoReferencedList(exprList, isInParens) {\n this.tsCheckForInvalidTypeCasts(exprList);\n return exprList;\n}\n\n\nparseArrayLike(...args) {\n const node = super.parseArrayLike(...args);\n\n if\n(node.type === \"ArrayExpression\") {\n this.tsCheckForInvalidTypeCasts(node.elements);\n }\n\n return\nnode;\n}\n\n\nparseSubscript(base, startPos, startLoc, noCalls, state) {\n if (!this.hasPrecedingLineBreak() &&\nthis.match(types$1.bang)) {\n this.state.exprAllowed = false;\n this.next();\n\n const nonNullExpression = this.startNodeAt(startPos, startLoc);\n nonNullExpression.expression = base;\n return this.finishNode(nonNullExpression, \"TSNonNullExpression\");\n }\n\n if (this.isRelational(\"<\")) {\n const result = this.tsTryParseAndCatch(() => {\n if (!noCalls && this.atPossibleAsyncArrow(base)) {\n const asyncArrowFn = this.tsTryParseGenericAsyncArrowFunction(startPos, startLoc);\n\n if (asyncArrowFn)\n {\n return asyncArrowFn;\n }\n\n const node = this.startNodeAt(startPos, startLoc);\n node.callee = base;\n const typeArguments = this.tsParseTypeArguments();\n\n if (typeArguments) {\n if (!noCalls && this.eat(types$1.parenL)) {\n node.arguments =\nthis.parseCallExpressionArguments(types$1.parenR, false);\n\n this.tsCheckForInvalidTypeCasts(node.arguments);\n\n node.typeParameters = typeArguments;\n\n if\n(state.optionalChainMember)\n {\n node.optional = false;\n }\n\n return this.finishCallExpression(node,\nstate.optionalChainMember);\n } else if (this.match(types$1.backQuote)) {\n const result =\nthis.parseTaggedTemplateExpression(base, startPos, startLoc, state);\n\n result.typeParameters =\ntypeArguments;\n\n return result;\n }\n }\n\n this.unexpected();\n });\n\n if (result) return\nresult;\n }\n\n return super.parseSubscript(base, startPos, startLoc, noCalls, state);\n }\n}\n\n\nparseNewArguments(node) {\n if (this.isRelational(\"<\")) {\n const typeParameters =\nthis.tsTryParseAndCatch(() => {\n const args = this.tsParseTypeArguments();\n\n if\n(!this.match(types$1.parenL)) this.unexpected();\n return args;\n });\n\n if (typeParameters) {\n node.typeParameters = typeParameters;\n }\n }\n\n super.parseNewArguments(node);\n}\n\n\n\nparseExprOp(left, leftStartPos, leftStartLoc, minPrec) {\n if (nonNull(types$1._in.binop) > minPrec &&\n!this.hasPrecedingLineBreak() && this.isContextual(\"as\")) {\n const node = this.startNodeAt(leftStartPos,\nleftStartLoc);\n node.expression = left;\n\n const _const = this.tsTryNextParseConstantContext();\n\n if\n(_const) {\n node.typeAnnotation = _const;\n } else {\n node.typeAnnotation =\nthis.tsNextThenParseType();\n }\n\n this.finishNode(node, \"TSAsExpression\");\n this.reScan_lt_gt();\n\n return this.parseExprOp(node, leftStartPos, leftStartLoc, minPrec);\n }\n\n return super.parseExprOp(left,\nleftStartPos, leftStartLoc, minPrec);\n}\n\n\ncheckReservedWord(word, startLoc, checkKeywords, isBinding)\n{}\n\n\ncheckDuplicateExports()\n{}\n\n\nparseImport(node) {\n node.importKind = \"value\";\n\n if\n(this.match(types$1.name) || this.match(types$1.star) || this.match(types$1.braceL)) {\n let ahead =\nthis.lookahead();\n\n if (this.isContextual(\"type\") && ahead.type !== types$1.comma && !(ahead.type === types$1.name &&\nahead.value === \"from\") && ahead.type !== types$1.eq) {\n node.importKind = \"type\";\n this.next();\n\n ahead = this.lookahead();\n\n if (this.match(types$1.name) && ahead.type === types$1.eq) {\n return this.tsParseImportEqualsDeclaration(node);\n }\n }\n\n const importNode =\nsuper.parseImport(node);\n\n if (importNode.importKind === \"type\" && importNode.specifiers.length > 1 &&\nimportNode.specifiers[0].type === \"ImportDefaultSpecifier\") {\n this.raise(importNode.start,\nTSErrors.TypeImportCannotSpecifyDefaultAndNamed);\n }\n\n return importNode;\n }\n\n parseExport(node)\n{\n if (this.match(types$1._import)) {\n this.next();\n\n if (this.isContextual(\"type\") &&\nthis.lookaheadCharCode() !== 61) {\n node.importKind = \"type\";\n this.next();\n } else {\n node.importKind

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= \"value\";\n }\n\n return this.tsParseImportEqualsDeclaration(node, true);\n } else if (this.eat(types$1.eq))\n {\n const assign = node;\n assign.expression = this.parseExpression();\n this.semicolon();\n return\n this.finishNode(assign, \"TSExportAssignment\");\n } else if (this.eatContextual(\"as\")) {\n const decl =\n node;\n this.expectContextual(\"namespace\");\n decl.id = this.parseIdentifier();\n this.semicolon();\n return this.finishNode(decl, \"TSNamespaceExportDeclaration\");\n } else {\n if (this.isContextual(\"type\")\n && this.lookahead().type === types$1.braceL) {\n this.next();\n node.exportKind = \"type\";\n } else\n {\n node.exportKind = \"value\";\n }\n\n return super.parseExport(node);\n }\n}\n\nisAbstractClass()\n{\n return this.isContextual(\"abstract\") && this.lookahead().type === types$1._class;\n}\n\nparseExportDefaultExpression() {\n if\n (this.isAbstractClass()) {\n const cls = this.startNode();\n this.next();\n cls.abstract = true;\n this.parseClass(cls, true, true);\n return cls;\n }\n\n if (this.state.value === \"interface\") {\n const result =\n this.tsParseDeclaration(this.startNode(), this.state.value, true);\n if (result) return result;\n }\n\n return\n super.parseExportDefaultExpression();\n}\n\nparseStatementContent(context, topLevel) {\n if (this.state.type\n === types$1._const) {\n const ahead = this.lookahead();\n\n if (ahead.type === types$1.name &&\n ahead.value === \"enum\") {\n const node = this.startNode();\n this.expect(types$1._const);\n this.expectContextual(\"enum\");\n return this.tsParseEnumDeclaration(node, true);\n }\n }\n\n return\n super.parseStatementContent(context, topLevel);\n}\n\nparseAccessModifier() {\n return\n this.tsParseModifier([\"public\", \"protected\", \"private\"]);\n}\n\ntsHasSomeModifiers(member,\nmodifiers) {\n return modifiers.some(modifier => {\n if (tsIsAccessModifier(modifier)) {\n return\n member.accessibility === modifier;\n }\n\n return !!member[modifier];\n });\n}\n\nparseClassMember(classBody, member, state) {\n const invalidModifiersForStaticBlocks = [\"declare\", \"private\", \"public\", \"protected\", \"override\", \"abstract\", \"readonly\"];\n this.tsParseModifiers(member,\ninvalidModifiersForStaticBlocks.concat([\"static\"]));\n\n const callParseClassMemberWithIsStatic = () => {\n const isStatic = !!member.static;\n\n if (isStatic && this.eat(types$1.braceL)) {\n if\n (this.tsHasSomeModifiers(member, invalidModifiersForStaticBlocks)) {\n this.raise(this.state.pos,\n TSErrors.StaticBlockCannotHaveModifier);\n }\n\n this.parseClassStaticBlock(classBody, member);\n } else {\n this.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n }\n }\n\n if (member.declare) {\n this.tsInAmbientContext(callParseClassMemberWithIsStatic);\n } else {\n callParseClassMemberWithIsStatic();\n }\n\n parseClassMemberWithIsStatic(classBody, member, state,\nisStatic) {\n const idx = this.tsTryParseIndexSignature(member);\n\n if (idx) {\n classBody.body.push(idx);\n\n if (member.abstract) {\n this.raise(member.start,\n TSErrors.IndexSignatureHasAbstract);\n }\n\n if (member.accessibility) {\n this.raise(member.start,\n TSErrors.IndexSignatureHasAccessibility, member.accessibility);\n }\n\n if (member.declare) {\n this.raise(member.start, TSErrors.IndexSignatureHasDeclare);\n }\n\n if (member.override) {\n this.raise(member.start, TSErrors.IndexSignatureHasOverride);\n }\n\n return;\n }\n\n if\n (!this.state.inAbstractClass && member.abstract) {\n this.raise(member.start,\n TSErrors.NonAbstractClassHasAbstractMethod);\n }\n\n if\n (member.override) {\n if (!state.hadSuperClass) {\n this.raise(member.start,\n TSErrors.OverrideNotInSubClass);\n }\n }\n\n super.parseClassMemberWithIsStatic(classBody, member,\nstate, isStatic);\n }\n\n parsePostMemberNameModifiers(methodOrProp) {\n const optional =\n this.eat(types$1.question);\n\n if (optional) methodOrProp.optional = true;\n\n if (methodOrProp.readonly &&\n this.match(types$1.parenL)) {\n this.raise(methodOrProp.start, TSErrors.ClassMethodHasReadonly);\n }\n\n if (methodOrProp.declare && this.match(types$1.parenL)) {\n this.raise(methodOrProp.start,\n TSErrors.ClassMethodHasDeclare);\n }\n }\n\n parseExpressionStatement(node, expr) {\n const decl =\n expr.type === \"Identifier\" ? this.tsParseExpressionStatement(node, expr) : undefined;\n\n return decl ||\n super.parseExpressionStatement(node, expr);\n }\n\n shouldParseExportDeclaration() {\n if\n (this.tsIsDeclarationStart()) return true;\n\n return super.shouldParseExportDeclaration();\n }\n}

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 }\n\n parseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n if (!refNeedsArrowPos ||
!this.match(types$1.question)) {\n return super.parseConditional(expr, startPos, startLoc, refNeedsArrowPos);\n
}\n\n const result = this.tryParse(() => super.parseConditional(expr, startPos, startLoc));\n\n if (!result.node) {\n
 refNeedsArrowPos.start = result.error.pos || this.state.start;\n return expr;\n }\n\n if (result.error) this.state =
result.failState;\n return result.node;\n }\n\n parseParenItem(node, startPos, startLoc) {\n node =
super.parseParenItem(node, startPos, startLoc);\n\n if (this.eat(types$1.question)) {\n node.optional = true;\n
this.resetEndLocation(node);\n }\n\n if (this.match(types$1.colon)) {\n const typeCastNode =
this.startNodeAt(startPos, startLoc);\n typeCastNode.expression = node;\n typeCastNode.typeAnnotation =
this.tsParseTypeAnnotation();\n return this.finishNode(typeCastNode,
`"TSTypeCastExpression"`);\n }\n\n return node;\n }\n\n parseExportDeclaration(node) {\n const startPos =
this.state.start;\n const startLoc = this.state.startLoc;\n const isDeclare = this.eatContextual(`declare`);\n\n if
(isDeclare && (this.isContextual(`declare`) || !this.shouldParseExportDeclaration())) {\n throw
this.raise(this.state.start, TErrors.ExpectedAmbientAfterExportDeclare);\n }\n\n let declaration;\n\n if
(this.match(types$1.name)) {\n declaration = this.tsTryParseExportDeclaration();\n }\n\n if (!declaration) {\n
 declaration = super.parseExportDeclaration(node);\n }\n\n if (declaration && (declaration.type ===
`TSInterfaceDeclaration` || declaration.type === `TSTypeAliasDeclaration` || isDeclare)) {\n node.exportKind
= `type`;\n }\n\n if (declaration && isDeclare) {\n this.resetStartLocation(declaration, startPos, startLoc);\n
 declaration.declare = true;\n
 }\n\n return declaration;\n }\n\n parseClassId(node, isStatement, optionalId) {\n if ((!isStatement ||
optionalId) && this.isContextual(`implements`)) {\n return;\n }\n\n super.parseClassId(node, isStatement,
optionalId, node.declare ? BIND_TS_AMBIENT : BIND_CLASS);\n const typeParameters =
this.tsTryParseTypeParameters();\n if (typeParameters) node.typeParameters = typeParameters;\n }\n\n
parseClassPropertyAnnotation(node) {\n if (!node.optional && this.eat(types$1.bang)) {\n node.definite =
true;\n }\n\n const type = this.tsTryParseTypeAnnotation();\n if (type) node.typeAnnotation = type;\n }\n\n
parseClassProperty(node) {\n this.parseClassPropertyAnnotation(node);\n\n if (this.state.isAmbientContext &&
this.match(types$1.eq)) {\n this.raise(this.state.start, TErrors.DeclareClassFieldHasInitializer);\n }\n\n
return super.parseClassProperty(node);\n }\n\n parseClassPrivateProperty(node) {\n if (node.abstract) {\n
 this.raise(node.start, TErrors.PrivateElementHasAbstract);\n }\n\n if (node.accessibility) {\n
 this.raise(node.start, TErrors.PrivateElementHasAccessibility, node.accessibility);\n }\n\n
this.parseClassPropertyAnnotation(node);\n return super.parseClassPrivateProperty(node);\n }\n\n
pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n const
typeParameters = this.tsTryParseTypeParameters();\n\n if (typeParameters && isConstructor) {\n
 this.raise(typeParameters.start, TErrors.ConstructorHasTypeParameters);\n }\n\n if (method.declare &&
(method.kind === `get` || method.kind === `set`)) {\n this.raise(method.start, TErrors.DeclareAccessor,
method.kind);\n }\n\n if (typeParameters) method.typeParameters = typeParameters;\n
super.pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper);\n }\n\n
pushClassPrivateMethod(classBody, method, isGenerator,
isAsync) {\n const typeParameters = this.tsTryParseTypeParameters();\n if (typeParameters)
method.typeParameters = typeParameters;\n super.pushClassPrivateMethod(classBody, method, isGenerator,
isAsync);\n }\n\n parseClassSuper(node) {\n super.parseClassSuper(node);\n\n if (node.superClass &&
this.isRelational(`<`)) {\n node.superTypeParameters = this.tsParseTypeArguments();\n }\n\n if
(this.eatContextual(`implements`)) {\n node.implements = this.tsParseHeritageClause(`implements`);\n }\n
}\n\n parseObjPropValue(prop, ...args) {\n const typeParameters = this.tsTryParseTypeParameters();\n if
(typeParameters) prop.typeParameters = typeParameters;\n super.parseObjPropValue(prop, ...args);\n }\n\n
parseFunctionParams(node, allowModifiers) {\n const typeParameters = this.tsTryParseTypeParameters();\n if
(typeParameters) node.typeParameters = typeParameters;\n super.parseFunctionParams(node, allowModifiers);\n
}\n\n parseVarId(decl,

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kind) {\n super.parseVarId(decl, kind);\n\n if (decl.id.type === \"Identifier\" && this.eat(types$1.bang)) {\n decl.definite = true;\n }\n\n const type = this.tsTryParseTypeAnnotation();\n\n if (type) {\n decl.id.typeAnnotation = type;\n this.resetEndLocation(decl.id);\n }\n}\n\nparseAsyncArrowFromCallExpression(node, call) {\n if (this.match(types$1.colon)) {\n node.returnType = this.tsParseTypeAnnotation();\n }\n\n return super.parseAsyncArrowFromCallExpression(node, call);\n}\n\nparseMaybeAssign(...args) {\n var _jsx, _jsx2, _typeCast, _jsx3, _typeCast2, _jsx4, _typeCast3;\n\n let state;\n let jsx;\n let typeCast;\n\n if (this.hasPlugin(\"jsx\") && (this.match(types$1.jsxTagStart) || this.isRelational(\"<\"))) {\n state = this.state.clone();\n jsx = this.tryParse() => super.parseMaybeAssign(...args), state);\n if (!jsx.error) return jsx.node;\n const {\n context\n } = this.state;\n\n if (context[context.length - 1] === types.j_oTag) {\n context.length -= 2;\n } else if (context[context.length - 1] === types.j_expr) {\n context.length -= 1;\n }\n\n if (!((_jsx = jsx) != null && _jsx.error) && !this.isRelational(\"<\")) {\n return super.parseMaybeAssign(...args);\n }\n\n let typeParameters;\n state = state || this.state.clone();\n const arrow = this.tryParse(abort => {\n var _expr$extra, _typeParameters;\n\n typeParameters = this.tsParseTypeParameters();\n const expr = super.parseMaybeAssign(...args);\n\n if (expr.type !== \"ArrowFunctionExpression\" || (_expr$extra = expr.extra) != null && _expr$extra.parenthesized) {\n abort();\n }\n\n if (((_typeParameters = typeParameters) == null ? void 0 : _typeParameters.params.length) !== 0) {\n this.resetStartLocationFromNode(expr, typeParameters);\n }\n\n expr.typeParameters = typeParameters;\n return expr;\n }, state);\n if (!arrow.error && !arrow.aborted) return arrow.node;\n\n if (!jsx) {\n assert(!this.hasPlugin(\"jsx\"));\n typeCast = this.tryParse() => super.parseMaybeAssign(...args), state);\n if (!typeCast.error) return typeCast.node;\n }\n\n if ((_jsx2 = jsx) != null && _jsx2.node) {\n this.state = jsx.failState;\n return jsx.node;\n }\n\n if (arrow.node) {\n this.state = arrow.failState;\n return arrow.node;\n }\n\n if ((_typeCast = typeCast) != null && _typeCast.node) {\n this.state = typeCast.failState;\n return typeCast.node;\n }\n\n if ((_jsx3 = jsx) != null && _jsx3.thrown) throw jsx.error;\n if (arrow.thrown) throw arrow.error;\n if ((_typeCast2 = typeCast) != null && _typeCast2.thrown) throw typeCast.error;\n throw ((_jsx4 = jsx) == null ? void 0 : _jsx4.error) || arrow.error || ((_typeCast3 = typeCast) == null ? void 0 : _typeCast3.error);\n }\n\n parseMaybeUnary(refExpressionErrors) {\n if (!this.hasPlugin(\"jsx\") && this.isRelational(\"<\")) {\n return this.tsParseTypeAssertion();\n } else {\n return super.parseMaybeUnary(refExpressionErrors);\n }\n }\n\n parseArrow(node) {\n if (this.match(types$1.colon)) {\n const result = this.tryParse(abort => {\n const returnType = this.tsParseTypeOrTypePredicateAnnotation(types$1.colon);\n if (this.canInsertSemicolon() || !this.match(types$1.arrow)) abort();\n return returnType;\n });\n if (result.aborted) return;\n if (!result.thrown) {\n if (result.error) this.state = result.failState;\n node.returnType = result.node;\n }\n }\n\n return super.parseArrow(node);\n }\n\n parseAssignableListItemTypes(param) {\n if (this.eat(types$1.question)) {\n if (param.type !== \"Identifier\" && !this.state.isAmbientContext && !this.state.inType) {\n this.raise(param.start, TSErrors.PatternIsOptional);\n }\n\n param.optional = true;\n }\n\n const type = this.tsTryParseTypeAnnotation();\n if (type) param.typeAnnotation = type;\n this.resetEndLocation(param);\n return param;\n }\n\n toAssignable(node, isLHS = false) {\n switch (node.type) {\n case \"TSTypeCastExpression\":\n return super.toAssignable(this.typeCastToParameter(node), isLHS);\n case \"TSParameterProperty\":\n return super.toAssignable(node, isLHS);\n case \"ParenthesizedExpression\":\n return this.toAssignableParenthesizedExpression(node, isLHS);\n case \"TSAsExpression\":\n case \"TSNonNullExpression\":\n case \"TSTypeAssertion\":\n node.expression = this.toAssignable(node.expression, isLHS);\n return node;\n default:\n return super.toAssignable(node, isLHS);\n }\n }\n\n toAssignableParenthesizedExpression(node, isLHS) {\n switch (node.expression.type) {\n case \"TSAsExpression\":\n case \"TSNonNullExpression\":\n }

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 case \"TSTypeAssertion\":\n case \"ParenthesizedExpression\":\n node.expression =
this.toAssignable(node.expression, isLHS);\n return node;\n\n default:\n return super.toAssignable(node,
isLHS);\n }\n }\n\n checkLVal(expr, contextDescription, ...args) {\n var _expr$extra2;\n\n switch (expr.type)
{\n case \"TSTypeCastExpression\":\n return;\n\n case \"TSParameterProperty\":\n this.checkLVal(expr.parameter, \"parameter property\", ...args);\n return;\n\n case \"TSAsExpression\":\n case \"TSTypeAssertion\":\n if (!args[0] && contextDescription !== \"parenthesized expression\" &&
!((_expr$extra2 = expr.extra) != null && _expr$extra2.parenthesized)) {\n this.raise(expr.start,
ErrorMessages.InvalidLhs, contextDescription);\n break;\n }\n\n this.checkLVal(expr.expression,
\"parenthesized expression\", ...args);\n return;\n\n case \"TSNonNullExpression\":\n this.checkLVal(expr.expression, contextDescription, ...args);\n return;\n\n default:\n super.checkLVal(expr, contextDescription, ...args);\n return;\n }\n }\n\n parseBindingAtom() {\n switch
(this.state.type) {\n case types$1._this:\n return this.parseIdentifier(true);\n\n default:\n return
super.parseBindingAtom();\n }\n }\n\n parseMaybeDecoratorArguments(expr) {\n if (this.isRelational(\"<\"))
{\n const typeArguments = this.tsParseTypeArguments();\n\n if (this.match(types$1.parenL)) {\n const
call = super.parseMaybeDecoratorArguments(expr);\n call.typeParameters = typeArguments;\n return
call;\n }\n\n this.unexpected(this.state.start, types$1.parenL);\n }\n\n return
super.parseMaybeDecoratorArguments(expr);\n }\n\n checkCommaAfterRest(close) {\n if
(this.state.isAmbientContext && this.match(types$1.comma) && this.lookaheadCharCode() === close) {\n this.next();\n } else {\n super.checkCommaAfterRest(close);\n }\n }\n\n isClassMethod() {\n return
this.isRelational(\"<\") || super.isClassMethod();\n }\n\n isClassProperty() {\n return this.match(types$1.bang) ||
this.match(types$1.colon) || super.isClassProperty();\n }\n\n parseMaybeDefault(...args) {\n const node =
super.parseMaybeDefault(...args);\n\n if (node.type === \"AssignmentPattern\" && node.typeAnnotation &&
node.right.start < node.typeAnnotation.start) {\n this.raise(node.typeAnnotation.start,
TSErrors.TypeAnnotationAfterAssign);\n }\n\n return node;\n }\n\n getTokenFromCode(code) {\n if
(this.state.inType && (code === 62 || code === 60)) {\n return this.finishOp(types$1.relational, 1);\n } else {\n return
super.getTokenFromCode(code);\n }\n }\n\n reScan_lt_gt() {\n if (this.match(types$1.relational)) {\n const code = this.input.charCodeAtAt(this.state.start);\n\n if (code === 60 || code === 62) {\n this.state.pos -= 1;\n this.readToken_lt_gt(code);\n }\n }\n }\n\n toAssignableList(exprList) {\n for
(let i = 0; i < exprList.length; i++) {\n const expr = exprList[i];\n if (!expr) continue;\n\n switch (expr.type)
{\n case \"TSTypeCastExpression\":\n exprList[i] = this.typeCastToParameter(expr);\n break;\n\n case \"TSAsExpression\":\n case \"TSTypeAssertion\":\n if (!this.state.maybeInArrowParameters) {\n exprList[i] = this.typeCastToParameter(expr);\n } else {\n this.raise(expr.start,
TSErrors.UnexpectedTypeCastInParameter);\n }\n break;\n }\n }\n\n return
super.toAssignableList(...arguments);\n }\n\n typeCastToParameter(node) {\n node.expression.typeAnnotation =
node.typeAnnotation;\n this.resetEndLocation(node.expression, node.typeAnnotation.end,
node.typeAnnotation.loc.end);\n return node.expression;\n }\n\n shouldParseArrow()
{\n return this.match(types$1.colon) || super.shouldParseArrow();\n }\n\n shouldParseAsyncArrow() {\n return
this.match(types$1.colon) || super.shouldParseAsyncArrow();\n }\n\n canHaveLeadingDecorator() {\n return
super.canHaveLeadingDecorator() || this.isAbstractClass();\n }\n\n jsxParseOpeningElementAfterName(node) {\n if (this.isRelational(\"<\")) {\n const typeArguments = this.tsTryParseAndCatch(() =>
this.tsParseTypeArguments());\n if (typeArguments) node.typeParameters = typeArguments;\n }\n\n return
super.jsxParseOpeningElementAfterName(node);\n }\n\n getGetterSetterExpectedParamCount(method) {\n const
baseCount = super.getGetterSetterExpectedParamCount(method);\n const params =
this.getObjectOrClassMethodParams(method);\n const firstParam = params[0];\n const hasContextParam =
firstParam && this.isThisParam(firstParam);\n return hasContextParam ? baseCount + 1 : baseCount;\n }\n\n parseCatchClauseParam() {\n const
param = super.parseCatchClauseParam();\n const type = this.tsTryParseTypeAnnotation();\n\n if (type) {\n param.typeAnnotation = type;\n this.resetEndLocation(param);\n }\n\n return param;\n }\n}

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tsInAmbientContext(cb) {\n const oldIsAmbientContext = this.state.isAmbientContext;\n
this.state.isAmbientContext = true;\n\n try {\n return cb();\n } finally {\n this.state.isAmbientContext =
oldIsAmbientContext;\n }\n}\n\n parseClass(node, ...args) {\n const oldInAbstractClass =
this.state.inAbstractClass;\n this.state.inAbstractClass = !!node.abstract;\n\n try {\n return
super.parseClass(node, ...args);\n } finally {\n this.state.inAbstractClass = oldInAbstractClass;\n }\n}\n\n
tsParseAbstractDeclaration(node) {\n if (this.match(types$1._class)) {\n node.abstract = true;\n return
this.parseClass(node, true, false);\n } else if (this.isContextual("interface")) {\n if
(!this.hasFollowingLineBreak())
{\n node.abstract = true;\n this.raise(node.start, TErrors.NonClassMethodPropertyHasAbstractModifer);\n
 this.next();\n return this.tsParseInterfaceDeclaration(node);\n }\n} else {\n this.unexpected(null,
types$1._class);\n}\n}\n\n parseMethod(...args) {\n const method = super.parseMethod(...args);\n\n if
(method.abstract) {\n const hasBody = this.hasPlugin("estree") ? !!method.value.body : !!method.body;\n\n
if (hasBody) {\n const {\n key\n } = method;\n this.raise(method.start,
TErrors.AbstractMethodHasImplementation, key.type === "Identifier" ? key.name : `[$${this.input.slice(key.start,
key.end)}]`);\n }\n}\n\n return method;\n}\n\n shouldParseAsAmbientContext() {\n return
!!this.getPluginOption("typescript", "dts");\n}\n\n parse() {\n if (this.shouldParseAsAmbientContext()) {\n
this.state.isAmbientContext = true;\n}\n\n return super.parse();\n}\n\n getExpression() {\n if (this.shouldParseAsAmbientContext()) {\n this.state.isAmbientContext = true;\n
}\n\n return super.getExpression();\n}\n\n}\n\n types$1.placeholder = new TokenType("%%", {\n startsExpr:
true\n});\n\n const PlaceholderErrors = makeErrorTemplates({\n ClassNameIsRequired: "A class name is
required.\n", ErrorCodes.SyntaxError\n});\n\n const placeholders = (superClass => class extends superClass {\n
 parsePlaceholder(expectedNode) {\n if (this.match(types$1.placeholder)) {\n const node = this.startNode();\n
 this.next();\n this.assertNoSpace("Unexpected space in placeholder.");\n node.name =
super.parseIdentifier(true);\n this.assertNoSpace("Unexpected space in placeholder.");\n
 this.expect(types$1.placeholder);\n return this.finishPlaceholder(node, expectedNode);\n }\n }\n\n
 finishPlaceholder(node, expectedNode) {\n const isFinished = !(node.expectedNode && node.type ===
"Placeholder");\n
 node.expectedNode = expectedNode;\n return isFinished ? node : this.finishNode(node, "Placeholder");\n
 }\n\n getTokenFromCode(code) {\n if (code === 37 && this.input.charCodeAt(this.state.pos + 1) === 37) {\n
 return this.finishOp(types$1.placeholder, 2);\n }\n\n return super.getTokenFromCode(...arguments);\n }\n\n
 parseExprAtom() {\n return this.parsePlaceholder("Expression") || super.parseExprAtom(...arguments);\n }\n\n
 parseIdentifier() {\n return this.parsePlaceholder("Identifier") || super.parseIdentifier(...arguments);\n }\n\n
 checkReservedWord(word) {\n if (word !== undefined) super.checkReservedWord(...arguments);\n }\n\n
 parseBindingAtom() {\n return this.parsePlaceholder("Pattern") || super.parseBindingAtom(...arguments);\n }\n\n
 checkLVal(expr) {\n if (expr.type !== "Placeholder") super.checkLVal(...arguments);\n }\n\n
 toAssignable(node) {\n if (node && node.type === "Placeholder" && node.expectedNode === "Expression")
{\n node.expectedNode = "Pattern";\n return node;\n }\n\n return super.toAssignable(...arguments);\n
 }\n\n isLet(context) {\n if (super.isLet(context)) {\n return true;\n }\n\n if (!this.isContextual("let")) {\n
 return false;\n }\n\n if (context) return false;\n const nextToken = this.lookahead();\n\n if (nextToken.type
=== types$1.placeholder) {\n return true;\n }\n\n return false;\n }\n\n verifyBreakContinue(node) {\n if
(node.label && node.label.type === "Placeholder") return;\n super.verifyBreakContinue(...arguments);\n }\n\n
 parseExpressionStatement(node, expr) {\n if (expr.type !== "Placeholder" || expr.extra &&
expr.extra.parenthesized) {\n return super.parseExpressionStatement(...arguments);\n }\n\n if
(this.match(types$1.colon)) {\n const stmt = node;\n stmt.label = this.finishPlaceholder(expr, "Identifier");\n
 this.next();\n stmt.body = this.parseStatement("label");\n
 return this.finishNode(stmt, "LabeledStatement");\n }\n\n this.semicolon();\n node.name = expr.name;\n
 return this.finishPlaceholder(node, "Statement");\n }\n\n parseBlock() {\n return
this.parsePlaceholder("BlockStatement") || super.parseBlock(...arguments);\n }\n\n parseFunctionId() {\n return

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this.parsePlaceholder("\Identifier") || super.parseFunctionId(...arguments);\n }\n\n parseClass(node, isStatement,
optionalId) {\n const type = isStatement ? "ClassDeclaration" : "ClassExpression";\n this.next();\n this.takeDecorators(node);\n const oldStrict = this.state.strict;\n const placeholder =
this.parsePlaceholder("\Identifier");\n\n if (placeholder) {\n if (this.match(types$1._extends) ||
this.match(types$1.placeholder) || this.match(types$1.braceL)) {\n node.id = placeholder;\n } else if
(optionalId || !isStatement) {\n node.id = null;\n node.body = this.finishPlaceholder(placeholder,
"ClassBody");\n return this.finishNode(node, type);\n } else {\n this.unexpected(null,
PlaceholderErrors.ClassNameIsRequired);\n }\n } else {\n this.parseClassId(node, isStatement,
optionalId);\n }\n\n this.parseClassSuper(node);\n node.body = this.parsePlaceholder("ClassBody") ||
this.parseClassBody(!node.superClass, oldStrict);\n return this.finishNode(node, type);\n }\n\n
parseExport(node) {\n const placeholder = this.parsePlaceholder("\Identifier");\n if (!placeholder) return
super.parseExport(...arguments);\n\n if (!this.isContextual("from") && !this.match(types$1.comma)) {\n
node.specifiers = [];\n node.source = null;\n node.declaration = this.finishPlaceholder(placeholder,
"Declaration");\n return this.finishNode(node, "ExportNamedDeclaration");\n }\n\n
this.expectPlugin("exportDefaultFrom");\n const specifier = this.startNode();\n specifier.exported =
placeholder;\n
 node.specifiers = [this.finishNode(specifier, "ExportDefaultSpecifier");\n return super.parseExport(node);\n
}\n\n
isExportDefaultSpecifier() {\n if (this.match(types$1._default)) {\n const next =
this.nextTokenStart();\n\n if (this.isUnparsedContextual(next, "from")) {\n if
(this.input.startsWith(types$1.placeholder.label, this.nextTokenStartSince(next + 4))) {\n return true;\n }\n
 }\n\n return super.isExportDefaultSpecifier();\n }\n\n maybeParseExportDefaultSpecifier(node) {\n if
(node.specifiers && node.specifiers.length > 0) {\n return true;\n }\n\n return
super.maybeParseExportDefaultSpecifier(...arguments);\n }\n\n
checkExport(node) {\n const {\n specifiers\n } = node;\n\n if (specifiers != null && specifiers.length) {\n node.specifiers = specifiers.filter(node =>
node.exported.type === "Placeholder");\n }\n\n super.checkExport(node);\n node.specifiers = specifiers;\n
}\n\n
parseImport(node) {\n const placeholder = this.parsePlaceholder("\Identifier");\n if (!placeholder) return
super.parseImport(...arguments);\n node.specifiers = [];\n\n if (!this.isContextual("from") &&
!this.match(types$1.comma)) {\n node.source = this.finishPlaceholder(placeholder, "StringLiteral");\n
this.semicolon();\n return this.finishNode(node, "ImportDeclaration");\n }\n\n const specifier =
this.startNodeAtNode(placeholder);\n specifier.local = placeholder;\n this.finishNode(specifier,
"ImportDefaultSpecifier");\n node.specifiers.push(specifier);\n\n if (this.eat(types$1.comma)) {\n const
hasStarImport = this.maybeParseStarImportSpecifier(node);\n if (!hasStarImport)
this.parseNamedImportSpecifiers(node);\n }\n\n this.expectContextual("from");\n node.source =
this.parseImportSource();\n this.semicolon();\n return this.finishNode(node, "ImportDeclaration");\n }\n\n
parseImportSource() {\n
 return this.parsePlaceholder("StringLiteral") || super.parseImportSource(...arguments);\n }\n\n\n
var v8Intrinsic = (superClass => class extends superClass {\n parseV8Intrinsic() {\n if (this.match(types$1.modulo))
{\n const v8IntrinsicStart = this.state.start;\n const node = this.startNode();\n this.eat(types$1.modulo);\n
 if (this.match(types$1.name)) {\n const name = this.parseIdentifierName(this.state.start);\n const
identifier = this.createIdentifier(node, name);\n identifier.type = "V8IntrinsicIdentifier";\n\n if
(this.match(types$1.parenL)) {\n return identifier;\n }\n }\n\n this.unexpected(v8IntrinsicStart);\n
 }\n }\n\n parseExprAtom() {\n return this.parseV8Intrinsic() || super.parseExprAtom(...arguments);\n
 }\n\n});\n\nfunction hasPlugin(plugings, name) {\n return plugings.some(plugin => {\n if (Array.isArray(plugin))
{\n return plugin[0] === name;\n } else {\n return
plugin === name;\n }\n });\n}\n\nfunction getPluginOption(plugings, name, option) {\n const plugin =
plugings.find(plugin => {\n if (Array.isArray(plugin)) {\n return plugin[0] === name;\n } else {\n return
plugin === name;\n }\n });\n\n if (plugin && Array.isArray(plugin)) {\n return plugin[1][option];\n }\n\n
return null;\n}\n\nconst PIPELINE_PROPOSALS = ["minimal", "smart", "fsharp"];
const

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RECORD_AND_TUPLE_SYNTAX_TYPES = ["hash", "bar"];
function validatePlugins(plugins) {
 if (hasPlugin(plugins, "decorators")) {
 if (hasPlugin(plugins, "decorators-legacy")) {
 throw new Error("Cannot use the decorators and decorators-legacy plugin together");
 }
 const decoratorsBeforeExport = getPluginOption(plugins, "decorators", "decoratorsBeforeExport");
 if (decoratorsBeforeExport == null) {
 throw new Error("The 'decorators' plugin requires a 'decoratorsBeforeExport' option, whose value must be a boolean.");
 }
 if you are migrating from " + " Babylon/Babel 6 or want to use the old decorators proposal, you" + " should use the 'decorators-legacy' plugin instead of 'decorators'.");
 } else if (typeof decoratorsBeforeExport !== "boolean") {
 throw new Error("'decoratorsBeforeExport' must be a boolean.");
 }
 if (hasPlugin(plugins, "flow") && hasPlugin(plugins, "typescript")) {
 throw new Error("Cannot combine flow and typescript plugins.");
 }
 if (hasPlugin(plugins, "placeholders") && hasPlugin(plugins, "v8intrinsic")) {
 throw new Error("Cannot combine placeholders and v8intrinsic plugins.");
 }
 if (hasPlugin(plugins, "pipelineOperator") && !PIPELINE_PROPOSALS.includes(getPluginOption(plugins, "pipelineOperator", "proposal"))) {
 throw new Error("'pipelineOperator' requires 'proposal' option whose value should be one of: " + PIPELINE_PROPOSALS.map(p => `${p}`).join(", "));
 }
 if (hasPlugin(plugins, "moduleAttributes")) {
 if (hasPlugin(plugins, "importAssertions")) {
 throw new Error("Cannot combine importAssertions and moduleAttributes plugins.");
 }
 const moduleAttributesVersionPluginOption = getPluginOption(plugins, "moduleAttributes", "version");
 if (moduleAttributesVersionPluginOption !== "may-2020") {
 throw new Error("The 'moduleAttributes' plugin requires a 'version' option, representing the last proposal update. Currently, the only supported value is 'may-2020'.");
 }
 }
 if (hasPlugin(plugins, "recordAndTuple") && !RECORD_AND_TUPLE_SYNTAX_TYPES.includes(getPluginOption(plugins, "recordAndTuple", "syntaxType"))) {
 throw new Error("'recordAndTuple' requires 'syntaxType' option whose value should be one of: " + RECORD_AND_TUPLE_SYNTAX_TYPES.map(p => `${p}`).join(", "));
 }
 if (hasPlugin(plugins, "asyncDoExpressions") && !hasPlugin(plugins, "doExpressions")) {
 const error = new Error("'asyncDoExpressions' requires 'doExpressions', please add 'doExpressions' to parser plugins.");
 error.missingPlugins = "doExpressions";
 throw error;
 }
 const mixinPlugins = {
 estree,
 jsx,
 flow,
 typescript,
 v8intrinsic,
 placeholders
 };
 const mixinPluginNames = Object.keys(mixinPlugins);
 const defaultOptions = {
 sourceType: "script",
 sourceFilename: undefined,
 startLine: 1,
 allowAwaitOutsideFunction: false,
 allowReturnOutsideFunction: false,
 allowImportExportEverywhere: false,
 allowSuperOutsideMethod: false,
 allowUndeclaredExports: false,
 plugins: [],
 strictMode: null,
 ranges: false,
 tokens: false,
 createParenthesizedExpressions: false,
 errorRecovery: false
 };
 function getOptions(opts) {
 const options = {};
 for (const key of Object.keys(defaultOptions)) {
 options[key] = opts && opts[key] != null ? opts[key] : defaultOptions[key];
 }
 return options;
 }
 class State {
 constructor() {
 this.strict = void 0;
 this.curLine = void 0;
 this.startLoc = void 0;
 this.endLoc = void 0;
 this.errors = [];
 this.potentialArrowAt = -1;
 this.noArrowAt = [];
 this.noArrowParamsConversionAt = [];
 this.maybeInArrowParameters = false;
 this.inPipeline = false;
 this.inType = false;
 this.noAnonFunctionType = false;
 this.inPropertyName = false;
 this.hasFlowComment = false;
 this.isAmbientContext = false;
 this.inAbstractClass = false;
 this.topicContext = {
 maxNumOfResolvableTopics: 0,
 maxTopicIndex: null
 };
 this.soloAwait = false;
 this.inFSharpPipelineDirectBody = false;
 this.labels = [];
 this.decoratorStack = [];
 this.comments = [];
 this.trailingComments = [];
 this.leadingComments = [];
 this.commentStack = [];
 this.commentPreviousNode = null;
 this.pos = 0;
 this.lineStart = 0;
 this.type = types$1.eof;
 this.value = null;
 this.start = 0;
 this.end = 0;
 this.lastTokEndLoc = null;
 this.lastTokStartLoc = null;
 this.lastTokStart = 0;
 this.lastTokEnd = 0;
 this.context = [types.braceStatement];
 this.exprAllowed = true;
 this.containsEsc = false;
 this.strictErrors = new Map();
 this.exportedIdentifiers = [];
 this.tokensLength = 0;
 }
 init(options) {
 this.strict =

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options.strictMode === false ? false : options.sourceType === "module";
this.curLine = options.startLine;
this.startLoc = this.endLoc = this.curPosition();
}

curPosition() {
 return new Position(this.curLine, this.pos - this.lineStart);
}

clone(skipArrays) {
 const state = new State();
 const keys = Object.keys(this);
 for (let i = 0, length = keys.length; i < length; i++) {
 const key = keys[i];
 let val = this[key];
 if (!skipArrays && Array.isArray(val)) {
 val = val.slice();
 }
 state[key] = val;
 }
 return state;
}

var _isDigit = function isDigit(code) {
 return code >= 48 && code <= 57;
};

const VALID_REGEX_FLAGS = new Set(["g", "m", "s", "i", "y", "u"]);
const forbiddenNumericSeparatorSiblings = {
 decBinOct: [46, 66, 69, 79, 95, 98, 101, 111],
 hex: [46, 88, 95, 120]
};
const allowedNumericSeparatorSiblings = {};
const allowedNumericSeparatorSiblings.bin = [48, 49];
const allowedNumericSeparatorSiblings.oct = [...allowedNumericSeparatorSiblings.bin, 50, 51, 52, 53, 54, 55];
const allowedNumericSeparatorSiblings.dec = [...allowedNumericSeparatorSiblings.oct, 56, 57];
const allowedNumericSeparatorSiblings.hex = [...allowedNumericSeparatorSiblings.dec, 65, 66, 67, 68, 69, 70, 97, 98, 99, 100, 101, 102];

class Token {
 constructor(state) {
 this.type = state.type;
 this.value = state.value;
 this.start = state.start;
 this.end = state.end;
 this.loc = new SourceLocation(state.startLoc, state.endLoc);
 }
}

class Tokenizer extends ParserError {
 constructor(options, input) {
 super();
 this.isLookahead = void 0;
 this.tokens = [];
 this.state = new State();
 this.state.init(options);
 this.input = input;
 this.length = input.length;
 this.isLookahead = false;
 }

 pushToken(token) {
 this.tokens.length = this.state.tokensLength;
 this.tokens.push(token);
 ++this.state.tokensLength;
 }

 next() {
 if (!this.isLookahead) {
 this.checkKeywordEscapes();
 if (this.options.tokens) {
 this.pushToken(new Token(this.state));
 }
 this.state.lastTokEnd = this.state.end;
 this.state.lastTokStart = this.state.start;
 this.state.lastTokEndLoc = this.state.endLoc;
 this.state.lastTokStartLoc = this.state.startLoc;
 this.nextToken();
 }
 if (this.match(type)) {
 this.next();
 return true;
 } else {
 return false;
 }
 }

 match(type) {
 return this.state.type === type;
 }

 lookahead() {
 const old = this.state;
 this.state = old.clone(true);
 this.isLookahead = true;
 this.next();
 this.isLookahead = false;
 const curr = this.state;
 this.state = old;
 return curr;
 }

 nextTokenStart() {
 return this.nextTokenStartSince(this.state.pos);
 }

 nextTokenStartSince(pos) {
 skipWhiteSpace.lastIndex = pos;
 const skip = skipWhiteSpace.exec(this.input);
 return pos + skip[0].length;
 }

 lookaheadCharCode() {
 return this.input.charCodeAt(this.nextTokenStart());
 }

 codePointAtPos(pos) {
 let cp = this.input.charCodeAt(pos);
 if ((cp & 0xfc00) === 0xd800 && ++pos < this.input.length) {
 const trail = this.input.charCodeAt(pos);
 if ((trail & 0xfc00) === 0xdc00) {
 cp = 0x10000 + ((cp & 0x3ff) << 10) + (trail & 0x3ff);
 }
 }
 return cp;
 }

 setStrict(strict) {
 this.state.strict = strict;
 if (strict) {
 this.state.strictErrors.forEach((message, pos) => this.raise(pos, message));
 this.state.strictErrors.clear();
 }
 }

 curContext() {
 return this.state.context[this.state.context.length - 1];
 }

 nextToken() {
 const curContext = this.curContext();
 if (!curContext != null && curContext.preserveSpace) {
 this.skipSpace();
 this.state.start = this.state.pos;
 this.state.startLoc = this.state.curPosition();
 }
 if (this.state.pos >= this.length) {
 this.finishToken(types.eof);
 return;
 }
 const override = curContext == null ? void 0 : curContext.override;
 if (override) {
 override(this);
 } else {
 this.getTokenFromCode(this.codePointAtPos(this.state.pos));
 }
 }

 pushComment(block, text, start, end, startLoc, endLoc) {
 const comment = {
 type: block ? "CommentBlock" : "CommentLine",
 value: text,
 start: start,
 end: end,
 loc: new SourceLocation(startLoc, endLoc)
 };
 if (this.options.tokens) {
 this.pushToken(comment);
 this.state.comments.push(comment);
 this.addComment(comment);
 }
 }

 skipBlockComment() {
 const startLoc = this.state.curPosition();
 const start = this.state.pos;
 const end = this.input.indexOf("*/", this.state.pos + 2);
 if (end === -1) {
 throw this.raise(start, ErrorMessages.UnterminatedComment);
 }
 this.state.pos = end + 2;
 lineBreakG.lastIndex = start;
 let match;
 while ((match = lineBreakG.exec(this.input)) && match.index < this.state.pos) {
 ++this.state.curLine;
 this.state.lineStart = match.index + match[0].length;
 }
 if (this.isLookahead)

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return;\n this.pushComment(true, this.input.slice(start + 2, end), start, this.state.pos, startLoc,\nthis.state.curPosition());\n }\n\n skipLineComment(startSkip) {\n const start = this.state.pos;\n const startLoc =\nthis.state.curPosition();\n\n let ch = this.input.charCodeAtAt(this.state.pos += startSkip);\n if (this.state.pos < this.length) {\n while\n(!isNewLine(ch) && ++this.state.pos < this.length) {\n ch = this.input.charCodeAtAt(this.state.pos);\n }\n }\n\n if (this.isLookahead) return;\n this.pushComment(false, this.input.slice(start + startSkip, this.state.pos),\nstart, this.state.pos, startLoc, this.state.curPosition());\n }\n\n skipSpace() {\n loop: while (this.state.pos <\nthis.length) {\n const ch = this.input.charCodeAtAt(this.state.pos);\n switch (ch) {\n case 32:\n case\n160:\n case 9:\n ++this.state.pos;\n break;\n\n case 13:\n if\n(this.input.charCodeAtAt(this.state.pos + 1) === 10) {\n ++this.state.pos;\n }\n\n case 10:\n case\n8232:\n case 8233:\n ++this.state.pos;\n ++this.state.curLine;\n this.state.lineStart =\nthis.state.pos;\n\n break;\n\n case 47:\n switch (this.input.charCodeAtAt(this.state.pos + 1)) {\n case 42:\nthis.skipBlockComment();\n break;\n\n case 47:\n this.skipLineComment(2);\n break;\n\n default:\n break loop;\n }\n\n default:\n if\n(isWhitespace(ch)) {\n ++this.state.pos;\n } else {\n break loop;\n }\n }\n }\n }\n\n finishToken(type, val) {\n this.state.end = this.state.pos;\n this.state.endLoc = this.state.curPosition();\n const\nprevType = this.state.type;\n this.state.type = type;\n this.state.value = val;\n if (!this.isLookahead)\nthis.updateContext(prevType);\n }\n\n readToken_numberSign() {\n if (this.state.pos === 0 &&\nthis.readToken_interpreter()) {\n return;\n }\n const nextPos = this.state.pos + 1;\n const next =\nthis.codePointAtPos(nextPos);\n\n if (next >= 48 && next <= 57) {\n throw this.raise(this.state.pos,\nErrorMessages.UnexpectedDigitAfterHash);\n }\n\n if (next === 123 || next === 91 &&\nthis.hasPlugin("recordAndTUPLE")) {\n this.expectPlugin("recordAndTUPLE");\n }\n\n if\n(this.getPluginOption("recordAndTUPLE", "syntaxType") !== "hash") {\n throw this.raise(this.state.pos, next\n=== 123 ? ErrorMessages.RecordExpressionHashIncorrectStartSyntaxType :\nErrorMessages.TUPLEExpressionHashIncorrectStartSyntaxType);\n }\n\n if (next === 123) {\n this.finishToken(types$1.braceHashL);\n } else {\n this.finishToken(types$1.bracketHashL);\n }\n\n this.state.pos += 2;\n } else if (isIdentifierStart(next)) {\n ++this.state.pos;\n this.finishToken(types$1.privateName, this.readWord1(next));\n } else if (next === 92) {\n ++this.state.pos;\n this.finishToken(types$1.privateName, this.readWord1());\n } else {\n this.finishOp(types$1.hash,\n1);\n }\n }\n\n readToken_dot() {\n const next = this.input.charCodeAtAt(this.state.pos + 1);\n if (next >= 48\n&& next <= 57) {\n this.readNumber(true);\n return;\n }\n\n if (next === 46 &&\nthis.input.charCodeAtAt(this.state.pos + 2) === 46) {\n this.state.pos += 3;\n this.finishToken(types$1.ellipsis);\n } else {\n ++this.state.pos;\n this.finishToken(types$1.dot);\n }\n }\n\n readToken_slash() {\n if (this.state.exprAllowed && !this.state.inType) {\n ++this.state.pos;\n this.readRegexp();\n return;\n }\n\n const next = this.input.charCodeAtAt(this.state.pos + 1);\n if (next ===\n61) {\n this.finishOp(types$1.assign, 2);\n } else {\n this.finishOp(types$1.slash, 1);\n }\n }\n\n readToken_interpreter() {\n if (this.state.pos !== 0 || this.length < 2) return false;\n let ch =\nthis.input.charCodeAtAt(this.state.pos + 1);\n if (ch !== 33) return false;\n const start =\nthis.state.pos;\n this.state.pos += 1;\n while (!isNewLine(ch) && ++this.state.pos < this.length) {\n ch =\nthis.input.charCodeAtAt(this.state.pos);\n }\n\n const value = this.input.slice(start + 2, this.state.pos);\n this.finishToken(types$1.interpreterDirective, value);\n return true;\n }\n\n readToken_mult_modulo(code) {\n let type = code === 42 ? types$1.star : types$1.modulo;\n let width = 1;\n let next =\nthis.input.charCodeAtAt(this.state.pos + 1);\n const exprAllowed = this.state.exprAllowed;\n\n if (code === 42\n&& next === 42) {\n width++;\n next = this.input.charCodeAtAt(this.state.pos + 2);\n type =\ntypes$1.exponent;\n }\n\n if (next === 61 && !exprAllowed) {\n width++;\n type = types$1.assign;\n }\n\n this.finishOp(type, width);\n }\n\n readToken_pipe_amp(code) {\n const next =

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this.input.charCodeAt(this.state.pos + 1);\n\n if (next === code) {\n if (this.input.charCodeAt(this.state.pos + 2)
=== 61) {\n this.finishOp(types$1.assign, 3);\n } else {\n this.finishOp(code === 124 ?
types$1.logicalOR : types$1.logicalAND, 2);\n }\n\n return;\n }\n\n if (code === 124) {\n if (next ===
62) {\n this.finishOp(types$1.pipeline, 2);\n return;\n }\n\n if (this.hasPlugin(\"recordAndTuple\")
&& next === 125) {\n if (this.getPluginOption(\"recordAndTuple\", \"syntaxType\") !== \"bar\") {\n
throw this.raise(this.state.pos, ErrorMessages.RecordExpressionBarIncorrectEndSyntaxType);\n }\n\n
this.finishOp(types$1.braceBarR, 2);\n return;\n }\n\n if (this.hasPlugin(\"recordAndTuple\") && next
=== 93) {\n if (this.getPluginOption(\"recordAndTuple\", \"syntaxType\") !== \"bar\") {\n throw
this.raise(this.state.pos, ErrorMessages.TupleExpressionBarIncorrectEndSyntaxType);\n }\n\n
this.finishOp(types$1.bracketBarR, 2);\n return;\n }\n }\n\n
if (next === 61) {\n this.finishOp(types$1.assign, 2);\n return;\n }\n\n this.finishOp(code === 124 ?
types$1.bitwiseOR : types$1.bitwiseAND, 1);\n }\n\n readToken_caret() {\n const next =
this.input.charCodeAt(this.state.pos + 1);\n\n if (next === 61) {\n this.finishOp(types$1.assign, 2);\n } else
{\n this.finishOp(types$1.bitwiseXOR, 1);\n }\n }\n\n readToken_plus_min(code) {\n const next =
this.input.charCodeAt(this.state.pos + 1);\n\n if (next === code) {\n if (next === 45 && !this.inModule &&
this.input.charCodeAt(this.state.pos + 2) === 62 && (this.state.lastTokEnd === 0 || this.hasPrecedingLineBreak()))
{\n this.skipLineComment(3);\n this.skipSpace();\n this.nextToken();\n return;\n
}\n\n this.finishOp(types$1.incDec, 2);\n return;\n }\n\n if (next === 61) {\n this.finishOp(types$1.assign, 2);\n
 } else {\n this.finishOp(types$1.plusMin, 1);\n }\n }\n\n readToken_lt_gt(code)
{\n const next = this.input.charCodeAt(this.state.pos + 1);\n let size = 1;\n\n if (next === code) {\n size =
code === 62 && this.input.charCodeAt(this.state.pos + 2) === 62 ? 3 : 2;\n\n if
(this.input.charCodeAt(this.state.pos + size) === 61) {\n this.finishOp(types$1.assign, size + 1);\n return;\n
}\n\n this.finishOp(types$1.bitShift, size);\n return;\n }\n\n if (next === 33 && code === 60 &&
!this.inModule && this.input.charCodeAt(this.state.pos + 2) === 45 && this.input.charCodeAt(this.state.pos + 3)
=== 45) {\n this.skipLineComment(4);\n this.skipSpace();\n this.nextToken();\n return;\n
}\n\n if (next === 61) {\n size = 2;\n }\n\n this.finishOp(types$1.relational, size);\n }\n\n readToken_eq_excl(code)
{\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (next === 61) {\n
this.finishOp(types$1.equality, this.input.charCodeAt(this.state.pos + 2) === 61
? 3 : 2);\n return;\n }\n\n if (code === 61 && next === 62) {\n this.state.pos += 2;\n
this.finishToken(types$1.arrow);\n return;\n }\n\n this.finishOp(code === 61 ? types$1.eq : types$1.bang,
1);\n }\n\n readToken_question() {\n const next = this.input.charCodeAt(this.state.pos + 1);\n const next2 =
this.input.charCodeAt(this.state.pos + 2);\n\n if (next === 63) {\n if (next2 === 61) {\n
this.finishOp(types$1.assign, 3);\n } else {\n this.finishOp(types$1.nullishCoalescing, 2);\n }\n } else if
(next === 46 && !(next2 >= 48 && next2 <= 57)) {\n this.state.pos += 2;\n
this.finishToken(types$1.questionDot);\n } else {\n ++this.state.pos;\n this.finishToken(types$1.question);\n
 }\n }\n\n getTokenFromCode(code) {\n switch (code) {\n case 46:\n this.readToken_dot();\n
return;\n\n case 40:\n ++this.state.pos;\n this.finishToken(types$1.parenL);\n
return;\n\n case 41:\n ++this.state.pos;\n this.finishToken(types$1.parenR);\n return;\n\n case
59:\n ++this.state.pos;\n this.finishToken(types$1.semi);\n return;\n\n case 44:\n
 ++this.state.pos;\n this.finishToken(types$1.comma);\n return;\n\n case 91:\n if
(this.hasPlugin(\"recordAndTuple\") && this.input.charCodeAt(this.state.pos + 1) === 124) {\n if
(this.getPluginOption(\"recordAndTuple\", \"syntaxType\") !== \"bar\") {\n throw this.raise(this.state.pos,
ErrorMessages.TupleExpressionBarIncorrectStartSyntaxType);\n }\n\n this.finishToken(types$1.bracketBarL);\n
 this.state.pos += 2;\n } else {\n ++this.state.pos;\n
this.finishToken(types$1.bracketL);\n }\n\n return;\n\n case 93:\n ++this.state.pos;\n
this.finishToken(types$1.bracketR);\n return;\n\n case 123:\n if (this.hasPlugin(\"recordAndTuple\"))

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&& this.input.charCodeAt(this.state.pos + 1) === 124) {\n if (this.getPluginOption("\recordAndTuple",
\'syntaxType\') !== \'bar\') {\n throw this.raise(this.state.pos,
ErrorMessages.RecordExpressionBarIncorrectStartSyntaxType);\n }\n\nthis.finishToken(types$1.braceBarL);\n this.state.pos += 2;\n } else {\n ++this.state.pos;\nthis.finishToken(types$1.braceL);\n }\n\n return;\n\n case 125:\n ++this.state.pos;\nthis.finishToken(types$1.braceR);\n return;\n\n case 58:\n if (this.hasPlugin(\'functionBind\')) &&
this.input.charCodeAt(this.state.pos + 1) === 58) {\n this.finishOp(types$1.doubleColon, 2);\n } else {\n ++this.state.pos;\n this.finishToken(types$1.colon);\n }\n\n return;\n\n case 63:\nthis.readToken_question();\n return;\n\n case 96:\n ++this.state.pos;\n this.finishToken(types$1.backQuote);\n return;\n\n case 48:\n {\n const next =
this.input.charCodeAt(this.state.pos + 1);\n\n if (next === 120 || next === 88) {\nthis.readRadixNumber(16);\n return;\n }\n\n if (next === 111 || next === 79) {\nthis.readRadixNumber(8);\n return;\n }\n\n if (next === 98 || next === 66) {\nthis.readRadixNumber(2);\n return;\n }\n }\n\n case 49:\n case 50:\n case 51:\n case
52:\n case 53:\n case 54:\n case 55:\n case 56:\n case 57:\n this.readNumber(false);\n return;\n\n case 34:\n case 39:\n this.readString(code);\n return;\n\n case 47:\nthis.readToken_slash();\n return;\n\n case 37:\n case 42:\n this.readToken_mult_modulo(code);\n return;\n\n case 124:\n\n case 38:\n this.readToken_pipe_amp(code);\n return;\n\n case 94:\n this.readToken_caret();\n return;\n\n case 43:\n case 45:\n this.readToken_plus_min(code);\n return;\n\n case 60:\n case
62:\n this.readToken_lt_gt(code);\n return;\n\n case 61:\n case 33:\nthis.readToken_eq_excl(code);\n return;\n\n case 126:\n this.finishOp(types$1.tilde, 1);\n return;\n\n case 64:\n ++this.state.pos;\n this.finishToken(types$1.at);\n return;\n\n case 35:\nthis.readToken_numberSign();\n return;\n\n case 92:\n this.readWord();\n return;\n\n default:\n if (isIdentifierStart(code)) {\n this.readWord(code);\n return;\n }\n\n throw
this.raise(this.state.pos, ErrorMessages.InvalidOrUnexpectedToken, String.fromCodePoint(code));\n }\n\n finishOp(type, size) {\n\n const str = this.input.slice(this.state.pos, this.state.pos + size);\n this.state.pos += size;\n this.finishToken(type,
str);\n }\n\n readRegexp() {\n const start = this.state.pos;\n let escaped, inClass;\n\n for (;) {\n if
(this.state.pos >= this.length) {\n throw this.raise(start, ErrorMessages.UnterminatedRegExp);\n }\n\n const ch = this.input.charAt(this.state.pos);\n\n if (lineBreak.test(ch)) {\n throw this.raise(start,
ErrorMessages.UnterminatedRegExp);\n }\n\n if (escaped) {\n escaped = false;\n } else {\n if (ch
=== \'[\' || ch === \')\' {\n inClass = true;\n } else if (ch === \'|\' && inClass) {\n inClass = false;\n } else if
(ch === \'^\' && !inClass) {\n break;\n }\n\n escaped = ch === \'\\\\\\\\\\\\\\\\';\n }\n\n ++this.state.pos;\n }\n\n const content = this.input.slice(start, this.state.pos);\n ++this.state.pos;\n let mods =
\'\\\\\\\\\\\\\\\\';\n\n while
(this.state.pos < this.length) {\n const char = this.input[this.state.pos];\n const charCode =
this.codePointAtPos(this.state.pos);\n\n if (VALID_REGEX_FLAGS.has(char)) {\n if (mods.indexOf(char)
> -1) {\n this.raise(this.state.pos + 1, ErrorMessages.DuplicateRegExpFlags);\n }\n } else if
(isIdentifierChar(charCode) || charCode === 92) {\n this.raise(this.state.pos + 1,
ErrorMessages.MalformedRegExpFlags);\n } else {\n break;\n }\n\n ++this.state.pos;\n mods +=
char;\n }\n\n this.finishToken(types$1.regexp, {\n pattern: content,\n flags: mods\n });\n }\n\n readInt(radix, len, forceLen, allowNumSeparator = true) {\n const start = this.state.pos;\n const
forbiddenSiblings = radix === 16 ? forbiddenNumericSeparatorSiblings.hex :
forbiddenNumericSeparatorSiblings.decBinOct;\n const allowedSiblings = radix === 16 ?
allowedNumericSeparatorSiblings.hex : radix === 10 ? allowedNumericSeparatorSiblings.dec
: radix === 8 ? allowedNumericSeparatorSiblings.oct : allowedNumericSeparatorSiblings.bin;\n let invalid =
false;\n let total = 0;\n\n for (let i = 0, e = len == null ? Infinity : len; i < e; ++i) {\n const code =

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this.input.charCodeAtAt(this.state.pos);\n let val;\n\n if (code === 95) {\n const prev =
this.input.charCodeAtAt(this.state.pos - 1);\n const next = this.input.charCodeAtAt(this.state.pos + 1);\n if
(allowedSiblings.indexOf(next) === -1) {\n this.raise(this.state.pos,
ErrorMessages.UnexpectedNumericSeparator);\n } else if (forbiddenSiblings.indexOf(prev) > -1 ||
forbiddenSiblings.indexOf(next) > -1 || Number.isNaN(next)) {\n this.raise(this.state.pos,
ErrorMessages.UnexpectedNumericSeparator);\n }\n\n if (!allowNumSeparator) {\n
this.raise(this.state.pos, ErrorMessages.NumericSeparatorInEscapeSequence);\n }\n\n ++this.state.pos;\n
continue;\n
 }\n\n if (code >= 97) {\n val = code - 97 + 10;\n } else if (code >= 65) {\n val = code - 65 + 10;\n
 } else if (_isDigit(code)) {\n val = code - 48;\n } else {\n val = Infinity;\n }\n\n if (val >= radix)
{\n if (this.options.errorRecovery && val <= 9) {\n val = 0;\n this.raise(this.state.start + i + 2,
ErrorMessages.InvalidDigit, radix);\n } else if (forceLen) {\n val = 0;\n invalid = true;\n } else
{\n break;\n }\n }\n\n ++this.state.pos;\n total = total * radix + val;\n\n if (this.state.pos
=== start || len != null && this.state.pos - start !== len || invalid) {\n return null;\n }\n\n return total;\n
}\n\n readRadixNumber(radix) {\n const start = this.state.pos;\n let isBigInt = false;\n this.state.pos += 2;\n const
val = this.readInt(radix);\n if (val == null) {\n this.raise(this.state.start
+ 2, ErrorMessages.InvalidDigit, radix);\n }\n\n const next = this.input.charCodeAtAt(this.state.pos);\n\n if (next
=== 110) {\n ++this.state.pos;\n isBigInt = true;\n } else if (next === 109) {\n throw this.raise(start,
ErrorMessages.InvalidDecimal);\n }\n\n if (isIdentifierStart(this.codePointAtPos(this.state.pos))) {\n throw
this.raise(this.state.pos, ErrorMessages.NumberIdentifier);\n }\n\n if (isBigInt) {\n const str =
this.input.slice(start, this.state.pos).replace(/[_n]/g, "\\n");\n this.finishToken(types$.bigint, str);\n return;\n
 }\n\n this.finishToken(types$.num, val);\n }\n\n readNumber(startsWithDot) {\n const start = this.state.pos;\n
 let isFloat = false;\n let isBigInt = false;\n let isDecimal = false;\n let hasExponent = false;\n let isOctal =
false;\n\n if (!startsWithDot && this.readInt(10) === null) {\n this.raise(start,
ErrorMessages.InvalidNumber);\n }\n\n const hasLeadingZero
= this.state.pos - start >= 2 && this.input.charCodeAtAt(start) === 48;\n\n if (hasLeadingZero) {\n const integer
= this.input.slice(start, this.state.pos);\n this.recordStrictModeErrors(start, ErrorMessages.StrictOctalLiteral);\n\n if (!this.state.strict) {\n const underscorePos = integer.indexOf("_");\n\n if (underscorePos > 0) {\n this.raise(underscorePos + start, ErrorMessages.ZeroDigitNumericSeparator);\n }\n }\n\n isOctal =
hasLeadingZero && /[89]/.test(integer);\n }\n\n let next = this.input.charCodeAtAt(this.state.pos);\n\n if (next
=== 46 && !isOctal) {\n ++this.state.pos;\n this.readInt(10);\n isFloat = true;\n next =
this.input.charCodeAtAt(this.state.pos);\n }\n\n if ((next === 69 || next === 101) && !isOctal) {\n next =
this.input.charCodeAtAt(++this.state.pos);\n\n if (next === 43 || next === 45) {\n ++this.state.pos;\n }\n\n if (this.readInt(10) ===
null) {\n this.raise(start, ErrorMessages.InvalidOrMissingExponent);\n }\n\n isFloat = true;\n
 hasExponent = true;\n next = this.input.charCodeAtAt(this.state.pos);\n }\n\n if (next === 110) {\n if (isFloat
|| hasLeadingZero) {\n this.raise(start, ErrorMessages.InvalidBigIntLiteral);\n }\n\n ++this.state.pos;\n
 isBigInt = true;\n }\n\n if (next === 109) {\n this.expectPlugin("decimal", this.state.pos);\n\n if
(hasExponent || hasLeadingZero) {\n this.raise(start, ErrorMessages.InvalidDecimal);\n }\n\n ++this.state.pos;\n
 isDecimal = true;\n }\n\n if (isIdentifierStart(this.codePointAtPos(this.state.pos))) {\n throw this.raise(this.state.pos, ErrorMessages.NumberIdentifier);\n }\n\n const str = this.input.slice(start,
this.state.pos).replace(/[_mn]/g, "\\n");\n\n if (isBigInt) {\n this.finishToken(types$.bigint, str);\n return;\n
 }\n\n if (isDecimal) {\n this.finishToken(types$.decimal, str);\n return;\n }\n\n const val = isOctal ? parseInt(str, 8) :
parseFloat(str);\n this.finishToken(types$.num, val);\n }\n\n readCodePoint(throwOnInvalid) {\n const ch =
this.input.charCodeAtAt(this.state.pos);\n let code;\n\n if (ch === 123) {\n const codePos = ++this.state.pos;\n
 code = this.readHexChar(this.input.indexOf("}", this.state.pos) - this.state.pos, true, throwOnInvalid);\n ++this.state.pos;\n\n if (code !== null && code > 0x10ffff) {\n if (throwOnInvalid) {\n

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this.raise(codePos, ErrorMessage.UnterminatedTemplate);
} else {
 code = this.readHexChar(4, false, throwOnInvalid);
 return code;
}

readString(quote) {
 let out = "";
 chunkStart = ++this.state.pos;
 for (;;) {
 if (this.state.pos >= this.length) {
 throw this.raise(this.state.start, ErrorMessage.UnterminatedString);
 }
 const ch = this.input.charCodeAtAt(this.state.pos);
 if (ch === quote) break;
 if (ch === 92) {
 out += this.input.slice(chunkStart, this.state.pos);
 out += this.readEscapedChar(false);
 chunkStart = this.state.pos;
 } else if (ch === 8232 || ch === 8233) {
 ++this.state.pos;
 ++this.state.curLine;
 this.state.lineStart = this.state.pos;
 } else if (isNewLine(ch)) {
 throw this.raise(this.state.start, ErrorMessage.UnterminatedString);
 } else {
 ++this.state.pos;
 }
 }
 out += this.input.slice(chunkStart, this.state.pos);
 this.finishToken(types$.string, out);
}

readTplToken() {
 let out = "";
 chunkStart = this.state.pos;
 containsInvalid = false;
 for (;;) {
 if (this.state.pos >= this.length) {
 throw this.raise(this.state.start, ErrorMessage.UnterminatedTemplate);
 }
 const ch = this.input.charCodeAtAt(this.state.pos);
 if (ch === 96 || ch === 36 && this.input.charCodeAtAt(this.state.pos + 1) === 123) {
 if (this.state.pos === this.state.start && this.match(types$.template)) {
 if (ch === 36) {
 this.state.pos += 2;
 this.finishToken(types$.dollarBraceL);
 return;
 } else {
 ++this.state.pos;
 this.finishToken(types$.backQuote);
 return;
 }
 }
 out += this.input.slice(chunkStart, this.state.pos);
 this.finishToken(types$.template, containsInvalid ? null : out);
 return;
 }
 if (ch === 92) {
 out += this.input.slice(chunkStart, this.state.pos);
 const escaped = this.readEscapedChar(true);
 if (escaped === null) {
 containsInvalid = true;
 } else {
 out += escaped;
 }
 chunkStart = this.state.pos;
 } else if (isNewLine(ch)) {
 out += this.input.slice(chunkStart, this.state.pos);
 ++this.state.pos;
 }
 switch (ch) {
 case 13:
 if (this.input.charCodeAtAt(this.state.pos) === 10) {
 ++this.state.pos;
 }
 case 10:
 out += "\\n";
 break;
 default:
 out += String.fromCharCode(ch);
 break;
 }
 ++this.state.curLine;
 this.state.lineStart = this.state.pos;
 chunkStart = this.state.pos;
 }
 ++this.state.pos;
}

}

recordStrictModeErrors(pos, message) {
 if (this.state.strict && !this.state.strictErrors.has(pos)) {
 this.raise(pos, message);
 } else {
 this.state.strictErrors.set(pos, message);
 }
}

readEscapedChar(inTemplate) {
 const throwOnInvalid = !inTemplate;
 const ch = this.input.charCodeAtAt(++this.state.pos);
 ++this.state.pos;

 switch (ch) {
 case 110:
 return "\\n";
 case 114:
 return "\\r";
 case 120:
 const code = this.readHexChar(2, false, throwOnInvalid);
 return code === null ? null : String.fromCharCode(code);
 case 117:
 const code = this.readCodePoint(throwOnInvalid);
 return code === null ? null : String.fromCodePoint(code);
 case 116:
 return "\\t";
 case 98:
 return "\\b";
 case 118:
 return "\\u00b";
 case 102:
 return "\\f";
 case 13:
 if (this.input.charCodeAtAt(this.state.pos) === 10) {
 ++this.state.pos;
 }
 case 10:
 this.state.lineStart = this.state.pos;
 ++this.state.curLine;
 case 8232:
 case 8233:
 return "";
 case 56:
 case 57:
 if (inTemplate) {
 return null;
 }
 }
 this.recordStrictModeErrors(this.state.pos - 1, ErrorMessage.StrictNumericEscape);
 if (ch >= 48 && ch <= 55) {
 const codePos = this.state.pos - 1;
 const match = this.input.substr(this.state.pos - 1, 3).match(/[0-7]+/);
 let octalStr = match[0];
 let octal = parseInt(octalStr, 8);
 if (octal > 255) {
 octalStr = octalStr.slice(0, -1);
 octal = parseInt(octalStr, 8);
 }
 this.state.pos += octalStr.length - 1;
 const next = this.input.charCodeAtAt(this.state.pos);
 if (octalStr !== "0" || next === 56 || next === 57) {
 if (inTemplate) {
 return null;
 } else {
 this.recordStrictModeErrors(codePos, ErrorMessage.StrictNumericEscape);
 }
 return String.fromCharCode(octal);
 }
 return String.fromCharCode(ch);
 }
}

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 }\n }\n\n readHexChar(len, forceLen, throwOnInvalid) {\n const codePos = this.state.pos;\n const n =
this.readInt(16, len, forceLen, false);\n if (n === null) {\n if (throwOnInvalid) {\n this.raise(codePos,
ErrorMessages.InvalidEscapeSequence);\n } else {\n this.state.pos = codePos - 1;\n }\n }\n return
n;\n }\n\n readWord1(firstCode) {\n this.state.containsEsc = false;\n let word = \"\";\n const start =
this.state.pos;\n let chunkStart = this.state.pos;\n if (firstCode !== undefined) {\n this.state.pos += firstCode
<= 0xffff ? 1 : 2;\n }\n while (this.state.pos < this.length) {\n const ch =
this.codePointAtPos(this.state.pos);\n if (isIdentifierChar(ch)) {\n this.state.pos += ch <= 0xffff ? 1 : 2;\n
 } else if (ch === 92) {\n this.state.containsEsc = true;\n word += this.input.slice(chunkStart,
this.state.pos);\n const escStart = this.state.pos;\n
 const identifierCheck = this.state.pos === start ? isIdentifierStart : isIdentifierChar;\n if
(this.input.charCodeAt(++this.state.pos) !== 117) {\n this.raise(this.state.pos,
ErrorMessages.MissingUnicodeEscape);\n chunkStart = this.state.pos - 1;\n continue;\n }\n ++this.state.pos;\n const esc = this.readCodePoint(true);\n if (esc !== null) {\n if
(!identifierCheck(esc)) {\n this.raise(escStart, ErrorMessages.EscapedCharNotAnIdentifier);\n }\n word += String.fromCodePoint(esc);\n }\n chunkStart = this.state.pos;\n } else {\n break;\n
 }\n }\n return word + this.input.slice(chunkStart, this.state.pos);\n }\n\n readWord(firstCode) {\n const
word = this.readWord1(firstCode);\n const type = keywords$1.get(word) || types$1.name;\n
this.finishToken(type, word);\n }\n\n checkKeywordEscapes() {\n const kw = this.state.type.keyword;\n
 if (kw && this.state.containsEsc) {\n this.raise(this.state.start, ErrorMessages.InvalidEscapedReservedWord,
kw);\n }\n }\n\n braceIsBlock(prevType) {\n const parent = this.curContext();\n if (parent ===
types.functionExpression || parent === types.functionStatement) {\n return true;\n }\n if (prevType ===
types$1.colon && (parent === types.braceStatement || parent === types.braceExpression)) {\n return
!parent.isExpr;\n }\n if (prevType === types$1._return || prevType === types$1.name &&
this.state.exprAllowed) {\n return this.hasPrecedingLineBreak();\n }\n if (prevType === types$1._else ||
prevType === types$1.semi || prevType === types$1.eof || prevType === types$1.parenR || prevType ===
types$1.arrow) {\n return true;\n }\n if (prevType === types$1.braceL) {\n return parent ===
types.braceStatement;\n }\n if (prevType === types$1._var || prevType === types$1._const || prevType ===
types$1.name) {\n return false;\n }\n if (prevType === types$1.relational) {\n return true;\n }\n return
!this.state.exprAllowed;\n }\n\n updateContext(prevType) {\n const type = this.state.type;\n let update;\n if
(type.keyword && (prevType === types$1.dot || prevType === types$1.questionDot)) {\n this.state.exprAllowed
= false;\n } else if (update = type.updateContext) {\n update.call(this, prevType);\n } else {\n
this.state.exprAllowed = type.beforeExpr;\n }\n }\n\n}\n\nclass ClassScope {\n constructor() {\n
this.privateNames = new Set();\n this.loneAccessors = new Map();\n this.undefinedPrivateNames = new
Map();\n }\n}\n\nclass ClassScopeHandler {\n constructor(raise) {\n this.stack = [];\n
this.undefinedPrivateNames = new Map();\n this.raise = raise;\n }\n current() {\n return
this.stack[this.stack.length - 1];\n }\n enter() {\n this.stack.push(new ClassScope());\n }\n exit() {\n const
oldClassScope = this.stack.pop();\n const current = this.current();\n for (const [name, pos] of
Array.from(oldClassScope.undefinedPrivateNames)) {\n if (current) {\n if
(!current.undefinedPrivateNames.has(name)) {\n current.undefinedPrivateNames.set(name, pos);\n }\n
 } else {\n this.raise(pos, ErrorMessages.InvalidPrivateFieldResolution, name);\n }\n }\n
 }\n declarePrivateName(name, elementType, pos) {\n const classScope = this.current();\n let redefined =
classScope.privateNames.has(name);\n if (elementType & CLASS_ELEMENT_KIND_ACCESSOR) {\n const accessor = redefined && classScope.loneAccessors.get(name);\n if (accessor) {\n const oldStatic =
accessor & CLASS_ELEMENT_FLAG_STATIC;\n const newStatic = elementType &
CLASS_ELEMENT_FLAG_STATIC;\n const oldKind = accessor &
CLASS_ELEMENT_KIND_ACCESSOR;\n const newKind = elementType &
CLASS_ELEMENT_KIND_ACCESSOR;\n redefined

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= oldKind === newKind || oldStatic !== newStatic;\n if (!redefined) classScope.loneAccessors.delete(name);\n } else if (!redefined) {\n classScope.loneAccessors.set(name, elementType);\n }\n }\n\n if (redefined)\n {\n this.raise(pos, ErrorMessages.PrivateNameRedeclaration, name);\n }\n\n classScope.privateNames.add(name);\n classScope.undeclaredPrivateNames.delete(name);\n}\n\nusePrivateName(name, pos) {\n let classScope;\n\n for (classScope of this.stack) {\n if\n (classScope.privateNames.has(name)) return;\n }\n\n if (classScope) {\n classScope.undeclaredPrivateNames.set(name, pos);\n } else {\n this.raise(pos,\n ErrorMessages.InvalidPrivateFieldResolution, name);\n }\n}\n\nconst kExpression = 0,\n kMaybeArrowParameterDeclaration = 1,\n kMaybeAsyncArrowParameterDeclaration = 2,\n kParameterDeclaration = 3;\n\nclass ExpressionScope {\n constructor(type = kExpression) {\n this.type =\n void 0;\n this.type = type;\n }\n\n canBeArrowParameterDeclaration() {\n return this.type ===\n kMaybeArrowParameterDeclaration || this.type === kMaybeAsyncArrowParameterDeclaration;\n }\n\n isCertainlyParameterDeclaration() {\n return this.type === kParameterDeclaration;\n }\n}\n\nclass\n ArrowHeadParsingScope extends ExpressionScope {\n constructor(type) {\n super(type);\n this.errors = new\n Map();\n }\n\n recordDeclarationError(pos, template) {\n this.errors.set(pos, template);\n }\n\n clearDeclarationError(pos) {\n this.errors.delete(pos);\n }\n\n iterateErrors(iterator) {\n this.errors.forEach(iterator);\n }\n}\n\nclass ExpressionScopeHandler {\n constructor(raise) {\n this.stack =\n [new ExpressionScope()];\n this.raise = raise;\n }\n\n enter(scope) {\n this.stack.push(scope);\n }\n\n exit()\n {\n this.stack.pop();\n }\n\n recordParameterInitializerError(pos, template) {\n const {\n stack\n } = this;\n\n let i = stack.length\n - 1;\n\n let scope = stack[i];\n\n while (!scope.isCertainlyParameterDeclaration()) {\n if\n (scope.canBeArrowParameterDeclaration()) {\n scope.recordDeclarationError(pos, template);\n } else {\n return;\n }\n\n scope = stack[--i];\n }\n\n this.raise(pos, template);\n }\n\n recordParenthesizedIdentifierError(pos, template) {\n const {\n stack\n } = this;\n\n const scope =\n stack[stack.length - 1];\n\n if (scope.isCertainlyParameterDeclaration()) {\n this.raise(pos, template);\n } else\n if (scope.canBeArrowParameterDeclaration()) {\n scope.recordDeclarationError(pos, template);\n } else {\n return;\n }\n\n recordAsyncArrowParametersError(pos, template) {\n const {\n stack\n } = this;\n let\n i = stack.length - 1;\n\n let scope = stack[i];\n\n while (scope.canBeArrowParameterDeclaration()) {\n if\n (scope.type === kMaybeAsyncArrowParameterDeclaration) {\n scope.recordDeclarationError(pos,\n template);\n }\n\n scope = stack[--i];\n }\n\n validateAsPattern() {\n const {\n stack\n } = this;\n\n const currentScope = stack[stack.length - 1];\n\n if (!currentScope.canBeArrowParameterDeclaration()) return;\n\n currentScope.iterateErrors((template, pos) => {\n this.raise(pos, template);\n let i = stack.length - 2;\n let\n scope = stack[i];\n\n while (scope.canBeArrowParameterDeclaration()) {\n scope.clearDeclarationError(pos);\n scope = stack[--i];\n }\n });\n }\n\n }\n\n }\n\n newParameterDeclarationScope() {\n return new ExpressionScope(kParameterDeclaration);\n }\n\n newArrowHeadScope() {\n return new\n ArrowHeadParsingScope(kMaybeArrowParameterDeclaration);\n }\n\n newAsyncArrowScope() {\n return\n new ArrowHeadParsingScope(kMaybeAsyncArrowParameterDeclaration);\n }\n\n newExpressionScope() {\n return\n new ExpressionScope();\n }\n}\n\nclass UtilParser extends Tokenizer {\n addExtra(node, key, val) {\n if (!node) return;\n\n const extra = node.extra = node.extra || {};\n extra[key] =\n val;\n }\n\n isRelational(op) {\n return this.match(types$1.relational) && this.state.value === op;\n }\n\n expectRelational(op) {\n if (this.isRelational(op)) {\n this.next();\n } else {\n this.unexpected(null,\n types$1.relational);\n }\n }\n\n isContextual(name) {\n return this.match(types$1.name) && this.state.value\n === name && !this.state.containsEsc;\n }\n\n isUnparsedContextual(nameStart, name) {\n const nameEnd =\n nameStart + name.length;\n\n return this.input.slice(nameStart, nameEnd) === name && (nameEnd ===\n this.input.length || !isIdentifierChar(this.input.charCodeAtAt(nameEnd)));\n }\n\n isLookaheadContextual(name) {\n const next = this.nextTokenStart();\n\n return this.isUnparsedContextual(next, name);\n }\n\n eatContextual(name)\n {\n return this.isContextual(name) && this.eat(types$1.name);\n }\n\n expectContextual(name,\n
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template) {\n if (!this.eatContextual(name)) this.unexpected(null, template);\n } \n\n canInsertSemicolon() {\n
return this.match(types$1.eof) || this.match(types$1.braceR) || this.hasPrecedingLineBreak();\n } \n\n
hasPrecedingLineBreak() {\n return lineBreak.test(this.input.slice(this.state.lastTokEnd, this.state.start));\n } \n\n
hasFollowingLineBreak() {\n return lineBreak.test(this.input.slice(this.state.end, this.nextTokenStart()));\n } \n\n
isLineTerminator() {\n return this.eat(types$1.semi) || this.canInsertSemicolon();\n } \n\n semicolon(allowAsi =
true) {\n if (allowAsi ? this.isLineTerminator() : this.eat(types$1.semi)) return;\n this.raise(this.state.lastTokEnd,
ErrorMessages.MissingSemicolon);\n } \n\n expect(type, pos) {\n this.eat(type) || this.unexpected(pos, type);\n
} \n\n assertNoSpace(message = \"Unexpected space.\") {\n if (this.state.start > this.state.lastTokEnd) {\n
this.raise(this.state.lastTokEnd, {\n code:
ErrorCodes.SyntaxError,\n reasonCode: \"UnexpectedSpace\", \n template: message\n });\n } \n\n } \n\n
unexpected(pos, messageOrType = {\n code: ErrorCodes.SyntaxError,\n reasonCode: \"UnexpectedToken\", \n template: \"Unexpected token\", \n }) {\n if (messageOrType instanceof TokenType) {\n messageOrType = {\n
code: ErrorCodes.SyntaxError,\n reasonCode: \"UnexpectedToken\", \n template: `Unexpected token,
expected \"${messageOrType.label}\"`, \n }; \n } \n\n throw this.raise(pos != null ? pos : this.state.start,
messageOrType);\n } \n\n expectPlugin(name, pos) {\n if (!this.hasPlugin(name)) {\n throw
this.raiseWithData(pos != null ? pos : this.state.start, {\n missingPlugin: [name]\n }, `This experimental
syntax requires enabling the parser plugin: '${name}'`);\n } \n\n return true;\n } \n\n expectOnePlugin(names,
pos) {\n if (!names.some(n => this.hasPlugin(n))) {\n throw this.raiseWithData(pos
!= null ? pos : this.state.start, {\n missingPlugin: names\n }, `This experimental syntax requires enabling one
of the following parser plugin(s): ${names.join(\"\", \" \")}`);\n } \n\n } \n\n tryParse(fn, oldState = this.state.clone())
{\n const abortSignal = {\n node: null\n }; \n\n try {\n const node = fn((node = null) => {\n
abortSignal.node = node;\n throw abortSignal;\n }); \n\n if (this.state.errors.length >
oldState.errors.length) {\n const failState = this.state;\n this.state = oldState;\n this.state.tokensLength =
failState.tokensLength;\n return {\n node,\n error: failState.errors[oldState.errors.length], \n
thrown: false, \n aborted: false, \n failState\n }; \n } \n\n return {\n node, \n error: null, \n
thrown: false, \n aborted: false, \n failState: null\n }; \n } catch (error) {\n const
failState = this.state;\n this.state = oldState;\n\n if (error instanceof SyntaxError) {\n return {\n
node: null, \n error, \n thrown: true, \n aborted: false, \n failState\n }; \n } \n\n if (error
=== abortSignal) {\n return {\n node: abortSignal.node, \n error: null, \n thrown: false, \n
aborted: true, \n failState\n }; \n } \n\n throw error;\n } \n\n } \n\n
checkExpressionErrors(refExpressionErrors, andThrow) {\n if (!refExpressionErrors) return false;\n const {\n
shorthandAssign, \n doubleProto\n } = refExpressionErrors;\n if (!andThrow) return shorthandAssign >= 0 ||
doubleProto >= 0;\n\n if (shorthandAssign >= 0) {\n this.unexpected(shorthandAssign);\n } \n\n if
(doubleProto >= 0) {\n this.raise(doubleProto, ErrorMessages.DuplicateProto);\n } \n\n } \n\n
isLiteralPropertyName() {\n return this.match(types$1.name)
|| !!this.state.type.keyword || this.match(types$1.string) || this.match(types$1.num) || this.match(types$1.bigint) ||
this.match(types$1.decimal);\n } \n\n isPrivateName(node) {\n return node.type === \"PrivateName\";\n } \n\n
getPrivateNameSV(node) {\n return node.id.name;\n } \n\n hasPropertyAsPrivateName(node) {\n return
(node.type === \"MemberExpression\" || node.type === \"OptionalMemberExpression\") &&
this.isPrivateName(node.property);\n } \n\n isOptionalChain(node) {\n return node.type ===
\"OptionalMemberExpression\" || node.type === \"OptionalCallExpression\";\n } \n\n isObjectProperty(node) {\n
return node.type === \"ObjectProperty\";\n } \n\n isObjectMethod(node) {\n return node.type ===
\"ObjectMethod\";\n } \n\n initializeScopes(inModule = this.options.sourceType === \"module\") {\n const
oldLabels = this.state.labels;\n this.state.labels = [];\n const oldExportedIdentifiers =
this.state.exportedIdentifiers;\n this.state.exportedIdentifiers
= [];\n const oldInModule = this.inModule;\n this.inModule = inModule;\n const oldScope = this.scope;\n
const ScopeHandler = this.getScopeHandler();\n this.scope = new ScopeHandler(this.raise.bind(this),
this.inModule);\n const oldProdParam = this.prodParam;\n this.prodParam = new

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ProductionParameterHandler();\n const oldClassScope = this.classScope;\n this.classScope = new
ClassScopeHandler(this.raise.bind(this));\n const oldExpressionScope = this.expressionScope;\n
this.expressionScope = new ExpressionScopeHandler(this.raise.bind(this));\n return () => {\n this.state.labels =
oldLabels;\n this.state.exportedIdentifiers = oldExportedIdentifiers;\n this.inModule = oldInModule;\n
this.scope = oldScope;\n this.prodParam = oldProdParam;\n this.classScope = oldClassScope;\n
this.expressionScope = oldExpressionScope;\n };\n}\n\n enterInitialScopes() {\n let paramFlags =
PARAM;\n\n if (this.hasPlugin("topLevelAwait"))
 && this.inModule) {\n paramFlags |= PARAM_AWAIT;\n }\n\n this.scope.enter(SCOPE_PROGRAM);\n
this.prodParam.enter(paramFlags);\n}\n\n}\n\nclass ExpressionErrors {\n constructor() {\n this.shorthandAssign =
-1;\n this.doubleProto = -1;\n }\n}\n\nclass Node {\n constructor(parser, pos, loc) {\n this.type = void 0;\n
this.start = void 0;\n this.end = void 0;\n this.loc = void 0;\n this.range = void 0;\n this.leadingComments =
void 0;\n this.trailingComments = void 0;\n this.innerComments = void 0;\n this.extra = void 0;\n this.type =
"";\n this.start = pos;\n this.end = 0;\n this.loc = new SourceLocation(loc);\n if (parser != null &&
parser.options.ranges) this.range = [pos, 0];\n if (parser != null && parser.filename) this.loc.filename =
parser.filename;\n }\n\n __clone() {\n const newNode = new Node();\n const keys = Object.keys(this);\n\n for (let i = 0, length = keys.length;
i < length; i++) {\n const key = keys[i];\n\n if (key !== "leadingComments" && key !==
"trailingComments" && key !== "innerComments") {\n newNode[key] = this[key];\n }\n }\n\n return
newNode;\n }\n}\n\nclass NodeUtils extends UtilParser {\n startNode() {\n return new Node(this,
this.state.start, this.state.startLoc);\n }\n\n startNodeAt(pos, loc) {\n return new Node(this, pos, loc);\n }\n\n
startNodeAtNode(type) {\n return this.startNodeAt(type.start, type.loc.start);\n }\n\n finishNode(node, type) {\n
return this.finishNodeAt(node, type, this.state.lastTokEnd, this.state.lastTokEndLoc);\n }\n\n finishNodeAt(node,
type, pos, loc) {\n\n node.type = type;\n node.end = pos;\n node.loc.end = loc;\n if (this.options.ranges)
node.range[1] = pos;\n this.processComment(node);\n return node;\n }\n\n resetStartLocation(node, start,
startLoc) {\n node.start = start;\n node.loc.start = startLoc;\n if (this.options.ranges)
node.range[0] = start;\n }\n\n resetEndLocation(node, end = this.state.lastTokEnd, endLoc =
this.state.lastTokEndLoc) {\n node.end = end;\n node.loc.end = endLoc;\n if (this.options.ranges)
node.range[1] = end;\n }\n\n resetStartLocationFromNode(node, locationNode) {\n this.resetStartLocation(node,
locationNode.start, locationNode.loc.start);\n }\n}\n\nconst unwrapParenthesizedExpression = node => {\n return
node.type === "ParenthesizedExpression" ? unwrapParenthesizedExpression(node.expression) : node;\n};\n\nclass
LValParser extends NodeUtils {\n toAssignable(node, isLHS = false) {\n var _node$extra, _node$extra3;\n\n let parenthesized = undefined;\n\n if (node.type === "ParenthesizedExpression" || (_node$extra = node.extra) !=
null && _node$extra.parenthesized) {\n parenthesized = unwrapParenthesizedExpression(node);\n\n if
(isLHS) {\n if (parenthesized.type === "Identifier") {\n
this.expressionScope.recordParenthesizedIdentifierError(node.start,
ErrorMessages.InvalidParenthesizedAssignment);\n } else if (parenthesized.type !== "MemberExpression") {\n
this.raise(node.start, ErrorMessages.InvalidParenthesizedAssignment);\n }\n } else {\n
this.raise(node.start, ErrorMessages.InvalidParenthesizedAssignment);\n }\n }\n\n switch (node.type) {\n
case "Identifier":\n case "ObjectPattern":\n case "ArrayPattern":\n case "AssignmentPattern":\n break;\n\n case "ObjectExpression":\n node.type = "ObjectPattern";\n\n for (let i = 0, length =
node.properties.length, last = length - 1; i < length; i++) {\n var _node$extra2;\n\n const prop =
node.properties[i];\n const isLast = i === last;\n this.toAssignableObjectExpressionProp(prop, isLast,
isLHS);\n\n if (isLast && prop.type === "RestElement" && (_node$extra2 = node.extra) != null &&
_node$extra2.trailingComma) {\n this.raiseRestNotLast(node.extra.trailingComma);\n }\n }\n\n break;\n\n case
"ObjectProperty":\n this.toAssignable(node.value, isLHS);\n break;\n\n case "SpreadElement":\n {\n this.checkToRestConversion(node);\n node.type = "RestElement";\n const arg =
node.argument;\n this.toAssignable(arg, isLHS);\n break;\n }\n\n case "ArrayExpression":\n

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node.type = "ArrayPattern";\n this.toAssignableList(node.elements, (_node$extra3 = node.extra) == null ?
void 0 : _node$extra3.trailingComma, isLHS);\n break;\n\n case "AssignmentExpression":\n if
(node.operator !== "=") {\n this.raise(node.left.end, ErrorMessages.MissingEqInAssignment);\n }\n\n node.type = "AssignmentPattern";\n delete node.operator;\n this.toAssignable(node.left, isLHS);\n break;\n\n case "ParenthesizedExpression":\n this.toAssignable(parenthesized, isLHS);\n break;\n }\n\n return node;\n}\n\n
toAssignableObjectExpressionProp(prop, isLast, isLHS) {\n if (prop.type === "ObjectMethod") {\n const
error = prop.kind === "get" || prop.kind === "set" ? ErrorMessages.PatternHasAccessor :
ErrorMessages.PatternHasMethod;\n this.raise(prop.key.start, error);\n } else if (prop.type ===
"SpreadElement" && !isLast) {\n this.raiseRestNotLast(prop.start);\n } else {\n this.toAssignable(prop,
isLHS);\n }\n}\n\n toAssignableList(exprList, trailingCommaPos, isLHS) {\n let end = exprList.length;\n if (end) {\n const last = exprList[end - 1];\n if ((last == null ? void 0 : last.type) === "RestElement") {\n
--end;\n } else if ((last == null ? void 0 : last.type) === "SpreadElement") {\n last.type =
"RestElement";\n let arg = last.argument;\n this.toAssignable(arg, isLHS);\n arg = unwrapParenthesizedExpression(arg);\n if (arg.type !== "Identifier" && arg.type !==
"MemberExpression" && arg.type !== "ArrayPattern" && arg.type !== "ObjectPattern") {\n
this.unexpected(arg.start);\n }\n\n if (trailingCommaPos) {\n
this.raiseTrailingCommaAfterRest(trailingCommaPos);\n }\n\n --end;\n }\n }\n\n for (let i = 0; i <
end; i++) {\n const elt = exprList[i];\n if (elt) {\n this.toAssignable(elt, isLHS);\n if (elt.type ===
"RestElement") {\n this.raiseRestNotLast(elt.start);\n }\n }\n }\n\n return exprList;\n }\n\n toReferencedList(exprList, isParenthesizedExpr) {\n return exprList;\n }\n\n toReferencedListDeep(exprList,
isParenthesizedExpr) {\n this.toReferencedList(exprList, isParenthesizedExpr);\n for (const expr of exprList)
{\n if ((expr == null ? void 0 : expr.type) === "ArrayExpression") {\n
this.toReferencedListDeep(expr.elements);\n }\n }\n }\n\n parseSpread(refExpressionErrors, refNeedsArrowPos) {\n const node = this.startNode();\n this.next();\n node.argument = this.parseMaybeAssignAllowIn(refExpressionErrors, undefined,
refNeedsArrowPos);\n return this.finishNode(node, "SpreadElement");\n }\n\n parseRestBinding() {\n const
node = this.startNode();\n this.next();\n node.argument = this.parseBindingAtom();\n return
this.finishNode(node, "RestElement");\n }\n\n parseBindingAtom() {\n switch (this.state.type) {\n case
types$1.bracketL:\n {\n const node = this.startNode();\n this.next();\n node.elements =
this.parseBindingList(types$1.bracketR, 93, true);\n return this.finishNode(node, "ArrayPattern");\n }\n\n case types$1.braceL:\n return this.parseObjectLike(types$1.braceR, true);\n }\n\n return
this.parseIdentifier();\n }\n\n parseBindingList(close, closeCharCode,
allowEmpty, allowModifiers) {\n const elts = [];\n let first = true;\n while (!this.eat(close)) {\n if (first)
{\n first = false;\n } else {\n this.expect(types$1.comma);\n }\n\n if (allowEmpty &&
this.match(types$1.comma)) {\n elts.push(null);\n } else if (this.eat(close)) {\n break;\n } else if
(this.match(types$1.ellipsis)) {\n elts.push(this.parseAssignableListItemTypes(this.parseRestBinding()));\n this.checkCommaAfterRest(closeCharCode);\n this.expect(close);\n break;\n } else {\n const
decorators = [];\n if (this.match(types$1.at) && this.hasPlugin("decorators")) {\n
this.raise(this.state.start, ErrorMessages.UnsupportedParameterDecorator);\n }\n\n while
(this.match(types$1.at)) {\n decorators.push(this.parseDecorator());\n }\n\n elts.push(this.parseAssignableListItem(allowModifiers, decorators));\n }\n }\n\n return elts;\n }\n\n parseAssignableListItem(allowModifiers, decorators) {\n const left =
this.parseMaybeDefault();\n this.parseAssignableListItemTypes(left);\n const elt =
this.parseMaybeDefault(left.start, left.loc.start, left);\n if (decorators.length) {\n left.decorators =
decorators;\n }\n\n return elt;\n }\n\n parseAssignableListItemTypes(param) {\n return param;\n }\n\n parseMaybeDefault(startPos, startLoc, left) {\n var _startLoc, _startPos, _left;\n startLoc = (_startLoc =
startLoc) != null ? _startLoc : this.state.startLoc;\n startPos = (_startPos = startPos) != null ? _startPos :

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this.state.start;\n left = (_left = left) != null ? _left : this.parseBindingAtom();\n if (!this.eat(types$1.eq)) return
left;\n const node = this.startNodeAt(startPos, startLoc);\n node.left = left;\n node.right =
this.parseMaybeAssignAllowIn();\n return this.finishNode(node, \"AssignmentPattern\");\n}\n\ncheckLVal(expr, contextDescription,
 bindingType = BIND_NONE, checkClashes, disallowLetBinding, strictModeChanged = false) {\n switch
(expr.type) {\n case \"Identifier\":\n {\n const {name} = expr;\n if
(this.state.strict && (strictModeChanged ? isStrictBindReservedWord(name, this.inModule) :
isStrictBindOnlyReservedWord(name))) {\n this.raise(expr.start, bindingType === BIND_NONE ?
ErrorMessages.StrictEvalArguments : ErrorMessages.StrictEvalArgumentsBinding, name);\n }\n if
(checkClashes) {\n if (checkClashes.has(name)) {\n this.raise(expr.start,
ErrorMessages.ParamDupe);\n } else {\n checkClashes.add(name);\n }\n }\n if
(disallowLetBinding && name === \"let\") {\n this.raise(expr.start, ErrorMessages.LetInLexicalBinding);\n }\n if (!(bindingType & BIND_NONE)) {\n this.scope.declareName(name, bindingType,
expr.start);\n }\n break;\n }\n case \"MemberExpression\":\n {\n if (bindingType !==
BIND_NONE) {\n this.raise(expr.start, ErrorMessages.InvalidPropertyBindingPattern);\n }\n break;\n }\n case \"ObjectPattern\":\n {\n for (let prop of expr.properties) {\n if (this.isObjectProperty(prop))
prop = prop.value; else if (this.isObjectMethod(prop)) continue;\n this.checkLVal(prop, \"object destructuring
pattern\", bindingType, checkClashes, disallowLetBinding);\n }\n break;\n }\n case \"ArrayPattern\":\n {\n for (const elem of expr.elements) {\n if (elem) {\n this.checkLVal(elem, \"array destructuring
pattern\", bindingType, checkClashes, disallowLetBinding);\n }\n }\n break;\n }\n case
\"AssignmentPattern\":\n {\n this.checkLVal(expr.left, \"assignment pattern\", bindingType, checkClashes);\n break;\n }\n case \"RestElement\":\n {\n this.checkLVal(expr.argument, \"rest element\", bindingType, checkClashes);\n break;\n }\n case
\"ParenthesizedExpression\":\n {\n this.checkLVal(expr.expression, \"parenthesized expression\", bindingType,
checkClashes);\n break;\n }\n default:\n {\n this.raise(expr.start, bindingType === BIND_NONE ?
ErrorMessages.InvalidLhs : ErrorMessages.InvalidLhsBinding, contextDescription);\n }\n }\n}\n\ncheckToRestConversion(node) {\n if (node.argument.type !== \"Identifier\" && node.argument.type !==
\"MemberExpression\") {\n this.raise(node.argument.start, ErrorMessages.InvalidRestAssignmentPattern);\n }\n}\n\ncheckCommaAfterRest(close) {\n if (this.match(types$1.comma)) {\n if (this.lookaheadCharCode()
=== close) {\n this.raiseTrailingCommaAfterRest(this.state.start);\n } else {\n this.raiseRestNotLast(this.state.start);\n }\n }\n}\n\nraiseRestNotLast(pos) {\n throw
this.raise(pos, ErrorMessages.ElementAfterRest);\n}\n\nraiseTrailingCommaAfterRest(pos) {\n this.raise(pos,
ErrorMessages.RestTrailingComma);\n}\n\n}\n\nclass ExpressionParser extends LValParser {\n checkProto(prop,
isRecord, protoRef, refExpressionErrors) {\n if (prop.type === \"SpreadElement\" || this.isObjectMethod(prop) ||
prop.computed || prop.shorthand) {\n return;\n }\n const key = prop.key;\n const name = key.type ===
\"Identifier\" ? key.name : key.value;\n if (name === \"__proto__\") {\n if (isRecord) {\n this.raise(key.start, ErrorMessages.RecordNoProto);\n return;\n }\n if (protoRef.used) {\n if
(refExpressionErrors) {\n if (refExpressionErrors.doubleProto === -1) {\n refExpressionErrors.doubleProto = key.start;\n }\n }\n } else {\n this.raise(key.start,
ErrorMessages DuplicateProto);\n }\n }\n protoRef.used = true;\n }\n }\n\nshouldExitDescending(expr,
 potentialArrowAt) {\n return expr.type === \"ArrowFunctionExpression\" && expr.start ===
potentialArrowAt;\n }\n\n getExpression() {\n let paramFlags = PARAM;\n if
(this.hasPlugin(\"topLevelAwait\") && this.inModule) {\n paramFlags |= PARAM_AWAIT;\n }\n this.scope.enter(SCOPE_PROGRAM);\n this.prodParam.enter(paramFlags);\n this.nextToken();\n const expr
= this.parseExpression();\n if (!this.match(types$1.eof)) {\n this.unexpected();\n }\n expr.comments =
this.state.comments;\n expr.errors = this.state.errors;\n if (this.options.tokens) {\n expr.tokens =
this.tokens;\n }\n return expr;\n }\n\n parseExpression(disallowIn, refExpressionErrors) {\n if (disallowIn)

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{\n return this.disallowInAnd(() => this.parseExpressionBase(refExpressionErrors));\n } \n\n return
this.allowInAnd(() => this.parseExpressionBase(refExpressionErrors));\n } \n\n
parseExpressionBase(refExpressionErrors) {\n
 const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const expr =
this.parseMaybeAssign(refExpressionErrors);\n\n if (this.match(types$1.comma)) {\n const node =
this.startNodeAt(startPos, startLoc);\n node.expressions = [expr];\n\n while (this.eat(types$1.comma)) {\n
node.expressions.push(this.parseMaybeAssign(refExpressionErrors));\n }\n\n this.toReferencedList(node.expressions);\n return this.finishNode(node, "SequenceExpression");\n }\n\n return expr;\n } \n\n parseMaybeAssignDisallowIn(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n
return this.disallowInAnd(() => this.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos));\n
}\n\n parseMaybeAssignAllowIn(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n return
this.allowInAnd(() => this.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos));\n } \n\n
parseMaybeAssign(refExpressionErrors,
afterLeftParse, refNeedsArrowPos) {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n\n if (this.isContextual("yield")) {\n if (this.prodParam.hasYield) {\n this.state.exprAllowed = true;\n let
left = this.parseYield();\n\n if (afterLeftParse) {\n left = afterLeftParse.call(this, left, startPos, startLoc);\n
 }\n\n return left;\n }\n }\n\n let ownExpressionErrors;\n\n if (refExpressionErrors) {\n
ownExpressionErrors = false;\n } else {\n refExpressionErrors = new ExpressionErrors();\n
ownExpressionErrors = true;\n }\n\n if (this.match(types$1.parenL) || this.match(types$1.name)) {\n
this.state.potentialArrowAt = this.state.start;\n }\n\n let left = this.parseMaybeConditional(refExpressionErrors,
refNeedsArrowPos);\n\n if (afterLeftParse) {\n left = afterLeftParse.call(this, left, startPos, startLoc);\n }\n\n if (this.state.type.isAssign)
{\n const node = this.startNodeAt(startPos, startLoc);\n const operator = this.state.value;\n node.operator =
operator;\n\n if (this.match(types$1.eq)) {\n node.left = this.toAssignable(left, true);\n
refExpressionErrors.doubleProto = -1;\n } else {\n node.left = left;\n }\n\n if
(refExpressionErrors.shorthandAssign >= node.left.start) {\n refExpressionErrors.shorthandAssign = -1;\n
}\n\n this.checkLVal(left, "assignment expression");\n this.next();\n node.right =
this.parseMaybeAssign();\n return this.finishNode(node, "AssignmentExpression");\n } else if
(ownExpressionErrors) {\n this.checkExpressionErrors(refExpressionErrors, true);\n }\n\n return left;\n }\n\n
parseMaybeConditional(refExpressionErrors, refNeedsArrowPos) {\n const startPos = this.state.start;\n const
startLoc = this.state.startLoc;\n const potentialArrowAt = this.state.potentialArrowAt;\n const expr
= this.parseExprOps(refExpressionErrors);\n\n if (this.shouldExitDescending(expr, potentialArrowAt)) {\n
return expr;\n }\n\n return this.parseConditional(expr, startPos, startLoc, refNeedsArrowPos);\n }\n\n
parseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n if (this.eat(types$1.question)) {\n const node
= this.startNodeAt(startPos, startLoc);\n node.test = expr;\n node.consequent =
this.parseMaybeAssignAllowIn();\n this.expect(types$1.colon);\n node.alternate =
this.parseMaybeAssign();\n return this.finishNode(node, "ConditionalExpression");\n }\n\n return expr;\n
}\n\n parseExprOps(refExpressionErrors) {\n const startPos = this.state.start;\n const startLoc =
this.state.startLoc;\n const potentialArrowAt = this.state.potentialArrowAt;\n const expr =
this.parseMaybeUnary(refExpressionErrors);\n\n if (this.shouldExitDescending(expr, potentialArrowAt)) {\n
return expr;\n }\n\n return this.parseExprOp(expr,
startPos, startLoc, -1);\n }\n\n parseExprOp(left, leftStartPos, leftStartLoc, minPrec) {\n let prec =
this.state.type.binop;\n\n if (prec !== null && (this.prodParam.hasIn || !this.match(types$1._in))) {\n if (prec >
minPrec) {\n const op = this.state.type;\n\n if (op === types$1.pipeline) {\n
this.expectPlugin("pipelineOperator");\n\n if (this.state.inFSharpPipelineDirectBody) {\n return left;\n
 }\n\n this.state.inPipeline = true;\n this.checkPipelineAtInfixOperator(left, leftStartPos);\n }\n\n const node = this.startNodeAt(leftStartPos, leftStartLoc);\n node.left = left;\n node.operator =
this.state.value;\n const logical = op === types$1.logicalOR || op === types$1.logicalAND;\n const

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coalesce = op === types$1.nullishCoalescing;\n\n if (coalesce) {\n prec = types$1.logicalAND.binop;\n }\n\n this.next();\n\n if (op === types$1.pipeline && this.getPluginOption(\"pipelineOperator\", \"proposal\") === \"minimal\") {\n if (this.match(types$1.name) && this.state.value === \"await\" && this.prodParam.hasAwait) {\n throw\n this.raise(this.state.start, ErrorMessages.UnexpectedAwaitAfterPipelineBody);\n }\n node.right\n = this.parseExprOpRightExpr(op, prec);\n this.finishNode(node, logical || coalesce ? \"LogicalExpression\" :\n \"BinaryExpression\");\n const nextOp = this.state.type;\n if (coalesce && (nextOp ===\n types$1.logicalOR || nextOp === types$1.logicalAND) || logical && nextOp === types$1.nullishCoalescing) {\n throw this.raise(this.state.start, ErrorMessages.MixingCoalesceWithLogical);\n }\n return\n this.parseExprOp(node, leftStartPos, leftStartLoc, minPrec);\n }\n\n return left;\n\n parseExprOpRightExpr(op, prec) {\n const startPos = this.state.start;\n const startLoc\n = this.state.startLoc;\n switch (op) {\n case types$1.pipeline:\n switch\n (this.getPluginOption(\"pipelineOperator\", \"proposal\")) {\n case \"smart\":\n return\n this.withTopicPermittingContext(() => {\n return\n this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(op, prec), startPos, startLoc);\n });\n case \"fsharp\":\n return this.withSoloAwaitPermittingContext(() => {\n return\n this.parseFSharpPipelineBody(prec);\n });\n default:\n return\n this.parseExprOpBaseRightExpr(op, prec);\n }\n }\n }\n parseExprOpBaseRightExpr(op, prec) {\n const startPos\n = this.state.start;\n const startLoc = this.state.startLoc;\n return this.parseExprOp(this.parseMaybeUnary(),\n startPos, startLoc, op.rightAssociative ? prec - 1 : prec);\n }\n checkExponentialAfterUnary(node) {\n if\n (this.match(types$1.exponent)) {\n this.raise(node.argument.start,\n ErrorMessages.UnexpectedTokenUnaryExponentiation);\n }\n }\n parseMaybeUnary(refExpressionErrors,\n sawUnary) {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const isAwait =\n this.isContextual(\"await\");\n if (isAwait && this.isAwaitAllowed()) {\n this.next();\n const expr =\n this.parseAwait(startPos, startLoc);\n if (!sawUnary) this.checkExponentialAfterUnary(expr);\n return expr;\n }\n if (this.isContextual(\"module\") && this.lookaheadCharCode() === 123 &&\n !this.hasFollowingLineBreak()) {\n return this.parseModuleExpression();\n }\n const update =\n this.match(types$1.incDec);\n const node = this.startNode();\n if (this.state.type.prefix) {\n node.operator =\n this.state.value;\n node.prefix = true;\n if (this.match(types$1._throw)) {\n this.expectPlugin(\"throwExpressions\");\n }\n const isDelete = this.match(types$1._delete);\n this.next();\n\n node.argument = this.parseMaybeUnary(null, true);\n this.checkExpressionErrors(refExpressionErrors,\n true);\n if (this.state.strict && isDelete) {\n const arg = node.argument;\n if (arg.type ===\n \"Identifier\") {\n this.raise(node.start, ErrorMessages.StrictDelete);\n } else if\n (this.hasPropertyAsPrivateName(arg)) {\n this.raise(node.start, ErrorMessages.DeletePrivateField);\n }\n }\n if (!update) {\n if (!sawUnary) this.checkExponentialAfterUnary(node);\n return\n this.finishNode(node, \"UnaryExpression\");\n }\n const expr = this.parseUpdate(node, update,\n refExpressionErrors);\n if (isAwait) {\n const startsExpr = this.hasPlugin(\"v8intrinsic\") ?\n this.state.type.startsExpr : this.state.type.startsExpr && !this.match(types$1.modulo);\n if (startsExpr &&\n !this.isAmbiguousAwait()) {\n this.raiseOverwrite(startPos, this.hasPlugin(\"topLevelAwait\") ?\n ErrorMessages.AwaitNotInAsyncContext\n : ErrorMessages.AwaitNotInAsyncFunction);\n }\n return this.parseAwait(startPos, startLoc);\n }\n return expr;\n }\n parseUpdate(node, update, refExpressionErrors) {\n if (update) {\n this.checkLVal(node.argument, \"prefix operation\");\n return this.finishNode(node, \"UpdateExpression\");\n }\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n let expr =\n this.parseExprSubscripts(refExpressionErrors);\n if (this.checkExpressionErrors(refExpressionErrors, false))\n return expr;\n while (this.state.type.postfix && !this.canInsertSemicolon()) {\n const node =\n this.startNodeAt(startPos, startLoc);\n node.operator = this.state.value;\n node.prefix = false;\n
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node.argument = expr;\n this.checkLVal(expr, \"postfix operation\");\n this.next();\n expr =
this.finishNode(node, \"UpdateExpression\");\n }\n\n return expr;\n }\n\n parseExprSubscripts(refExpressionErrors)
{\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const potentialArrowAt =
this.state.potentialArrowAt;\n const expr = this.parseExprAtom(refExpressionErrors);\n\n if
(this.shouldExitDescending(expr, potentialArrowAt)) {\n return expr;\n }\n\n return
this.parseSubscripts(expr, startPos, startLoc);\n }\n\n parseSubscripts(base, startPos, startLoc, noCalls) {\n const
state = {\n optionalChainMember: false,\n maybeAsyncArrow: this.atPossibleAsyncArrow(base),\n stop:
false\n };\n\n do {\n base = this.parseSubscript(base, startPos, startLoc, noCalls, state);\n
state.maybeAsyncArrow = false;\n } while (!state.stop);\n\n return base;\n }\n\n parseSubscript(base, startPos,
startLoc, noCalls, state) {\n if (!noCalls && this.eat(types$1.doubleColon)) {\n return this.parseBind(base,
startPos, startLoc, noCalls, state);\n } else if (this.match(types$1.backQuote)) {\n
return this.parseTaggedTemplateExpression(base, startPos, startLoc, state);\n }\n\n let optional = false;\n\n if (this.match(types$1.questionDot)) {\n if (noCalls && this.lookaheadCharCode() === 40) {\n state.stop =
true;\n return base;\n }\n\n state.optionalChainMember = optional = true;\n this.next();\n }\n\n if
(!noCalls && this.match(types$1.parenL)) {\n return this.parseCoverCallAndAsyncArrowHead(base, startPos,
startLoc, state, optional);\n } else if (optional || this.match(types$1.bracketL) || this.eat(types$1.dot)) {\n return
this.parseMember(base, startPos, startLoc, state, optional);\n } else {\n state.stop = true;\n return base;\n
}\n }\n\n parseMember(base, startPos, startLoc, state, optional) {\n const node = this.startNodeAt(startPos,
startLoc);\n const computed = this.eat(types$1.bracketL);\n node.object = base;\n node.computed =
computed;\n const privateName = !computed
&& this.match(types$1.privateName) && this.state.value;\n const property = computed ? this.parseExpression() :
privateName ? this.parsePrivateName() : this.parseIdentifier(true);\n\n if (privateName !== false) {\n if
(node.object.type === \"Super\") {\n this.raise(startPos, ErrorMessages.SuperPrivateField);\n }\n\n this.classScope.usePrivateName(privateName, property.start);\n }\n\n node.property = property;\n\n if
(computed) {\n this.expect(types$1.bracketR);\n }\n\n if (state.optionalChainMember) {\n node.optional =
optional;\n return this.finishNode(node, \"OptionalMemberExpression\");\n } else {\n return
this.finishNode(node, \"MemberExpression\");\n }\n }\n\n parseBind(base, startPos, startLoc, noCalls, state) {\n
const node = this.startNodeAt(startPos, startLoc);\n node.object = base;\n node.callee =
this.parseNoCallExpr();\n state.stop = true;\n return this.parseSubscripts(this.finishNode(node,
\"BindExpression\"), startPos, startLoc, noCalls);\n }\n\n parseCoverCallAndAsyncArrowHead(base, startPos,
startLoc, state, optional) {\n const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n this.state.maybeInArrowParameters = true;\n this.next();\n let node = this.startNodeAt(startPos, startLoc);\n node.callee = base;\n\n if (state.maybeAsyncArrow) {\n
this.expressionScope.enter(new AsyncArrowScope());\n }\n\n if (state.optionalChainMember) {\n node.optional = optional;\n }\n\n if (optional) {\n node.arguments =
this.parseCallExpressionArguments(types$1.parenR, false);\n } else {\n node.arguments =
this.parseCallExpressionArguments(types$1.parenR, state.maybeAsyncArrow, base.type === \"Import\", base.type
!== \"Super\", node);\n }\n\n this.finishCallExpression(node, state.optionalChainMember);\n\n if
(state.maybeAsyncArrow && this.shouldParseAsyncArrow() && !optional) {\n state.stop = true;\n
this.expressionScope.validateAsPattern();\n this.expressionScope.exit();\n node =
this.parseAsyncArrowFromCallExpression(this.startNodeAt(startPos, startLoc), node);\n } else {\n if
(state.maybeAsyncArrow) {\n this.expressionScope.exit();\n }\n\n this.toReferencedArguments(node);\n
}\n\n this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n return node;\n }\n\n toReferencedArguments(node, isParenthesizedExpr) {\n this.toReferencedListDeep(node.arguments,
isParenthesizedExpr);\n }\n\n parseTaggedTemplateExpression(base, startPos, startLoc, state) {\n const node =
this.startNodeAt(startPos, startLoc);\n node.tag = base;\n node.quasi = this.parseTemplate(true);\n\n if
(state.optionalChainMember) {\n this.raise(startPos, ErrorMessages.OptionalChainingNoTemplate);\n }\n\n

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return this.finishNode(node, \"TaggedTemplateExpression\");\n }\n\n atPossibleAsyncArrow(base) {\n return
base.type === \"Identifier\"
 && base.name === \"async\" && this.state.lastTokEnd === base.end && !this.canInsertSemicolon() && base.end
- base.start === 5 && base.start === this.state.potentialArrowAt;\n }\n\n finishCallExpression(node, optional) {\n
if (node.callee.type === \"Import\") {\n if (node.arguments.length === 2) {\n {\n if
(!this.hasPlugin(\"moduleAttributes\")) {\n this.expectPlugin(\"importAssertions\");\n }\n }\n }\n if (node.arguments.length === 0 || node.arguments.length > 2) {\n this.raise(node.start,
ErrorMessages.ImportCallArity, this.hasPlugin(\"importAssertions\") || this.hasPlugin(\"moduleAttributes\") ? \"one
or two arguments\" : \"one argument\");\n } else {\n for (const arg of node.arguments) {\n if (arg.type
=== \"SpreadElement\") {\n this.raise(arg.start, ErrorMessages.ImportCallSpreadArgument);\n }\n }\n }\n return this.finishNode(node, optional ?
\"OptionalCallExpression\" : \"CallExpression\");\n }\n\n parseCallExpressionArguments(close,
possibleAsyncArrow, dynamicImport, allowPlaceholder, nodeForExtra) {\n const elts = [];\n let first = true;\n const oldInFSHarpPipelineDirectBody = this.state.inFSHarpPipelineDirectBody;\n
this.state.inFSHarpPipelineDirectBody = false;\n while (!this.eat(close)) {\n if (first) {\n first = false;\n } else {\n this.expect(types$1.comma);\n if (this.match(close)) {\n if (dynamicImport &&
!this.hasPlugin(\"importAssertions\") && !this.hasPlugin(\"moduleAttributes\")) {\n this.raise(this.state.lastTokStart, ErrorMessages.ImportCallArgumentTrailingComma);\n }\n if
(nodeForExtra) {\n this.addExtra(nodeForExtra, \"trailingComma\", this.state.lastTokStart);\n }\n this.next();\n break;\n }\n }\n elts.push(this.parseExprListItem(false, possibleAsyncArrow ?
new ExpressionErrors() : undefined, possibleAsyncArrow ? {\n start: 0\n } : undefined,
allowPlaceholder));\n }\n this.state.inFSHarpPipelineDirectBody = oldInFSHarpPipelineDirectBody;\n return
elts;\n }\n\n shouldParseAsyncArrow() {\n return this.match(types$1.arrow) && !this.canInsertSemicolon();\n }\n\n parseAsyncArrowFromCallExpression(node, call) {\n var _call$extra;\n this.expect(types$1.arrow);\n
this.parseArrowExpression(node, call.arguments, true, (_call$extra = call.extra) == null ? void 0 :
_call$extra.trailingComma);\n return node;\n }\n\n parseNoCallExpr() {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n return this.parseSubscripts(this.parseExprAtom(), startPos, startLoc, true);\n }\n\n parseExprAtom(refExpressionErrors) {\n if (this.state.type === types$1.slash) this.readRegexp();\n const
canBeArrow = this.state.potentialArrowAt === this.state.start;\n let node;\n switch
(this.state.type) {\n case types$1._super:\n return this.parseSuper();\n case types$1._import:\n node
= this.startNode();\n this.next();\n if (this.match(types$1.dot)) {\n return
this.parseImportMetaProperty(node);\n }\n if (!this.match(types$1.parenL)) {\n this.raise(this.state.lastTokStart, ErrorMessages.UnsupportedImport);\n }\n return this.finishNode(node,
\"Import\");\n case types$1._this:\n node = this.startNode();\n this.next();\n return
this.finishNode(node, \"ThisExpression\");\n case types$1.name:\n {\n const containsEsc =
this.state.containsEsc;\n const id = this.parseIdentifier();\n if (!containsEsc && id.name === \"async\"
&& !this.canInsertSemicolon()) {\n if (this.match(types$1._function)) {\n const last =
this.state.context.length - 1;\n if (this.state.context[last] !==
types.functionStatement) {\n throw new Error(\"Internal error\");\n }\n this.state.context[last] = types.functionExpression;\n this.next();\n return
this.parseFunction(this.startNodeAtNode(id), undefined, true);\n } else if (this.match(types$1.name)) {\n if (this.lookaheadCharCode() === 61) {\n return this.parseAsyncArrowUnaryFunction(id);\n }\n } else {\n return id;\n }\n } else if (this.match(types$1._do)) {\n return
this.parseDo(true);\n }\n }\n if (canBeArrow && this.match(types$1.arrow) &&
!this.canInsertSemicolon()) {\n this.next();\n return
this.parseArrowExpression(this.startNodeAtNode(id), [id], false);\n }\n return id;\n }\n case
types$1._do:\n {\n return this.parseDo(false);\n }\n case types$1.regexp:\n

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 const value = this.state.value; \n
 node = this.parseLiteral(value, value, \"RegExpLiteral\"); \n
 node.pattern = value.pattern; \n
 node.flags = value.flags; \n
 return node; \n
 } \n \n
 case
types$1.num: \n
 return this.parseLiteral(this.state.value, \"NumericLiteral\"); \n \n
case types$1.bigint: \n
return this.parseLiteral(this.state.value, \"BigIntLiteral\"); \n \n
case types$1.decimal: \n
 return
this.parseLiteral(this.state.value, \"DecimalLiteral\"); \n \n
case types$1.string: \n
 return
this.parseLiteral(this.state.value, \"StringLiteral\"); \n \n
case types$1._null: \n
 node = this.startNode(); \n
this.next(); \n
 return this.finishNode(node, \"NullLiteral\"); \n \n
case types$1._true: \n
 case
types$1._false: \n
 return this.parseBooleanLiteral(); \n \n
case types$1.parenL: \n
 return
this.parseParenAndDistinguishExpression(canBeArrow); \n \n
 case types$1.bracketBarL: \n
 case types$1.bracketHashL: \n
 { \n
 return
this.parseArrayLike(this.state.type === types$1.bracketBarL ? types$1.bracketBarR : types$1.bracketR, false, true,
refExpressionErrors); \n
 } \n \n
 case types$1.bracketL: \n
 { \n
 return
this.parseArrayLike(types$1.bracketR, true, false, refExpressionErrors); \n
 } \n \n
 case types$1.braceBarL: \n
 case types$1.braceHashL: \n
 { \n
 return this.parseObjectLike(this.state.type === types$1.braceBarL ?
types$1.braceBarR : types$1.braceR, false, true, refExpressionErrors); \n
 } \n \n
 case types$1.braceL: \n
 { \n
 return this.parseObjectLike(types$1.braceR, false, false, refExpressionErrors); \n
 } \n \n
 case
types$1._function: \n
 return this.parseFunctionOrFunctionSent(); \n \n
case types$1.at: \n
this.parseDecorators(); \n \n
case types$1._class: \n
 node = this.startNode(); \n
 this.takeDecorators(node); \n
 return this.parseClass(node, false); \n \n
case types$1._new: \n
 return this.parseNewOrNewTarget(); \n \n
case types$1.backQuote: \n
 return this.parseTemplate(false); \n \n
case types$1.doubleColon: \n
 { \n
node = this.startNode(); \n
this.next(); \n
node.object = null; \n
const callee = node.callee =
this.parseNoCallExpr(); \n
if (callee.type === \"MemberExpression\") { \n
 return this.finishNode(node,
\"BindExpression\"); \n
} else { \n
 throw this.raise(callee.start, ErrorMessages.UnsupportedBind); \n
} \n
} \n \n
case types$1.privateName: \n
 { \n
const start = this.state.start; \n
const value =
this.state.value; \n
node = this.parsePrivateName(); \n
if (this.match(types$1._in)) { \n
this.expectPlugin(\"privateIn\"); \n
this.classScope.usePrivateName(value, node.start); \n
} else if
(this.hasPlugin(\"privateIn\"))
{ \n
this.raise(this.state.start, ErrorMessages.PrivateInExpectedIn, value); \n
} else { \n
throw
this.unexpected(start); \n
} \n \n
return node; \n
} \n \n
case types$1.hash: \n
 { \n
if
(this.state.inPipeline) { \n
node = this.startNode(); \n
if (this.getPluginOption(\"pipelineOperator\",
\"proposal\") !== \"smart\") { \n
this.raise(node.start, ErrorMessages.PrimaryTopicRequiresSmartPipeline); \n
} \n \n
this.next(); \n
if (!this.primaryTopicReferenceIsAllowedInCurrentTopicContext()) { \n
this.raise(node.start, ErrorMessages.PrimaryTopicNotAllowed); \n
} \n \n
this.registerTopicReference(); \n
return this.finishNode(node, \"PipelinePrimaryTopicReference\"); \n
} \n \n
case types$1.relational: \n
 { \n
if (this.state.value === \"<\") { \n
const lookaheadCh
= this.input.codePointAt(this.nextTokenStart()); \n
if (isIdentifierStart(lookaheadCh) || lookaheadCh ===
62) { \n
this.expectOnePlugin([\"jsx\", \"flow\", \"typescript\"]); \n
} \n
} \n
} \n \n
default: \n
 throw this.unexpected(); \n
} \n
} \n \n
parseAsyncArrowUnaryFunction(id) { \n
const node =
this.startNodeAtNode(id); \n
this.prodParam.enter(functionFlags(true, this.prodParam.hasYield)); \n
const params
= [this.parseIdentifier()]; \n
this.prodParam.exit(); \n \n
if (this.hasPrecedingLineBreak()) { \n
this.raise(this.state.pos, ErrorMessages.LineTerminatorBeforeArrow); \n
} \n \n
this.expect(types$1.arrow); \n
this.parseArrowExpression(node, params, true); \n
return node; \n
} \n \n
parseDo(isAsync) { \n
this.expectPlugin(\"doExpressions\"); \n \n
if (isAsync) { \n
this.expectPlugin(\"asyncDoExpressions\"); \n
} \n \n
const node = this.startNode(); \n
node.async = isAsync; \n
this.next(); \n
const oldLabels = this.state.labels; \n
this.state.labels = []; \n \n
if (isAsync) { \n
this.prodParam.enter(PARAM_AWAIT); \n
node.body = this.parseBlock(); \n
this.prodParam.exit(); \n
} else
{ \n
node.body = this.parseBlock(); \n
} \n \n
this.state.labels = oldLabels; \n
return this.finishNode(node,
\"DoExpression\"); \n
} \n \n
parseSuper() { \n
const node = this.startNode(); \n
this.next(); \n \n
if

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(this.match(types$1.parenL) && !this.scope.allowDirectSuper && !this.options.allowSuperOutsideMethod) {\n
 this.raise(node.start, ErrorMessages.SuperNotAllowed);\n } else if (!this.scope.allowSuper &&
 !this.options.allowSuperOutsideMethod) {\n this.raise(node.start, ErrorMessages.UnexpectedSuper);\n }\n\n
if (!this.match(types$1.parenL) && !this.match(types$1.bracketL) && !this.match(types$1.dot)) {\n
 this.raise(node.start, ErrorMessages.UnsupportedSuper);\n }\n\n return this.finishNode(node, \"Super\");\n }\n\n
parseBooleanLiteral() {\n const node = this.startNode();\n node.value = this.match(types$1._true);\n this.next();\n return this.finishNode(node, \"BooleanLiteral\");\n }\n\n
parseMaybePrivateName(isPrivateNameAllowed) {\n const isPrivate = this.match(types$1.privateName);\n if (isPrivate) {\n if (!isPrivateNameAllowed) {\n this.raise(this.state.start + 1,
 ErrorMessages.UnexpectedPrivateField);\n }\n return this.parsePrivateName();\n } else {\n return
 this.parseIdentifier(true);\n }\n }\n\n
parsePrivateName() {\n const node = this.startNode();\n const id =
 this.startNodeAt(this.state.start + 1, new Position(this.state.curLine, this.state.start + 1 - this.state.lineStart));\n
 const name = this.state.value;\n this.next();\n node.id = this.createIdentifier(id, name);\n return
 this.finishNode(node, \"PrivateName\");\n }\n\n
parseFunctionOrFunctionSent() {\n const node =
 this.startNode();\n this.next();\n\n if (this.prodParam.hasYield && this.match(types$1.dot)) {\n const meta =
 this.createIdentifier(this.startNodeAtNode(node), \"function\");\n this.next();\n return
 this.parseMetaProperty(node, meta, \"sent\");\n }\n\n return this.parseFunction(node);\n }\n\n
parseMetaProperty(node, meta, propertyName) {\n node.meta = meta;\n if (meta.name === \"function\" &&
 propertyName === \"sent\") {\n if (this.isContextual(propertyName)) {\n this.expectPlugin(\"functionSent\");\n } else if (!this.hasPlugin(\"functionSent\")) {\n this.unexpected();\n }\n }\n\n const containsEsc = this.state.containsEsc;\n node.property = this.parseIdentifier(true);\n if
 (node.property.name !== propertyName || containsEsc) {\n this.raise(node.property.start,
 ErrorMessages.UnsupportedMetaProperty, meta.name, propertyName);\n }\n\n return this.finishNode(node,
 \"MetaProperty\");\n }\n\n
parseImportMetaProperty(node) {\n const
 id = this.createIdentifier(this.startNodeAtNode(node), \"import\");\n this.next();\n\n if
 (this.isContextual(\"meta\")) {\n if (!this.inModule) {\n this.raise(id.start,
 SourceTypeModuleErrorMessages.ImportMetaOutsideModule);\n }\n this.sawUnambiguousESM = true;\n }\n\n return this.parseMetaProperty(node, id, \"meta\");\n }\n\n
parseLiteral(value, type, startPos, startLoc) {\n startPos = startPos || this.state.start;\n startLoc = startLoc || this.state.startLoc;\n const node =
 this.startNodeAt(startPos, startLoc);\n this.addExtra(node, \"rawValue\", value);\n this.addExtra(node, \"raw\",
 this.input.slice(startPos, this.state.end));\n node.value = value;\n this.next();\n return this.finishNode(node,
 type);\n }\n\n
parseParenAndDistinguishExpression(canBeArrow) {\n const startPos = this.state.start;\n const
 startLoc = this.state.startLoc;\n let val;\n this.next();\n this.expressionScope.enter(new ArrowHeadScope());\n\n const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n const
 oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;\n this.state.maybeInArrowParameters =
 true;\n this.state.inFSharpPipelineDirectBody = false;\n const innerStartPos = this.state.start;\n const
 innerStartLoc = this.state.startLoc;\n const exprList = [];\n const refExpressionErrors = new
 ExpressionErrors();\n const refNeedsArrowPos = {\n start: 0\n };\n let first = true;\n let spreadStart;\n let optionalCommaStart;\n\n while (!this.match(types$1.parenR)) {\n if (first) {\n first = false;\n } else {\n this.expect(types$1.comma, refNeedsArrowPos.start || null);\n }\n if (this.match(types$1.parenR)) {\n optionalCommaStart = this.state.start;\n break;\n }\n }\n\n if (this.match(types$1.ellipsis)) {\n const spreadNodeStartPos = this.state.start;\n const spreadNodeStartLoc =
 = this.state.startLoc;\n spreadStart = this.state.start;\n\n exprList.push(this.parseParenItem(this.parseRestBinding(), spreadNodeStartPos, spreadNodeStartLoc));\n this.checkCommaAfterRest(41);\n break;\n } else {\n exprList.push(this.parseMaybeAssignAllowIn(refExpressionErrors, this.parseParenItem, refNeedsArrowPos));\n }\n }\n\n const innerEndPos = this.state.lastTokEnd;\n const innerEndLoc = this.state.lastTokEndLoc;\n

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this.expect(types$1.parenR);\n this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n
this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n let arrowNode =
this.startNodeAt(startPos, startLoc);\n\n if (canBeArrow && this.shouldParseArrow() && (arrowNode =
this.parseArrow(arrowNode))) {\n this.expressionScope.validateAsPattern();\n this.expressionScope.exit();\n this.parseArrowExpression(arrowNode, exprList, false);\n return arrowNode;\n }\n\n this.expressionScope.exit();\n\n if (!exprList.length) {\n this.unexpected(this.state.lastTokStart);\n }\n\n if
(optionalCommaStart) this.unexpected(optionalCommaStart);\n if (spreadStart) this.unexpected(spreadStart);\n
this.checkExpressionErrors(refExpressionErrors, true);\n if (refNeedsArrowPos.start)
this.unexpected(refNeedsArrowPos.start);\n this.toReferencedListDeep(exprList, true);\n\n if (exprList.length >
1) {\n val = this.startNodeAt(innerStartPos, innerStartLoc);\n val.expressions = exprList;\n
this.finishNodeAt(val, "SequenceExpression", innerEndPos, innerEndLoc);\n } else {\n val = exprList[0];\n
}\n\n if (!this.options.createParenthesizedExpressions) {\n this.addExtra(val, "parenthesized", true);\n
this.addExtra(val, "parenStart", startPos);\n return val;\n }\n\n const parenExpression =
this.startNodeAt(startPos, startLoc);\n parenExpression.expression = val;\n this.finishNode(parenExpression,
"ParenthesizedExpression");\n return parenExpression;\n }\n\n shouldParseArrow() {\n return
!this.canInsertSemicolon();\n }\n\n parseArrow(node) {\n if (this.eat(types$1.arrow)) {\n return node;\n }\n
}\n\n parseParenItem(node, startPos, startLoc) {\n return node;\n }\n\n parseNewOrNewTarget() {\n const
node = this.startNode();\n this.next();\n\n if (this.match(types$1.dot)) {\n const meta =
this.createIdentifier(this.startNodeAtNode(node), "new");\n this.next();\n const metaProp =
this.parseMetaProperty(node, meta, "target");\n\n if (!this.scope.inNonArrowFunction && !this.scope.inClass)
{\n this.raise(metaProp.start, ErrorMessages.UnexpectedNewTarget);\n }\n\n return metaProp;\n }\n\n
return this.parseNew(node);\n }\n\n parseNew(node) {\n node.callee = this.parseNoCallExpr();\n\n if
(node.callee.type === "Import") {\n this.raise(node.callee.start,
ErrorMessages.ImportCallNotNewExpression);\n\n } else if (this.isOptionalChain(node.callee)) {\n this.raise(this.state.lastTokEnd,
ErrorMessages.OptionalChainingNoNew);\n } else if (this.eat(types$1.questionDot)) {\n
this.raise(this.state.start, ErrorMessages.OptionalChainingNoNew);\n }\n\n this.parseNewArguments(node);\n
return this.finishNode(node, "NewExpression");\n }\n\n parseNewArguments(node) {\n if
(this.eat(types$1.parenL)) {\n const args = this.parseExprList(types$1.parenR);\n
this.toReferencedList(args);\n node.arguments = args;\n } else {\n node.arguments = [];\n }\n }\n\n
parseTemplateElement(isTagged) {\n const elem = this.startNode();\n\n if (this.state.value === null) {\n if
(!isTagged) {\n this.raise(this.state.start + 1, ErrorMessages.InvalidEscapeSequenceTemplate);\n }\n }\n\n
elem.value = {\n raw: this.input.slice(this.state.start, this.state.end).replace(/\\r\\n?/g, "\\n"),\n cooked:
this.state.value\n };\n\n this.next();\n elem.tail = this.match(types$1.backQuote);\n return this.finishNode(elem,
"TemplateElement");\n }\n\n parseTemplate(isTagged) {\n const node = this.startNode();\n this.next();\n
node.expressions = [];\n let curElt = this.parseTemplateElement(isTagged);\n node.quasis = [curElt];\n\n while
(!curElt.tail) {\n this.expect(types$1.dollarBraceL);\n
node.expressions.push(this.parseTemplateSubstitution());\n this.expect(types$1.braceR);\n
node.quasis.push(curElt = this.parseTemplateElement(isTagged));\n }\n\n this.next();\n return
this.finishNode(node, "TemplateLiteral");\n }\n\n parseTemplateSubstitution() {\n return
this.parseExpression();\n }\n\n parseObjectLike(close, isPattern, isRecord, refExpressionErrors) {\n if (isRecord)
{\n this.expectPlugin("recordAndTuple");\n }\n\n const oldInFSharpPipelineDirectBody =
this.state.inFSharpPipelineDirectBody;\n this.state.inFSharpPipelineDirectBody
= false;\n const propHash = Object.create(null);\n let first = true;\n const node = this.startNode();\n
node.properties = [];\n this.next();\n\n while (!this.match(close)) {\n if (first) {\n first = false;\n } else
{\n this.expect(types$1.comma);\n\n if (this.match(close)) {\n this.addExtra(node, "trailingComma",
this.state.lastTokStart);\n break;\n }\n }\n\n const prop = this.parsePropertyDefinition(isPattern,

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refExpressionErrors);\n\n if (!isPattern) {\n this.checkProto(prop, isRecord, propHash,
refExpressionErrors);\n }\n\n if (isRecord && !this.isObjectProperty(prop) && prop.type !==
\"SpreadElement\") {\n this.raise(prop.start, ErrorMessages.InvalidRecordProperty);\n }\n\n if
(prop.shorthand) {\n this.addExtra(prop, \"shorthand\", true);\n }\n\n node.properties.push(prop);\n}\n\n this.state.exprAllowed = false;\n\n this.next();\n this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n let type =
\"ObjectExpression\";\n\n if (isPattern) {\n type = \"ObjectPattern\";\n } else if (isRecord) {\n type =
\"RecordExpression\";\n }\n\n return this.finishNode(node, type);\n}\n\n maybeAsyncOrAccessorProp(prop)
{\n return !prop.computed && prop.key.type === \"Identifier\" && (this.isLiteralPropertyName() ||
this.match(types$1.bracketL) || this.match(types$1.star));\n}\n\n parsePropertyDefinition(isPattern,
refExpressionErrors) {\n let decorators = [];\n\n if (this.match(types$1.at)) {\n if
(this.hasPlugin(\"decorators\")) {\n this.raise(this.state.start, ErrorMessages.UnsupportedPropertyDecorator);\n
 }\n\n while (this.match(types$1.at)) {\n decorators.push(this.parseDecorator());\n }\n }\n\n const
prop = this.startNode();\n let isGenerator = false;\n let isAsync = false;\n let isAccessor = false;\n\n let startPos;\n let startLoc;\n\n if (this.match(types$1.ellipsis)) {\n if (decorators.length)
this.unexpected();\n\n if (isPattern) {\n this.next();\n prop.argument = this.parseIdentifier();\n
this.checkCommaAfterRest(125);\n return this.finishNode(prop, \"RestElement\");\n }\n\n return
this.parseSpread();\n }\n\n if (decorators.length) {\n prop.decorators = decorators;\n decorators = [];\n }\n\n prop.method = false;\n\n if (isPattern || refExpressionErrors) {\n startPos = this.state.start;\n startLoc
= this.state.startLoc;\n }\n\n if (!isPattern) {\n isGenerator = this.eat(types$1.star);\n }\n\n const
containsEsc = this.state.containsEsc;\n const key = this.parsePropertyName(prop, false);\n\n if (!isPattern &&
!isGenerator && !containsEsc && this.maybeAsyncOrAccessorProp(prop)) {\n const keyName = key.name;\n\n if (keyName === \"async\" && !this.hasPrecedingLineBreak())\n {\n isAsync = true;\n isGenerator = this.eat(types$1.star);\n this.parsePropertyName(prop, false);\n
 }\n\n if (keyName === \"get\" || keyName === \"set\") {\n isAccessor = true;\n prop.kind =
keyName;\n\n if (this.match(types$1.star)) {\n isGenerator = true;\n this.raise(this.state.pos,
ErrorMessages.AccessorIsGenerator, keyName);\n }\n\n this.parsePropertyName(prop,
false);\n }\n }\n\n this.parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern,
isAccessor, refExpressionErrors);\n return prop;\n}\n\n getGetterSetterExpectedParamCount(method) {\n return method.kind === \"get\" ? 0 : 1;\n}\n\n getObjectOrClassMethodParams(method) {\n return
method.params;\n}\n\n checkGetterSetterParams(method) {\n var _params;\n\n const paramCount =
this.getGetterSetterExpectedParamCount(method);\n const params =
this.getObjectOrClassMethodParams(method);\n\n const start = method.start;\n\n if (params.length !== paramCount) {\n if (method.kind === \"get\") {\n
this.raise(start, ErrorMessages.BadGetterArity);\n } else {\n this.raise(start,
ErrorMessages.BadSetterArity);\n }\n }\n\n if (method.kind === \"set\" && ((_params =
params[params.length - 1]) == null ? void 0 : _params.type) === \"RestElement\") {\n this.raise(start,
ErrorMessages.BadSetterRestParameter);\n }\n}\n\n parseObjectMethod(prop, isGenerator, isAsync, isPattern,
isAccessor) {\n if (isAccessor) {\n this.parseMethod(prop, isGenerator, false, false, false, \"ObjectMethod\");\n
 this.checkGetterSetterParams(prop);\n return prop;\n }\n\n if (isAsync || isGenerator ||
this.match(types$1.parenL)) {\n if (isPattern) this.unexpected();\n prop.kind = \"method\";\n prop.method
= true;\n return this.parseMethod(prop, isGenerator, isAsync, false, false, \"ObjectMethod\");\n }\n}\n\n parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors) {\n prop.shorthand =
false;\n\n if (this.eat(types$1.colon)) {\n prop.value = isPattern ? this.parseMaybeDefault(this.state.start,
this.state.startLoc) : this.parseMaybeAssignAllowIn(refExpressionErrors);\n return this.finishNode(prop,
\"ObjectProperty\");\n }\n\n if (!prop.computed && prop.key.type === \"Identifier\") {\n this.checkReservedWord(prop.key.name, prop.key.start, true, false);\n\n if (isPattern) {\n prop.value =
this.parseMaybeDefault(startPos, startLoc, prop.key.__clone());\n } else if (this.match(types$1.eq) &&

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refExpressionErrors) {\n if (refExpressionErrors.shorthandAssign === -1) {\n
refExpressionErrors.shorthandAssign = this.state.start;\n }\n prop.value =
this.parseMaybeDefault(startPos, startLoc, prop.key.__clone());\n } else {\n prop.value =
prop.key.__clone();\n }\n\n prop.shorthand = true;\n return this.finishNode(prop, \"ObjectProperty\");\n }\n}\n\nparseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern, isAccessor, refExpressionErrors) {\n
const node = this.parseObjectMethod(prop, isGenerator, isAsync, isPattern, isAccessor) ||
this.parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors);\n if (!node) this.unexpected();\n return node;\n}\n\nparsePropertyName(prop, isPrivateNameAllowed) {\n if (this.eat(types$1.bracketL)) {\n
prop.computed = true;\n prop.key = this.parseMaybeAssignAllowIn();\n this.expect(types$1.bracketR);\n }
else {\n const oldInPropertyName = this.state.inPropertyName;\n this.state.inPropertyName = true;\n const
type = this.state.type;\n prop.key = type === types$1.num || type === types$1.string || type === types$1.bigint ||
type === types$1.decimal ? this.parseExprAtom() : this.parseMaybePrivateName(isPrivateNameAllowed);\n
 if (type !== types$1.privateName) {\n prop.computed = false;\n }\n this.state.inPropertyName =
oldInPropertyName;\n }\n return prop.key;\n}\n\ninitFunction(node, isAsync) {\n node.id = null;\n
node.generator = false;\n node.async = !!isAsync;\n}\n\nparseMethod(node, isGenerator, isAsync,
isConstructor, allowDirectSuper, type, inClassScope = false) {\n this.initFunction(node, isAsync);\n
node.generator = !!isGenerator;\n const allowModifiers = isConstructor;\n this.scope.enter(SCOPE_FUNCTION
| SCOPE_SUPER | (inClassScope ? SCOPE_CLASS : 0) | (allowDirectSuper ? SCOPE_DIRECT_SUPER : 0));\n
this.prodParam.enter(functionFlags(isAsync, node.generator));\n this.parseFunctionParams(node,
allowModifiers);\n this.parseFunctionBodyAndFinish(node, type, true);\n this.prodParam.exit();\n
this.scope.exit();\n return node;\n}\n\nparseArrayLike(close, canBePattern, isTuple, refExpressionErrors) {\n
if (isTuple)
{\n this.expectPlugin(\"recordAndTuple\");\n}\n\nconst oldInFSharpPipelineDirectBody =
this.state.inFSharpPipelineDirectBody;\n this.state.inFSharpPipelineDirectBody = false;\n const node =
this.startNode();\n this.next();\n node.elements = this.parseExprList(close, !isTuple, refExpressionErrors,
node);\n this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n return
this.finishNode(node, isTuple ? \"TupleExpression\" : \"ArrayExpression\");\n}\n\nparseArrowExpression(node,
params, isAsync, trailingCommaPos) {\n this.scope.enter(SCOPE_FUNCTION | SCOPE_ARROW);\n let flags
= functionFlags(isAsync, false);\n if (!this.match(types$1.bracketL) && this.prodParam.hasIn) {\n flags |=
PARAM_IN;\n}\n\n this.prodParam.enter(flags);\n this.initFunction(node, isAsync);\n const
oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n if (params) {\n
this.state.maybeInArrowParameters = true;\n
 this.setArrowFunctionParameters(node, params, trailingCommaPos);\n }\n\n this.state.maybeInArrowParameters = false;\n this.parseFunctionBody(node, true);\n this.prodParam.exit();\n
this.scope.exit();\n this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n return
this.finishNode(node, \"ArrowFunctionExpression\");\n}\n\nsetArrowFunctionParameters(node, params,
trailingCommaPos) {\n node.params = this.toAssignableList(params, trailingCommaPos, false);\n}\n\n
parseFunctionBodyAndFinish(node, type, isMethod = false) {\n this.parseFunctionBody(node, false, isMethod);\n
 this.finishNode(node, type);\n}\n\nparseFunctionBody(node, allowExpression, isMethod = false) {\n const
isExpression = allowExpression && !this.match(types$1.braceL);\n
 this.expressionScope.enter(newExpressionScope());\n if (isExpression) {\n node.body =
this.parseMaybeAssign();\n this.checkParams(node, false, allowExpression, false);\n} else {\n
 const oldStrict = this.state.strict;\n const oldLabels = this.state.labels;\n this.state.labels = [];\n
 this.prodParam.enter(this.prodParam.currentFlags() | PARAM_RETURN);\n node.body = this.parseBlock(true,
false, hasStrictModeDirective => {\n const nonSimple = !this.isSimpleParamList(node.params);\n if
(hasStrictModeDirective && nonSimple) {\n const errorPos = (node.kind === \"method\" || node.kind ===
\"constructor\") && !!node.key ? node.key.end : node.start;\n this.raise(errorPos,

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ErrorMessages.IllegalLanguageModeDirective);\n }\n const strictModeChanged = !oldStrict &&
this.state.strict;\n this.checkParams(node, !this.state.strict && !allowExpression && !isMethod &&
!nonSimple, allowExpression, strictModeChanged);\n if (this.state.strict && node.id) {\n
this.checkLVal(node.id, "function name", BIND_OUTSIDE, undefined, undefined, strictModeChanged);\n }\n
});\n this.prodParam.exit();\n
 this.expressionScope.exit();\n this.state.labels = oldLabels;\n }\n }\n isSimpleParamList(params) {\n
for (let i = 0, len = params.length; i < len; i++) {\n if (params[i].type !== "Identifier") return false;\n }\n
return true;\n }\n checkParams(node, allowDuplicates, isArrowFunction, strictModeChanged = true) {\n const
checkClashes = new Set();\n for (const param of node.params) {\n this.checkLVal(param, "function
parameter list", BIND_VAR, allowDuplicates ? null : checkClashes, undefined, strictModeChanged);\n }\n }\n
parseExprList(close, allowEmpty, refExpressionErrors, nodeForExtra) {\n const elts = [];\n let first = true;\n
while (!this.eat(close)) {\n if (first) {\n first = false;\n } else {\n this.expect(types$1.comma);\n
if (this.match(close)) {\n if (nodeForExtra) {\n this.addExtra(nodeForExtra, "trailingComma",
this.state.lastTokStart);\n
 }\n this.next();\n break;\n }\n }\n elts.push(this.parseExprListItem(allowEmpty,
refExpressionErrors));\n }\n return elts;\n }\n parseExprListItem(allowEmpty, refExpressionErrors,
refNeedsArrowPos, allowPlaceholder) {\n let elt;\n if (this.match(types$1.comma)) {\n if (!allowEmpty)
{\n this.raise(this.state.pos, ErrorMessages.UnexpectedToken, ",", "");\n }\n elt = null;\n } else if
(this.match(types$1.ellipsis)) {\n const spreadNodeStartPos = this.state.start;\n const spreadNodeStartLoc =
this.state.startLoc;\n elt = this.parseParenItem(this.parseSpread(refExpressionErrors, refNeedsArrowPos),
spreadNodeStartPos, spreadNodeStartLoc);\n } else if (this.match(types$1.question)) {\n
this.expectPlugin("partialApplication");\n if (!allowPlaceholder) {\n this.raise(this.state.start,
ErrorMessages.UnexpectedArgumentPlaceholder);\n }\n const
node = this.startNode();\n this.next();\n elt = this.finishNode(node, "ArgumentPlaceholder");\n } else {\n
elt = this.parseMaybeAssignAllowIn(refExpressionErrors, this.parseParenItem, refNeedsArrowPos);\n }\n
return elt;\n }\n parseIdentifier(liberal) {\n const node = this.startNode();\n const name =
this.parseIdentifierName(node.start, liberal);\n return this.createIdentifier(node, name);\n }\n
createIdentifier(node, name) {\n node.name = name;\n node.loc.identifierName = name;\n return
this.finishNode(node, "Identifier");\n }\n parseIdentifierName(pos, liberal) {\n let name;\n const {\n
start,\n type\n } = this.state;\n if (type === types$1.name) {\n name = this.state.value;\n } else if
(type.keyword) {\n name = type.keyword;\n const curContext = this.curContext();\n if ((type ===
types$1._class || type === types$1._function) && (curContext === types.functionStatement || curContext
=== types.functionExpression)) {\n this.state.context.pop();\n }\n } else {\n throw this.unexpected();\n
}\n if (liberal) {\n this.state.type = types$1.name;\n } else {\n this.checkReservedWord(name, start,
!!type.keyword, false);\n }\n this.next();\n return name;\n }\n checkReservedWord(word, startLoc,
checkKeywords, isBinding) {\n if (this.prodParam.hasYield && word === "yield") {\n this.raise(startLoc,
ErrorMessages.YieldBindingIdentifier);\n return;\n }\n if (word === "await") {\n if
(this.prodParam.hasAwait) {\n this.raise(startLoc, ErrorMessages.AwaitBindingIdentifier);\n return;\n }
else if (this.scope.inStaticBlock && !this.scope.inNonArrowFunction) {\n this.raise(startLoc,
ErrorMessages.AwaitBindingIdentifierInStaticBlock);\n return;\n } else {\n
this.expressionScope.recordAsyncArrowParametersError(startLoc, ErrorMessages.AwaitBindingIdentifier);\n
 }\n }\n if (this.scope.inClass && !this.scope.inNonArrowFunction && word === "arguments") {\n
this.raise(startLoc, ErrorMessages.ArgumentsInClass);\n return;\n }\n if (checkKeywords &&
isKeyword(word)) {\n this.raise(startLoc, ErrorMessages.UnexpectedKeyword, word);\n return;\n }\n
const reservedTest = !this.state.strict ? isReservedWord : isBinding ? isStrictBindReservedWord :
isStrictReservedWord;\n if (reservedTest(word, this.inModule)) {\n this.raise(startLoc,
ErrorMessages.UnexpectedReservedWord, word);\n }\n }\n isAwaitAllowed() {\n if
(this.prodParam.hasAwait) return true;\n if (this.options.allowAwaitOutsideFunction && !this.scope.inFunction)

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 {\n return true;\n }\n\n return false;\n }\n\n parseAwait(startPos, startLoc) {\n const node =
this.startNodeAt(startPos, startLoc);\n this.expressionScope.recordParameterInitializerError(node.start,
ErrorMessages.AwaitExpressionFormalParameter);\n\n if (this.eat(types$1.star)) {\n this.raise(node.start, ErrorMessages.ObsoleteAwaitStar);\n }\n\n if
(!this.scope.inFunction && !this.options.allowAwaitOutsideFunction) {\n if (this.isAmbiguousAwait()) {\n
this.ambiguousScriptDifferentAst = true;\n } else {\n this.sawUnambiguousESM = true;\n }\n }\n\n if
(!this.state.soloAwait) {\n node.argument = this.parseMaybeUnary(null, true);\n }\n\n return
this.finishNode(node, \"AwaitExpression\");\n }\n\n isAmbiguousAwait() {\n return
this.hasPrecedingLineBreak() || this.match(types$1.plusMin) || this.match(types$1.parenL) ||
this.match(types$1.bracketL) || this.match(types$1.backQuote) || this.match(types$1.regex) ||
this.match(types$1.slash) || this.hasPlugin(\"v8intrinsic\") && this.match(types$1.module);\n }\n\n parseYield()
{\n const node = this.startNode();\n this.expressionScope.recordParameterInitializerError(node.start,
ErrorMessages.YieldInParameter);\n\n this.next();\n\n if (this.match(types$1.semi) || !this.match(types$1.star) && !this.state.type.startsExpr ||
this.hasPrecedingLineBreak()) {\n node.delegate = false;\n node.argument = null;\n } else {\n
node.delegate = this.eat(types$1.star);\n node.argument = this.parseMaybeAssign();\n }\n\n return
this.finishNode(node, \"YieldExpression\");\n }\n\n checkPipelineAtInfixOperator(left, leftStartPos) {\n if
(this.getPluginOption(\"pipelineOperator\", \"proposal\") === \"smart\") {\n if (left.type ===
\"SequenceExpression\") {\n this.raise(leftStartPos, ErrorMessages.PipelineHeadSequenceExpression);\n }\n
}\n\n parseSmartPipelineBody(childExpression, startPos, startLoc) {\n
this.checkSmartPipelineBodyEarlyErrors(childExpression, startPos);\n return
this.parseSmartPipelineBodyInStyle(childExpression, startPos, startLoc);\n }\n\n checkSmartPipelineBodyEarlyErrors(childExpression, startPos) {\n if (this.match(types$1.arrow))
{\n throw this.raise(this.state.start, ErrorMessages.PipelineBodyNoArrow);\n } else if (childExpression.type
=== \"SequenceExpression\") {\n this.raise(startPos, ErrorMessages.PipelineBodySequenceExpression);\n }\n
}\n\n parseSmartPipelineBodyInStyle(childExpression, startPos, startLoc) {\n const bodyNode =
this.startNodeAt(startPos, startLoc);\n const isSimpleReference = this.isSimpleReference(childExpression);\n\n if (isSimpleReference) {\n bodyNode.callee = childExpression;\n } else {\n if
(!this.topicReferenceWasUsedInCurrentTopicContext()) {\n this.raise(startPos,
ErrorMessages.PipelineTopicUnused);\n }\n\n bodyNode.expression = childExpression;\n }\n\n return
this.finishNode(bodyNode, isSimpleReference ? \"PipelineBareFunction\" : \"PipelineTopicExpression\");\n }\n\n isSimpleReference(expression) {\n switch (expression.type) {\n case \"MemberExpression\":\n return
!expression.computed &&
this.isSimpleReference(expression.object);\n\n case \"Identifier\":\n return true;\n\n default:\n return
false;\n }\n }\n\n withTopicPermittingContext(callback) {\n const outerContextTopicState =
this.state.topicContext;\n this.state.topicContext = {\n maxNumOfResolvableTopics: 1,\n maxTopicIndex:
null\n };\n\n try {\n return callback();\n } finally {\n this.state.topicContext = outerContextTopicState;\n
}\n }\n\n withTopicForbiddingContext(callback) {\n const outerContextTopicState = this.state.topicContext;\n
this.state.topicContext = {\n maxNumOfResolvableTopics: 0,\n maxTopicIndex: null\n };\n\n try {\n
return callback();\n } finally {\n this.state.topicContext = outerContextTopicState;\n }\n }\n\n withSoloAwaitPermittingContext(callback) {\n const outerContextSoloAwaitState = this.state.soloAwait;\n
this.state.soloAwait = true;\n\n try {\n return callback();\n }\n\n } finally {\n this.state.soloAwait = outerContextSoloAwaitState;\n }\n }\n\n allowInAnd(callback) {\n const flags = this.prodParam.currentFlags();\n const prodParamToSet = PARAM_IN & ~flags;\n\n if
(prodParamToSet) {\n this.prodParam.enter(flags | PARAM_IN);\n\n try {\n return callback();\n }\n
finally {\n this.prodParam.exit();\n }\n }\n\n return callback();\n }\n\n disallowInAnd(callback) {\n
const flags = this.prodParam.currentFlags();\n const prodParamToClear = PARAM_IN & flags;\n\n if
(prodParamToClear) {\n this.prodParam.enter(flags & ~PARAM_IN);\n\n try {\n return callback();\n }\n
}

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} finally {\n this.prodParam.exit();\n }\n }\n\n return callback();\n }\n\n registerTopicReference() {\n
this.state.topicContext.maxTopicIndex = 0;\n }\n\n primaryTopicReferenceIsAllowedInCurrentTopicContext() {\n
return this.state.topicContext.maxNumOfResolvableTopics >= 1;\n }\n\n
topicReferenceWasUsedInCurrentTopicContext() {\n return this.state.topicContext.maxTopicIndex != null &&
this.state.topicContext.maxTopicIndex >= 0;\n }\n\n parseFSharpPipelineBody(prec) {\n const startPos =
this.state.start;\n const startLoc = this.state.startLoc;\n this.state.potentialArrowAt = this.state.start;\n const
oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;\n
this.state.inFSharpPipelineDirectBody = true;\n const ret = this.parseExprOp(this.parseMaybeUnary(), startPos,
startLoc, prec);\n this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n return ret;\n }\n\n
parseModuleExpression() {\n this.expectPlugin("moduleBlocks");\n const node = this.startNode();\n
this.next();\n this.eat(types$1.braceL);\n const revertScopes = this.initializeScopes(true);\n
this.enterInitialScopes();\n const program = this.startNode();\n\n try {\n node.body =
this.parseProgram(program, types$1.braceR,
 \"module\");\n } finally {\n revertScopes();\n }\n\n this.eat(types$1.braceR);\n return
this.finishNode(node, \"ModuleExpression\");\n }\n\n}\n\nconst loopLabel = {\n kind: \"loop\"\n},\n
switchLabel = {\n kind: \"switch\"\n};\n\nconst FUNC_NO_FLAGS = 0b000,\n FUNC_STATEMENT = 0b001,\n
FUNC_HANGING_STATEMENT = 0b010,\n FUNC_NULLABLE_ID = 0b100;\n\nconst loneSurrogate =
/\[\\uD800-\\uDFFF\\]/u;\n\nfunction babel7CompatTokens(tokens) {\n {\n for (let i = 0; i < tokens.length; i++) {\n
const token = tokens[i];\n\n if (token.type === types$1.privateName) {\n const {\n loc,\n
start,\n value,\n end\n } = token;\n const hashEndPos = start + 1;\n const hashEndLoc = new
Position(loc.start.line, loc.start.column + 1);\n tokens.splice(i, 1, new Token({\n type: types$1.hash,\n
value: \"#\",\n start: start,\n end: hashEndPos,\n startLoc:
loc.start,\n endLoc: hashEndLoc\n }), new Token({\n type: types$1.name,\n value: value,\n
start: hashEndPos,\n end: end,\n startLoc: hashEndLoc,\n endLoc: loc.end\n }));\n }\n
}\n\n return tokens;\n }\n\n\nclass StatementParser extends ExpressionParser {\n parseTopLevel(file, program) {\n
file.program = this.parseProgram(program);\n file.comments = this.state.comments;\n if (this.options.tokens)
file.tokens = babel7CompatTokens(this.tokens);\n return this.finishNode(file, \"File\");\n }\n\n parseProgram(program, end = types$1.eof, sourceType = this.options.sourceType) {\n program.sourceType =
sourceType;\n program.interpreter = this.parseInterpreterDirective();\n this.parseBlockBody(program, true, true,
end);\n\n if (this.inModule && !this.options.allowUndeclaredExports && this.scope.undefinedExports.size > 0)
{\n for (const [name] of Array.from(this.scope.undefinedExports))
{\n const pos = this.scope.undefinedExports.get(name);\n this.raise(pos,
ErrorMessages.ModuleExportUndefined, name);\n }\n\n return this.finishNode(program, \"Program\");\n
}\n\n stmtToDirective(stmt) {\n const expr = stmt.expression;\n const directiveLiteral =
this.startNodeAt(expr.start, expr.loc.start);\n const directive = this.startNodeAt(stmt.start, stmt.loc.start);\n const
raw = this.input.slice(expr.start, expr.end);\n const val = directiveLiteral.value = raw.slice(1, -1);\n
this.addExtra(directiveLiteral, \"raw\", raw);\n this.addExtra(directiveLiteral, \"rawValue\", val);\n
directive.value = this.finishNodeAt(directiveLiteral, \"DirectiveLiteral\", expr.end, expr.loc.end);\n return
this.finishNodeAt(directive, \"Directive\", stmt.end, stmt.loc.end);\n }\n\n parseInterpreterDirective() {\n if
(!this.match(types$1.interpreterDirective)) {\n return null;\n }\n\n const node = this.startNode();\n
node.value = this.state.value;\n this.next();\n return this.finishNode(node, \"InterpreterDirective\");\n }\n\n isLet(context) {\n if (!this.isContextual(\"let\")) {\n return false;\n }\n\n return
this.isLetKeyword(context);\n }\n\n isLetKeyword(context) {\n const next = this.nextTokenStart();\n const
nextCh = this.input.charCodeAtAt(next);\n\n if (nextCh === 92 || nextCh === 91) {\n return true;\n }\n\n if
(context) return false;\n if (nextCh === 123) return true;\n\n if (isIdentifierStart(nextCh)) {\n let pos = next +
1;\n\n while (isIdentifierChar(this.input.charCodeAtAt(pos))) {\n ++pos;\n }\n\n const ident =
this.input.slice(next, pos);\n if (!keywordRelationalOperator.test(ident)) return true;\n }\n\n return false;\n
}\n\n parseStatement(context, topLevel) {\n if (this.match(types$1.at)) {\n this.parseDecorators(true);\n }\n

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return this.parseStatementContent(context, topLevel);\n
}\n\n parseStatementContent(context, topLevel) {\n let starttype = this.state.type;\n const node =
this.startNode();\n let kind;\n\n if (this.isLet(context)) {\n starttype = types$1._var;\n kind = \"let\";\n }\n\n switch (starttype) {\n case types$1._break:\n return
this.parseBreakContinueStatement(node, starttype.keyword);\n\n case types$1._debugger:\n return
this.parseDebuggerStatement(node);\n\n case types$1._do:\n return this.parseDoStatement(node);\n\n case types$1._for:\n return this.parseForStatement(node);\n\n case types$1._function:\n if
(this.lookaheadCharCode() === 46) break;\n\n if (context) {\n if (this.state.strict) {\n
this.raise(this.state.start, ErrorMessages.StrictFunction);\n } else if (context !== \"if\" && context !==
\"label\") {\n this.raise(this.state.start, ErrorMessages.SloppyFunction);\n }\n }\n\n return this.parseFunctionStatement(node, false, !context);\n\n case types$1._class:\n
if (context) this.unexpected();\n return this.parseClass(node, true);\n\n case types$1._if:\n return
this.parseIfStatement(node);\n\n case types$1._return:\n return this.parseReturnStatement(node);\n\n case
types$1._switch:\n return this.parseSwitchStatement(node);\n\n case types$1._throw:\n return
this.parseThrowStatement(node);\n\n case types$1._try:\n return this.parseTryStatement(node);\n\n case
types$1._const:\n case types$1._var:\n kind = kind || this.state.value;\n\n if (context && kind !==
\"var\") {\n this.raise(this.state.start, ErrorMessages.UnexpectedLexicalDeclaration);\n }\n\n return
this.parseVarStatement(node, kind);\n\n case types$1._while:\n return this.parseWhileStatement(node);\n\n case
types$1._with:\n return this.parseWithStatement(node);\n\n case types$1._braceL:\n return this.parseBlock();\n\n case
types$1._semi:\n return this.parseEmptyStatement(node);\n\n case types$1._import:\n {\n const
nextTokenCharCode = this.lookaheadCharCode();\n\n if (nextTokenCharCode === 40 || nextTokenCharCode
=== 46) {\n break;\n }\n }\n\n case types$1._export:\n {\n if
(!this.options.allowImportExportEverywhere && !topLevel) {\n this.raise(this.state.start,
ErrorMessages.UnexpectedImportExport);\n }\n\n this.next();\n let result;\n\n if (starttype
=== types$1._import) {\n result = this.parseImport(node);\n\n if (result.type ===
\"ImportDeclaration\" && (!result.importKind || result.importKind === \"value\")) {\n
this.sawUnambiguousESM = true;\n }\n } else {\n result = this.parseExport(node);\n\n if
(result.type === \"ExportNamedDeclaration\" && (!result.exportKind || result.exportKind === \"value\") ||
result.type === \"ExportAllDeclaration\" && (!result.exportKind || result.exportKind === \"value\") || result.type
=== \"ExportDefaultDeclaration\") {\n this.sawUnambiguousESM = true;\n }\n }\n\n this.assertModuleNodeAllowed(node);\n return result;\n }\n\n default:\n {\n if
(this.isAsyncFunction()) {\n if (context) {\n this.raise(this.state.start,
ErrorMessages.AsyncFunctionInSingleStatementContext);\n }\n this.next();\n return
this.parseFunctionStatement(node, true, !context);\n }\n }\n\n const maybeName =
this.state.value;\n const expr = this.parseExpression();\n\n if (starttype === types$1._name && expr.type ===
\"Identifier\" && this.eat(types$1._colon)) {\n return this.parseLabeledStatement(node,
maybeName, expr, context);\n } else {\n return this.parseExpressionStatement(node, expr);\n }\n }\n\n assertModuleNodeAllowed(node) {\n if (!this.options.allowImportExportEverywhere && !this.inModule) {\n
this.raise(node.start, SourceTypeModuleErrorMessages.ImportOutsideModule);\n }\n }\n\n takeDecorators(node) {\n const decorators = this.state.decoratorStack[this.state.decoratorStack.length - 1];\n\n if
(decorators.length) {\n node.decorators = decorators;\n this.resetStartLocationFromNode(node,
decorators[0]);\n this.state.decoratorStack[this.state.decoratorStack.length - 1] = [];\n }\n }\n\n canHaveLeadingDecorator() {\n return this.match(types$1._class);\n }\n\n parseDecorators(allowExport) {\n const currentContextDecorators = this.state.decoratorStack[this.state.decoratorStack.length - 1];\n\n while
(this.match(types$1._at)) {\n const decorator = this.parseDecorator();\n currentContextDecorators.push(decorator);\n }\n }\n\n return node;\n}

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 }\n\n if (this.match(types$1._export)) {\n if (!allowExport) {\n this.unexpected();\n }\n if (this.hasPlugin("decorators") && !this.getPluginOption("\decorators", "\decoratorsBeforeExport")) {\n this.raise(this.state.start, ErrorMessages.DecoratorExportClass);\n }\n } else if (!this.canHaveLeadingDecorator()) {\n throw this.raise(this.state.start, ErrorMessages.UnexpectedLeadingDecorator);\n }\n}\n\n parseDecorator() {\n this.expectOnePlugin(["\decorators-legacy", "\decorators"]); \n const node = this.startNode(); \n this.next(); \n\n if (this.hasPlugin("\decorators")) {\n this.state.decoratorStack.push([]); \n const startPos = this.state.start; \n const startLoc = this.state.startLoc; \n let expr; \n\n if (this.eat(types$1.parenL)) {\n expr = this.parseExpression(); \n this.expect(types$1.parenR); \n } else {\n expr = this.parseIdentifier(false); \n\n while (this.eat(types$1.dot)) {\n const node = this.startNodeAt(startPos, startLoc); \n node.object = expr; \n node.property = this.parseIdentifier(true); \n node.computed = false; \n expr = this.finishNode(node, "\MemberExpression"); \n }\n\n node.expression = this.parseMaybeDecoratorArguments(expr); \n this.state.decoratorStack.pop(); \n } else {\n node.expression = this.parseExprSubscripts(); \n }\n\n return this.finishNode(node, "\Decorator"); \n }\n\n parseMaybeDecoratorArguments(expr) {\n if (this.eat(types$1.parenL)) {\n const node = this.startNodeAtNode(expr); \n node.callee = expr; \n node.arguments = this.parseCallExpressionArguments(types$1.parenR, false); \n this.toReferencedList(node.arguments); \n return this.finishNode(node, "\CallExpression"); \n }\n\n return expr; \n }\n\n parseBreakContinueStatement(node, keyword) {\n const isBreak = keyword === "\break"; \n\n this.next(); \n\n if (this.isLineTerminator()) {\n node.label = null; \n } else {\n node.label = this.parseIdentifier(); \n this.semicolon(); \n }\n\n this.verifyBreakContinue(node, keyword); \n return this.finishNode(node, isBreak ? "\BreakStatement" : "\ContinueStatement"); \n }\n\n verifyBreakContinue(node, keyword) {\n const isBreak = keyword === "\break"; \n let i; \n\n for (i = 0; i < this.state.labels.length; ++i) {\n const lab = this.state.labels[i]; \n\n if (node.label == null || lab.name === node.label.name) {\n if (lab.kind !== null && (isBreak || lab.kind === "\loop")) break; \n if (node.label && isBreak) break; \n }\n }\n\n if (i === this.state.labels.length) {\n this.raise(node.start, ErrorMessages.IllegalBreakContinue, keyword); \n }\n }\n\n parseDebuggerStatement(node) {\n this.next(); \n this.semicolon(); \n return this.finishNode(node, "\DebuggerStatement"); \n }\n\n parseHeaderExpression() {\n {\n this.expect(types$1.parenL); \n const val = this.parseExpression(); \n this.expect(types$1.parenR); \n return val; \n }\n\n parseDoStatement(node) {\n this.next(); \n this.state.labels.push(loopLabel); \n node.body = this.withTopicForbiddingContext(() => this.parseStatement("\do")); \n this.state.labels.pop(); \n\n this.expect(types$1._while); \n node.test = this.parseHeaderExpression(); \n this.eat(types$1.semi); \n return this.finishNode(node, "\DoWhileStatement"); \n }\n\n parseForStatement(node) {\n this.next(); \n this.state.labels.push(loopLabel); \n let awaitAt = -1; \n\n if (this.isAwaitAllowed() && this.eatContextual("\await")) {\n awaitAt = this.state.lastTokStart; \n }\n\n this.scope.enter(SCOPE_OTHER); \n this.expect(types$1.parenL); \n\n if (this.match(types$1.semi)) {\n if (awaitAt > -1) {\n this.unexpected(awaitAt); \n }\n\n return this.parseFor(node, null); \n }\n\n const startsWithLet = this.isContextual("\let"); \n const isLet = startsWithLet && this.isLetKeyword(); \n\n if (this.match(types$1._var) || this.match(types$1._const) || isLet) {\n const init = this.startNode(); \n const kind = isLet ? "\let" : this.state.value; \n this.next(); \n this.parseVar(init, true, kind); \n this.finishNode(init, "\VariableDeclaration"); \n\n if (((this.match(types$1._in) || this.isContextual("\of")) && init.declarations.length === 1) {\n return this.parseForIn(node, init, awaitAt); \n })\n\n if (awaitAt > -1) {\n this.unexpected(awaitAt); \n }\n\n return this.parseFor(node, init); \n }\n\n const startsWithUnescapedName = this.match(types$1.name) && !this.state.containsEsc; \n const refExpressionErrors = new ExpressionErrors(); \n const init = this.parseExpression(true, refExpressionErrors); \n const isForOf = this.isContextual("\of"); \n\n if (isForOf) {\n if (startsWithLet) {\n this.raise(init.start, ErrorMessages.ForOfLet); \n } else if (awaitAt === -1 && startsWithUnescapedName && init.type === "\Identifier" && init.name === "\async") {\n this.raise(init.start,

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ErrorMessages.ForOfAsync);\n }\n }\n\n if (isForOf || this.match(types$1._in)) {\n this.toAssignable(init, true);\n const description = isForOf ? \"for-of statement\" : \"for-in statement\";\n this.checkLVal(init, description);\n return this.parseForIn(node, init, awaitAt);\n } else {\n this.checkExpressionErrors(refExpressionErrors, true);\n }\n\n if (awaitAt > -1) {\n this.unexpected(awaitAt);\n }\n\n return this.parseFor(node, init);\n\n }\n\n parseFunctionStatement(node, isAsync, declarationPosition) {\n this.next();\n return this.parseFunction(node, FUNC_STATEMENT | (declarationPosition ? 0 : FUNC_HANGING_STATEMENT), isAsync);\n }\n\n }\n\n parseIfStatement(node) {\n this.next();\n node.test = this.parseHeaderExpression();\n\n node.consequent = this.parseStatement(\"if\");\n node.alternate = this.eat(types$1._else) ? this.parseStatement(\"if\") : null;\n return this.finishNode(node, \"IfStatement\");\n }\n\n }\n\n parseReturnStatement(node) {\n if (!this.prodParam.hasReturn && !this.options.allowReturnOutsideFunction) {\n this.raise(this.state.start, ErrorMessages.IllegalReturn);\n }\n\n this.next();\n\n if (this.isLineTerminator()) {\n node.argument = null;\n } else {\n node.argument = this.parseExpression();\n this.semicolon();\n }\n\n return this.finishNode(node, \"ReturnStatement\");\n }\n\n }\n\n parseSwitchStatement(node) {\n this.next();\n node.discriminant = this.parseHeaderExpression();\n const cases = node.cases = [];\n this.expect(types$1.braceL);\n this.state.labels.push(switchLabel);\n this.scope.enter(SCOPE_OTHER);\n let cur;\n\n for (let sawDefault; !this.match(types$1.braceR);) {\n if (this.match(types$1._case) || this.match(types$1._default)) {\n const isCase = this.match(types$1._case);\n if (cur) this.finishNode(cur, \"SwitchCase\");\n cases.push(cur = this.startNode());\n cur.consequent = [];\n this.next();\n\n if (isCase) {\n cur.test = this.parseExpression();\n } else {\n if (sawDefault) {\n this.raise(this.state.lastTokStart, ErrorMessages.MultipleDefaultsInSwitch);\n }\n\n sawDefault = true;\n cur.test = null;\n }\n\n this.expect(types$1.colon);\n } else {\n if (cur) {\n cur.consequent.push(this.parseStatement(null));\n } else {\n this.unexpected();\n }\n }\n }\n\n this.scope.exit();\n if (cur) this.finishNode(cur, \"SwitchCase\");\n this.next();\n this.state.labels.pop();\n return this.finishNode(node, \"SwitchStatement\");\n }\n\n }\n\n parseThrowStatement(node) {\n this.next();\n if (this.hasPrecedingLineBreak()) {\n this.raise(this.state.lastTokEnd, ErrorMessages.NewlineAfterThrow);\n }\n\n node.argument = this.parseExpression();\n this.semicolon();\n return this.finishNode(node, \"ThrowStatement\");\n }\n\n }\n\n parseCatchClauseParam() {\n const param = this.parseBindingAtom();\n const simple = param.type === \"Identifier\";\n this.scope.enter(simple ? SCOPE_SIMPLE_CATCH : 0);\n this.checkLVal(param, \"catch clause\", BIND_LEXICAL);\n return param;\n }\n\n }\n\n parseTryStatement(node) {\n this.next();\n node.block = this.parseBlock();\n node.handler = null;\n\n if (this.match(types$1._catch)) {\n const clause = this.startNode();\n this.next();\n\n if (this.match(types$1.parenL)) {\n this.expect(types$1.parenL);\n clause.param = this.parseCatchClauseParam();\n this.expect(types$1.parenR);\n } else {\n clause.param = null;\n this.scope.enter(SCOPE_OTHER);\n }\n\n clause.body = this.withTopicForbiddingContext(() => this.parseBlock(false, false));\n this.scope.exit();\n node.handler = this.finishNode(clause, \"CatchClause\");\n }\n\n node.finalizer = this.eat(types$1._finally) ? this.parseBlock() : null;\n\n if (!node.handler && !node.finalizer) {\n this.raise(node.start, ErrorMessages.NoCatchOrFinally);\n }\n\n return this.finishNode(node, \"TryStatement\");\n }\n\n }\n\n parseVarStatement(node, kind) {\n this.next();\n this.parseVar(node, false, kind);\n this.semicolon();\n return this.finishNode(node, \"VariableDeclaration\");\n }\n\n }\n\n parseWhileStatement(node) {\n this.next();\n node.test = this.parseHeaderExpression();\n this.state.labels.push(loopLabel);\n node.body = this.withTopicForbiddingContext(() => this.parseStatement(\"while\"));\n this.state.labels.pop();\n return this.finishNode(node, \"WhileStatement\");\n }\n\n }\n\n parseWithStatement(node) {\n if (this.state.strict) {\n this.raise(this.state.start, ErrorMessages.StrictWith);\n }\n\n this.next();\n node.object = this.parseHeaderExpression();\n node.body = this.withTopicForbiddingContext(() => this.parseStatement(\"with\"));\n return this.finishNode(node, \"WithStatement\");\n }\n\n }\n\n parseEmptyStatement(node) {\n this.next();\n return this.finishNode(node, \"EmptyStatement\");\n }\n\n }\n\n parseLabeledStatement(node, maybeName, expr, context) {\n for (const label of

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this.state.labels) {\n if (label.name === maybeName) {\n this.raise(expr.start,
ErrorMessages.LabelRedeclaration, maybeName);\n }\n }\n\n const kind = this.state.type.isLoop ? \"loop\" :
this.match(types$1._switch) ? \"switch\" : null;\n\n for (let i = this.state.labels.length - 1; i >= 0; i--) {\n const
label = this.state.labels[i];\n\n if (label.statementStart === node.start) {\n label.statementStart =
this.state.start;\n label.kind = kind;\n } else {\n break;\n }\n }\n\n this.state.labels.push({\n name: maybeName,\n kind: kind,\n statementStart:
this.state.start\n });\n node.body = this.parseStatement(context ? context.indexOf(\"label\") === -1 ? context +
\"label\" : context : \"label\");\n this.state.labels.pop();\n node.label = expr;\n return this.finishNode(node,
\"LabeledStatement\");\n }\n\n parseExpressionStatement(node, expr) {\n node.expression = expr;\n
this.semicolon();\n return this.finishNode(node, \"ExpressionStatement\");\n }\n\n parseBlock(allowDirectives =
false, createNewLexicalScope = true, afterBlockParse) {\n const node = this.startNode();\n\n if (allowDirectives)
{\n this.state.strictErrors.clear();\n }\n\n this.expect(types$1.braceL);\n\n if (createNewLexicalScope) {\n
this.scope.enter(SCOPE_OTHER);\n }\n\n this.parseBlockBody(node, allowDirectives, false, types$1.braceR,
afterBlockParse);\n\n if (createNewLexicalScope) {\n this.scope.exit();\n }\n\n return this.finishNode(node, \"BlockStatement\");\n }\n\n isValidDirective(stmt) {\n return stmt.type
=== \"ExpressionStatement\" && stmt.expression.type === \"StringLiteral\" &&
!stmt.expression.extra.parenthesized;\n }\n\n parseBlockBody(node, allowDirectives, topLevel, end,
afterBlockParse) {\n const body = node.body = [];\n const directives = node.directives = [];\n\n this.parseBlockOrModuleBlockBody(body, allowDirectives ? directives : undefined, topLevel, end,
afterBlockParse);\n }\n\n parseBlockOrModuleBlockBody(body, directives, topLevel, end, afterBlockParse) {\n
const oldStrict = this.state.strict;\n let hasStrictModeDirective = false;\n let parsedNonDirective = false;\n\n while (!this.match(end)) {\n const stmt = this.parseStatement(null, topLevel);\n\n if (directives &&
!parsedNonDirective) {\n if (this.isValidDirective(stmt)) {\n const directive =
this.stmtToDirective(stmt);\n directives.push(directive);\n }\n\n if (!hasStrictModeDirective && directive.value.value === \"use strict\") {\n hasStrictModeDirective =
true;\n this.setStrict(true);\n }\n\n continue;\n }\n\n parsedNonDirective = true;\n
this.state.strictErrors.clear();\n }\n\n body.push(stmt);\n }\n\n if (afterBlockParse) {\n
afterBlockParse.call(this, hasStrictModeDirective);\n }\n\n if (!oldStrict) {\n this.setStrict(false);\n }\n\n
this.next();\n }\n\n parseFor(node, init) {\n node.init = init;\n this.semicolon(false);\n node.test =
this.match(types$1.semi) ? null : this.parseExpression();\n this.semicolon(false);\n node.update =
this.match(types$1.parenR) ? null : this.parseExpression();\n this.expect(types$1.parenR);\n node.body =
this.withTopicForbiddingContext(() => this.parseStatement(\"for\"));\n this.scope.exit();\n
this.state.labels.pop();\n return this.finishNode(node,
\"ForStatement\");\n }\n\n parseForIn(node, init, awaitAt) {\n const isForIn = this.match(types$1._in);\n\n this.next();\n\n if (isForIn) {\n if (awaitAt > -1) this.unexpected(awaitAt);\n } else {\n node.await =
awaitAt > -1;\n }\n\n if (init.type === \"VariableDeclaration\" && init.declarations[0].init != null && (!isForIn ||
this.state.strict || init.kind !== \"var\" || init.declarations[0].id.type !== \"Identifier\")) {\n this.raise(init.start,
ErrorMessages.ForInOfLoopInitializer, isForIn ? \"for-in\" : \"for-of\");\n } else if (init.type ===
\"AssignmentPattern\") {\n this.raise(init.start, ErrorMessages.InvalidLhs, \"for-loop\");\n }\n\n node.left =
init;\n node.right = isForIn ? this.parseExpression() : this.parseMaybeAssignAllowIn();\n
this.expect(types$1.parenR);\n node.body = this.withTopicForbiddingContext(() =>
this.parseStatement(\"for\"));\n this.scope.exit();\n this.state.labels.pop();\n return this.finishNode(node,
isForIn ? \"ForInStatement\" : \"ForOfStatement\");\n }\n\n parseVar(node, isFor, kind) {\n const declarations =
node.declarations = [];\n const isTypescript = this.hasPlugin(\"typescript\");\n node.kind = kind;\n\n for (;) {\n const decl = this.startNode();\n this.parseVarId(decl, kind);\n\n if (this.eat(types$1.eq)) {\n decl.init =
isFor ? this.parseMaybeAssignDisallowIn() : this.parseMaybeAssignAllowIn();\n } else {\n if (kind ===
\"const\" && !(this.match(types$1._in) || this.isContextual(\"of\"))) {\n if (!isTypescript) {\n
this.raise(this.state.lastTokEnd, ErrorMessages.DeclarationMissingInitializer, \"Const declarations\");\n }\n }\n }\n }\n

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} else if (decl.id.type !== "Identifier" && !(isFor && (this.match(types$1._in) || this.isContextual("of")))) {
 this.raise(this.state.lastTokEnd, ErrorMessages.DeclarationMissingInitializer, "Complex binding patterns");
}

decl.init = null;
declarations.push(this.finishNode(decl, "VariableDeclarator"));
if (!this.eat(types$1.comma)) break;
return node;
}

parseVarId(decl, kind) {
 decl.id = this.parseBindingAtom();
 this.checkLVal(decl.id, "variable declaration", kind === "var" ? BIND_VAR : BIND_LEXICAL, undefined, kind !== "var");
}

parseFunction(node, statement = FUNC_NO_FLAGS, isAsync = false) {
 const isStatement = statement & FUNC_STATEMENT;
 const isHangingStatement = statement & FUNC_HANGING_STATEMENT;
 const requireId = !isStatement && !(statement & FUNC_NULLABLE_ID);
 this.initFunction(node, isAsync);
 if (this.match(types$1.star) && isHangingStatement) {
 this.raise(this.state.start, ErrorMessages.GeneratorInSingleStatementContext);
 }
 node.generator = this.eat(types$1.star);
 if (isStatement) {
 node.id = this.parseFunctionId(requireId);
 }
 const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;
 this.state.maybeInArrowParameters = false;
 this.scope.enter(SCOPE_FUNCTION);
 this.prodParam.enter(functionFlags(isAsync, node.generator));
 if (!isStatement) {
 node.id = this.parseFunctionId();
 }
 this.parseFunctionParams(node, false);
 this.withTopicForbiddingContext(() => {
 this.parseFunctionBodyAndFinish(node, isStatement ? "FunctionDeclaration" : "FunctionExpression");
 });
 this.prodParam.exit();
 this.scope.exit();
 if (isStatement && !isHangingStatement) {
 this.registerFunctionStatementId(node);
 }
 this.state.maybeInArrowParameters = oldMaybeInArrowParameters;
 return node;
}

parseFunctionId(requireId) {
 return requireId || this.match(types$1.name) ? this.parseIdentifier() : null;
}

parseFunctionParams(node, allowModifiers) {
 this.expect(types$1.parenL);
 this.expressionScope.enter(new ParameterDeclarationScope());
 node.params = this.parseBindingList(types$1.parenR, 41, false, allowModifiers);
 this.expressionScope.exit();
}

registerFunctionStatementId(node) {
 if (!node.id) return;
 this.scope.declareName(node.id.name, this.state.strict || node.generator || node.async ? this.scope.treatFunctionsAsVar ? BIND_VAR : BIND_LEXICAL : BIND_FUNCTION, node.id.start);
}

parseClass(node, isStatement, optionalId) {
 this.next();
 this.takeDecorators(node);
 const oldStrict = this.state.strict;
 this.state.strict = true;
 this.parseClassId(node, isStatement, optionalId);
 this.parseClassSuper(node);
 node.body = this.parseClassBody(!node.superClass, oldStrict);
 return this.finishNode(node, isStatement ? "ClassDeclaration" : "ClassExpression");
}

isClassProperty() {
 return this.match(types$1.eq) || this.match(types$1.semi) || this.match(types$1.braceR);
}

isClassMethod() {
 return this.match(types$1.parenL);
}

isNonstaticConstructor(method) {
 return !method.computed && !method.static && (method.key.name === "constructor" || method.key.value === "constructor");
}

parseClassBody(hadSuperClass, oldStrict) {
 this.classScope.enter();
 const state = {
 hadConstructor: false,
 hadSuperClass
 };
 let decorators = [];
 const classBody = this.startNode();
 classBody.body = [];
 this.expect(types$1.braceL);
 this.withTopicForbiddingContext(() => {
 while (!this.match(types$1.braceR)) {
 if (this.eat(types$1.semi)) {
 if (decorators.length > 0) {
 throw this.raise(this.state.lastTokEnd, ErrorMessages.DecoratorSemicolon);
 }
 continue;
 }
 if (this.match(types$1.at)) {
 decorators.push(this.parseDecorator());
 continue;
 }
 const member = this.startNode();
 if (decorators.length) {
 member.decorators = decorators;
 this.resetStartLocationFromNode(member, decorators[0]);
 decorators = [];
 }
 this.parseClassMember(classBody, member, state);
 if (member.kind === "constructor" && member.decorators && member.decorators.length > 0) {
 this.raise(member.start, ErrorMessages.DecoratorConstructor);
 }
 this.state.strict = oldStrict;
 this.next();
 if (decorators.length) {
 throw this.raise(this.state.start, ErrorMessages.TrailingDecorator);
 }
 }
 });
 this.classScope.exit();
 return this.finishNode(classBody, "ClassBody");
}

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parseClassMemberFromModifier(classBody, member) {\n const key = this.parseIdentifier(true);\n\n if\n (this.isClassMethod()) {\n const method = member;\n method.kind = \"method\";\n method.computed =\n false;\n method.key = key;\n method.static = false;\n this.pushClassMethod(classBody, method, false,\n false, false,\n false);\n return true;\n } else if (this.isClassProperty()) {\n const prop = member;\n prop.computed =\n false;\n prop.key = key;\n prop.static = false;\n classBody.body.push(this.parseClassProperty(prop));\n return true;\n }\n\n return false;\n}\n\nparseClassMember(classBody, member, state) {\n const isStatic =\n this.isContextual(\"static\");\n\n if (isStatic) {\n if (this.parseClassMemberFromModifier(classBody, member))\n {\n return;\n }\n\n if (this.eat(types$1.braceL)) {\n this.parseClassStaticBlock(classBody, member);\n return;\n }\n }\n\n this.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n}\n\nparseClassMemberWithIsStatic(classBody, member, state, isStatic) {\n const publicMethod = member;\n const\n privateMethod = member;\n const publicProp = member;\n const privateProp = member;\n const method = =\n publicMethod;\n const publicMember = publicMethod;\n\n member.static = isStatic;\n\n if (this.eat(types$1.star)) {\n method.kind = \"method\";\n const\n isPrivateName = this.match(types$1.privateName);\n this.parseClassElementName(method);\n\n if\n (isPrivateName) {\n this.pushClassPrivateMethod(classBody, privateMethod, true, false);\n return;\n }\n\n if (this.isNonstaticConstructor(publicMethod)) {\n this.raise(publicMethod.key.start,\n ErrorMessages.ConstructorIsGenerator);\n }\n\n this.pushClassMethod(classBody, publicMethod, true, false,\n false, false);\n return;\n }\n\n const containsEsc = this.state.containsEsc;\n const isPrivate = =\n this.match(types$1.privateName);\n const key = this.parseClassElementName(member);\n const isSimple =\n key.type === \"Identifier\";\n const maybeQuestionTokenStart = this.state.start;\n this.parsePostMemberNameModifiers(publicMember);\n\n if (this.isClassMethod()) {\n method.kind =\n \"method\";\n\n if\n (isPrivate) {\n this.pushClassPrivateMethod(classBody, privateMethod, false, false);\n return;\n }\n\n const isConstructor = this.isNonstaticConstructor(publicMethod);\n let allowsDirectSuper = false;\n\n if\n (isConstructor) {\n publicMethod.kind = \"constructor\";\n\n if (state.hadConstructor &&\n !this.hasPlugin(\"typescript\")) {\n this.raise(key.start, ErrorMessages.DuplicateConstructor);\n }\n\n if (isConstructor && this.hasPlugin(\"typescript\") && member.override) {\n this.raise(key.start,\n ErrorMessages.OverrideOnConstructor);\n }\n\n state.hadConstructor = true;\n allowsDirectSuper =\n state.hadSuperClass;\n }\n\n this.pushClassMethod(classBody, publicMethod, false, false, isConstructor,\n allowsDirectSuper);\n } else if (this.isClassProperty()) {\n if (isPrivate) {\n this.pushClassPrivateProperty(classBody, privateProp);\n } else {\n this.pushClassProperty(classBody,\n publicProp);\n }\n } else if (isSimple && key.name === \"async\" && !containsEsc &&\n !this.isLineTerminator()) {\n const isGenerator = this.eat(types$1.star);\n\n if (publicMember.optional) {\n this.unexpected(maybeQuestionTokenStart);\n }\n\n method.kind = \"method\";\n const isPrivate =\n this.match(types$1.privateName);\n this.parseClassElementName(method);\n this.parsePostMemberNameModifiers(publicMember);\n\n if (isPrivate) {\n this.pushClassPrivateMethod(classBody, privateMethod, isGenerator, true);\n } else {\n if\n (this.isNonstaticConstructor(publicMethod)) {\n this.raise(publicMethod.key.start,\n ErrorMessages.ConstructorIsAsync);\n }\n\n this.pushClassMethod(classBody, publicMethod, isGenerator,\n true, false, false);\n }\n } else if (isSimple && (key.name === \"get\" || key.name === \"set\") && !containsEsc\n && !(this.match(types$1.star) && this.isLineTerminator()))\n {\n method.kind = key.name;\n const isPrivate = this.match(types$1.privateName);\n this.parseClassElementName(publicMethod);\n\n if (isPrivate) {\n this.pushClassPrivateMethod(classBody,\n privateMethod, false, false);\n } else {\n if (this.isNonstaticConstructor(publicMethod)) {\n this.raise(publicMethod.key.start, ErrorMessages.ConstructorIsAccessor);\n }\n\n this.pushClassMethod(classBody, publicMethod, false, false, false, false);\n }\n\n this.checkGetterSetterParams(publicMethod);\n } else if (this.isLineTerminator()) {\n if (isPrivate) {\n

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this.pushClassPrivateProperty(classBody, privateProp);\n } else {\n this.pushClassProperty(classBody,
publicProp);\n }\n } else {\n this.unexpected();\n }\n }\n\n parseClassElementName(member) {\n const
{\n type,\n value,\n start\n } = this.state;\n\n if ((type === types$1.name || type === types$1.string)
&& member.static && value === \"prototype\") {\n this.raise(start, ErrorMessages.StaticPrototype);\n }\n\n if (type === types$1.privateName && value === \"constructor\") {\n this.raise(start,
ErrorMessages.ConstructorClassPrivateField);\n }\n\n return this.parsePropertyName(member, true);\n }\n\n
parseClassStaticBlock(classBody, member) {\n var _member$decorators;\n\n this.expectPlugin(\"classStaticBlock\", member.start);\n this.scope.enter(SCOPE_CLASS |
SCOPE_STATIC_BLOCK | SCOPE_SUPER);\n const oldLabels = this.state.labels;\n this.state.labels = [];\n this.prodParam.enter(PARAM);\n const body = member.body = [];\n\n this.parseBlockOrModuleBlockBody(body, undefined, false, types$1.braceR);\n this.prodParam.exit();\n this.scope.exit();\n this.state.labels = oldLabels;\n classBody.body.push(this.finishNode(member,
\"StaticBlock\");\n\n if ((_member$decorators = member.decorators) != null && _member$decorators.length) {\n
 this.raise(member.start, ErrorMessages.DecoratorStaticBlock);\n }\n }\n\n pushClassProperty(classBody,
prop) {\n if (!prop.computed && (prop.key.name === \"constructor\" || prop.key.value === \"constructor\")) {\n
 this.raise(prop.key.start, ErrorMessages.ConstructorClassField);\n }\n\n classBody.body.push(this.parseClassProperty(prop));\n }\n\n pushClassPrivateProperty(classBody, prop) {\n
const node = this.parseClassPrivateProperty(prop);\n classBody.body.push(node);\n\n this.classScope.declarePrivateName(this.getPrivateNameSV(node.key), CLASS_ELEMENT_OTHER,
node.key.start);\n }\n\n pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor,
allowsDirectSuper) {\n classBody.body.push(this.parseMethod(method, isGenerator, isAsync, isConstructor,
allowsDirectSuper, \"ClassMethod\", true));\n }\n\n pushClassPrivateMethod(classBody, method, isGenerator,
isAsync) {\n const node = this.parseMethod(method, isGenerator, isAsync, false,
false, \"ClassPrivateMethod\", true);\n classBody.body.push(node);\n const kind = node.kind === \"get\" ?
node.static ? CLASS_ELEMENT_STATIC_GETTER : CLASS_ELEMENT_INSTANCE_GETTER : node.kind
=== \"set\" ? node.static ? CLASS_ELEMENT_STATIC_SETTER : CLASS_ELEMENT_INSTANCE_SETTER :
CLASS_ELEMENT_OTHER;\n this.classScope.declarePrivateName(this.getPrivateNameSV(node.key), kind,
node.key.start);\n }\n\n parsePostMemberNameModifiers(methodOrProp) {} \n\n parseClassPrivateProperty(node)
{\n this.parseInitializer(node);\n this.semicolon();\n return this.finishNode(node, \"ClassPrivateProperty\");\n
}\n\n parseClassProperty(node) {\n this.parseInitializer(node);\n this.semicolon();\n return
this.finishNode(node, \"ClassProperty\");\n }\n\n parseInitializer(node) {\n this.scope.enter(SCOPE_CLASS |
SCOPE_SUPER);\n this.expressionScope.enter(new ExpressionScope());\n this.prodParam.enter(PARAM);\n\n node.value = this.eat(types$1.eq) ? this.parseMaybeAssignAllowIn()
: null;\n this.expressionScope.exit();\n this.prodParam.exit();\n this.scope.exit();\n }\n\n parseClassId(node,
isStatement, optionalId, bindingType = BIND_CLASS) {\n if (this.match(types$1.name)) {\n node.id =
this.parseIdentifier();\n\n if (isStatement) {\n this.checkLVal(node.id, \"class name\", bindingType);\n }\n
 } else {\n if (optionalId || !isStatement) {\n node.id = null;\n } else {\n this.unexpected(null,
ErrorMessages.MissingClassName);\n }\n }\n\n parseClassSuper(node) {\n node.superClass =
this.eat(types$1._extends) ? this.parseExprSubscripts() : null;\n }\n\n parseExport(node) {\n const hasDefault =
this.maybeParseExportDefaultSpecifier(node);\n const parseAfterDefault = !hasDefault ||
this.eat(types$1.comma);\n const hasStar = parseAfterDefault && this.eatExportStar(node);\n const
hasNamespace = hasStar && this.maybeParseExportNamespaceSpecifier(node);\n const parseAfterNamespace
= parseAfterDefault && (!hasNamespace || this.eat(types$1.comma));\n const isFromRequired = hasDefault ||
hasStar;\n\n if (hasStar && !hasNamespace) {\n if (hasDefault) this.unexpected();\n this.parseExportFrom(node, true);\n return this.finishNode(node, \"ExportAllDeclaration\");\n }\n\n const
hasSpecifiers = this.maybeParseExportNamedSpecifiers(node);\n\n if (hasDefault && parseAfterDefault &&
!hasStar && !hasSpecifiers || hasNamespace && parseAfterNamespace && !hasSpecifiers) {\n throw
this.unexpected(null, types$1.braceL);\n }\n\n let hasDeclaration;\n\n if (isFromRequired || hasSpecifiers) {\n

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hasDeclaration = false;\n this.parseExportFrom(node, isFromRequired);\n } else {\n hasDeclaration =
this.maybeParseExportDeclaration(node);\n }\n\n if (isFromRequired || hasSpecifiers || hasDeclaration) {\n
this.checkExport(node, true, false, !!node.source);\n return this.finishNode(node,
\n\"ExportNamedDeclaration\n\");\n
 }\n\n if (this.eat(types$1._default)) {\n node.declaration = this.parseExportDefaultExpression();\n
this.checkExport(node, true, true);\n return this.finishNode(node, \"ExportDefaultDeclaration\n\");\n }\n\n
throw this.unexpected(null, types$1.braceL);\n }\n\n eatExportStar(node) {\n return this.eat(types$1.star);\n
 }\n\n maybeParseExportDefaultSpecifier(node) {\n if (this.isExportDefaultSpecifier()) {\n
this.expectPlugin(\"exportDefaultFrom\n\");\n const specifier = this.startNode();\n specifier.exported =
this.parseIdentifier(true);\n node.specifiers = [this.finishNode(specifier, \"ExportDefaultSpecifier\n\")];\n return
true;\n }\n\n return false;\n }\n\n maybeParseExportNamespaceSpecifier(node) {\n if
(this.isContextual(\"as\n\")) {\n if (!node.specifiers) node.specifiers = [];\n const specifier =
this.startNodeAt(this.state.lastTokStart, this.state.lastTokStartLoc);\n this.next();\n
 specifier.exported = this.parseModuleExportName();\n node.specifiers.push(this.finishNode(specifier,
\n\"ExportNamespaceSpecifier\n\"));\n return true;\n }\n\n return false;\n }\n\n
maybeParseExportNamedSpecifiers(node) {\n if (this.match(types$1.braceL)) {\n if (!node.specifiers)
node.specifiers = [];\n node.specifiers.push(...this.parseExportSpecifiers());\n node.source = null;\n
node.declaration = null;\n return true;\n }\n\n return false;\n }\n\n maybeParseExportDeclaration(node) {\n
if (this.shouldParseExportDeclaration()) {\n node.specifiers = [];\n node.source = null;\n node.declaration
= this.parseExportDeclaration(node);\n return true;\n }\n\n return false;\n }\n\n isAsyncFunction() {\n if
(!this.isContextual(\"async\n\")) return false;\n const next = this.nextTokenStart();\n return
!lineBreak.test(this.input.slice(this.state.pos, next)) && this.isUnparsedContextual(next, \"function\n\");\n
 }\n\n parseExportDefaultExpression() {\n const expr = this.startNode();\n const isAsync =
this.isAsyncFunction();\n\n if (this.match(types$1._function) || isAsync) {\n this.next();\n\n if (isAsync) {\n
 this.next();\n }\n\n return this.parseFunction(expr, FUNC_STATEMENT | FUNC_NULLABLE_ID,
isAsync);\n } else if (this.match(types$1._class)) {\n return this.parseClass(expr, true, true);\n } else if
(this.match(types$1.at)) {\n if (this.hasPlugin(\"decorators\n\") && this.getPluginOption(\"decorators\n\",
\n\"decoratorsBeforeExport\n\")) {\n this.raise(this.state.start, ErrorMessages.DecoratorBeforeExport);\n }\n\n
this.parseDecorators(false);\n return this.parseClass(expr, true, true);\n } else if (this.match(types$1._const) ||
this.match(types$1._var) || this.isLet()) {\n throw this.raise(this.state.start,
ErrorMessages.UnsupportedDefaultExport);\n } else {\n const res = this.parseMaybeAssignAllowIn();\n
 this.semicolon();\n return res;\n }\n }\n\n parseExportDeclaration(node) {\n return
this.parseStatement(null);\n }\n\n isExportDefaultSpecifier() {\n if (this.match(types$1.name)) {\n const value
= this.state.value;\n\n if (value === \"async\n\" && !this.state.containsEsc || value === \"let\n\") {\n return
false;\n }\n\n if ((value === \"type\n\" || value === \"interface\n\") && !this.state.containsEsc) {\n const l =
this.lookahead();\n\n if (l.type === types$1.name && l.value !== \"from\n\" || l.type === types$1.braceL) {\n
 this.expectOnePlugin([\"flow\n\", \"typescript\n\"]);\n return false;\n }\n }\n } else if
(!this.match(types$1._default)) {\n return false;\n }\n\n const next = this.nextTokenStart();\n const hasFrom
= this.isUnparsedContextual(next, \"from\n\");\n\n if (this.input.charCodeAtAt(next) === 44 ||
this.match(types$1.name) && hasFrom) {\n return true;\n }\n\n if (this.match(types$1._default) && hasFrom) {\n const nextAfterFrom =
this.input.charCodeAtAt(this.nextTokenStartSince(next + 4));\n return nextAfterFrom === 34 || nextAfterFrom ===
39;\n }\n\n return false;\n }\n\n parseExportFrom(node, expect) {\n if (this.eatContextual(\"from\n\")) {\n
node.source = this.parseImportSource();\n this.checkExport(node);\n const assertions =
this.maybeParseImportAssertions();\n if (assertions) {\n node.assertions = assertions;\n }\n } else {\n
if (expect) {\n this.unexpected();\n }\n node.source = null;\n }\n\n this.semicolon();\n
 }\n\n shouldParseExportDeclaration() {\n if (this.match(types$1.at)) {\n this.expectOnePlugin([\"decorators\n\",
\n\"decorators-legacy\n\"]);\n if (this.hasPlugin(\"decorators\n\")) {\n if (this.getPluginOption(\"decorators\n\",

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 this.expectContextual("\from\");\n }\n\n node.source = this.parseImportSource();\n const assertions =
this.maybeParseImportAssertions();\n\n if (assertions) {\n node.assertions = assertions;\n } else {\n const
attributes = this.maybeParseModuleAttributes();\n\n if (attributes) {\n node.attributes = attributes;\n }\n
}\n\n this.semicolon();\n return this.finishNode(node, "ImportDeclaration");\n }\n\n parseImportSource() {\n
if (!this.match(types$1.string)) this.unexpected();\n return this.parseExprAtom();\n }\n\n shouldParseDefaultImport(node) {\n
return this.match(types$1.name);\n }\n\n parseImportSpecifierLocal(node,
specifier, type, contextDescription) {\n specifier.local = this.parseIdentifier();\n this.checkLVal(specifier.local,
contextDescription, BIND_LEXICAL);\n node.specifiers.push(this.finishNode(specifier, type));\n }\n\n parseAssertEntries() {\n
const attrs = [];\n const
attrNames = new Set();\n\n do {\n if (this.match(types$1.braceR)) {\n break;\n }\n\n const node =
this.startNode();\n const keyName = this.state.value;\n\n if (this.match(types$1.string)) {\n node.key =
this.parseLiteral(keyName, "StringLiteral");\n } else {\n node.key = this.parseIdentifier(true);\n }\n\n this.expect(types$1.colon);\n\n if (keyName !== "type") {\n this.raise(node.key.start,
ErrorMessages.ModuleAttributeDifferentFromType, keyName);\n }\n\n if (attrNames.has(keyName)) {\n this.raise(node.key.start, ErrorMessages.ModuleAttributesWithDuplicateKeys, keyName);\n }\n\n attrNames.add(keyName);\n\n if (!this.match(types$1.string)) {\n throw this.unexpected(this.state.start,
ErrorMessages.ModuleAttributeInvalidValue);\n }\n\n node.value = this.parseLiteral(this.state.value,
"StringLiteral");\n this.finishNode(node, "ImportAttribute");\n\n attrs.push(node);\n } while (this.eat(types$1.comma));\n\n return attrs;\n }\n\n maybeParseModuleAttributes() {\n if (this.match(types$1._with) && !this.hasPrecedingLineBreak()) {\n
this.expectPlugin("moduleAttributes");\n this.next();\n } else {\n if (this.hasPlugin("moduleAttributes"))\n return [];\n return null;\n }\n\n const attrs = [];\n const attributes = new Set();\n\n do {\n const node =
this.startNode();\n node.key = this.parseIdentifier(true);\n\n if (node.key.name !== "type") {\n this.raise(node.key.start, ErrorMessages.ModuleAttributeDifferentFromType, node.key.name);\n }\n\n if
(attributes.has(node.key.name)) {\n this.raise(node.key.start,
ErrorMessages.ModuleAttributesWithDuplicateKeys, node.key.name);\n }\n\n attributes.add(node.key.name);\n this.expect(types$1.colon);\n\n if (!this.match(types$1.string)) {\n throw
this.unexpected(this.state.start, ErrorMessages.ModuleAttributeInvalidValue);\n }\n\n node.value = this.parseLiteral(this.state.value, "StringLiteral");\n this.finishNode(node,
"ImportAttribute");\n attrs.push(node);\n } while (this.eat(types$1.comma));\n\n return attrs;\n }\n\n maybeParseImportAssertions() {\n if (this.isContextual("assert") && !this.hasPrecedingLineBreak()) {\n
this.expectPlugin("importAssertions");\n this.next();\n } else {\n if (this.hasPlugin("importAssertions"))\n return [];\n return null;\n }\n\n this.eat(types$1.braceL);\n const attrs = this.parseAssertEntries();\n this.eat(types$1.braceR);\n return attrs;\n }\n\n maybeParseDefaultImportSpecifier(node) {\n if
(this.shouldParseDefaultImport(node)) {\n this.parseImportSpecifierLocal(node, this.startNode(),
"ImportDefaultSpecifier", "default import specifier");\n return true;\n }\n\n return false;\n }\n\n maybeParseStarImportSpecifier(node) {\n if
(this.match(types$1.star)) {\n const specifier = this.startNode();\n this.next();\n\n this.expectContextual("as");\n this.parseImportSpecifierLocal(node, specifier, "ImportNamespaceSpecifier",
"import namespace specifier");\n return true;\n }\n\n return false;\n }\n\n parseNamedImportSpecifiers(node) {\n let first = true;\n this.expect(types$1.braceL);\n\n while
(!this.eat(types$1.braceR)) {\n if (first) {\n first = false;\n } else {\n if (this.eat(types$1.colon)) {\n throw this.raise(this.state.start, ErrorMessages.DestructureNamedImport);\n }\n }\n\n this.expect(types$1.comma);\n if (this.eat(types$1.braceR)) break;\n }\n\n this.parseImportSpecifier(node);\n }\n\n parseImportSpecifier(node) {\n const specifier =
this.startNode();\n specifier.imported = this.parseModuleExportName();\n\n if (this.eatContextual("as")) {\n specifier.local = this.parseIdentifier();\n

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 } else {\n const {\n imported\n } = specifier;\n if (imported.type === \"StringLiteral\") {\n throw this.raise(specifier.start, ErrorMessages.ImportBindingIsString, imported.value);\n }\n this.checkReservedWord(imported.name, specifier.start, true, true);\n specifier.local = imported.__clone();\n }\n this.checkLVal(specifier.local, \"import specifier\", BIND_LEXICAL);\n node.specifiers.push(this.finishNode(specifier, \"ImportSpecifier\"));\n }\n isThisParam(param) {\n return param.type === \"Identifier\" && param.name === \"this\";\n }\n}\n\nclass Parser extends StatementParser {\n constructor(options, input) {\n options = getOptions(options);\n super(options, input);\n this.options = options;\n this.initializeScopes();\n this.plugins = pluginsMap(this.options.plugins);\n this.filename = options.sourceFilename;\n }\n getScopeHandler() {\n return ScopeHandler;\n }\n parse() {\n this.enterInitialScopes();\n const file = this.startNode();\n const program = this.startNode();\n this.nextToken();\n file.errors = null;\n this.parseTopLevel(file, program);\n file.errors = this.state.errors;\n return file;\n }\n \n function pluginsMap(plugins) {\n const pluginMap = new Map();\n for (const plugin of plugins) {\n const [name, options] = Array.isArray(plugin) ? plugin : [plugin, {}];\n if (!pluginMap.has(name)) {\n pluginMap.set(name, options || {});\n }\n }\n return pluginMap;\n }\n \n function parse(input, options) {\n var _options;\n if (((_options = options) == null ? void 0 : _options.sourceType) === \"unambiguous\") {\n options = Object.assign({}, options);\n try {\n options.sourceType = \"module\";\n const parser = getParser(options, input);\n const ast = parser.parse();\n if (parser.sawUnambiguousESM) {\n return ast;\n }\n if (parser.ambiguousScriptDifferentAst) {\n try {\n options.sourceType = \"script\";\n return getParser(options, input).parse();\n } catch (_unused) {}\n }\n } else {\n ast.program.sourceType = \"script\";\n return ast;\n } catch (moduleError) {\n try {\n options.sourceType = \"script\";\n return getParser(options, input).parse();\n } catch (_unused2) {}\n }\n throw moduleError;\n } else {\n return getParser(options, input).parse();\n }\n }\n \n function parseExpression(input, options) {\n const parser = getParser(options, input);\n if (parser.options.strictMode) {\n parser.state.strict = true;\n }\n return parser.getExpression();\n }\n \n function getParser(options, input) {\n let cls = Parser;\n if (options != null && options.plugins) {\n validatePlugins(options.plugins);\n cls = getParserClass(options.plugins);\n }\n return new cls(options, input);\n }\n \n const parserClassCache = {};\n \n function getParserClass(pluginsFromOptions) {\n const pluginList = mixinPluginNames.filter(name => hasPlugin(pluginsFromOptions, name));\n const key = pluginList.join(\"/\");\n let cls = parserClassCache[key];\n if (!cls) {\n cls = Parser;\n for (const plugin of pluginList) {\n cls = mixinPlugins[plugin](cls);\n }\n parserClassCache[key] = cls;\n }\n return cls;\n }\n \n exports.parse = parse;\n exports.parseExpression = parseExpression;\n exports.tokenTypes = types$1;\n \n // sourceMappingURL=index.js.map\n \"\"use strict\";\n \n Object.defineProperty(exports, \"__esModule\", {\n value: true\n });\n \n exports.default = literalTemplate;\n \n var _options = require(\"./options\");\n \n var _parse = _interopRequireDefault(require(\"./parse\"));\n \n var _populate = _interopRequireDefault(require(\"./populate\"));\n \n function _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n \n function literalTemplate(formatter, tpl, opts) {\n const {\n metadata,\n names\n } = buildLiteralData(formatter, tpl, opts);\n return arg => {\n const defaultReplacements = {};\n arg.forEach((replacement, i) => {\n defaultReplacements[names[i]] = replacement;\n });\n return arg => {\n const replacements = (0, _options.normalizeReplacements)(arg);\n if (replacements) {\n Object.keys(replacements).forEach(key => {\n if (Object.prototype.hasOwnProperty.call(defaultReplacements, key)) {\n throw new Error(\"Unexpected replacement overlap.\");\n }\n });\n }\n return formatter.unwrap((0, _populate.default)(metadata, replacements ? Object.assign(replacements, defaultReplacements) : defaultReplacements));\n }\n };\n }\n \n function buildLiteralData(formatter, tpl, opts) {\n let names;\n let nameSet;\n let metadata;\n let prefix = \"\";\n do {\n prefix += \"$\";\n const result = buildTemplateCode(tpl, prefix);\n names = result.names;\n nameSet = new Set(names);\n metadata = (0, _parse.default)(formatter, formatter.code(result.code), {\n parser: opts.parser,\n placeholderWhitelist: new Set(result.names.concat(opts.placeholderWhitelist ? Array.from(opts.placeholderWhitelist) : [])),\n });\n } while (names.length > 0);\n }\n}

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placeholderPattern: opts.placeholderPattern,\n preserveComments: opts.preserveComments,\n
syntacticPlaceholders: opts.syntacticPlaceholders\n });\n } while (metadata.placeholders.some(placeholder =>
placeholder.isDuplicate && nameSet.has(placeholder.name))); \n\n return {\n metadata,\n names\n
};\n}\n\nfunction buildTemplateCode(tpl, prefix) {\n const names = [];\n let code = tpl[0];\n\n for (let i = 1; i <
tpl.length; i++) {\n const value = `${prefix}${i - 1}`;\n names.push(value);\n code += value + tpl[i];\n }\n\n return {\n names,\n code\n }; \n } , ""use strict";\n\nObject.defineProperty(exports, "__esModule", { \n value:
true\n});\n\nexports.matchesPattern = matchesPattern;\nexports.has = has;\nexports.isStatic = isStatic;\nexports.isnt
= isnt;\nexports.equals = equals;\nexports.isNodeType =
isNodeType;\nexports.canHaveVariableDeclarationOrExpression =
canHaveVariableDeclarationOrExpression;\nexports.canSwapBetweenExpressionAndStatement =
canSwapBetweenExpressionAndStatement;\nexports.isCompletionRecord =
isCompletionRecord;\nexports.isStatementOrBlock = isStatementOrBlock;\nexports.referencesImport =
referencesImport;\nexports.getSource = getSource;\nexports.willIMaybeExecuteBefore =
willIMaybeExecuteBefore;\nexports._guessExecutionStatusRelativeTo =
_guessExecutionStatusRelativeTo;\nexports._guessExecutionStatusRelativeToDifferentFunctions =
_guessExecutionStatusRelativeToDifferentFunctions;\nexports.resolve = resolve;\nexports._resolve =
_resolve;\nexports.isConstantExpression = isConstantExpression;\nexports.isInStrictMode =
isInStrictMode;\nexports.is = void 0;\n\nvar t = _interopRequireWildcard(require("@babel/types"));\n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== "function")
return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; }; return cache;
}\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof
obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction matchesPattern(pattern, allowPartial) {\n return
t.matchesPattern(this.node, pattern, allowPartial);\n}\n\nfunction has(key)
{\n const val = this.node && this.node[key];\n\n if (val && Array.isArray(val)) {\n return !!val.length;\n } else
{\n return !!val;\n }\n}\n\nfunction isStatic() {\n return this.scope.isStatic(this.node);\n}\n\nconst is =
has;\n\nexports.is = is;\n\nfunction isnt(key) {\n return !this.has(key);\n}\n\nfunction equals(key, value) {\n return
this.node[key] === value;\n}\n\nfunction isNodeType(type) {\n return t.isType(this.type, type);\n}\n\nfunction
canHaveVariableDeclarationOrExpression() {\n return (this.key === "init" || this.key === "left") &&
this.parentPath.isFor();\n}\n\nfunction canSwapBetweenExpressionAndStatement(replacement) {\n if (this.key !==
"body" || !this.parentPath.isArrowFunctionExpression()) {\n return false;\n }\n\n if (this.isExpression()) {\n
return t.isBlockStatement(replacement);\n } else if (this.isBlockStatement()) {\n return
t.isExpression(replacement);\n }\n\n return false;\n}\n\nfunction isCompletionRecord(allowInsideFunction)
{\n let path = this;\n let first = true;\n\n do {\n const container = path.container;\n\n if (path.isFunction() &&
!first) {\n return !!allowInsideFunction;\n }\n\n first = false;\n\n if (Array.isArray(container) && path.key
!== container.length - 1) {\n return false;\n }\n } while ((path = path.parentPath) && !path.isProgram());\n\n return true;\n}\n\nfunction isStatementOrBlock() {\n if (this.parentPath.isLabeledStatement() ||
t.isBlockStatement(this.container)) {\n return false;\n } else {\n return
t.STATEMENT_OR_BLOCK_KEYS.includes(this.key);\n }\n}\n\nfunction referencesImport(moduleSource,
importName) {\n if (!this.isReferencedIdentifier()) return false;\n const binding =
this.scope.getBinding(this.node.name);\n if (!binding || binding.kind !== "module") return false;\n const path =
binding.path;\n const parent = path.parentPath;\n if (!parent.isImportDeclaration()) return false;\n if
(parent.node.source.value === moduleSource)

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 {\n if (!importName) return true;\n } else {\n return false;\n }\n\n if (path.isImportDefaultSpecifier() &&
importName === \"default\") {\n return true;\n }\n\n if (path.isImportNamespaceSpecifier() && importName
=== \"*\") {\n return true;\n }\n\n if (path.isImportSpecifier() && path.node.imported.name === importName)
{\n return true;\n }\n\n return false;\n }\n\nfunction getSource() {\n const node = this.node;\n\n if (node.end) {\n
const code = this.hub.getCode();\n if (code) return code.slice(node.start, node.end);\n }\n\n return
\"\";\n }\n\nfunction willIMaybeExecuteBefore(target) {\n return this._guessExecutionStatusRelativeTo(target) !==
\"after\";\n }\n\nfunction getOuterFunction(path) {\n return (path.scope.getFunctionParent() ||
path.scope.getProgramParent()).path;\n }\n\nfunction isExecutionUncertain(type, key) {\n switch (type) {\n case
\"LogicalExpression\":\n return key === \"right\";\n\n case \"ConditionalExpression\":\n
 case \"IfStatement\":\n return key === \"consequent\" || key === \"alternate\";\n\n case \"WhileStatement\":\n
 case \"DoWhileStatement\":\n case \"ForInStatement\":\n case \"ForOfStatement\":\n return key ===
\"body\";\n\n case \"ForStatement\":\n return key === \"body\" || key === \"update\";\n\n case
\"SwitchStatement\":\n return key === \"cases\";\n\n case \"TryStatement\":\n return key ===
\"handler\";\n\n case \"AssignmentPattern\":\n return key === \"right\";\n\n case
\"OptionalMemberExpression\":\n return key === \"property\";\n\n case \"OptionalCallExpression\":\n
 return key === \"arguments\";\n\n default:\n return false;\n }\n }\n\nfunction isExecutionUncertainInList(paths,
maxIndex) {\n for (let i = 0; i < maxIndex; i++) {\n const path = paths[i];\n\n if
(isExecutionUncertain(path.parent.type, path.parentKey)) {\n return true;\n }\n }\n\n return
false;\n }\n\nfunction _guessExecutionStatusRelativeTo(target)
{\n const funcParent = {\n this: getOuterFunction(this),\n target: getOuterFunction(target)\n };\n\n if
(funcParent.target.node !== funcParent.this.node) {\n return
this._guessExecutionStatusRelativeToDifferentFunctions(funcParent.target);\n }\n\n const paths = {\n target:
target.getAncestry(),\n this: this.getAncestry()\n };\n\n if (paths.target.indexOf(this) >= 0) return \"after\";\n if
(paths.this.indexOf(target) >= 0) return \"before\";\n\n let commonPath;\n const commonIndex = {\n target: 0,\n this: 0\n };\n\n while (!commonPath && commonIndex.this < paths.this.length) {\n const path =
paths.this[commonIndex.this];\n commonIndex.target = paths.target.indexOf(path);\n\n if (commonIndex.target
>= 0) {\n commonPath = path;\n } else {\n commonIndex.this++;\n }\n }\n\n if (!commonPath) {\n throw new Error(\"Internal Babel error - The two compared nodes\" + \" don't appear to belong to the same
program.\");\n }\n\n if (isExecutionUncertainInList(paths.this, commonIndex.this - 1) || isExecutionUncertainInList(paths.target,
commonIndex.target - 1)) {\n return \"unknown\";\n }\n\n const divergence = {\n this:
paths.this[commonIndex.this - 1],\n target: paths.target[commonIndex.target - 1]\n };\n\n if
(divergence.target.listKey && divergence.this.listKey && divergence.target.container ===
divergence.this.container) {\n return divergence.target.key > divergence.this.key ? \"before\" : \"after\";\n }\n\n const keys = t.VISITOR_KEYS[commonPath.type];\n const keyPosition = {\n this:
keys.indexOf(divergence.this.parentKey),\n target: keys.indexOf(divergence.target.parentKey)\n };\n\n return
keyPosition.target > keyPosition.this ? \"before\" : \"after\";\n }\n\n const executionOrderCheckedNodes = new
WeakSet();\n\n function _guessExecutionStatusRelativeToDifferentFunctions(target) {\n if
(!target.isFunctionDeclaration() || target.parentPath.isExportDeclaration()) {\n return \"unknown\";\n }\n\n const binding = target.scope.getBinding(target.node.id.name);\n\n if
(!binding.references) return \"before\";\n\n const referencePaths = binding.referencePaths;\n let allStatus;\n\n for
(const path of referencePaths) {\n const childOfFunction = !!path.find(path => path.node === target.node);\n if
(childOfFunction) continue;\n\n if (path.key !== \"callee\" || !path.parentPath.isCallExpression()) {\n return
\"unknown\";\n }\n\n if (executionOrderCheckedNodes.has(path.node)) continue;\n\n executionOrderCheckedNodes.add(path.node);\n\n const status = this._guessExecutionStatusRelativeTo(path);\n\n executionOrderCheckedNodes.delete(path.node);\n\n if (allStatus && allStatus !== status) {\n return
\"unknown\";\n } else {\n allStatus = status;\n }\n }\n\n return allStatus;\n }\n\n function resolve(dangerous,
resolved) {\n return this._resolve(dangerous, resolved) || this;\n }\n\n function _resolve(dangerous, resolved)

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 {\n if (resolved && resolved.indexOf(this) >= 0) return;\n resolved = resolved || [];\n resolved.push(this);\n\n if
(this.isVariableDeclarator()) {\n if (this.get(\"id\").isIdentifier()) {\n return this.get(\"init\").resolve(dangerous,
resolved);\n } else {} } else if (this.isReferencedIdentifier()) {\n const binding =
this.scope.getBinding(this.node.name);\n if (!binding) return;\n if (!binding.constant) return;\n if (binding.kind
=== \"module\") return;\n\n if (binding.path !== this) {\n const ret = binding.path.resolve(dangerous,
resolved);\n if (this.find(parent => parent.node === ret.node)) return;\n return ret;\n } } else if
(this.isTypeCastExpression()) {\n return this.get(\"expression\").resolve(dangerous, resolved);\n } else if
(dangerous && this.isMemberExpression()) {\n const targetKey = this.toComputedKey();\n if
(!t.isLiteral(targetKey)) return;\n const targetName = targetKey.value;\n const target =
this.get(\"object\").resolve(dangerous, resolved);\n\n if (target.isObjectExpression()) {\n const props =
target.get(\"properties\");\n\n for (const prop of props) {\n if (!prop.isProperty()) continue;\n const key =
prop.get(\"key\");\n let match = prop.isnt(\"computed\") && key.isIdentifier({\n name: targetName\n
});\n match = match || key.isLiteral({\n value: targetName\n });\n if (match) return
prop.get(\"value\").resolve(dangerous, resolved);\n } } else if (target.isArrayExpression() &&
!isNaN(+targetName)) {\n const elems = target.get(\"elements\");\n const elem = elems[targetName];\n if
(elem) return elem.resolve(dangerous, resolved);\n } } }\n\nfunction isConstantExpression() {\n if
(this.isIdentifier()) {\n const binding = this.scope.getBinding(this.node.name);\n if (!binding) return false;\n
return binding.constant;\n } }\n\n if (this.isLiteral()) {\n if
(this.isRegExpLiteral()) {\n return false;\n } }\n\n if (this.isTemplateLiteral()) {\n return
this.get(\"expressions\").every(expression => expression.isConstantExpression());\n }\n\n return true;\n } }\n\n if
(this.isUnaryExpression()) {\n if (this.get(\"operator\").node !== \"void\") {\n return false;\n } }\n\n return
this.get(\"argument\").isConstantExpression();\n } }\n\n if (this.isBinaryExpression()) {\n return
this.get(\"left\").isConstantExpression() && this.get(\"right\").isConstantExpression();\n } }\n\n return
false;\n } }\n\nfunction isInStrictMode() {\n const start = this.isProgram() ? this : this.parentPath;\n const strictParent
= start.find(path => {\n if (path.isProgram({\n sourceType: \"module\"\n }))) return true;\n if (path.isClass())
return true;\n if (!path.isProgram() && !path.isFunction()) return false;\n\n if
(path.isArrowFunctionExpression() && !path.get(\"body\").isBlockStatement()) {\n return false;\n
}\n\n let {\n node\n } = path;\n if (path.isFunction()) node = node.body;\n\n for (const directive of
node.directives) {\n if (directive.value.value === \"use strict\") {\n return true;\n } }\n });\n return
!!strictParent;\n } }\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\nexports.call = call;\nexports._call = _call;\nexports.isBlacklisted = exports.isDenylisted =
isDenylisted;\nexports.visit = visit;\nexports.skip = skip;\nexports.skipKey = skipKey;\nexports.stop =
stop;\nexports.setScope = setScope;\nexports.setContext = setContext;\nexports.resync =
resync;\nexports._resyncParent = _resyncParent;\nexports._resyncKey = _resyncKey;\nexports._resyncList =
_resyncList;\nexports._resyncRemoved = _resyncRemoved;\nexports.popContext =
popContext;\nexports.pushContext = pushContext;\nexports.setup = setup;\nexports.setKey =
setKey;\nexports.requeue = requeue;\nexports._getQueueContexts = _getQueueContexts;\n\nvar
_index = _interopRequireDefault(require(\"../index\"));\n\nvar _index2 = require(\"../index\");\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction call(key) {\n
const opts = this.opts;\n this.debug(key);\n\n if (this.node) {\n if (this._call(opts[key])) return true;\n } }\n\n if
(this.node) {\n return this._call(opts[this.node.type] && opts[this.node.type][key]);\n } }\n\n return
false;\n } }\n\nfunction _call(fns) {\n if (!fns) return false;\n\n for (const fn of fns) {\n if (!fn) continue;\n const
node = this.node;\n if (!node) return true;\n const ret = fn.call(this.state, this, this.state);\n\n if (ret && typeof
ret === \"object\" && typeof ret.then === \"function\") {\n throw new Error(`You appear to be using a plugin
with an async traversal visitor, ` + `which your current version of Babel does not support. ` + `If you're using a
published plugin, you may need to upgrade ` + `your @babel/core
version.`);\n } }\n\n if (ret) {\n throw new Error(`Unexpected return value from visitor method ${fn}`);\n
}\n\n if (this.node !== node) return true;\n if (this._traverseFlags > 0) return true;\n } }\n\n return

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false;\n}\n\nfunction isDenylisted() {\n var _this$opts$denylist;\n\n const denylist = (_this$opts$denylist =
this.opts.denylist) != null ? _this$opts$denylist : this.opts.blacklist;\n return denylist &&
denylist.indexOf(this.node.type) > -1;\n}\n\nfunction visit() {\n if (!this.node) {\n return false;\n }\n\n if
(this.isDenylisted()) {\n return false;\n }\n\n if (this.opts.shouldSkip && this.opts.shouldSkip(this)) {\n return
false;\n }\n\n if (this.shouldSkip || this.call("\enter")) || this.shouldSkip) {\n this.debug("\Skip...");\n return
this.shouldStop;\n }\n\n this.debug("\Recurring into...");\n\n _index.default.node(this.node, this.opts, this.scope,
this.state, this, this.skipKeys);\n\n this.call("\exit");\n return
this.shouldStop;\n}\n\nfunction skip() {\n this.shouldSkip = true;\n}\n\nfunction skipKey(key) {\n if
(this.skipKeys == null) {\n this.skipKeys = {};\n }\n\n this.skipKeys[key] = true;\n}\n\nfunction stop() {\n
this._traverseFlags |= _index2.SHOULD_SKIP | _index2.SHOULD_STOP;\n}\n\nfunction setScope() {\n if
(this.opts && this.opts.noScope) return;\n let path = this.parentPath;\n let target;\n\n while (path && !target) {\n
if (path.opts && path.opts.noScope) return;\n target = path.scope;\n path = path.parentPath;\n }\n\n this.scope
= this.getScope(target);\n if (this.scope) this.scope.init();\n}\n\nfunction setContext(context) {\n if (this.skipKeys
!= null) {\n this.skipKeys = {};\n }\n\n this._traverseFlags = 0;\n\n if (context) {\n this.context = context;\n
this.state = context.state;\n this.opts = context.opts;\n }\n\n this.setScope();\n return this;\n}\n\nfunction resync()
{\n if (this.removed) return;\n\n this._resyncParent();\n\n this._resyncList();\n\n
this._resyncKey();\n}\n\nfunction _resyncParent() {\n if (this.parentPath) {\n this.parent =
this.parentPath.node;\n }\n}\n\nfunction _resyncKey() {\n if (!this.container) return;\n if (this.node ===
this.container[this.key]) return;\n\n if (Array.isArray(this.container)) {\n for (let i = 0; i < this.container.length;
i++) {\n if (this.container[i] === this.node) {\n return this.setKey(i);\n }\n }\n } else {\n for (const
key of Object.keys(this.container)) {\n if (this.container[key] === this.node) {\n return this.setKey(key);\n
 }\n }\n }\n\n this.key = null;\n}\n\nfunction _resyncList() {\n if (!this.parent || !this.inList) return;\n const
newContainer = this.parent[this.listKey];\n if (this.container === newContainer) return;\n this.container =
newContainer || null;\n}\n\nfunction _resyncRemoved() {\n if (this.key == null || !this.container ||
this.container[this.key] !== this.node) {\n this._markRemoved();\n }\n}\n\nfunction popContext() {\n this.contexts.pop();\n\n if (this.contexts.length > 0) {\n
this.setContext(this.contexts[this.contexts.length - 1]);\n } else {\n this.setContext(undefined);\n }\n}\n\nfunction
pushContext(context) {\n this.contexts.push(context);\n this.setContext(context);\n}\n\nfunction setup(parentPath,
container, listKey, key) {\n this.listKey = listKey;\n this.container = container;\n this.parentPath = parentPath ||
this.parentPath;\n this.setKey(key);\n}\n\nfunction setKey(key) {\n var _this$node;\n\n this.key = key;\n this.node
= this.container[this.key];\n this.type = (_this$node = this.node) == null ? void 0 : _this$node.type;\n}\n\nfunction
requeue(pathToQueue = this) {\n if (pathToQueue.removed) return;\n const contexts = this.contexts;\n\n for (const
context of contexts) {\n context.maybeQueue(pathToQueue);\n }\n}\n\nfunction _getQueueContexts() {\n let
path = this;\n let contexts = this.contexts;\n\n while (!contexts.length) {\n path = path.parentPath;\n if (!path) break;\n contexts = path.contexts;\n }\n\n return contexts;\n}","use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.remove =
remove;\n\nexports._removeFromScope = _removeFromScope;\n\nexports._callRemovalHooks =
_callRemovalHooks;\n\nexports._remove = _remove;\n\nexports._markRemoved =
_markRemoved;\n\nexports._assertUnremoved = _assertUnremoved;\n\nvar _removalHooks =
require("\lib/removal-hooks");\n\nvar _index = require("\index");\n\nfunction remove() {\n var _this$opts;\n\n this._assertUnremoved();\n\n this.resync();\n\n if (!((_this$opts = this.opts) == null ? void 0 : _this$opts.noScope))
{\n this._removeFromScope();\n }\n\n if (this._callRemovalHooks()) {\n this._markRemoved();\n\n return;\n }\n\n this.shareCommentsWithSiblings();\n\n this._remove();\n\n this._markRemoved();\n}\n\nfunction
_removeFromScope() {\n const bindings = this.getBindingIdentifiers();\n\n Object.keys(bindings).forEach(name => this.scope.removeBinding(name));\n}\n\nfunction _callRemovalHooks()
{\n for (const fn of _removalHooks.hooks) {\n if (fn(this, this.parentPath)) return true;\n }\n}\n\nfunction
_remove() {\n if (Array.isArray(this.container)) {\n this.container.splice(this.key, 1);\n\n this.updateSiblingKeys(this.key, -1);\n } else {\n this._replaceWith(null);\n }\n}\n\nfunction _markRemoved()

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{\n this._traverseFlags |= _index.SHOULD_SKIP | _index.REMOVED;\n this.node = null;\n}\n\nfunction
_assertUnremoved() {\n if (this.removed) {\n throw this.buildCodeFrameError("\nNodePath has been removed so
is read-only.\n");\n }\n},"use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.hooks = void 0;\n\nconst hooks = [function (self, parent) {\n const removeParent = self.key ===
\"test\" && (parent.isWhile() || parent.isSwitchCase()) || self.key === \"declaration\" &&
parent.isExportDeclaration() || self.key
=== \"body\" && parent.isLabeledStatement() || self.listKey === \"declarations\" &&
parent.isVariableDeclaration() && parent.node.declarations.length === 1 || self.key === \"expression\" &&
parent.isExpressionStatement();\n\n if (removeParent) {\n parent.remove();\n return true;\n }\n}, function (self,
parent) {\n if (parent.isSequenceExpression() && parent.node.expressions.length === 1) {\n
parent.replaceWith(parent.node.expressions[0]);\n return true;\n }\n}, function (self, parent) {\n if
(parent.isBinary()) {\n if (self.key === \"left\") {\n parent.replaceWith(parent.node.right);\n } else {\n
parent.replaceWith(parent.node.left);\n }\n\n return true;\n }\n}, function (self, parent) {\n if
(parent.isIfStatement() && (self.key === \"consequent\" || self.key === \"alternate\") || self.key === \"body\" &&
(parent.isLoop() || parent.isArrowFunctionExpression())) {\n self.replaceWith({\n type: \"BlockStatement\",
body: []\n
});\n return true;\n }\n}];\n\nexports.hooks = hooks;"},"use strict";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.insertBefore = insertBefore;\n\nexports._containerInsert =
_containerInsert;\n\nexports._containerInsertBefore = _containerInsertBefore;\n\nexports._containerInsertAfter =
_containerInsertAfter;\n\nexports.insertAfter = insertAfter;\n\nexports.updateSiblingKeys =
updateSiblingKeys;\n\nexports._verifyNodeList = _verifyNodeList;\n\nexports.unshiftContainer =
unshiftContainer;\n\nexports.pushContainer = pushContainer;\n\nexports.hoist = hoist;\n\n\nvar _cache =
require(\"./cache\");\n\nvar _hoister = _interopRequireDefault(require(\"./lib/hoister\"));\n\nvar _index =
_interopRequireDefault(require(\"./index\"));\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return
cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null ||
typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction insertBefore(nodes) {\n this._assertUnremoved();\n\n nodes
= this._verifyNodeList(nodes);\n\n const {\n parentPath\n } = this;\n\n if (parentPath.isExpressionStatement() || parentPath.isLabeledStatement() ||
parentPath.isExportNamedDeclaration() || parentPath.isExportDefaultDeclaration() && this.isDeclaration()) {\n
return parentPath.insertBefore(nodes);\n } else if (this.isNodeType(\"Expression\") && !this.isJSXElement() ||
parentPath.isForStatement() && this.key === \"init\") {\n if (this.node) nodes.push(this.node);\n return
this.replaceExpressionWithStatements(nodes);\n } else if (Array.isArray(this.container)) {\n return
this._containerInsertBefore(nodes);\n } else if (this.isStatementOrBlock()) {\n const shouldInsertCurrentNode =
this.node && (!this.isExpressionStatement() || this.node.expression !== null);\n\n this.replaceWith(t.blockStatement(shouldInsertCurrentNode ? [this.node] : []));\n return
this.unshiftContainer(\"body\", nodes);\n } else {\n throw new Error(\"We don't know what to do with this node
type. \" + \"We were previously a Statement but we can't fit in here?\");\n

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 }\n}\n\nfunction _containerInsert(from, nodes) {\n this.updateSiblingKeys(from, nodes.length);\n const paths = [];\n this.container.splice(from, 0, ...nodes);\n for (let i = 0; i < nodes.length; i++) {\n const to = from + i;\n const path = this.getSibling(to);\n paths.push(path);\n if (this.context && this.context.queue) {\n path.pushContext(this.context);\n }\n }\n const contexts = this._getQueueContexts();\n for (const path of paths) {\n path.setScope();\n path.debug("Inserted.");\n for (const context of contexts) {\n context.maybeQueue(path, true);\n }\n }\n return paths;\n}\n\nfunction _containerInsertBefore(nodes) {\n return this._containerInsert(this.key, nodes);\n}\n\nfunction _containerInsertAfter(nodes) {\n return this._containerInsert(this.key + 1, nodes);\n}\n\nfunction insertAfter(nodes) {\n this._assertUnremoved();\n nodes = this._verifyNodeList(nodes);\n const { parentPath } = this;\n if (parentPath.isExpressionStatement() || parentPath.isLabeledStatement() || parentPath.isExportNamedDeclaration() || parentPath.isExportDefaultDeclaration() && this.isDeclaration()) {\n return parentPath.insertAfter(nodes.map(node => {\n return t.isExpression(node) ? t.expressionStatement(node) : node;\n }));\n } else if (this.isNodeType("Expression") && !this.isJSXElement() && !parentPath.isJSXElement() || parentPath.isForStatement() && this.key === "init") {\n if (this.node) {\n let { scope } = this;\n if (parentPath.isMethod({ computed: true, key: this.node })) {\n scope = scope.parent;\n }\n const temp = scope.generateDeclaredUidIdentifier();\n nodes.unshift(t.expressionStatement(t.assignmentExpression("=", t.cloneNode(temp), this.node)));\n nodes.push(t.expressionStatement(t.cloneNode(temp)));\n }\n return this.replaceExpressionWithStatements(nodes);\n } else if (Array.isArray(this.container)) {\n return this._containerInsertAfter(nodes);\n } else if (this.isStatementOrBlock()) {\n const shouldInsertCurrentNode = this.node && (!this.isExpressionStatement() || this.node.expression !== null);\n this.replaceWith(t.blockStatement(shouldInsertCurrentNode ? [this.node] : []));\n return this.pushContainer("body", nodes);\n } else {\n throw new Error("We don't know what to do with this node type. \" + \"We were previously a Statement but we can't fit in here?\");\n }\n}\n\nfunction updateSiblingKeys(fromIndex, incrementBy) {\n if (!this.parent) return;\n const paths = _cache.path.get(this.parent);\n for (let i = 0; i < paths.length; i++) {\n const path = paths[i];\n if (path.key >= fromIndex) {\n path.key += incrementBy;\n }\n }\n}\n\nfunction _verifyNodeList(nodes) {\n if (!nodes) {\n return [];\n }\n if (nodes.constructor !== Array) {\n nodes = [nodes];\n }\n for (let i = 0; i < nodes.length; i++) {\n const node = nodes[i];\n let msg;\n if (!node) {\n msg = "has falsy node";\n } else if (typeof node !== "object") {\n msg = "contains a non-object node";\n } else if (!node.type) {\n msg = "without a type";\n } else if (node instanceof _index.default) {\n msg = "has a NodePath when it expected a raw object";\n }\n if (msg) {\n const type = Array.isArray(node) ? "array" : typeof node;\n throw new Error(`Node list ${msg} with the index of ${i} and type of ${type}`);\n }\n }\n return nodes;\n}\n\nfunction unshiftContainer(listKey, nodes) {\n this._assertUnremoved();\n nodes = this._verifyNodeList(nodes);\n const path = _index.default.get({ parentPath: this, parent: this.node, container: this.node[listKey], listKey, key: 0 });\n return path._containerInsertBefore(nodes);\n}\n\nfunction pushContainer(listKey, nodes) {\n this._assertUnremoved();\n nodes = this._verifyNodeList(nodes);\n const container = this.node[listKey];\n const path = _index.default.get({ parentPath: this, parent: this.node, container: container, listKey, key: container.length });\n return path.replaceWithMultiple(nodes);\n}\n\nfunction hoist(scope = this.scope) {\n const hoister = new _hoister.default(this, scope);\n return hoister.run();\n}, "use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.default = void 0;\n\nvar t = _interopRequireWildcard(require("@babel/types"));\n\nfunction _getRequireWildcardCache() {\n if (typeof WeakMap !== "function") return null;\n var cache = new WeakMap();\n _getRequireWildcardCache = function () {\n return cache;\n };\n return cache;\n}\n\nfunction _interopRequireWildcard(obj) {\n if (obj && obj.__esModule) {\n return obj;\n } if (obj === null || typeof obj !== "object" && typeof obj !== "function") {\n return { default: obj };\n } var cache = _getRequireWildcardCache();\n if (cache &&

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 cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty &&
 Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var
 desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set))
 { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache)
 { cache.set(obj, newObj); } return newObj; }

 const referenceVisitor = {
 ReferencedIdentifier(path, state) {
 if (path.isJSXIdentifier() && t.react.isCompatTag(path.node.name) &&
 !path.parentPath.isJSXMemberExpression()) {
 return;
 }
 if (path.node.name === "this") {
 let
 scope = path.scope;
 do {
 if (scope.path.isFunction() && !scope.path.isArrowFunctionExpression()) {
 break;
 }
 } while (scope = scope.parent);
 if (scope)
 state.breakOnScopePaths.push(scope.path);
 }

 const binding = path.scope.getBinding(path.node.name);
 if (!binding) return;
 for (const violation
 of binding.constantViolations) {
 if (violation.scope !== binding.path.scope) {
 state.mutableBinding =
 true;
 path.stop();
 return;
 }
 }
 if (binding !== state.scope.getBinding(path.node.name))
 return;
 state.bindings[path.node.name] = binding;
 }
 };

 class PathHoister {
 constructor(path, scope) {
 this.breakOnScopePaths = [];
 this.bindings = {};
 this.mutableBinding = false;
 this.scopes = [];
 this.scope = scope;
 this.path = path;
 this.attachAfter = false;
 }

 isCompatibleScope(scope) {
 for (const key of Object.keys(this.bindings)) {
 const binding = this.bindings[key];
 if (!scope.bindingIdentifierEquals(key, binding.identifier))
 return false;
 }
 return true;
 }

 getCompatibleScopes() {
 let
 scope = this.path.scope;
 do {
 if (this.isCompatibleScope(scope))
 this.scopes.push(scope);
 } else {
 break;
 }
 if (this.breakOnScopePaths.indexOf(scope.path) >= 0)
 break;
 while (scope = scope.parent);
 }

 getAttachmentPath() {
 let path = this._getAttachmentPath();
 if (!path) return;
 let targetScope = path.scope;
 if (targetScope.path === path)
 targetScope =
 path.scope.parent;
 if (targetScope.path.isProgram() || targetScope.path.isFunction())
 for (const
 name of Object.keys(this.bindings)) {
 if (!targetScope.hasOwnBinding(name)) continue;
 const binding
 = this.bindings[name];
 if (binding.kind === "param" || binding.path.parentKey === "params")
 continue;
 const bindingParentPath = this.getAttachmentParentForPath(binding.path);
 if (bindingParentPath.key >= path.key) {
 this.attachAfter = true;
 path = binding.path;
 }
 }
 for (const violationPath of
 binding.constantViolations) {
 if (this.getAttachmentParentForPath(violationPath).key > path.key) {
 path = violationPath;
 }
 }
 return path;
 }

 _getAttachmentPath() {
 const scopes = this.scopes;
 const scope = scopes.pop();
 if (!scope) return;
 if (scope.path.isFunction())
 if (this.hasOwnParamBindings(scope))
 if (this.scope === scope) return;
 const bodies =
 scope.path.get("body").get("body");
 for (let i = 0; i < bodies.length; i++) {
 if (bodies[i].node._blockHoist) continue;
 return bodies[i];
 }
 else
 return
 this.getNextScopeAttachmentParent();
 else if (scope.path.isProgram())
 return
 this.getNextScopeAttachmentParent();
 else
 return
 this.getNextScopeAttachmentParent();
 const scope = this.scopes.pop();
 if (scope) return this.getAttachmentParentForPath(scope.path);
 return
 this.getAttachmentParentForPath(path);
 do {
 if (!path.parentPath || Array.isArray(path.container) &&
 path.isStatement())
 return path;
 } while (path = path.parentPath);

 if (this.hasOwnParamBindings(scope))
 for (const name of Object.keys(this.bindings))
 if (!scope.hasOwnBinding(name)) continue;
 const binding = this.bindings[name];
 if (binding.kind ===
 "param" && binding.constant)
 return true;
 else
 return false;
 }
 return false;
 }

 run() {
 this.path.traverse(referenceVisitor, this);
 if (this.mutableBinding) return;
 this.getCompatibleScopes();
 const attachTo = this.getAttachmentPath();
 if (!attachTo) return;
 if (attachTo.getFunctionParent() ===
 this.path.getFunctionParent())
 return;
 let uid = attachTo.scope.generateUidIdentifier("ref");
 const declarator
 = t.variableDeclarator(uid,

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this.path.node);\n const insertFn = this.attachAfter ? \"insertAfter\" : \"insertBefore\";\n const [attached] =
attachTo[insertFn]([attachTo.isVariableDeclarator() ? declarator : t.variableDeclaration(\"var\", [declarator])]);\n
const parent = this.path.parentPath;\n\n if (parent.isJSXElement() && this.path.container ===
parent.node.children) {\n uid = t.JSXExpressionContainer(uid);\n }\n\n this.path.replaceWith(t.cloneNode(uid));\n return attachTo.isVariableDeclarator() ? attached.get(\"init\") :
attached.get(\"declarations.0.init\");\n }\n\n\n \n\nexports.default = PathHoister;\", \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\nexports.getOpposite =
getOpposite;\nexports.getCompletionRecords = getCompletionRecords;\nexports.getSibling =
getSibling;\nexports.getPrevSibling = getPrevSibling;\nexports.getNextSibling =
getNextSibling;\nexports.getAllNextSiblings = getAllNextSiblings;\nexports.getAllPrevSiblings
= getAllPrevSiblings;\nexports.get = get;\nexports._getKey = _getKey;\nexports._getPattern =
_getPattern;\nexports.getBindingIdentifiers = getBindingIdentifiers;\nexports.getOuterBindingIdentifiers =
getOuterBindingIdentifiers;\nexports.getBindingIdentifierPaths =
getBindingIdentifierPaths;\nexports.getOuterBindingIdentifierPaths = getOuterBindingIdentifierPaths;\n\n\nvar
_index = _interopRequireDefault(require(\"./index\"));\n\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction getOpposite() {\n if (this.key === \"left\") {\n return
this.getSibling(\"right\");\n } else if (this.key === \"right\") {\n return this.getSibling(\"left\");\n }\n}\n\nfunction
addCompletionRecords(path, paths) {\n if (path) return paths.concat(path.getCompletionRecords());\n return
paths;\n}\n\nfunction findBreak(statements) {\n let breakStatement;\n\n if (!Array.isArray(statements)) {\n
statements = [statements];\n }\n\n for (const statement of statements) {\n if (statement.isDoExpression() || statement.isProgram() ||
statement.isBlockStatement() || statement.isCatchClause() || statement.isLabeledStatement()) {\n breakStatement
= findBreak(statement.get(\"body\"));\n } else if (statement.isIfStatement()) {\n var _findBreak;\n\n breakStatement = (_findBreak = findBreak(statement.get(\"consequent\"))) != null ? _findBreak :
findBreak(statement.get(\"alternate\"));\n } else if (statement.isTryStatement()) {\n var _findBreak2;\n\n breakStatement = (_findBreak2 = findBreak(statement.get(\"block\"))) != null ? _findBreak2 :
findBreak(statement.get(\"handler\"));\n } else if (statement.isBreakStatement()) {\n breakStatement =
statement;\n }\n\n if (breakStatement) {\n return breakStatement;\n }\n }\n\n return null;\n}\n\nfunction
completionRecordForSwitch(cases, paths) {\n let isLastCaseWithConsequent = true;\n\n for (let i = cases.length -
1; i >=
0; i--) {\n const switchCase = cases[i];\n const consequent = switchCase.get(\"consequent\");\n let
breakStatement = findBreak(consequent);\n\n if (breakStatement) {\n while (breakStatement.key === 0 &&
breakStatement.parentPath.isBlockStatement()) {\n breakStatement = breakStatement.parentPath;\n }\n\n const prevSibling = breakStatement.getPrevSibling();\n\n if (breakStatement.key > 0 &&
(prevSibling.isExpressionStatement() || prevSibling.isBlockStatement())) {\n paths =
addCompletionRecords(prevSibling, paths);\n breakStatement.remove();\n } else {\n
breakStatement.replaceWith(breakStatement.scope.buildUndefinedNode());\n paths =
addCompletionRecords(breakStatement, paths);\n }\n } else if (isLastCaseWithConsequent) {\n const

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statementFinder = statement => !statement.isBlockStatement() || statement.get("body").some(statementFinder);\n\n
const hasConsequent = consequent.some(statementFinder);\n\n
if (hasConsequent) {\n paths = addCompletionRecords(consequent[consequent.length - 1], paths);\n
isLastCaseWithConsequent = false;\n }\n }\n }\n\n return paths;\n}\n\nfunction getCompletionRecords() {\n
let paths = [];\n\n if (this.isIfStatement()) {\n paths = addCompletionRecords(this.get("consequent"), paths);\n
paths = addCompletionRecords(this.get("alternate"), paths);\n }\n } else if (this.isDoExpression() || this.isFor() ||
this.isWhile()) {\n paths = addCompletionRecords(this.get("body"), paths);\n }\n } else if (this.isProgram() ||
this.isBlockStatement()) {\n paths = addCompletionRecords(this.get("body").pop(), paths);\n }\n } else if
(this.isFunction()) {\n return this.get("body").getCompletionRecords();\n }\n } else if (this.isTryStatement()) {\n
paths = addCompletionRecords(this.get("block"), paths);\n paths = addCompletionRecords(this.get("handler"),
paths);\n }\n } else if (this.isCatchClause()) {\n paths = addCompletionRecords(this.get("body"),
paths);\n }\n } else if (this.isSwitchStatement()) {\n paths = completionRecordForSwitch(this.get("cases"), paths);\n
}\n } else {\n paths.push(this);\n }\n\n return paths;\n}\n\nfunction getSibling(key) {\n return _index.default.get({\n
parentPath: this.parentPath,\n parent: this.parent,\n container: this.container,\n listKey: this.listKey,\n key:
key\n });\n}\n\nfunction getPrevSibling() {\n return this.getSibling(this.key - 1);\n}\n\nfunction getNextSibling()
{\n return this.getSibling(this.key + 1);\n}\n\nfunction getAllNextSiblings() {\n let _key = this.key;\n let sibling =
this.getSibling(++_key);\n const siblings = [];\n\n while (sibling.node) {\n siblings.push(sibling);\n sibling =
this.getSibling(++_key);\n }\n\n return siblings;\n}\n\nfunction getAllPrevSiblings() {\n let _key = this.key;\n let
sibling = this.getSibling(--_key);\n const siblings = [];\n\n while (sibling.node) {\n siblings.push(sibling);\n
 sibling = this.getSibling(--_key);\n }\n\n return siblings;\n}\n\nfunction get(key, context) {\n if (context ===
true) context = this.context;\n const parts = key.split(".");\n\n if (parts.length === 1) {\n return
this._getKey(key, context);\n } else {\n return this._getPattern(parts, context);\n }\n}\n\nfunction _getKey(key,
context) {\n const node = this.node;\n const container = node[key];\n\n if (Array.isArray(container)) {\n return
container.map((_, i) => {\n return _index.default.get({\n listKey: key,\n parentPath: this,\n
 parent: node,\n container: container,\n key: i\n }).setContext(context);\n });\n } else {\n return
_index.default.get({\n parentPath: this,\n parent: node,\n container: node,\n key: key\n
 }).setContext(context);\n }\n}\n\nfunction _getPattern(parts, context) {\n let path = this;\n\n for (const part of
parts) {\n if (part === "\\.") {\n path = path.parentPath;\n
 } else {\n if (Array.isArray(path)) {\n path = path[part];\n } else {\n path = path.get(part,
context);\n }\n }\n }\n\n return path;\n}\n\nfunction getBindingIdentifiers(duplicates) {\n return
t.getBindingIdentifiers(this.node, duplicates);\n}\n\nfunction getOuterBindingIdentifiers(duplicates) {\n return
t.getOuterBindingIdentifiers(this.node, duplicates);\n}\n\nfunction getBindingIdentifierPaths(duplicates = false,
outerOnly = false) {\n const path = this;\n let search = [].concat(path);\n const ids = Object.create(null);\n\n while
(search.length) {\n const id = search.shift();\n if (!id) continue;\n if (!id.node) continue;\n const keys =
t.getBindingIdentifiers.keys[id.node.type];\n\n if (id.isIdentifier()) {\n if (duplicates) {\n const _ids =
ids[id.node.name] = ids[id.node.name] || [];\n _ids.push(id);\n } else {\n ids[id.node.name] = id;\n
 }\n\n continue;\n }\n }\n\n if (id.isExportDeclaration()) {\n const declaration = id.get("declaration");\n\n if
(declaration.isDeclaration()) {\n search.push(declaration);\n }\n }\n\n continue;\n }\n\n if (outerOnly) {\n if (id.isFunctionDeclaration()) {\n search.push(id.get("id")); \n continue;\n }\n }\n\n if
(id.isFunctionExpression()) {\n continue;\n }\n }\n\n if (keys) {\n for (let i = 0; i < keys.length; i++) {\n const key = keys[i];\n const child = id.get(key);\n\n if (Array.isArray(child) || child.node) {\n search = search.concat(child);\n }\n }\n }\n\n return ids;\n}\n\nfunction
getOuterBindingIdentifierPaths(duplicates) {\n return this.getBindingIdentifierPaths(duplicates, true);\n}\n\n", "\nuse
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:
true\n});\n\nexports.shareCommentsWithSiblings = shareCommentsWithSiblings;\nexports.addComment =
addComment;\nexports.addComments

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= addComments;\n\nvar t = _interopRequireWildcard(require(\"@babel/types\"));\n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== \"function\") return null; var cache = new WeakMap();
_getRequireWildcardCache = function () { return cache; }; return cache; }\n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
\"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj,
newObj); } return newObj; }\n\nfunction shareCommentsWithSiblings() {\n if (typeof this.key === \"string\")
return;\n const node = this.node;\n if (!node) return;\n const trailing = node.trailingComments;\n const leading =
node.leadingComments;\n if (!trailing && !leading) return;\n const prev = this.getSibling(this.key - 1);\n const
next = this.getSibling(this.key + 1);\n const hasPrev = Boolean(prev.node);\n const hasNext =
Boolean(next.node);\n\n if (hasPrev && !hasNext) {\n prev.addComments(\"trailing\", trailing);\n } else if
(hasNext && !hasPrev) {\n next.addComments(\"leading\", leading);\n }\n}\n\nfunction addComment(type,
content, line) {\n t.addComment(this.node, type, content, line);\n}\n\nfunction addComments(type, comments) {\n
t.addComments(this.node, type, comments);\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\",
{\n value: true\n});\nexports.explode = explode;\nexports.verify = verify;\nexports.merge = merge;\n\nvar
virtualTypes = _interopRequireWildcard(require(\"./path/lib/virtual-types\"));\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction explode(visitor) {\n if
(visitor._exploded) return visitor;\n visitor._exploded = true;\n\n for (const nodeType of Object.keys(visitor)) {\n
if (shouldIgnoreKey(nodeType)) continue;\n const parts = nodeType.split(\"|\");\n if (parts.length === 1)
continue;\n const fns = visitor[nodeType];\n delete visitor[nodeType];\n\n for (const part of parts) {\n
visitor[part] = fns;\n }\n }\n\n verify(visitor);\n delete visitor.__esModule;\n ensureEntranceObjects(visitor);\n
ensureCallbackArrays(visitor);\n\n for (const nodeType of Object.keys(visitor)) {\n if
(shouldIgnoreKey(nodeType)) continue;\n const wrapper = virtualTypes[nodeType];\n if (!wrapper) continue;\n
const fns = visitor[nodeType];\n\n for (const type of Object.keys(fns)) {\n fns[type] = wrapCheck(wrapper,
fns[type]);\n }\n }\n\n delete visitor[nodeType];\n\n if (wrapper.types) {\n
for (const type of wrapper.types) {\n if (visitor[type]) {\n mergePair(visitor[type], fns);\n } else {\n
visitor[type] = fns;\n }\n }\n } else {\n mergePair(visitor, fns);\n }\n }\n\n for (const
nodeType of Object.keys(visitor)) {\n if (shouldIgnoreKey(nodeType)) continue;\n const fns =
visitor[nodeType];\n let aliases = t.FLIPPED_ALIAS_KEYS[nodeType];\n const deprecatedKey =
t.DEPRECATED_KEYS[nodeType];\n\n if (deprecatedKey) {\n console.trace(`Visitor defined for
${nodeType} but it has been renamed to ${deprecatedKey}`);\n aliases = [deprecatedKey];\n }\n\n if
(!aliases) continue;\n delete visitor[nodeType];\n\n for (const alias of aliases) {\n const existing =
visitor[alias];\n\n if (existing) {\n mergePair(existing, fns);\n } else {\n visitor[alias] =
Object.assign({}, fns);\n }\n }\n }\n }\n\n for (const nodeType of Object.keys(visitor)) {\n

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 if (shouldIgnoreKey(nodeType)) continue;\n ensureCallbackArrays(visitor[nodeType]);\n }\n\n return\n visitor;\n}\n\nfunction verify(visitor) {\n if (visitor._verified) return;\n\n if (typeof visitor === \"function\") {\n throw new Error(\"You passed `traverse()` a function when it expected a visitor object, '\" + \"are you sure you didn't\n mean `{ enter: Function }`?\"");\n }\n\n for (const nodeType of Object.keys(visitor)) {\n if (nodeType ===\n \"enter\" || nodeType === \"exit\") {\n validateVisitorMethods(nodeType, visitor[nodeType]);\n }\n\n if\n (shouldIgnoreKey(nodeType)) continue;\n\n if (t.TYPES.indexOf(nodeType) < 0) {\n throw new Error(\"You\n gave us a visitor for the node type ${nodeType} but it's not a valid type\");\n }\n\n const visitors =\n visitor[nodeType];\n\n if (typeof visitors === \"object\") {\n for (const visitorKey of Object.keys(visitors)) {\n if (visitorKey === \"enter\" || visitorKey === \"exit\") {\n validateVisitorMethods(`${nodeType}.${visitorKey}`,\n visitors[visitorKey]);\n } else {\n throw new Error(\"You passed `traverse()` a visitor object with the\n property '\" + `${nodeType}` that has the invalid property ${visitorKey}\");\n }\n }\n }\n\n visitor._verified = true;\n }\n\n function validateVisitorMethods(path, val) {\n const fns = [].concat(val);\n\n for\n (const fn of fns) {\n if (typeof fn !== \"function\") {\n throw new TypeError(\"Non-function found defined in\n ${path} with type ${typeof fn}\");\n }\n }\n }\n\n function merge(visitors, states = [], wrapper) {\n const\n rootVisitor = {};\n\n for (let i = 0; i < visitors.length; i++) {\n const visitor = visitors[i];\n const state =\n states[i];\n explode(visitor);\n\n for (const type of Object.keys(visitor)) {\n let visitorType = visitor[type];\n\n if (state || wrapper) {\n visitorType = wrapWithStateOrWrapper(visitorType, state, wrapper);\n }\n\n const nodeVisitor\n = rootVisitor[type] = rootVisitor[type] || {};\n mergePair(nodeVisitor, visitorType);\n }\n\n return\n rootVisitor;\n }\n\n function wrapWithStateOrWrapper(oldVisitor, state, wrapper) {\n const newVisitor = {};\n\n for\n (const key of Object.keys(oldVisitor)) {\n let fns = oldVisitor[key];\n if (!Array.isArray(fns)) continue;\n fns =\n fns.map(function (fn) {\n let newFn = fn;\n\n if (state) {\n newFn = function (path) {\n return\n fn.call(state, path, state);\n };\n }\n\n if (wrapper) {\n newFn = wrapper(state.key, key, newFn);\n }\n\n if (newFn !== fn) {\n newFn.toString = () => fn.toString();\n }\n\n return newFn;\n });\n newVisitor[key] = fns;\n }\n\n return newVisitor;\n }\n\n function ensureEntranceObjects(obj) {\n for (const key of\n Object.keys(obj)) {\n if (shouldIgnoreKey(key)) continue;\n const fns = obj[key];\n\n if (typeof fns ===\n \"function\") {\n obj[key]\n = {\n enter: fns\n };\n }\n }\n\n function ensureCallbackArrays(obj) {\n if (obj.enter &&\n !Array.isArray(obj.enter)) obj.enter = [obj.enter];\n if (obj.exit && !Array.isArray(obj.exit)) obj.exit =\n [obj.exit];\n }\n\n function wrapCheck(wrapper, fn) {\n const newFn = function (path) {\n if\n (wrapper.checkPath(path)) {\n return fn.apply(this, arguments);\n }\n };\n\n newFn.toString = () =>\n fn.toString();\n return newFn;\n }\n\n function shouldIgnoreKey(key) {\n if (key[0] === \"_\") return true;\n if\n (key === \"enter\" || key === \"exit\" || key === \"shouldSkip\") return true;\n\n if (key === \"denylist\" || key ===\n \"noScope\" || key === \"skipKeys\" || key === \"blacklist\") {\n return true;\n }\n\n return false;\n }\n\n function\n mergePair(dest, src) {\n for (const key of Object.keys(src)) {\n dest[key] = [].concat(dest[key] || [], src[key]);\n }\n }\n\n \"use strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n value: true\n });\n\n exports.default\n = void 0;\n\n class Hub {\n getCode() {}\n getScope() {}\n addHelper() {\n throw new Error(\"Helpers are\n not supported by the default hub.\");\n }\n buildError(node, msg, Error = TypeError) {\n return new\n Error(msg);\n }\n }\n\n exports.default = Hub;\n },\n \"(function(root, factory) {\n 'use strict';\n // Universal Module\n Definition (UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.\n\n /* istanbul ignore next */\n if\n (typeof define === 'function' && define.amd) {\n define('stackframe', [], factory);\n } else if (typeof exports\n === 'object') {\n module.exports = factory();\n } else {\n root.StackFrame = factory();\n }\n })(this,\n function() {\n 'use strict';\n function _isNumber(n) {\n return !isNaN(parseFloat(n)) && isFinite(n);\n }\n\n function _capitalize(str) {\n return str.charAt(0).toUpperCase() + str.substring(1);\n }\n\n function\n _getter(p) {\n return function()\n {\n return this[p];\n }\n }\n\n var booleanProps = ['isConstructor', 'isEval', 'isNative', 'isToplevel'];\n var numericProps = ['columnNumber', 'lineNumber'];\n var stringProps = ['fileName', 'functionName', 'source'];\n
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var arrayProps = ['args'];\n\n var props = booleanProps.concat(numericProps, stringProps, arrayProps);\nfunction StackFrame(obj) {\n if (!obj) return;\n for (var i = 0; i < props.length; i++) {\n if\n (obj[props[i]] !== undefined) {\n this['set' + _capitalize(props[i])](obj[props[i]]);\n }\n }\n \n StackFrame.prototype = {\n getArgs: function() {\n return this.args;\n },\n setArgs:\n function(v) {\n if (Object.prototype.toString.call(v) !== '[object Array]') {\n throw new\n TypeError('Args must be an Array');\n }\n this.args = v;\n },\n getEvalOrigin: function() {\n\n return this.evalOrigin;\n },\n setEvalOrigin: function(v) {\n if (v instanceof StackFrame) {\n this.evalOrigin = v;\n } else if (v instanceof Object) {\n this.evalOrigin = new StackFrame(v);\n } else {\n throw new TypeError('Eval Origin must be an Object or StackFrame');\n }\n },\n toString: function() {\n var fileName = this.getFileName() || '';\n var lineNumber =\n this.getLineNumber() || '';\n var columnNumber = this.getColumnNumber() || '';\n var functionName =\n this.getFunctionName() || '';\n if (this.isEval()) {\n if (fileName) {\n return '['eval]' (' +\n fileName + ':' + lineNumber + ':' + columnNumber + ');'\n }\n return '['eval:]' + lineNumber + ':' +\n columnNumber;\n }\n if (functionName) {\n return functionName\n + '(' + fileName + ':' + lineNumber + ':' + columnNumber + ')';\n }\n return fileName + ':' +\n lineNumber + ':' + columnNumber;\n }\n }; \n\n StackFrame.fromString = function\n StackFrame$$fromString(str) {\n var argsStartIndex = str.indexOf('(');\n var argsEndIndex =\n str.lastIndexOf('');\n var functionName = str.substring(0, argsStartIndex);\n var args =\n str.substring(argsStartIndex + 1, argsEndIndex).split(',')\n var locationString = str.substring(argsEndIndex +\n 1);\n if (locationString.indexOf('@') === 0) {\n var parts =\n /@(.+)?(?:((\\d+))?(?:((\\d+)))?$/$.exec(locationString, '');\n var fileName = parts[1];\n var lineNumber =\n parts[2];\n var columnNumber = parts[3];\n }\n return new StackFrame({\n functionName:\n functionName,\n args: args || undefined,\n fileName: fileName,\n lineNumber: lineNumber\n || undefined,\n columnNumber: columnNumber || undefined\n });\n };\n\n for (var i = 0; i <\n booleanProps.length; i++) {\n StackFrame.prototype['get' + _capitalize(booleanProps[i])] =\n _getter(booleanProps[i]);\n StackFrame.prototype['set' + _capitalize(booleanProps[i])] = (function(p) {\n return function(v) {\n this[p] = Boolean(v);\n };\n })(booleanProps[i]);\n }\n\n for (var j = 0;\n j < numericProps.length; j++) {\n StackFrame.prototype['get' + _capitalize(numericProps[j])] =\n _getter(numericProps[j]);\n StackFrame.prototype['set' + _capitalize(numericProps[j])] = (function(p) {\n return function(v) {\n if (!isNumber(v)) {\n throw new TypeError(p + ' must be a Number');\n }\n this[p] = Number(v);\n };\n })(numericProps[j]);\n }\n\n for (var k = 0; k <\n stringProps.length; k++) {\n StackFrame.prototype['get' + _capitalize(stringProps[k])] = _getter(stringProps[k]);\n StackFrame.prototype['set' + _capitalize(stringProps[k])] = (function(p) {\n return function(v) {\n this[p] = String(v);\n };\n })(stringProps[k]);\n }\n}\n\nreturn StackFrame;\n})(\n(c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n *\n LICENSE file in the root directory of this source tree.\n * @flow\n */\nexport const\nCHROME_WEBSTORE_EXTENSION_ID = 'fmkadmapgofadopljbjfkapdkoienihi';\nexport const\nINTERNAL_EXTENSION_ID = 'dnjnjgbfilfpghmojnmlhiehgmojhcl';\nexport const LOCAL_EXTENSION_ID =\n'ikiahnapldjdmpkpmfhjdjilohhhgcbf';\n// Flip this flag to true to enable verbose console debug logging.\nexport\nconst __DEBUG__ = false;\n// Flip this flag to true to enable performance.mark() and performance.measure()\ntimings.\nexport const __PERFORMANCE_PROFILE__ =\nfalse;\nexport const TREE_OPERATION_ADD = 1;\nexport const TREE_OPERATION_REMOVE =\n2;\nexport const TREE_OPERATION_REORDER_CHILDREN = 3;\nexport const\nTREE_OPERATION_UPDATE_TREE_BASE_DURATION = 4;\nexport const\nTREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS = 5;\nexport const\nTREE OPERATION REMOVE ROOT = 6;\nexport const TREE OPERATION SET SUBTREE MODE =
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7;\n\nexport const PROFILING_FLAG_BASIC_SUPPORT = 0b01;\n\nexport const
PROFILING_FLAG_TIMELINE_SUPPORT = 0b10;\n\nexport const
LOCAL_STORAGE_DEFAULT_TAB_KEY = 'React::DevTools::defaultTab';\n\nexport const
LOCAL_STORAGE_FILTER_PREFERENCES_KEY =\n 'React::DevTools::componentFilters';\n\nexport const
SESSION_STORAGE_LAST_SELECTION_KEY =\n 'React::DevTools::lastSelection';\n\nexport const
LOCAL_STORAGE_OPEN_IN_EDITOR_URL =\n 'React::DevTools::openInEditorUrl';\n\nexport const
LOCAL_STORAGE_PARSE_HOOK_NAMES_KEY =\n 'React::DevTools::parseHookNames';\n\nexport const
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY =\n
'React::DevTools::recordChangeDescriptions';\n\nexport
const SESSION_STORAGE_RELOAD_AND_PROFILE_KEY =\n
'React::DevTools::reloadAndProfile';\n\nexport const
LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS =\n
'React::DevTools::breakOnConsoleErrors';\n\nexport const
LOCAL_STORAGE_SHOULD_PATCH_CONSOLE_KEY =\n
'React::DevTools::appendComponentStack';\n\nexport const
LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY =\n
'React::DevTools::showInlineWarningsAndErrors';\n\nexport const
LOCAL_STORAGE_TRACE_UPDATES_ENABLED_KEY =\n
'React::DevTools::traceUpdatesEnabled';\n\nexport const
LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE =\n
'React::DevTools::hideConsoleLogsInStrictMode';\n\nexport const PROFILER_EXPORT_VERSION =
5;\n\nexport const CHANGE_LOG_URL =\n 'https://github.com/facebook/react/blob/main/packages/react-
devtools/CHANGELOG.md';\n\nexport const UNSUPPORTED_VERSION_URL =\n
'https://reactjs.org/blog/2019/08/15/new-react-devtools.html#how-do-i-get-the-old-version-back';\n\nexport const
REACT_DEVTOOLS_WORKPLACE_URL
=\n 'https://fburl.com/react-devtools-workplace-group';\n\nimport type {\n Theme,\n DisplayDensity,\n} from
'/devtools/views/Settings/SettingsContext';\n\nexport const THEME_STYLES: {[style: Theme | DisplayDensity]:
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'ffffff',\n '--color-warning-text-color-inverted':
'fd4d69',\n\n // The styles below should be kept in sync with 'root.css'\n // They are repeated there because
they're used by e.g. tooltips or context menus\n // which get rendered outside of the DOM subtree (where normal
theme/styles are written).\n '--color-scroll-thumb': '#c2c2c2',\n '--color-scroll-track': '#fafafa',\n '--color-tooltip-
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```

'#178fb9',\n '--color-button-background': '#282c34',\n '--color-button-background-focus': '#3d424a',\n '--color-button': '#afb3b9',\n '--color-button-active': '#61dafb',\n '--color-button-disabled': '#4f5766',\n '--color-button-focus': '#a2e9fc',\n '--color-button-hover': '#ededed',\n '--color-border': '#3d424a',\n '--color-commit-did-not-render-fill': '#777d88',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-pattern': '#666c77',\n '--color-commit-did-not-render-pattern-text': '#ffffff',\n '--color-commit-gradient-0': '#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5': '#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-gradient-9': '#febc38',\n '--color-commit-gradient-text': '#000000',\n '--color-component-name': '#61dafb',\n '--color-component-name-inverted': '#282828',\n '--color-component-badge-background': 'rgba(255, 255, 255, 0.25)',\n '--color-component-badge-background-inverted': 'rgba(0, 0, 0, 0.25)',\n '--color-component-badge-count': '#8f949d',\n '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#000000',\n '--color-console-error-background': '#290000',\n '--color-console-error-border': '#5c0000',\n '--color-console-error-icon': '#eb3941',\n '--color-console-error-text': '#fc7f7f',\n '--color-console-warning-badge-text': '#000000',\n '--color-console-warning-background': '#332b00',\n '--color-console-warning-border': '#665500',\n '--color-console-warning-icon': '#f4bd00',\n '--color-console-warning-text': '#f5f2ed',\n '--color-context-background': 'rgba(255,255,255,.95)',\n '--color-context-background-hover': 'rgba(0, 136, 250, 0.1)',\n '--color-context-background-selected': '#0088fa',\n '--color-context-border': '#eeeeee',\n '--color-context-text': '#000000',\n '--color-context-text-selected': '#ffffff',\n '--color-dim': '#8f949d',\n '--color-dimmer': '#777d88',\n '--color-dimmest': '#4f5766',\n '--color-error-background': '#200',\n '--color-error-border': '#900',\n '--color-error-text': '#f55',\n '--color-expand-collapse-toggle': '#8f949d',\n '--color-link': '#61dafb',\n '--color-modal-background': 'rgba(0, 0, 0, 0.75)',\n '--color-bridge-version-npm-background': 'rgba(0, 0, 0, 0.25)',\n '--color-bridge-version-npm-text': '#ffffff',\n '--color-bridge-version-number': 'yellow',\n '--color-primitive-hook-badge-background': 'rgba(0, 0, 0, 0.25)',\n '--color-primitive-hook-badge-text': 'rgba(255, 255, 255, 0.7)',\n '--color-record-active': '#fc3a4b',\n '--color-record-hover': '#a2e9fc',\n '--color-record-inactive': '#61dafb',\n '--color-resize-bar': '#282c34',\n '--color-resize-bar-active': '#31363f',\n '--color-resize-bar-border': '#3d424a',\n '--color-resize-bar-dot': '#cfd1d5',\n '--color-timeline-internal-module': '#303542',\n '--color-timeline-internal-module-hover': '#363b4a',\n '--color-timeline-internal-module-text': '#7f8899',\n '--color-timeline-native-event': '#b2b2b2',\n '--color-timeline-native-event-hover': '#949494',\n '--color-timeline-network-primary': '#fcf3dc',\n '--color-timeline-network-primary-hover': '#e3dbc5',\n '--color-timeline-network-secondary': '#efc457',\n '--color-timeline-network-secondary-hover': '#d6af4d',\n '--color-timeline-priority-background': '#1d2129',\n '--color-timeline-priority-border': '#282c34',\n '--color-timeline-user-timing': '#c9cacd',\n '--color-timeline-user-timing-hover': '#93959a',\n '--color-timeline-react-idle': '#3d485b',\n '--color-timeline-react-idle-hover': '#465269',\n '--color-timeline-react-render': '#2683E2',\n '--color-timeline-react-render-hover': '#1a76d4',\n '--color-timeline-react-render-text': '#11365e',\n '--color-timeline-react-commit': '#731fad',\n '--color-timeline-react-commit-hover': '#611b94',\n '--color-timeline-react-commit-text': '#e5c1ff',\n '--color-timeline-react-layout-effects': '#611b94',\n '--color-timeline-react-layout-effects-hover': '#51167a',\n '--color-timeline-react-layout-effects-text': '#e5c1ff',\n '--color-timeline-react-passive-effects': '#611b94',\n '--color-timeline-react-passive-effects-hover': '#51167a',\n '--color-timeline-react-passive-effects-text': '#e5c1ff',\n '--color-timeline-react-schedule': '#2683E2',\n '--color-timeline-react-schedule-hover': '#1a76d4',\n '--color-timeline-react-suspense-rejected': '#f1cc14',\n '--color-timeline-react-suspense-rejected-hover': '#e4c00f',\n '--color-timeline-react-suspense-resolved': '#a6e59f',\n '--color-timeline-react-suspense-resolved-hover': '#89d281',\n '--color-timeline-react-suspense-unresolved': '#c9cacd',\n '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n '--color-timeline-thrown-error': '#fb3655',\n '--color-timeline-thrown-error-hover': '#f82042',\n '--color-timeline-text-color': '#282c34',\n '--color-timeline-text-dim-color': '#555b66',\n '--

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color-timeline-react-work-border': '#3d424a',\n '--color-search-match': 'yellow',\n '--color-search-match-current':
'#f7923b',\n '--color-selected-tree-highlight-active': 'rgba(23, 143, 185, 0.15)',\n '--color-selected-tree-highlight-
inactive': 'rgba(255, 255, 255, 0.05)',\n '--color-scroll-caret': '#4f5766',\n '--color-shadow': 'rgba(0, 0, 0, 0.5)',\n
'--color-tab-selected-border': '#178fb9',\n '--color-text': '#ffffff',\n '--color-text-invalid': '#ff8080',\n '--color-
text-selected': '#ffffff',\n '--color-toggle-background-invalid': '#fc3a4b',\n '--color-toggle-background-on':
'#178fb9',\n '--color-toggle-background-off': '#777d88',\n '--color-toggle-text': '#ffffff',\n '--color-warning-
background': '#ee1638',\n '--color-warning-background-hover': '#da1030',\n '--color-warning-text-color':
'#ffffff',\n '--color-warning-text-color-inverted': '#ee1638',\n\n // The styles below should be kept in sync with
'root.css'\n // They are repeated there because they're used by e.g. tooltips or context menus\n // which get
rendered outside of the DOM subtree (where normal theme/styles are written).\n '--color-scroll-thumb':
'#afb3b9',\n '--color-scroll-track': '#313640',\n '--color-tooltip-background': 'rgba(255, 255, 255, 0.95)',\n '--
color-tooltip-text': '#000000',\n },\n compact: {\n '--font-size-monospace-small': '9px',\n '--font-size-
monospace-normal': '11px',\n '--font-size-monospace-large': '15px',\n '--font-size-sans-small': '10px',\n '--font-
size-sans-normal': '12px',\n '--font-size-sans-large':
'14px',\n '--line-height-data': '18px',\n },\n comfortable: {\n '--font-size-monospace-small': '10px',\n '--font-
size-monospace-normal': '13px',\n '--font-size-monospace-large': '17px',\n '--font-size-sans-small': '12px',\n '--
font-size-sans-normal': '14px',\n '--font-size-sans-large': '16px',\n '--line-height-data': '22px',\n },\n\n};\n\n//
HACK\n\n// Sometimes the inline target is rendered before root styles are applied,\n\n// which would result in e.g.
NaN itemSize being passed to react-window list.\nconst COMFORTABLE_LINE_HEIGHT = parseInt(\n THEME_STYLES.comfortable['--line-height-data'],\n 10,\n);\nconst COMPACT_LINE_HEIGHT = parseInt(\n THEME_STYLES.compact['--line-height-data'],\n 10,\n);\n\nexport {COMFORTABLE_LINE_HEIGHT,
COMPACT_LINE_HEIGHT};\n", "/*\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source code
is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n */
@flow

strict-local\n */\n\nimport {__PERFORMANCE_PROFILE__} from './constants';\n\nconst supportsUserTiming =\n typeof performance !== 'undefined' &&\n typeof performance.mark === 'function' &&\n typeof
performance.clearMarks === 'function';\n\nconst supportsPerformanceNow =\n typeof performance !== 'undefined'
&&\n typeof performance.now === 'function';\n\nfunction mark(markName: string): void {\n if
(supportsUserTiming) {\n performance.mark(markName + '-start');\n }\n}\n\nfunction measure(markName:
string): void {\n if (supportsUserTiming) {\n performance.mark(markName + '-end');\n }\n performance.measure(markName, markName + '-start', markName + '-end');\n
performance.clearMarks(markName + '-start');\n performance.clearMarks(markName + '-end');\n}\n\nfunction
now(): number {\n if (supportsPerformanceNow) {\n return performance.now();\n }\n return
Date.now();\n}\n\nexport async function withAsyncPerfMeasurements<TReturn>(\n markName: string,\n callback: () =>
Promise<TReturn>,\n onComplete?: number => void,\n): Promise<TReturn> {\n const start = now();\n if
(__PERFORMANCE_PROFILE__) {\n mark(markName);\n }\n const result = await callback();\n\n if
(__PERFORMANCE_PROFILE__) {\n measure(markName);\n }\n\n if (onComplete !== null) {\n const
duration = now() - start;\n onComplete(duration);\n }\n\n return result;\n}\n\nexport function
withSyncPerfMeasurements<TReturn>(\n markName: string,\n callback: () => TReturn,\n onComplete?: number
=> void,\n): TReturn {\n const start = now();\n if (__PERFORMANCE_PROFILE__) {\n mark(markName);\n
}\n const result = callback();\n\n if (__PERFORMANCE_PROFILE__) {\n measure(markName);\n }\n\n if
(onComplete !== null) {\n const duration = now() - start;\n onComplete(duration);\n }\n\n return
result;\n}\n\nexport function withCallbackPerfMeasurements<TReturn>(\n markName: string,\n callback: (done: ()
=> void) => TReturn,\n onComplete?: number => void,\n): TReturn
{\n const start = now();\n if (__PERFORMANCE_PROFILE__) {\n mark(markName);\n }\n\n const done = ()
=> {\n if (__PERFORMANCE_PROFILE__) {\n measure(markName);\n }\n\n if (onComplete !== null) {\n
const duration = now() - start;\n onComplete(duration);\n }\n }\n return callback(done);\n}\n", "/*\n *

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Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in
the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport
{withSyncPerfMeasurements} from 'react-devtools-shared/src/PerformanceLoggingUtils';\nimport traverse,
{NodePath, Node} from '@babel/traverse';\nimport {File} from '@babel/types';\n\nimport type {HooksNode} from
'react-debug-tools/src/ReactDebugHooks';\n\nexport type Position = {\n line: number,\n column:
number,\n};\n\nexport type SourceFileASTWithHookDetails = {\n sourceFileAST: File,\n line: number,\n source:
string,\n};\n\nexport const NO_HOOK_NAME
= '<no-hook>';\n\nconst AST_NODE_TYPES = Object.freeze({\n PROGRAM: 'Program',\n
CALL_EXPRESSION: 'CallExpression',\n MEMBER_EXPRESSION: 'MemberExpression',\n
ARRAY_PATTERN: 'ArrayPattern',\n IDENTIFIER: 'Identifier',\n NUMERIC_LITERAL: 'NumericLiteral',\n
VARIABLE_DECLARATOR: 'VariableDeclarator',\n});\n\n// Check if line number obtained from source map and
the line number in hook node match\n\nfunction checkNodeLocation(\n path: NodePath,\n line: number,\n column?:
number | null = null,\n): boolean {\n const {start, end} = path.node.loc;\n\n if (line !== start.line) {\n return
false;\n }\n\n if (column !== null) {\n // Column numbers are represented differently between tools/engines.\n //
Error.prototype.stack columns are 1-based (like most IDEs) but ASTs are 0-based.\n // In practice this will
probably never matter,\n // because this code matches the 1-based Error stack location for the hook Identifier (e.g.
useState)\n // with the larger
0-based VariableDeclarator (e.g. [foo, setFoo] = useState())\n // so the ranges should always overlap.\n // For more info see https://github.com/facebook/react/pull/21833#discussion_r666831276\n column -= 1;\n if (\n
(line === start.line && column < start.column) ||\n (line === end.line && column > end.column)\n) {\n
return false;\n }\n\n return true;\n }\n\n // Checks whether hookNode is a member of
targetHookNode\n\nfunction filterMemberNodesOfTargetHook(\n targetHookNode: NodePath,\n hookNode:
NodePath,\n): boolean {\n const targetHookName = targetHookNode.node.id.name;\n return (\n
targetHookName !== null &&\n (targetHookName ===\n (hookNode.node.init.object &&
hookNode.node.init.object.name) ||\n targetHookName === hookNode.node.init.name)\n);\n}\n\n// Checks
whether hook is the first member node of a state variable declaration node\n\nfunction
filterMemberWithHookVariableName(hook: NodePath): boolean {\n return
(\n hook.node.init.property.type === AST_NODE_TYPES.NUMERIC_LITERAL &&\n
hook.node.init.property.value === 0\n);\n}\n\n// Returns all AST Nodes associated with
'potentialReactHookASTNode'\n\nfunction getFilteredHookASTNodes(\n potentialReactHookASTNode:
NodePath,\n potentialHooksFound: Array<NodePath>,\n source: string,\n): Array<NodePath> {\n let
nodesAssociatedWithReactHookASTNode: NodePath[] = [];\n if
(nodeContainsHookVariableName(potentialReactHookASTNode)) {\n // made custom hooks to enter this,
always\n // Case 1.\n // Directly usable Node -> const ref = useRef(null);\n // -> const [tick,
setTick] = useState(1);\n // Case 2.\n // Custom Hooks -> const someVariable = useSomeCustomHook();\n //
-> const [someVariable, someFunction] = useAnotherCustomHook();\n
nodesAssociatedWithReactHookASTNode.unshift(potentialReactHookASTNode);\n } else {\n // Case 3.\n //
Indirectly usable Node -> const tickState = useState(1);\n
 // -> const tickState = useState(1);\n //
const tick = tickState[0];\n // const setTick = tickState[1];\n
nodesAssociatedWithReactHookASTNode = potentialHooksFound.filter(hookNode =>\n
filterMemberNodesOfTargetHook(potentialReactHookASTNode, hookNode),\n);\n }\n return
nodesAssociatedWithReactHookASTNode;\n}\n\n// Returns Hook name\n\nexport function getHookName(\n hook:
HooksNode,\n originalSourceAST: mixed,\n originalSourceCode: string,\n originalSourceLineNumber: number,\n
originalSourceColumnNumber: number,\n): string | null {\n const hooksFromAST = withSyncPerfMeasurements(\n
'getPotentialHookDeclarationsFromAST(originalSourceAST)',\n () =>
getPotentialHookDeclarationsFromAST(originalSourceAST),\n);\n\n let potentialReactHookASTNode = null;\n
if (originalSourceColumnNumber === 0) {\n // This most

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likely indicates a source map type like 'cheap-module-source-map'\n // that intentionally drops column numbers
for compilation speed in DEV builds.\n // In this case, we can assume there's probably only one hook per line (true
in most cases)\n // and just fail if we find more than one match.\n const matchingNodes =
hooksFromAST.filter(node => {\n const nodeLocationCheck = checkNodeLocation(\n node,\n
originalSourceLineNumber,\n);\n\n const hookDeclarationCheck = isConfirmedHookDeclaration(node);\n
return nodeLocationCheck && hookDeclarationCheck;\n });\n\n if (matchingNodes.length === 1) {\n
potentialReactHookASTNode = matchingNodes[0];\n } else {\n potentialReactHookASTNode =
hooksFromAST.find(node => {\n const nodeLocationCheck = checkNodeLocation(\n node,\n
originalSourceLineNumber,\n originalSourceColumnNumber,\n);\n\n const hookDeclarationCheck =
isConfirmedHookDeclaration(node);\n
return nodeLocationCheck && hookDeclarationCheck;\n });\n }\n\n if (!potentialReactHookASTNode) {\n
return null;\n }\n\n // nodesAssociatedWithReactHookASTNode could directly be used to obtain the hook variable
name\n // depending on the type of potentialReactHookASTNode\n try {\n const
nodesAssociatedWithReactHookASTNode = withSyncPerfMeasurements(\n 'getFilteredHookASTNodes()',\n () =>\n
getFilteredHookASTNodes(\n potentialReactHookASTNode,\n hooksFromAST,\n
originalSourceCode,\n),\n);\n\n const name = withSyncPerfMeasurements('getHookNameFromNode()', ()
=>\n getHookNameFromNode(\n hook,\n nodesAssociatedWithReactHookASTNode,\n
potentialReactHookASTNode,\n),\n);\n\n return name;\n } catch (error) {\n console.error(error);\n
return null;\n }\n}\n\nfunction getHookNameFromNode(\n originalHook: HooksNode,\n
nodesAssociatedWithReactHookASTNode: NodePath[],\n
potentialReactHookASTNode: NodePath,\n): string | null {\n let hookVariableName: string | null;\n const
isCustomHook = originalHook.id === null;\n\n switch (nodesAssociatedWithReactHookASTNode.length) {\n
case 1:\n // CASE 1A (nodesAssociatedWithReactHookASTNode[0] !== potentialReactHookASTNode):\n //
const flagState = useState(true); -> later referenced as\n // const [flag, setFlag] = flagState;\n //\n // CASE
1B (nodesAssociatedWithReactHookASTNode[0] === potentialReactHookASTNode):\n // const [flag, setFlag]
= useState(true); -> we have access to the hook variable straight away\n //\n // CASE 1C (isCustomHook &&
nodesAssociatedWithReactHookASTNode[0] === potentialReactHookASTNode):\n // const someVariable =
useSomeCustomHook(); -> we have access to hook variable straight away\n // const [someVariable,
someFunction] = useAnotherCustomHook(); -> we ignore variable names in this case\n //
as it is unclear what variable name to show\n if (\n isCustomHook &&\n
nodesAssociatedWithReactHookASTNode[0] === potentialReactHookASTNode\n) {\n hookVariableName
= getHookVariableName(\n potentialReactHookASTNode,\n isCustomHook,\n);\n break;\n
}\n hookVariableName = getHookVariableName(\n nodesAssociatedWithReactHookASTNode[0],\n);\n
break;\n\n case 2:\n // const flagState = useState(true); -> later referenced as\n // const flag =
flagState[0];\n // const setFlag = flagState[1];\n nodesAssociatedWithReactHookASTNode =
nodesAssociatedWithReactHookASTNode.filter(\n hookPath =>
filterMemberWithHookVariableName(hookPath),\n);\n\n if
(nodesAssociatedWithReactHookASTNode.length !== 1) {\n // Something went wrong, only a single desirable
hook should remain here\n throw new Error(`Couldn't isolate AST Node containing
hook variable.`);\n }\n hookVariableName = getHookVariableName(\n
nodesAssociatedWithReactHookASTNode[0],\n);\n break;\n\n default:\n // Case 0:\n // const
flagState = useState(true); -> which is not accessed anywhere\n //\n // Case > 2 (fallback):\n // const
someState = React.useState(() => 0)\n //\n // const stateVariable = someState[0]\n // const setStateVariable
= someState[1]\n //\n // const [number2, setNumber2] = someState\n //\n // We assign the state variable
for 'someState' to multiple variables,\n // and hence cannot isolate a unique variable name. In such cases,\n //
default to showing 'someState'\n\n hookVariableName =
getHookVariableName(potentialReactHookASTNode);\n break;\n }\n\n return hookVariableName;\n }\n\n//
Extracts the variable name from hook node path\nfunction getHookVariableName(\n hook: NodePath,\n

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isCustomHook: boolean = false,\n): string
| null {\n const nodeType = hook.node.id.type;\n switch (nodeType) {\n case
AST_NODE_TYPES.ARRAY_PATTERN:\n return !isCustomHook ? hook.node.id.elements[0]?.name ?? null :
null;\n\n case AST_NODE_TYPES.IDENTIFIER:\n return hook.node.id.name;\n\n default:\n return
null;\n }\n}\n\nfunction getPotentialHookDeclarationsFromAST(sourceAST: File): NodePath[] {\n const
potentialHooksFound: NodePath[] = [];\n withSyncPerfMeasurements('traverse(sourceAST)', () =>\n
traverse(sourceAST, {\n enter(path) {\n if (path.isVariableDeclarator() &&
isPotentialHookDeclaration(path)) {\n potentialHooksFound.push(path);\n }\n },\n },\n));\n return
potentialHooksFound;\n}\n\n/**\n * This function traverses the sourceAST and returns a mapping\n * that maps
locations in the source code to their corresponding\n * Hook name, if there is a relevant Hook name for that
location.\n * A location in the source code is represented by line and column\n
* numbers as a Position object: { line, column }.\n * - line is 1-indexed.\n * - column is 0-indexed.\n *\n * A
Hook name will be assigned to a Hook CallExpression if the\n * CallExpression is for a variable declaration (i.e. it
returns\n * a value that is assigned to a variable), and if we can reliably\n * infer the correct name to use (see
comments in the function body\n * for more details).\n *\n * The returned mapping is an array of locations and their
assigned\n * names, sorted by location. Specifically, each entry in the array\n * contains a `name` and a `start`
Position. The `name` of a given\n * entry is the `assigned` name in the source code until the `start`\n * of the
next entry. This means that given the mapping, in order\n * to determine the Hook name assigned for a given
source location, we\n * need to find the adjacent entries that most closely contain the given\n * location.\n * E.g.
for the following code:\n *\n * 1| function Component() {\n * 2|
 const [state, setState] = useState(0);\n * 3| ^-----^ -> Cols 28 - 38: Hook CallExpression\n *
4| 5| useEffect(() => {...}); -> call ignored since not declaring a variable\n * 6| 7| return (...);\n * 8| }\n
*\n * The returned `mapping` would be something like:\n *\n * {name: '<no-hook>', start: {line: 1, column:
0}},\n * {name: 'state', start: {line: 2, column: 28}},\n * {name: '<no-hook>', start: {line: 2, column: 38}},\n *
]\n *\n * Where the Hook name `state` (corresponding to the `state` variable)\n * is assigned to the location in the
code for the CallExpression\n * representing the call to `useState(0)` (line 2, col 28-38).\n *\n * export function
getHookNamesMappingFromAST(\n sourceAST: File,\n): $ReadOnlyArray<{name: string, start: Position}> {\n
const hookStack = [];\n const hookNames = [];\n const pushFrame = (name: string, node: Node) => {\n const
nameInfo = {name, start: {...node.loc.start}};\n
hookStack.unshift(nameInfo);\n hookNames.push(nameInfo);\n };\n const popFrame = (node: Node) => {\n
hookStack.shift();\n const top = hookStack[0];\n if (top != null) {\n hookNames.push({name: top.name, start:
{...node.loc.end}});\n }\n };\n traverse(sourceAST, {\n [AST_NODE_TYPES.PROGRAM]: {\n
enter(path) {\n pushFrame(NO_HOOK_NAME, path.node);\n },\n exit(path) {\n
popFrame(path.node);\n },\n },\n [AST_NODE_TYPES.VARIABLE_DECLARATOR]: {\n enter(path)
{\n // Check if this variable declaration corresponds to a variable\n // declared by calling a Hook.\n if
(isConfirmedHookDeclaration(path)) {\n const hookDeclaredVariableName = getHookVariableName(path);\n
 if (!hookDeclaredVariableName) {\n return;\n }\n const callExpressionNode =
assertCallExpression(path.node.init);\n // Check if this variable declaration corresponds to a call to a\n
 // built-in Hook that returns a tuple (useState, useReducer,\n // useTransition).\n // If it doesn't, we
immediately use the declared variable name\n // as the Hook name. We do this because for any other Hooks
that\n // aren't the built-in Hooks that return a tuple, we can't reliably\n // extract a Hook name from other
variable declarations derived from\n // this one, since we don't know which of the declared variables\n //
are the relevant ones to track and show in dev tools.\n if (!isBuiltInHookThatReturnsTuple(path)) {\n
pushFrame(hookDeclaredVariableName, callExpressionNode);\n return;\n }\n // Check if the
variable declared by the Hook call is referenced\n // anywhere else in the code. If not, we immediately use
the\n // declared variable name as the Hook name.\n const referencePaths =\n
hookDeclaredVariableName != null\n

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 ? path.scope.bindings[hookDeclaredVariableName]?.referencePaths\n : null;\n if
(referencePaths == null) {\n pushFrame(hookDeclaredVariableName, callExpressionNode);\n
return;\n }\n // Check each reference to the variable declared by the Hook call,\n // and for each,
we do the following:\n let declaredVariableName = null;\n for (let i = 0; i <= referencePaths.length; i++)
{\n const referencePath = referencePaths[i];\n if (declaredVariableName != null) {\n break;\n
 }\n // 1. Check if the reference is contained within a VariableDeclarator\n // Node. This will
allow us to determine if the variable declared by\n // the Hook call is being used to declare other variables.\n
 let variableDeclaratorPath = referencePath;\n while (\n variableDeclaratorPath != null &&\n

variableDeclaratorPath.node.type !==\n AST_NODE_TYPES.VARIABLE_DECLARATOR\n)
{\n variableDeclaratorPath = variableDeclaratorPath.parentPath;\n }\n // 2. If we find a
VariableDeclarator containing the\n // referenced variable, we extract the Hook name from the new\n //
variable declaration.\n // E.g., a case like the following:\n // const countState = useState(0);\n
// const count = countState[0];\n // const setCount = countState[1]\n // Where the reference to
`countState` is later referenced\n // within a VariableDeclarator, so we can extract `count` as\n // the
Hook name.\n const varDeclInit = variableDeclaratorPath?.node.init;\n if (varDeclInit != null) {\n
 switch (varDeclInit.type) {\n case AST_NODE_TYPES.MEMBER_EXPRESSION: {\n //
When encountering
a MemberExpression inside the new\n // variable declaration, we only want to extract the variable\n
 // name if we're assigning the value of the first member,\n // which is handled by
`filterMemberWithHookVariableName`.\n // E.g.\n // const countState = useState(0);\n
 // const count = countState[0]; -> extract the name from this reference\n // const setCount =
countState[1]; -> ignore this reference\n if (\n
filterMemberWithHookVariableName(variableDeclaratorPath)\n) {\n declaredVariableName
= getHookVariableName(\n variableDeclaratorPath,\n);\n }\n
break;\n }\n case AST_NODE_TYPES.IDENTIFIER: {\n declaredVariableName =
getHookVariableName(\n variableDeclaratorPath,\n);\n }\n
break;\n }\n default:\n break;\n }\n }\n
}\n // If we were able to extract a name from the new variable\n // declaration, use it as the Hook name.
Otherwise, use the\n // original declared variable as the variable name.\n if (declaredVariableName !=
null) {\n pushFrame(declaredVariableName, callExpressionNode);\n } else {\n
 pushFrame(hookDeclaredVariableName, callExpressionNode);\n }\n },\n },\n exit(path) {\n if
(isConfirmedHookDeclaration(path)) {\n const callExpressionNode = assertCallExpression(path.node.init);\n
 popFrame(callExpressionNode);\n }\n },\n },\n });\n return hookNames;\n }\n\n // Check if 'path'
contains declaration of the form const X = useState(0);\n function isConfirmedHookDeclaration(path: NodePath):
boolean {\n const nodeInit = path.node.init;\n if (nodeInit == null || nodeInit.type !==
AST_NODE_TYPES.CALL_EXPRESSION) {\n return false;\n }\n const callee = nodeInit.callee;\n return
isHook(callee);\n }\n\n // We consider hooks to be a hook name identifier or a member expression containing a hook
name.\n function isHook(node: Node): boolean {\n if (node.type === AST_NODE_TYPES.IDENTIFIER) {\n
 return isHookName(node.name);\n } else if (\n node.type === AST_NODE_TYPES.MEMBER_EXPRESSION
&&\n !node.computed &&\n isHook(node.property)\n) {\n const obj = node.object;\n const
isPascalCaseNameSpace = /^[A-Z].*/;\n return (\n obj.type === AST_NODE_TYPES.IDENTIFIER &&\n
 isPascalCaseNameSpace.test(obj.name)\n);\n } else {\n // TODO Possibly handle inline require statements e.g.
require("useState")(...)\n // This does not seem like a high priority, since inline requires are probably\n // not
common and are also typically in compiled
code rather than source code.\n return false;\n }\n }\n\n // Catch all identifiers that begin with "use"\n //
followed by an uppercase Latin character to exclude identifiers like "user".\n // Copied from packages/eslint-plugin-
react-hooks/src/RulesOfHooks\n function isHookName(name: string): boolean {\n return /^use[A-Z0-

```

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9].*$.test(name);\n}\n\n// Check if the AST Node COULD be a React Hook\nfunction
isPotentialHookDeclaration(path: NodePath): boolean {\n // The array potentialHooksFound will contain all
potential hook declaration cases we support\n const nodePathInit = path.node.init;\n if (nodePathInit !== null) {\n
if (nodePathInit.type === AST_NODE_TYPES.CALL_EXPRESSION) {\n // CASE: CallExpression\n // 1.
const [count, setCount] = useState(0); -> destructured pattern\n // 2. const [A, setA] = useState(0), const [B, setB]
= useState(0); -> multiple inline declarations\n // 3. const [\n // count,\n // setCount\n //] =
useState(0);
-> multiline hook declaration\n // 4. const ref = useRef(null); -> generic hooks\n const callee =
nodePathInit.callee;\n return isHook(callee);\n } else if (\n nodePathInit.type ===
AST_NODE_TYPES.MEMBER_EXPRESSION ||\n nodePathInit.type ===
AST_NODE_TYPES.IDENTIFIER\n) {\n // CASE: MemberExpression\n // const countState =
React.useState(0);\n // const count = countState[0];\n // const setCount = countState[1]; -> Accessing
members following hook declaration\n\n // CASE: Identifier\n // const countState = React.useState(0);\n
// const [count, setCount] = countState; -> destructuring syntax following hook declaration\n return true;\n
}\n }\n return false;\n}\n\n// Check whether 'node' is hook declaration of form useState(0); OR
React.useState(0);\nfunction isReactFunction(node: Node, functionName: string): boolean {\n return (\n
node.name === functionName ||\n (node.type === 'MemberExpression'
&&\n node.object.name === 'React' &&\n node.property.name === functionName)\n);\n}\n\n// Check if
'path' is either State or Reducer hook\nfunction isBuiltInHookThatReturnsTuple(path: NodePath): boolean {\n const
callee = path.node.init.callee;\n return (\n isReactFunction(callee, 'useState') ||\n isReactFunction(callee,
'useReducer') ||\n isReactFunction(callee, 'useTransition')\n);\n}\n\n// Check whether hookNode of a declaration
contains obvious variable name\nfunction nodeContainsHookVariableName(hookNode: NodePath): boolean {\n //
We determine cases where variable names are obvious in declarations. Examples:\n // const [tick, setTick] =
useState(1); OR const ref = useRef(null);\n // Here tick/ref are obvious hook variables in the hook declaration node
itself\n // 1. True for satisfying above cases\n // 2. False for everything else. Examples:\n // const countState =
React.useState(0);\n // const count = countState[0];\n // const
setCount = countState[1]; -> not obvious, hook variable can't be determined\n // from the
hook declaration node alone\n // 3. For custom hooks we force pass true since we are only concerned with the AST
node\n // regardless of how it is accessed in source code. (See: getHookVariableName)\n\n const node =
hookNode.node.id;\n if (\n node.type === AST_NODE_TYPES.ARRAY_PATTERN ||\n (node.type ===
AST_NODE_TYPES.IDENTIFIER &&\n !isBuiltInHookThatReturnsTuple(hookNode))\n) {\n return true;\n
}\n return false;\n}\n\nfunction assertCallExpression(node: Node): Node {\n if (node.type !==
AST_NODE_TYPES.CALL_EXPRESSION) {\n throw new Error('Expected a CallExpression node for a Hook
declaration.);\n }\n return node;\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source
code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n
* @flow\n
*/\n\nimport ErrorStackParser from 'error-stack-parser';\nimport testErrorStack, {\n
SOURCE_STACK_FRAME_LINE_NUMBER,\n } from './ErrorTesterCompiled';\n\nlet
sourceMapsAreAppliedToErrors: boolean | null = null;\n\n// Source maps are automatically applied to Error stack
frames.\n\nexport function areSourceMapsAppliedToErrors(): boolean {\n if (sourceMapsAreAppliedToErrors ===
null) {\n try {\n testErrorStack();\n sourceMapsAreAppliedToErrors = false;\n } catch (error) {\n const
parsed = ErrorStackParser.parse(error);\n const topStackFrame = parsed[0];\n const lineNumber =
topStackFrame.lineNumber;\n if (lineNumber === SOURCE_STACK_FRAME_LINE_NUMBER) {\n
sourceMapsAreAppliedToErrors = true;\n }\n }\n }\n\n return sourceMapsAreAppliedToErrors ===
true;\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport {__DEBUG__} from 'react-devtools-shared/src/constants';\n\nimport type
{HooksTree} from 'react-debug-tools/src/ReactDebugHooks';\n\nimport type {Thenable, Wakeable} from

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'shared/ReactTypes';\nimport type {Element} from './devtools/views/Components/types';\nimport type {\n
HookNames,\n HookSourceLocationKey,\n} from 'react-devtools-shared/src/types';\nimport type {HookSource}
from 'react-debug-tools/src/ReactDebugHooks';\nimport type {FetchFileWithCaching} from 'react-devtools-
shared/src/devtools/views/Components/FetchFileWithCachingContext';\nimport {withCallbackPerfMeasurements}
from './PerformanceLoggingUtils';\nimport {logEvent} from './Logger';\n\nconst TIMEOUT = 30000;\n\nconst
Pending = 0;\nconst Resolved = 1;\nconst Rejected = 2;\n\ntype PendingRecord = {\n status: 0,\n value:
Wakeable,\n};\n\ntype ResolvedRecord<T> = {\n status: 1,\n value: T,\n};\n\ntype RejectedRecord = {\n status:
2,\n value: null,\n};\n\ntype Record<T> = PendingRecord
| ResolvedRecord<T> | RejectedRecord;\n\nfunction readRecord<T>(record: Record<T>): ResolvedRecord<T> |
RejectedRecord {\n if (record.status === Resolved) {\n // This is just a type refinement.\n return record;\n }
else if (record.status === Rejected) {\n // This is just a type refinement.\n return record;\n } else {\n throw
record.value;\n }\n}\n\ntype LoadHookNamesFunction = (\n hookLog: HooksTree,\n fetchFileWithCaching:
FetchFileWithCaching | null,\n) => Thenable<HookNames>;\n\n// This is intentionally a module-level Map, rather
than a React-managed one.\n// Otherwise, refreshing the inspected element cache would also clear this cache.\n//
TODO Rethink this if the React API constraints change.\n// See https://github.com/reactwg/react-
18/discussions/25#discussioncomment-980435\nlet map: WeakMap<Element, Record<HookNames>> = new
WeakMap();\n\nexport function hasAlreadyLoadedHookNames(element: Element): boolean {\n const record =
map.get(element);\n
return record != null && record.status === Resolved;\n}\n\nexport function loadHookNames(\n element:
Element,\n hooksTree: HooksTree,\n loadHookNamesFunction: LoadHookNamesFunction,\n
fetchFileWithCaching: FetchFileWithCaching | null,\n): HookNames | null {\n let record = map.get(element);\n\n if
(__DEBUG__) {\n console.groupCollapsed('loadHookNames() record:');\n console.log(record);\n
console.groupEnd();\n }\n\n if (!record) {\n const callbacks = new Set();\n const wakeable: Wakeable = {\n
then(callback) {\n callbacks.add(callback);\n },\n\n // Optional property used by Timeline:\n
displayName: `Loading hook names for ${element.displayName || 'Unknown'}`,\n },\n\n let timeoutID;\n let
didTimeout = false;\n let status = 'unknown';\n let resolvedHookNames: HookNames | null = null;\n\n const
wake = () => {\n if (timeoutID) {\n clearTimeout(timeoutID);\n timeoutID = null;\n }\n\n // This
assumes
they won't throw.\n callbacks.forEach(callback => callback());\n callbacks.clear();\n };\n\n const
handleLoadComplete = (durationMs: number): void => {\n // Log duration for parsing hook names\n
logEvent({\n event_name: 'load-hook-names',\n event_status: status,\n duration_ms: durationMs,\n
inspected_element_display_name: element.displayName,\n inspected_element_number_of_hooks:
resolvedHookNames?.size ?? null,\n });\n };\n\n const newRecord: Record<HookNames> = (record = {\n
status: Pending,\n value: wakeable,\n });\n\n withCallbackPerfMeasurements(\n 'loadHookNames',\n
done => {\n loadHookNamesFunction(hooksTree, fetchFileWithCaching).then(\n function
onSuccess(hookNames) {\n if (didTimeout) {\n return;\n }\n\n if (__DEBUG__) {\n
console.log('[hookNamesCache] onSuccess() hookNames:', hookNames);\n }\n\n
if (hookNames) {\n const resolvedRecord = ((newRecord: any): ResolvedRecord<HookNames>);\n
resolvedRecord.status = Resolved;\n resolvedRecord.value = hookNames;\n } else {\n
const notFoundRecord = ((newRecord: any): RejectedRecord);\n notFoundRecord.status = Rejected;\n
notFoundRecord.value = null;\n }\n\n status = 'success';\n resolvedHookNames =
hookNames;\n done();\n wake();\n },\n function onError(error) {\n if (didTimeout)
{\n return;\n }\n\n if (__DEBUG__) {\n console.log('[hookNamesCache]
onError()');\n }\n\n console.error(error);\n\n const thrownRecord = ((newRecord: any):
RejectedRecord);\n thrownRecord.status = Rejected;\n thrownRecord.value = null;\n\n status =
'error';\n
done();\n wake();\n },\n);\n\n // Eventually timeout and stop trying to load names.\n
timeoutID = setTimeout(function onTimeout() {\n if (__DEBUG__) {\n

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console.log(['hookNamesCache] onTimeout()');\n }\n timeoutID = null;\n didTimeout = true;\n const timedoutRecord = ((newRecord: any): RejectedRecord);\n timedoutRecord.status = Rejected;\n timedoutRecord.value = null;\n status = 'timeout';\n done();\n wake();\n }, TIMEOUT);\n },\n handleLoadComplete,\n);\nmap.set(element, record);\n}\n\nconst response = readRecord(record).value;\nreturn response;\n}\n\nexport function getHookSourceLocationKey({\n fileName,\n lineNumber,\n columnNumber,\n}: HookSource): HookSourceLocationKey {\n if (fileName == null || lineNumber == null || columnNumber == null) {\n throw Error('Hook source code location not found.);\n }\n return `${fileName}:${lineNumber}:${columnNumber}`;\n}\n\nexport function clearHookNamesCache(): void {\n map = new WeakMap();\n}\n\n", "export type SourceMapSegment =\n [number]\n [number, number, number, number, number]\n [number, number, number, number, number];\nexport type SourceMapLine = SourceMapSegment[];\nexport type SourceMapMappings = SourceMapLine[];\n\nconst charToInteger: { [charCode: number]: number } = {};\nconst chars = 'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/';\n\nfor (let i = 0; i < chars.length; i++) {\n charToInteger[chars.charCodeAt(i)] = i;\n}\n\nexport function decode(mappings: string): SourceMapMappings {\n const decoded: SourceMapMappings = [];\n let line: SourceMapLine = [];\n const segment: SourceMapSegment = [\n 0, // generated code column\n 0, // source file index\n 0, // source code line\n 0, // source code column\n 0, // name index\n];\n let j = 0;\n for (let i = 0, shift = 0, value = 0; i < mappings.length; i++) {\n const c = mappings.charCodeAt(i);\n if (c === 44) { // ','\n segmentify(line, segment, j);\n if (c === 59) { // ';' \n segmentify(line, segment, j);\n }\n if (c === 58) {\n decoded.push(line);\n line = [];\n segment[0] = 0;\n } else {\n let integer = charToInteger[c];\n if (integer === undefined) {\n throw new Error('Invalid character (' + String.fromCharCode(c) + ')');\n }\n const hasContinuationBit = integer & 32;\n integer &= 31;\n value += integer << shift;\n if (hasContinuationBit) {\n shift += 5;\n } else {\n const shouldNegate = value & 1;\n value >>= 1;\n if (shouldNegate) {\n value = value === 0 ? -0x80000000 : -value;\n }\n segment[j] += value;\n j++;\n value = shift = 0;\n }\n }\n reset(j);\n segmentify(line, segment, j);\n decoded.push(line);\n }\n }\n return decoded;\n}\n\nfunction segmentify(line: SourceMapSegment[], segment: SourceMapSegment, j: number) {\n // This looks ugly, but we're creating specialized arrays with a specific\n // length. This is much faster than creating a new array (which v8 expands to\n // a capacity of 17 after pushing the first item), or slicing out a subarray\n // (which is slow). Length 4 is assumed to be the most frequent, followed by\n // length 5 (since not everything will have an associated name), followed by\n // length 1 (it's probably rare for a source substring to not have an\n // associated segment data).\n if (j === 4) line.push([segment[0], segment[1], segment[2], segment[3]]);\n else if (j === 5) line.push([segment[0], segment[1], segment[2], segment[3], segment[4]]);\n else if (j === 1) line.push([segment[0]]);\n}\n\nexport function encode(decoded: SourceMapMappings): string {\n let sourceFileIndex = 0; // second field\n let sourceCodeLine = 0; // third field\n let sourceCodeColumn = 0; // fourth field\n let nameIndex = 0; // fifth field\n let mappings = '';\n for (let i = 0; i < decoded.length; i++) {\n const line = decoded[i];\n if (i > 0) mappings += ';\n if (line.length === 0) continue;\n let generatedCodeColumn = 0; // first field\n const lineMappings: string[] = [];\n for (const segment of line) {\n let segmentMappings = encodeInteger(segment[0] - generatedCodeColumn);\n generatedCodeColumn = segment[0];\n if (segment.length > 1) {\n segmentMappings += encodeInteger(segment[1] - sourceFileIndex) +\n encodeInteger(segment[2] - sourceCodeLine) +\n encodeInteger(segment[3] - sourceCodeColumn);\n sourceFileIndex = segment[1];\n sourceCodeLine = segment[2];\n sourceCodeColumn = segment[3];\n }\n if (segment.length === 5) {\n segmentMappings += encodeInteger(segment[4] - nameIndex);\n nameIndex = segment[4];\n }\n lineMappings.push(segmentMappings);\n }\n mappings += lineMappings.join(',');\n }\n return mappings;\n}\n\nfunction encodeInteger(num: number): string {\n let result = '';\n num = num < 0 ? (-num << 1) | 1 : num << 1;\n do {\n let clamped = num & 31;\n num >>= 5;\n if (num > 0) {\n clamped |= 32;\n }\n result += chars[clamped];\n } while (num > 0);\n return result;\n}

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result;\n}\n", "/*\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow strict-local\n
*/\n\nimport type {\n HookMap,\n HookMapEntry,\n HookMapLine,\n HookMapMappings,\n} from
'./generateHookMap';\n\nimport type {Position} from './astUtils';\n\nimport {NO_HOOK_NAME} from
'./astUtils';\n\n/**\n * Finds the Hook name assigned to a given location in the source code,\n * and a HookMap
extracted from an extended source map.\n * The given location must correspond
to the location in the *original*\n * source code (i.e. *not* the generated one).\n *\n * Note that all locations in the
source code are guaranteed to map\n * to a name, including a sentinel value that represents a missing\n * Hook
name: '<no-hook>'.\n *\n * For more details on the format of the HookMap, see generateHookMap\n * and the tests
for that function and this function.\n */\n\nexport function getHookNameForLocation(\n location: Position,\n
hookMap: HookMap,\n): string | null {\n const {names, mappings} = hookMap;\n\n // The HookMap mappings are
grouped by lines, so first we look up\n // which line of mappings covers the target location.\n // Note that we expect
to find a line since all the locations in the\n // source code are guaranteed to map to a name, including a '<no-
hook>'\n // name.\n const foundLine = binSearch(location, mappings, compareLinePositions);\n if (foundLine ==
null) {\n throw new Error(\n `Expected to find a line in the HookMap that
covers the target location at line: ${location.line}, column: ${location.column}`, \n);\n }\n\n let foundEntry;\n
const foundLineNumber = getLineNumberFromLine(foundLine);\n // The line found in the mappings will never be
larger than the target\n // line, and vice-versa, so if the target line doesn't match the found\n // line, we immediately
know that it must correspond to the last mapping\n // entry for that line.\n if (foundLineNumber !== location.line)\n {\n foundEntry = foundLine[foundLine.length - 1];\n } else {\n foundEntry = binSearch(location, foundLine,
compareColumnPositions);\n }\n\n if (foundEntry == null) {\n throw new Error(\n `Expected to find a
mapping in the HookMap that covers the target location at line: ${location.line}, column: ${location.column}`, \n    );\n  }\n\n  const foundNameIndex = getHookNameIndexFromEntry(foundEntry);\n  if (foundNameIndex == null)\n  {\n    throw new Error(\n      `Expected to find a name index in the HookMap that
covers the target location at line: ${location.line}, column: ${location.column}`, \n);\n }\n\n const foundName =
names[foundNameIndex];\n if (foundName == null) {\n throw new Error(\n `Expected to find a name in the
HookMap that covers the target location at line: ${location.line}, column: ${location.column}`, \n);\n }\n\n if
(foundName === NO_HOOK_NAME) {\n return null;\n }\n return foundName;\n}\n\nfunction binSearch<T>(\n
location: Position,\n items: T[],\n compare: (\n location: Position,\n items: T[],\n index: number,\n) =>
{|index: number | null, direction: number|},\n): T | null {\n let count = items.length;\n let index = 0;\n let
firstElementIndex = 0;\n let step;\n\n while (count > 0) {\n index = firstElementIndex;\n step =
Math.floor(count / 2);\n index += step;\n\n const comparison = compare(location, items, index);\n if
(comparison.direction === 0) {\n if (comparison.index == null) {\n throw new Error('Expected
an index when matching element is found.');

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direction: 0};\n }\n\n // If we're at the end of the mappings, and the target line is greater\n // than the current line, then this final line must cover the\n // target location, so we return it.\n if (location.line > endLine && end == null)\n {\n return {index: endIndex, direction: 0};\n }\n\n // If the location is within the current line and the adjacent one,\n // we know that the target location must be covered by the current line.\n if (startLine < location.line && location.line < endLine) {\n return {index:\n startIndex, direction: 0};\n }\n\n // Otherwise, return the next direction in the search.\n return {index: null,\n direction: location.line - startLine};\n}\n\n/**\n * Compares the target column location to the current location\n * given by the provided index.\n * If the target column location matches the current location, returns\n * the index of the matching entry in the mappings. In order for a column\n * to match, the target column must match the column exactly, or be within\n * the column range of the current entry and the adjacent entry.\n * If the column doesn't match, returns the search direction for the\n * next step in the binary search.\n */\nfunction\ncompareColumnPositions(\n location: Position,\n line: HookMapLine,\n index: number,\n):\n {|index: number | null, direction: number|} {\n const startIndex = index;\n const start = line[index];\n if (start ==\n null) {\n throw new Error(\n `Unexpected mapping missing in HookMap line at index ${index}.`,\n);\n }\n const startColumn = getColumnNumberFromEntry(start);\n let endColumn;\n let endIndex = index + 1;\n const\n end = line[endIndex];\n if (end != null) {\n endColumn = getColumnNumberFromEntry(end);\n } else {\n endIndex = startIndex;\n endColumn = startColumn;\n }\n // When the column matches exactly, return the\n matching index\n if (startColumn === location.column) {\n return {index: startIndex, direction: 0};\n }\n if\n (endColumn === location.column) {\n return {index: endIndex, direction: 0};\n }\n // If we're at the end of the\n entries for this line, and the target\n // column is greater than the current column, then this final entry\n // must\n cover the target location, so we return it.\n if (location.column > endColumn\n && end == null) {\n return {index: endIndex, direction: 0};\n }\n // If the location is within the current column\n and the adjacent one,\n // we know that the target location must be covered by the current entry.\n if (startColumn <\n location.column && location.column < endColumn) {\n return {index: startIndex, direction: 0};\n }\n //\n Otherwise, return the next direction in the search.\n return {index: null, direction: location.column -\n startColumn};\n}\n\nfunction getLineNumberFromLine(line: HookMapLine): number {\n return\n getLineNumberFromEntry(line[0]);\n}\n\nfunction getLineNumberFromEntry(entry: HookMapEntry): number {\n\n const lineNumber = entry[0];\n if (lineNumber == null) {\n throw new Error('Unexpected line number missing in\n entry in HookMap');\n }\n return lineNumber;\n}\n\nfunction getColumnNumberFromEntry(entry:\n HookMapEntry): number {\n const columnNumber = entry[1];\n if (columnNumber == null) {\n throw new\n Error('Unexpected column number missing\n in entry in HookMap');\n }\n return columnNumber;\n}\n\nfunction getHookNameIndexFromEntry(entry:\n HookMapEntry): number {\n const hookNameIndex = entry[2];\n if (hookNameIndex == null) {\n throw new\n Error('Unexpected hook name index missing in entry in HookMap');\n }\n return hookNameIndex;\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in\n the\n * LICENSE file in the root directory of this source tree.\n * @flow strict-local\n */\n\nimport type\n{Position} from './astUtils';\nimport type {\n ReactSourceMetadata,\n IndexSourceMap,\n BasicSourceMap,\n MixedSourceMap,\n} from './SourceMapTypes';\nimport type {HookMap} from './generateHookMap';\nimport * as\nutil from 'source-map-js/lib/util';\nimport {decodeHookMap} from './generateHookMap';\nimport\n{getHookNameForLocation} from './getHookNameForLocation';\n\ntype MetadataMap = Map<string,\n?ReactSourceMetadata>;\n\nconst HOOK_MAP_INDEX_IN_REACT_METADATA\n = 0;\nconst REACT_METADATA_INDEX_IN_FB_METADATA = 1;\nconst\nREACT_SOURCES_EXTENSION_KEY = 'x_react_sources';\nconst FB_SOURCES_EXTENSION_KEY =\n 'x_facebook_sources';\n\n/**\n * Extracted from the logic in source-map-js@0.6.2's SourceMapConsumer.\n * By\n default, source names are normalized using the same logic that the `source-map-js@0.6.2` package uses internally.\n * This is crucial for keeping the sources list in sync with a `SourceMapConsumer` instance.\n */\nfunction\nnormalizeSourcePath(\n sourceInput: string,\n map: {+sourceRoot?: ?string, ...},\n): string {\n const {sourceRoot}\n = map;\n let source = sourceInput;\n source = String(source);\n // Some source maps produce relative source

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paths like `\"./foo.js\"` instead of `\"foo.js\"`. Normalize these first so that future comparisons will succeed.

See bugzil.la/1090768.

`source = util.normalize(source);`

// Always ensure that absolute sources are internally stored relative to

// the source root,

if the source root is absolute. Not doing this would

// be particularly problematic when the source root is a prefix of the

// source (valid, but why??). See github issue #199 and bugzil.la/1188982.

`source =`

`sourceRoot != null && util.isAbsolute(sourceRoot) && util.isAbsolute(source)`

`? util.relative(sourceRoot, source)`

`source;`

`return util.computeSourceURL(sourceRoot, source);`

`}\n\n/**\n * Consumes the `x_react_sources` or `x_facebook_sources` metadata field from a\n * source map and exposes ways to query the React DevTools specific metadata\n * included in those fields.\n */\nexport class SourceMapMetadataConsumer {\n _sourceMap: MixedSourceMap;\n _decodedHookMapCache: Map<string, HookMap>;\n _metadataBySource: ?MetadataMap;\n\n constructor(sourcemap: MixedSourceMap) {\n this._sourceMap = sourcemap;\n this._decodedHookMapCache = new Map();\n this._metadataBySource = null;\n }\n\n /**\n * Returns the Hook name assigned to a given location`

in the source code,\n \* and a HookMap extracted from an extended source map.\n \* See

``getHookNameForLocation`` for more details on implementation.

`*\n * When used with the `source-map` package, you'll first use\n * `SourceMapConsumer#originalPositionFor` to retrieve a source location,\n * then pass that location to `hookNameFor`.`

`*\n hookNameFor({\n line,\n column,\n source,\n }): {\n ...Position,\n +source: ?string,\n }): ?string {\n if (source == null) {\n return null;\n }\n\n const hookMap = this._getHookMapForSource(source);\n if (hookMap == null) {\n return null;\n }\n\n return hookNameForLocation({line, column}, hookMap);\n }\n\n hasHookMap(source: ?string): boolean {\n if (source == null) {\n return false;\n }\n return this._getHookMapForSource(source) != null;\n }\n\n /**\n * Prepares and caches a lookup table of metadata by source name.\n */\n _getMetadataBySource(): MetadataMap {\n`

if (this.\_metadataBySource == null) {\n this.\_metadataBySource = this.\_getMetadataObjectsBySourceNames(\n this.\_sourceMap,\n );\n }\n\n return this.\_metadataBySource;\n }\n\n /\*\*\n \* Collects source metadata from the given map using the current source name\n \* normalization function. Handles both index maps (with sections) and plain\n \* maps.\n \*/\n \* NOTE: If any sources are repeated in the map (which shouldn't usually happen,\n \* but is technically possible because of index maps) we only keep the\n \* metadata from the last occurrence of any given source.\n \*/\n \_getMetadataObjectsBySourceNames(sourcemap: MixedSourceMap): MetadataMap {\n if (sourcemap.mappings === undefined) {\n const indexSourceMap: IndexSourceMap = sourcemap;\n const metadataMap = new Map();\n indexSourceMap.sections.forEach(section => {\n const metadataMapForIndexMap = this.\_getMetadataObjectsBySourceNames(\n section.map,\n );\n metadataMapForIndexMap.forEach((value, key) => {\n metadataMap.set(key, value);\n });\n });\n return metadataMap;\n }\n\n const metadataMap = new Map();\n const basicMap: BasicSourceMap = sourcemap;\n const updateMap = (metadata: ReactSourceMetadata, sourceIndex: number) => {\n let source = basicMap.sources[sourceIndex];\n if (source != null) {\n source = normalizeSourcePath(source, basicMap);\n metadataMap.set(source, metadata);\n }\n }; \n\n if (\n sourcemap.hasOwnProperty(REACT\_SOURCES\_EXTENSION\_KEY) &&\n sourcemap[REACT\_SOURCES\_EXTENSION\_KEY] != null\n ) {\n const reactMetadataArray = sourcemap[REACT\_SOURCES\_EXTENSION\_KEY];\n reactMetadataArray.filter(Boolean).forEach(updateMap);\n } else if (\n sourcemap.hasOwnProperty(FB\_SOURCES\_EXTENSION\_KEY) &&\n sourcemap[FB\_SOURCES\_EXTENSION\_KEY] != null\n ) {\n const fbMetadataArray = sourcemap[FB\_SOURCES\_EXTENSION\_KEY];\n

if (fbMetadataArray != null) {\n fbMetadataArray.forEach((fbMetadata, sourceIndex) => {\n // When extending source maps with React metadata using the\n // x\_facebook\_sources field, the position at index 1 on the\n // metadata tuple is reserved for React metadata\n const reactMetadata =\n fbMetadata !=

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null\n ? fbMetadata[REACT_METADATA_INDEX_IN_FB_METADATA]\n : null;\n if
(reactMetadata != null) {\n updateMap(reactMetadata, sourceIndex);\n }\n });\n }\n}\n\nreturn metadataMap;\n}\n\n/**\n * Decodes the function name mappings for the given source if needed, and\n * retrieves a sorted, searchable array of mappings.\n */\n_getHookMapForSource(source: string): ?HookMap {\n if (this._decodedHookMapCache.has(source)) {\n return this._decodedHookMapCache.get(source);\n }\n let\n hookMap = null;\n const metadataBySource = this._getMetadataBySource();\n\n const normalized = normalizeSourcePath(source, this._sourceMap);\n const metadata =\n metadataBySource.get(normalized);\n if (metadata != null) {\n const encodedHookMap =\n metadata[HOOK_MAP_INDEX_IN_REACT_METADATA];\n hookMap = encodedHookMap != null ?\n decodeHookMap(encodedHookMap) : null;\n }\n if (hookMap != null) {\n this._decodedHookMapCache.set(source, hookMap);\n }\n return hookMap;\n}\n\n"/**\n * Copyright (c)\n * Facebook, Inc. and its affiliates.\n */\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nimport\n{getHookNamesMappingFromAST} from './astUtils';\nimport {encode, decode} from 'sourcemap-codec';\nimport\n{File} from '@babel/types';\n\nexport type HookMap = {\n names: $ReadOnlyArray<string>,\n mappings:\n HookMapMappings,\n};\n\nexport type EncodedHookMap = {\n names: $ReadOnlyArray<string>,\n mappings:\n string,\n};\n\n//\n\nSee generateHookMap below for more details on formatting\nexport type HookMapEntry = [\n number, // 1-\n indexed line number\n number, // 0-indexed column number\n number, // 0-indexed index into names array\n number, // TODO: filler number to support reusing encoding from `sourcemap-codec` (see TODO\n below)\n];\n\nexport type HookMapLine = HookMapEntry[];\n\nexport type HookMapMappings =\n HookMapLine[];\n\n/**\n * Given a parsed source code AST, returns a `Hook Map`, which is a mapping\n * which maps locations in the source code to their corresponding Hook name, if there is a relevant Hook\n * name for that location (see getHookNamesMappingFromAST for details on the representation of the\n * mapping).\n * The format of the Hook Map follows a similar format as the `name` and `mappings` fields in\n * the Source Map spec, where `names` is an array of strings, and `mappings` contains segments lines, columns,\n * and indices into the `names` array.\n * E.g.:\n\n * {\n names: [\"<no-hook>\", \"state\"],\n mappings: [\n [-> line 1\n [1, 0, 0], -> line, col,\n name index\n],\n [-> line 2\n [2, 5, 1], -> line, col, name index\n],\n [2, 15, 0], -> line, col,\n name index\n],\n]\n }\n\n \nexport function generateHookMap(sourceAST: File): HookMap {\n const hookNamesMapping = getHookNamesMappingFromAST(sourceAST);\n const namesMap: Map<string,\n number> = new Map();\n const names = [];\n const mappings = [];\n\n let currentLine = null;\n\n hookNamesMapping.forEach(({name, start}) => {\n let nameIndex = namesMap.get(name);\n if (nameIndex ==\n null) {\n names.push(name);\n nameIndex = names.length - 1;\n namesMap.set(name, nameIndex);\n }\n\n // TODO: We add a -1 at the end of the entry so we can later\n // encode/decode the mappings by reusing\n the encode/decode functions\n // from the `sourcemap-codec` library. This library expects segments\n // of specific sizes (i.e. of size 4) in order to encode them correctly.\n // In the future, when we implement our\n own encoding, we will not\n // need this restriction and can remove the -1 at the end.\n const entry = [start.line,\n start.column, nameIndex, -1];\n\n if (currentLine !== start.line) {\n currentLine = start.line;\n mappings.push([entry]);\n } else {\n const current = mappings[mappings.length - 1];\n current.push(entry);\n }\n });\n\n return {names, mappings};\n}\n\n/**\n * Returns encoded version of a Hook\n * Map that is returned\n * by generateHookMap.\n * **NOTE:**\n * TODO: To encode the `mappings` in the\n * Hook Map, we\n * reuse the encode function from the `sourcemap-codec`\n * library, which means that we are\n * restricted to only\n * encoding segments of specific sizes.\n * Inside generateHookMap we make sure to build\n * segments\n * of size 4.\n * In the future, when we implement our own encoding, we will not\n * need this\n * restriction and can remove the -1 at the end.\n */\n\nexport function generateEncodedHookMap(sourceAST: File):\n EncodedHookMap {\n const hookMap = generateHookMap(sourceAST);\n const encoded =\n encode(hookMap.mappings);\n return {\n names: hookMap.names,\n mappings: encoded,\n };\n}\n\nexport

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function decodeHookMap(encodedHookMap: EncodedHookMap): HookMap {\n return {\n names: encodedHookMap.names,\n mappings: decode(encodedHookMap.mappings),\n };}\n}\n", "/*\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\nimport {withSyncPerfMeasurements} from 'react-devtools-shared/src/PerformanceLoggingUtils';\nimport {decode} from 'sourcemap-codec';\nimport type {\n IndexSourceMap,\n IndexSourceMapSection,\n BasicSourceMap,\n MixedSourceMap,\n} from './SourceMapTypes';\n\nexport type SearchPosition = {\n columnNumber: number,\n lineNumber: number,\n};\n\nexport type ResultPosition = {\n column: number,\n line: number,\n sourceContent: string,\n sourceURL: string,\n};\n\nexport type SourceMapConsumerType = {\n originalPositionFor: SearchPosition => ResultPosition,\n};\n\nexport type Mappings = Array<Array<Array<number>>>>;\n\nexport default function SourceMapConsumer(\n sourceMapJSON: MixedSourceMap | IndexSourceMapSection,\n): SourceMapConsumerType {\n if (sourceMapJSON.sections != null) {\n return IndexedSourceMapConsumer(((sourceMapJSON: any): IndexSourceMap));\n } else {\n return BasicSourceMapConsumer(((sourceMapJSON: any): BasicSourceMap));\n }\n}\n\nfunction BasicSourceMapConsumer(sourceMapJSON: BasicSourceMap) {\n const decodedMappings: Mappings = withSyncPerfMeasurements(\n 'Decoding source map mappings with sourcemap-codec',\n () => decode(sourceMapJSON.mappings),\n);\n\n function originalPositionFor({\n columnNumber,\n lineNumber,\n }: SearchPosition): ResultPosition {\n // Error.prototype.stack columns are 1-based (like most IDEs) but ASTs are 0-based.\n const targetColumnNumber = columnNumber - 1;\n\n const lineMappings = decodedMappings[lineNumber - 1];\n\n let nearestEntry = null;\n\n let startIndex = 0;\n let stopIndex = lineMappings.length - 1;\n let index = -1;\n while (startIndex <= stopIndex) {\n index = Math.floor((stopIndex + startIndex) / 2);\n nearestEntry = lineMappings[index];\n\n const currentColumn = nearestEntry[0];\n if (currentColumn === targetColumnNumber) {\n break;\n } else {\n if (currentColumn > targetColumnNumber) {\n if (stopIndex - index > 0) {\n stopIndex = index;\n } else {\n index = stopIndex;\n break;\n }\n } else {\n if (index - startIndex > 0) {\n startIndex = index;\n } else {\n index = startIndex;\n break;\n }\n }\n }\n }\n\n // We have found either the exact element, or the next-closest element.\n // However there may be more than one such element.\n // Make sure we always return the smallest of these.\n while (index > 0) {\n const previousEntry = lineMappings[index - 1];\n const currentColumn = previousEntry[0];\n if (currentColumn !== targetColumnNumber) {\n break;\n }\n index--;\n }\n\n if (nearestEntry == null) {\n // TODO maybe fall back to the runtime source instead of throwing?\n throw Error(`Could not find runtime location for line:${lineNumber} and column:${columnNumber}`,);\n }\n\n const sourceIndex = nearestEntry[1];\n const sourceContent =\n sourceMapJSON.sourcesContent != null\n ? sourceMapJSON.sourcesContent[sourceIndex]\n : null;\n const sourceURL =\n sourceMapJSON.sources[sourceIndex] ?? null;\n const line = nearestEntry[2] + 1;\n const column = nearestEntry[3];\n\n if (sourceContent === null || sourceURL === null) {\n // TODO maybe fall back to the runtime source instead of throwing?\n throw Error(`Could not find original source for line:${lineNumber} and column:${columnNumber}`,);\n }\n\n return {\n column,\n line,\n sourceContent,\n };\n }\n\n return ({\n originalPositionFor,\n }: any): SourceMapConsumerType);\n}\n\nexport type Section = {\n +generatedColumn: number,\n +generatedLine: number,\n +map: MixedSourceMap,\n};\n\n// Lazily parsed only when/as the section is needed.\nexport type SourceMapConsumerType | null;\n\nfunction IndexedSourceMapConsumer(sourceMapJSON: IndexSourceMap) {\n let lastOffset = {\n line: -1,\n column: 0,\n }; \n\n const sections: Array<Section> = sourceMapJSON.sections.map(section => {\n const offset = section.offset;\n const offsetLine = offset.line;\n const offsetColumn
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= offset.column;\n\n if (\n offsetLine < lastOffset.line ||\n (offsetLine === lastOffset.line && offsetColumn
< lastOffset.column)\n) {\n throw new Error('Section offsets must be ordered and non-overlapping.');
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lastOffset = offset;\n\n return {\n // The offset fields are 0-based, but we use 1-based indices when encoding/decoding from VLQ.\n generatedLine: offsetLine + 1,\n generatedColumn: offsetColumn + 1,\n map: section.map,\n sourceMapConsumer: null,\n };\n});\n\n function originalPositionFor({\n columnNumber,\n lineNumber,\n }: SearchPosition): ResultPosition {\n // Error.prototype.stack columns are 1-based (like most IDEs) but ASTs are 0-based.\n const targetColumnNumber = columnNumber - 1;\n\n let section = null;\n\n let startIndex = 0;\n let stopIndex = sections.length - 1;\n let index = -1;\n while (startIndex <= stopIndex) {\n index = Math.floor((stopIndex + startIndex) / 2);\n section = sections[index];\n const currentLine = section.generatedLine;\n if (currentLine === lineNumber) {\n const currentColumn = section.generatedColumn;\n if (currentColumn === line\n break;\n } else {\n if (currentColumn > targetColumnNumber) {\n if (stopIndex - index > 0) {\n stopIndex = index;\n } else {\n index = stopIndex;\n break;\n }\n } else {\n if (index - startIndex > 0) {\n startIndex = index;\n } else {\n index = startIndex;\n break;\n }\n }\n }\n } else {\n if (currentLine > lineNumber) {\n if (stopIndex - index > 0) {\n stopIndex = index;\n } else {\n index = stopIndex;\n break;\n }\n } else {\n if (index - startIndex > 0) {\n startIndex = index;\n } else {\n index = startIndex;\n break;\n }\n }\n }\n }\n\n if (section === null) {\n // TODO maybe fall back to the runtime source instead of throwing?\n throw Error(\n `Could not find matching section for line:\${lineNumber} and column:\${columnNumber}`,\n );\n }\n\n if (section.sourceMapConsumer === null) {\n // Lazily parse the section only when it's needed.\n section.sourceMapConsumer = new SourceMapConsumer(section.map);\n }\n\n return section.sourceMapConsumer.originalPositionFor({\n columnNumber,\n lineNumber,\n });\n }\n\n return (({\n originalPositionFor,\n }: any): SourceMapConsumerType);\n}\n\n"/\*\*\n \* Copyright (c) Facebook, Inc. and its affiliates.\n \* This source code is licensed under the MIT license found in the\n \* LICENSE file in the root directory of this source tree.\n \* @flow\n \*/\n\n// For an overview of why the code in this file is structured this way,\n// refer to header comments in loadSourceAndMetadata.\n\nimport {parse} from '@babel/parser';\nimport LRU from 'lru-cache';\nimport {getHookName} from './astUtils';\nimport {areSourceMapsAppliedToErrors} from './ErrorTester';\nimport {\_\_DEBUG\_\_} from 'react-devtools-shared/src/constants';\nimport {getHookSourceLocationKey} from 'react-devtools-shared/src/hookNamesCache';\nimport {SourceMapMetadataConsumer} from './SourceMapMetadataConsumer';\nimport {\n withAsyncPerfMeasurements,\n withSyncPerfMeasurements,\n} from 'react-devtools-shared/src/PerformanceLoggingUtils';\nimport SourceMapConsumer from './SourceMapConsumer';\nimport type {SourceMapConsumerType} from './SourceMapConsumer';\nimport type {\n HooksList,\n LocationKeyToHookSourceAndMetadata,\n} from './loadSourceAndMetadata';\nimport type {HookSource} from 'react-debug-tools/src/ReactDebugHooks';\nimport type {HookNames, LRUCache} from 'react-devtools-shared/src/types';\n\ntype AST = mixed;\n\ntype HookParsedMetadata = {\n // API for consuming metadata present in extended source map.\n metadataConsumer: SourceMapMetadataConsumer | null,\n // AST for original source code; typically comes from a consumed source map.\n originalSourceAST: AST | null,\n // Source code (React components or custom hooks) containing primitive hook calls.\n // If no source map has been provided, this code will be the same as runtimeSourceCode.\n originalSourceCode: string | null,\n // Original source URL if there is a source map, or the same as runtimeSourceURL.\n originalSourceURL: string | null,\n // Line number in original source code.\n originalSourceLineNumber: number | null,\n // Column number in original source code.\n originalSourceColumnNumber: number | null,\n // Alternate APIs from source-map for parsing source maps (if detected).\n sourceMapConsumer: SourceMapConsumerType | null,\n};\n\ntype LocationKeyToHookParsedMetadata = Map<string, HookParsedMetadata>;

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cachedRuntimeCodeMetadata = {\n metadataConsumer: SourceMapMetadataConsumer | null,\n sourceMapConsumer: SourceMapConsumerType | null,\n}\n\nconst runtimeURLToMetadataCache:\n LRU<\n string,\n CachedRuntimeCodeMetadata,\n> = new LRU({max: 50});\n\nCachedSourceCodeMetadata = {\n originalSourceAST: AST,\n originalSourceCode: string,\n};\n\nconst\n originalURLToMetadataCache: LRU<\n string,\n CachedSourceCodeMetadata,\n> = new LRU({\n max:\n 50,\n dispose: (originalSourceURL: string, metadata: CachedSourceCodeMetadata) => {\n if (__DEBUG__) {\n console.log(\n `originalURLToMetadataCache.dispose() Evicting cached metadata for\n\n` + originalSourceURL +`\n`);\n }\n });\n }\n\nexport async function parseSourceAndMetadata(\n hooksList: HooksList,\n locationKeyToHookSourceAndMetadata: LocationKeyToHookSourceAndMetadata,\n):\n Promise<HookNames | null> {\n return withAsyncPerfMeasurements('parseSourceAndMetadata()', async ()\n => {\n const locationKeyToHookParsedMetadata = withSyncPerfMeasurements(\n 'initializeHookParsedMetadata',\n () =>\n initializeHookParsedMetadata(locationKeyToHookSourceAndMetadata),\n);\n\n withSyncPerfMeasurements('parseSourceMaps', () =>\n parseSourceMaps(\n locationKeyToHookSourceAndMetadata,\n locationKeyToHookParsedMetadata,\n),\n);\n\n withSyncPerfMeasurements('parseSourceAST()', () =>\n parseSourceAST(\n locationKeyToHookSourceAndMetadata,\n locationKeyToHookParsedMetadata,\n),\n);\n\n return\n withSyncPerfMeasurements('findHookNames()', () =>\n findHookNames(hooksList,\n locationKeyToHookParsedMetadata),\n);\n });\n }\n\nfunction findHookNames(\n hooksList: HooksList,\n locationKeyToHookParsedMetadata: LocationKeyToHookParsedMetadata,\n): HookNames {\n const map:\n HookNames = new Map();\n\n hooksList.map(hook => {\n // We already guard against a null HookSource in\n parseHookNames()\n\n const hookSource = ((hook.hookSource: any): HookSource);\n const fileName = hookSource.fileName;\n if\n (!fileName) {\n return null; // Should not be reachable.\n }\n\n const locationKey =\n getHookSourceLocationKey(hookSource);\n const hookParsedMetadata =\n locationKeyToHookParsedMetadata.get(locationKey);\n if (!hookParsedMetadata) {\n return null; // Should\n not be reachable.\n }\n\n const {lineNumber, columnNumber} = hookSource;\n if (!lineNumber ||\n !columnNumber) {\n return null; // Should not be reachable.\n }\n\n const {\n originalSourceURL,\n originalSourceColumnNumber,\n originalSourceLineNumber,\n } = hookParsedMetadata;\n\n if (\n originalSourceLineNumber == null ||\n originalSourceColumnNumber == null ||\n originalSourceURL ==\n null\n) {\n return null; // Should not be reachable.\n }\n\n let name;\n const {metadataConsumer} =\n hookParsedMetadata;\n if (metadataConsumer != null)\n {\n name = withSyncPerfMeasurements('metadataConsumer.hookNameFor()', () =>\n metadataConsumer.hookNameFor({\n line: originalSourceLineNumber,\n column:\n originalSourceColumnNumber,\n source: originalSourceURL,\n },\n));\n }\n\n if (name == null)\n {\n name = withSyncPerfMeasurements('getHookName()', () =>\n getHookName(\n hook,\n hookParsedMetadata.originalSourceAST,\n ((hookParsedMetadata.originalSourceCode: any): string),\n ((originalSourceLineNumber: any): number),\n originalSourceColumnNumber,\n),\n);\n }\n\n if\n (__DEBUG__)\n {\n console.log(`findHookNames() Found name\n\n` + name +`\n`);\n }\n\n const key =\n getHookSourceLocationKey(hookSource);\n map.set(key, name);\n });\n\n return map;\n }\n\nfunction\n initializeHookParsedMetadata(\n locationKeyToHookSourceAndMetadata:\n LocationKeyToHookSourceAndMetadata,\n) {\n // Create map of unique\n source locations (file names plus line and column numbers) to metadata about hooks.\n const\n locationKeyToHookParsedMetadata: LocationKeyToHookParsedMetadata = new Map();\n\n locationKeyToHookSourceAndMetadata.forEach(\n (hookSourceAndMetadata, locationKey) => {\n const\n hookParsedMetadata: HookParsedMetadata = {\n metadataConsumer: null,\n originalSourceAST: null,\n originalSourceCode: null,\n originalSourceURL: null,\n originalSourceLineNumber: null,\n originalSourceColumnNumber: null,\n sourceMapConsumer: null,\n }; \n
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locationKeyToHookParsedMetadata.set(locationKey, hookParsedMetadata);\n },\n);\n\n return\n locationKeyToHookParsedMetadata;\n }\n\n function parseSourceAST(\n locationKeyToHookSourceAndMetadata:\n LocationKeyToHookSourceAndMetadata,\n locationKeyToHookParsedMetadata:\n LocationKeyToHookParsedMetadata,\n): void {\n locationKeyToHookSourceAndMetadata.forEach(\n (hookSourceAndMetadata, locationKey)\n) => {\n const hookParsedMetadata = locationKeyToHookParsedMetadata.get(\n locationKey,\n);\n if\n (hookParsedMetadata == null) {\n throw Error(`Expected to find HookParsedMetadata for\n        \"${locationKey}\"`);\n }\n if (hookParsedMetadata.originalSourceAST !== null) {\n // Use cached\n metadata.\n return;\n }\n if (\n hookParsedMetadata.originalSourceURL !== null &&\n hookParsedMetadata.originalSourceCode !== null &&\n hookParsedMetadata.originalSourceColumnNumber !==\n null &&\n hookParsedMetadata.originalSourceLineNumber !== null\n) {\n // Use cached metadata.\n return;\n }\n const {lineNumber, columnNumber} = hookSourceAndMetadata.hookSource;\n if\n (lineNumber == null || columnNumber == null) {\n throw Error('Hook source code location not found.);\n }\n const {metadataConsumer, sourceMapConsumer} = hookParsedMetadata;\n const runtimeSourceCode\n = ((hookSourceAndMetadata.runtimeSourceCode: any): string);\n let hasHookMap = false;\n let\n originalSourceURL;\n let originalSourceCode;\n let originalSourceColumnNumber;\n let\n originalSourceLineNumber;\n if (areSourceMapsAppliedToErrors() || sourceMapConsumer === null) {\n //\n Either the current environment automatically applies source maps to errors,\n // or the current code had no\n source map to begin with.\n // Either way, we don't need to convert the Error stack frame locations.\n originalSourceColumnNumber = columnNumber;\n originalSourceLineNumber = lineNumber;\n // There's\n no source map to parse here so we can just parse the original source itself.\n originalSourceCode =\n runtimeSourceCode;\n // TODO (named hooks) This mixes runtimeSourceURLs with source mapped URLs in\n the same cache key space.\n // Namespace them?\n originalSourceURL =\n hookSourceAndMetadata.runtimeSourceURL;\n }\n else {\n const {\n column,\n line,\n sourceContent,\n sourceURL,\n } =\n sourceMapConsumer.originalPositionFor({\n columnNumber,\n lineNumber,\n });\n originalSourceColumnNumber = column;\n originalSourceLineNumber = line;\n originalSourceCode =\n sourceContent;\n originalSourceURL = sourceURL;\n }\n hookParsedMetadata.originalSourceCode =\n originalSourceCode;\n hookParsedMetadata.originalSourceURL = originalSourceURL;\n hookParsedMetadata.originalSourceLineNumber = originalSourceLineNumber;\n hookParsedMetadata.originalSourceColumnNumber = originalSourceColumnNumber;\n if (\n metadataConsumer !== null &&\n metadataConsumer.hasHookMap(originalSourceURL)\n) {\n hasHookMap = true;\n }\n if (__DEBUG__) {\n console.log(\n `parseSourceAST() mapped line\n          ${lineNumber}->${originalSourceLineNumber} and column\n          ${columnNumber}->${originalSourceColumnNumber}`,\n);\n }\n if (hasHookMap) {\n if\n (__DEBUG__) {\n console.log(\n `parseSourceAST() Found hookMap and skipping parsing for\n            \"${originalSourceURL}\"`,\n);\n // If there's a hook map present from an extended sourcemap\n then\n // we don't need to parse the source files and instead can use the\n // hook map to extract hook\n names.\n return;\n }\n if (__DEBUG__) {\n console.log(\n `parseSourceAST() Did not find\n            hook map for \"${originalSourceURL}\"`,\n);\n // The cache also serves to deduplicate parsing by\n URL in our loop over location keys.\n // This may need to change if we switch to async parsing.\n const\n sourceMetadata = originalURLToMetadataCache.get(originalSourceURL);\n if (sourceMetadata !== null) {\n if (__DEBUG__) {\n console.groupCollapsed(\n `parseSourceAST()\n                Found cached source metadata for \"${originalSourceURL}\"`,\n);\n console.log(sourceMetadata);\n console.groupEnd();\n }\n hookParsedMetadata.originalSourceAST =\n sourceMetadata.originalSourceAST;\n hookParsedMetadata.originalSourceCode =\n sourceMetadata.originalSourceCode;\n }\n else {\n try {\n // TypeScript is the most commonly used\n typed JS variant so let's default to it\n // unless we detect explicit Flow usage via the \"@flow\" pragma.\n
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const plugin =\n originalSourceCode.indexOf('@flow') > 0 ? 'flow' : 'typescript';\n\n // TODO (named hooks) This is probably where we should check max source length,\n // rather than in loadSourceAndMetadata\n-> loadSourceFiles().\n // TODO(#22319): Support source files that are html files with inline script tags.\nconst originalSourceAST = withSyncPerfMeasurements(\n '@babel/parser'\n parse(originalSourceCode),\n () =>\n parse(originalSourceCode, {\n sourceType: 'unambiguous',\n plugins: ['jsx', plugin],\n })),\n);\nhookParsedMetadata.originalSourceAST = originalSourceAST;\n\n if (__DEBUG__) {\n console.log(\n `parseSourceAST() Caching source metadata for "${originalSourceURL}",\n      );\n      }\n\n      originalURLToMetadataCache.set(originalSourceURL, {\n      originalSourceAST,\n      originalSourceCode,\n      });\n      } catch (error) {\n      throw new Error(\n      `Failed to parse source file: ${originalSourceURL}\\n\\n` +\n      `Original error: ${error}`,,\n);\n }\n },\n);\n\nfunction parseSourceMaps(\n locationKeyToHookSourceAndMetadata:\n LocationKeyToHookSourceAndMetadata,\n locationKeyToHookParsedMetadata:\n LocationKeyToHookParsedMetadata,\n)\n{\n locationKeyToHookSourceAndMetadata.forEach(\n (hookSourceAndMetadata, locationKey) => {\n const\n hookParsedMetadata = locationKeyToHookParsedMetadata.get(\n locationKey,\n);\n if\n (hookParsedMetadata == null) {\n throw Error(`Expected to find HookParsedMetadata for\n      "${locationKey}"`);\n }\n const {runtimeSourceURL, sourceMapJSON} = hookSourceAndMetadata;\n // If we've already loaded the source map info for this file,\n // we can skip reloading it (and more importantly,\n re-parsing it).\n const runtimeMetadata = runtimeURLToMetadataCache.get(runtimeSourceURL);\n if\n (runtimeMetadata != null) {\n if (__DEBUG__) {\n console.groupCollapsed(\n `parseHookNames()\n      Found cached runtime metadata for file "${runtimeSourceURL}"`,,\n);\n }\n console.log(runtimeMetadata);\n console.groupEnd();\n }\n }\n hookParsedMetadata.metadataConsumer = runtimeMetadata.metadataConsumer;\n\n hookParsedMetadata.sourceMapConsumer =\n runtimeMetadata.sourceMapConsumer;\n } else {\n if (sourceMapJSON != null) {\n const sourceMapConsumer = withSyncPerfMeasurements(\n 'new\n SourceMapConsumer(sourceMapJSON)',\n () => SourceMapConsumer(sourceMapJSON),\n);\n }\n const metadataConsumer = withSyncPerfMeasurements(\n 'new\n SourceMapMetadataConsumer(sourceMapJSON)',\n () => new\n SourceMapMetadataConsumer(sourceMapJSON),\n);\n hookParsedMetadata.metadataConsumer =\n metadataConsumer;\n hookParsedMetadata.sourceMapConsumer = sourceMapConsumer;\n }\n // Only set\n once to avoid triggering eviction/cleanup code.\n runtimeURLToMetadataCache.set(runtimeSourceURL, {\n metadataConsumer: metadataConsumer,\n sourceMapConsumer: sourceMapConsumer,\n });\n }\n }\n },\n);\n\nexport function purgeCachedMetadata():\nvoid {\n originalURLToMetadataCache.reset();\n runtimeURLToMetadataCache.reset();\n }\n },\n /**\n * Copyright\n (c) Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *\n LICENSE file in the root directory of this source tree.\n */\n import * as parseSourceAndMetadataModule from\n './parseSourceAndMetadata';\n export const parseSourceAndMetadata =\n parseSourceAndMetadataModule.parseSourceAndMetadata;\n export const purgeCachedMetadata =\n parseSourceAndMetadataModule.purgeCachedMetadata;\n },\n ["sourceRoot": ""]\n}

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Found in path(s):

\* /react-devtools-core-4-24-0-tgz/package/dist/parseSourceAndMetadata.worker.worker.js.map

MIT

No license file was found, but licenses were detected in source scan.

```

{"version":3,"sources":["webpack://ReactDevToolsBackend/webpack/universalModuleDefinition","webpack://ReactDevToolsBackend/webpack/bootstrap","webpack://ReactDevToolsBackend/..react-devtools-

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shared/src/constants.js","webpack://ReactDevToolsBackend/./react-devtools-  
shared/src/types.js","webpack://ReactDevToolsBackend/./react-devtools-  
shared/src/utls.js","webpack://ReactDevToolsBackend/./react-devtools-  
shared/src/backend/ReactSymbols.js","webpack://ReactDevToolsBackend/./react-devtools-  
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ffer","isView","constructor","toStringValue","prototype","getDisplayNameForReactElement","element","elementType","typeof","ContextConsumer","ContextProvider","ForwardRef","Fragment","Lazy","Memo","Portal","Profiler","Suspense","SuspenseList","TracingMarker","MAX\_PREVIEW\_STRING\_LENGTH","truncateForDisplay","substr","formatDataForPreview","showFormattedValue","meta","preview\_long","preview\_short","tagName","toLowerCase","byteLength","buffer","formatted","size","shortName","entryOrEntries","toStringTag","sort","CONCURRENT\_MODE\_NUMBER","CONCURRENT\_MODE\_SYMBOL\_STRING","CONTEXT\_NUMBER","CONTEXT\_SYMBOL\_STRING","SERVER\_CONTEXT\_SYMBOL\_STRING","DEPRECATED\_ASYNC\_MODE\_SYMBOL\_STRING","ELEMENT\_NUMBER","ELEMENT\_SYMBOL\_STRING","DEBUG\_TRACING\_MODE\_NUMBER","DEBUG\_TRACING\_MODE\_SYMBOL\_STRING","FORWARD\_REF\_NUMBER","FORWARD\_REF\_SYMBOL\_STRING","FRAGMENT\_NUMBER","FRAGMENT\_SYMBOL\_STRING","LAZY\_NUMBER","LAZY\_SYMBOL\_STRING","MEMO\_NUMBER","MEMO\_SYMBOL\_STRING","PORTAL\_NUMBER","PORTAL\_SYMBOL\_STRING","PROFILER\_NUMBER","PROFILER\_SYMBOL\_STRING","PROVIDER\_NUMBER","PROVIDER\_SYMBOL\_STRING","SCOPE\_NUMBER","SCOPE\_SYMBOL\_STRING","STRICT\_MODE\_NUMBER","STRICT\_MODE\_SYMBOL\_STRING","SUSPENSE\_NUMBER","SUSPENSE\_SYMBOL\_STRING","SUSPENSE\_LIST\_NUMBER","SUSPENSE\_LIST\_SYMBOL\_STRING","SERVER\_CONTEXT\_DEFAULT\_VALUE\_NOT\_LOADED\_SYMBOL\_STRING","cleanForBridge","isPathAllowed","cleanedPaths","unserializablePaths","cleanedData","dehydrate","cleaned","unserializable","copyToClipboard","safeToCopy","serializeToString","text","clipboardCopyText","window","\_\_REACT\_DEVTOOLS\_GLOBAL\_HOOK\_\_","catch","err","copy","copyWithDelete","index","updated","copyWithRename","oldKey","newKey","copyWithSet","getEffectDurations","root","effectDuration","passiveEffectDuration","hostRoot","stateNode","cache","has","format","maybeMessage","inputArgs","args","REGEXP","replace","escaped","ptn","flag","arg","shift","parseFloat","isSynchronousXHRSupported","document","featurePolicy","allowsFeature","localStorage","getItem","localStorageRemoveItem","removeItem","setItem","sessionStorage.getItem","sessionStorage","sessionStorageRemoveItem","sessionStorageSetItem","module","exports","require","isArrayImpl","OVERRIDE\_CONSOLE\_METHODS","DIMMED\_NODE\_CONSOLE\_COLOR","PREFIX\_REGEX","ROW\_COLUMN\_NUMBER\_REGEX","isStringComponentStack","test","STYLE\_DIRECTIVE\_REGEX","isStrictModeOverride","method","getConsoleColor","consoleSettingsRef","browserTheme","injectedRenderers","Map","targetConsole","targetConsoleMethods","unpatchFn","isNode","global","dangerous\_setTargetConsoleForTesting","targetConsoleForTesting","registerRenderer","renderer","onErrorOrWarning","currentDispatcherRef","getCurrentFiber","findFiberByHostInstance","version","getInternalReactConstants","ReactTypeOfWork","workTagMap","appendComponentStack","breakOnConsoleErrors","showInlineWarningsAndErrors","hideConsoleLogsInStrictMode","patch","originalConsoleMethods","originalMethod","\_\_REACT\_DEVTOOLS\_ORIGINAL\_METHOD\_\_","overrideMethod","shouldAppendWarningStack","lastArg","alreadyHasComponentStack","shouldShowInlineWarningsAndErrors","values","componentStack","getStackByFiberInDevAndProd","setTimeout","\_\_REACT\_DEVTOOLS\_OVERRIDE\_METHOD\_\_","unpatch","unpatchForStrictModeFn","patchForStrictMode","consoleManagedByDevToolsDuringStrictMode","overrideConsoleMethods","\_\_REACT\_DEVTOOLS\_STRICT\_MODE\_ORIGINAL\_METHOD\_\_","color","\_\_REACT\_DEVTOOLS\_STRICT\_MODE\_OVERRIDE\_METHOD\_\_","unpatchForStrictMode","SemVer","debug","NODE\_DEBUG","arguments","apply","SEMVER\_SPEC\_VERSION","MAX\_LENGTH","MAX\_SAFE\_INTEGER","MAX\_SAFE\_COMPONENT\_LENGTH","re","src","t","tokens","R","tok","n","NUMERICIDENTIFIER","NUMERICIDENTIFIERLOOSE","NONNUMERICIDENTIFIER","MAINVERSION","MAINVERSIONLOOSE","PRERELEASEIDENTIFIER","PRERELEASEIDENTIFIERLOOSE","PRERELEASE","PRERELEASELOOSE","BUILDIDENTIFIER","BUILD","FULLPLAIN","FULL","LOOSEPLAIN","LOOSE","GTLT","XRANGEIDENTIFIERLOOSE","XRANGEIDENTIFIER","XRANGEPLAIN","XRANGEPLAINLOOSE","XRANGE","XRANGELOOSE","COERCE","COERCERTL","RegExp","LONETILDE","TILDETRIM","tildeTrimReplace","TILDE","TILDELOOSE","LONECARET","CARETTRIM","caretTrimReplace","CARET","CARETLOOSE","COMPARATORLOOSE","COMPARATOR","COMPARATORTRIM","comparatorTrimReplace","HYPHENRANGE","HYPHENRANGELOOSE","STAR","options","loose","includePrerelease","r","er","valid","v","clean","s","trim","TypeError","m","major","minor","prerelease","split","map","num","build","compare","other","compareMain","comparePre","compareIdentifiers","compareBuild","inc","release","identifier","diff","version1","version2



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loor","selfDuration","metadata","maxActualDuration","recordChangeDescriptions","changeDescription","changeDescriptions","recordResetChildren","childSet","nextChildren","findReorderedChildrenRecursively","updateFiberRecursively","shouldResetChildren","prevDidTimeout","nextDidTimeout","nextFiberChild","nextFallbackChildSet","prevFiberChild","prevFallbackChildSet","nextPrimaryChildSet","nextChild","prevChildAtSameIndex","prevChild","hostFibers","findAllCurrentHostFibers","hostFiber","nextChildSet","cleanup","rootSupportsProfiling","memoizedInteractions","flushInitialOperations","localPendingOperationsQueue","trackedPath","mightBeOnTrackedPath","commitTime","profilingStartTime","priorityLevel","updaters","getUpdatersList","memoizedUpdaters","fiberToSerializedElement","handleCommitFiberUnmount","handlePostCommitFiberRoot","handleCommitFiberRoot","formatPriorityLevel","wasMounted","isMounted","removeRootPseudoKey","commitProfilingMetadata","rootToCommitProfilingMetadataMap","fibers","findCurrentFiberUsingSlowPathById","findNativeNodesForFiberID","maybeFallbackFiber","Boolean","getDisplayNameForFiberID","getFiberIDForNative","hostInstance","findNearestUnfilteredAncestor","assertIsMounted","getNearestMountedFiber","nearestMounted","nextNode","parentA","parentB","nextParent","didFindChild","prepareViewAttributeSource","isMostRecentlyInspectedElement","\$attribute","prepareViewElementSource","\$type","getOwnersList","owners","owner","getInstanceAndStyle","isErrorBoundary","getDerivedStateFromError","componentDidCatch","getNearestErrorBoundaryID","inspectElementRaw","usesHooks","showState","canViewSource","shouldHideContext","contextTypes","consumerResolvedContext","\_currentValue","currentType","currentTypeSymbol","providerResolvedContext","hasLegacyContext","inspectHooksOfFiber","rootType","errors","warnings","isErrored","targetErrorBoundaryID","plugins","stylex","xstyle","canEditHooks","canEditFunctionProps","canEditHooksAndDeletePaths","canEditHooksAndRenamePaths","canEditFunctionPropsDeletePaths","canEditFunctionPropsRenamePaths","canToggleError","canToggleSuspense","forceFallbackForSuspenseIDs","rendererPackageName","rendererVersion","currentlyInspectedPaths","isMostRecentlyInspectedElementCurrent","mergeInspectedPaths","createIsPathAllowed","secondaryCategory","updateSelectedElement","inspectedElement","\$r","storeAsGlobal","copyElementPath","inspectElement","requestID","forceFullData","responseID","cleanedInspectedElement","logElementToConsole","supportsGroup","nativeNodes","chrome","navigator","userAgent","deletePath","hookID","forceUpdate","pendingProps","renamePath","overrideValueAtPath","initialTreeBaseDurationsMap","initialIDToRootMap","getProfilingData","dataForRoots","commitData","initialTreeBaseDurations","commitProfilingData","commitIndex","fiberActualDurations","fiberSelfDurations","timelineData","rest","batchUIDToMeasuresKeyValueArray","laneToLabelKeyValueArray","laneToReactMeasureKeyValueArray","startProfiling","shouldRecordChangeDescriptions","stopProfiling","shouldErrorFiberAccordingToMap","status","overrideError","forceError","shouldSuspendFiberAlwaysFalse","shouldSuspendFiberAccordingToSet","overrideSuspense","forceFallback","trackedPathMatchDepth","returnFiber","returnAlternate","actualFrame","getPathFrame","expectedFrame","rootPseudoKeys","counter","pseudoKey","substring","lastIndexOf","preferredDisplayName","fallbackDisplayName","getPathForElement","keyPath","reverse","getBestMatchForTrackedPath","isFullMatch","setTraceUpdatesEnabled","patchConsoleForStrictMode","unpatchConsoleForStrictMode","cachedSetTimeout","cachedClearTimeout","defaultSetTimeout","defaultClearTimeout","runTimeout","fun","runClearTimeout","marker","queue","draining","currentQueue","queueIndex","cleanUpNextTick","drainQueue","timeout","len","run","nextTick","Item","title","browser","argv","noop","on","addListener","once","off","removeListener","removeAllListeners","prependListener","prependOnceListener","listeners","binding","cwd","chdir","dir","umask","REACT\_ELEMENT\_TYPE","for","REACT\_PORTAL\_TYPE","REACT\_FRAGMENT\_TYPE","REACT\_STRICT\_MODE\_TYPE","REACT\_PROFILER\_TYPE","REACT\_PROVIDER\_TYPE","REACT\_CONTEXT\_TYPE","REACT\_SERVER\_CONTEXT\_TYPE","REACT\_FORWARD\_REF\_TYPE","REACT\_SUSPENSE\_TYPE","REACT\_SUSPENSE\_LIST\_TYPE","REACT\_MEMO\_TYPE","REACT\_LAZY\_TYPE","REACT\_SCOPE\_TYPE","REACT\_DEBUG\_TRACING\_MODE\_TYPE","REACT\_OFFSCREEN\_TYPE","REACT\_LEGACY\_HIDDEN\_TYPE","REACT\_CACHE\_TYPE","REACT\_TRACING\_MARKER\_TYPE","REACT\_SERVER\_CONTEXT\_DEFAULT\_VALUE\_NOT\_LOADED","MAYBE\_ITERATOR\_SYMBOL","FAUX\_ITERATOR\_SYMBOL","getIteratorFn","maybeIterable","maybeIterator","definition","addEventListener","clipboard","\_intercept","\_data","\_bogusSelection","getSelection","removeAllRanges","clipboardData","setData","preventDefault","bogusSelect","sel","queryCommandEnabled","isCollapsed","createRange","selectNodeContents","body","addRange","Promise","resolve","reject","Node","XMLSerializer","triggerCopy","tryBogu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**Open Source Used In AppDynamics ReactNative Agent 23.7.0 2090**

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AFD,iBAEO;AACJ,mBAAO2/D,oCAAP;AACD,WAJF;AAKCx/D,aALD,eAKKgD,KALL,EAKY;AACTw8D,gD  
AAoC,GAAGx8D,KAAvC;AACAy8D,yBAAa;AACd;AARF,SAHH;AACd;AACF;AACF,GA9ID;;AAgJA,WAA  
SV,WAAT,GAAuB;AACrB,QAAIlkE,8BAAJ,EAAe;AACbqY,mBAAK,CAAC,mBAAD,CAAL;AACD;;AAED,  
QAAIo8C,MAAM,KAAK,IAAf,EAAqB;AACnBA,YAAM,CAAC78B,IAAP,CAAY,UAAZ;AACD;;AAEDgsC,iB  
AAa;AACd;;AAED,WAASQ,YAAT,GAAwB;AACtB,QAAIpke,8BAAJ,EAAe;AACbqY,mBAAK,CAAC,mBAA  
D,CAAL;AACD;;AAEDurD,iBAAa;AACd;;AAED,WAASS,aAAT,CAAuB9IB,KAAvB,EAA8B;AAC5B,QAAIx  
yC,IAAJ;;AACa,QAAI;AACF,UAAI,OAAOwyC,KAAK,CAACxyC,IAAb,KAAsB,QAA1B,EAAoC;AACICA,Y  
AAI,GAAGvD,IAAI,CAACC,KAAAL,CAAW81C,KAAK,CAACxyC,IAAjB,CAAP;;AACa,YAAI/L,8BAAJ,EAA  
e;AACbqY,uBAAK,CAAC,qBAAD,EAAwBtM,IAAXB,CAAL;AACD;AACF,OALD,MAKO;AACL,cAAMhE,K  
AAK,EAAx;AACD;AACF,KATD,CASE,OAAOuf,CAAP,EAAU;AACVtf,aAAO,CAACU,KAAAR,CACE,4CAA6  
C61C,KAAK,CAACxyC,IADrD;AAGA;AACD;;AACD83D,oBAAgB,CAACt/D,OAAjB,CAAYB,UAAAszC,EA  
AE,EAAI;AAC7B,UAAI;AACFA,UAAE,CAAC9rC,IAAD,CAAF;AACD,OAFD,CAEE,OAAOrD,KAAP,EAAc;  
AACd;AACa;AACa;AACAV,eAAO,CAACC,GAAR,CAAY,yCAAZ,EAAuD8D,IAAvD;AACa/D,eAAO,CAA  
CC,GAAR,CAAY,QAAZ,EAAsBS,KAAAtB;AACa,cAAMA,KAAAN;AACD;AACF,KAXD;AAYD;AACF,C","file  
": "backend.js", "sourcesContent": ["(function  
webpackUniversalModuleDefinition(root, factory) {\n\tif(typeof exports === 'object' && typeof module ===  
'object')\n\t\tmodule.exports = factory();\n\telse if(typeof define === 'function' && define.amd)\n\t\tdefine([],  
factory);\n\telse if(typeof exports === 'object')\n\t\texports["ReactDevToolsBackend"] =  
factory();\n\telse\n\t\troot["ReactDevToolsBackend"] = factory();\n})(window, function() {\n\treturn ", " \t// The  
module cache\n\tvar installedModules = {};\n\t\n\t// The require function\n\tfunction  
\_\_webpack\_require\_\_(moduleId) {\n\t\n\t\t// Check if module is in cache\n\t\tif(installedModules[moduleId]) {\n\t\n\t\t\treturn installedModules[moduleId].exports;\n\t\t}\n\t\t\n\t\t// Create a new module (and put it into the cache)\n\t\tvar module = installedModules[moduleId] = {\n\t\t\t\tmoduleId: moduleId,\n\t\t\t\tloaded: false,\n\t\t\t\texports: {}\n\t\t};\n\t\t\n\t\t// Execute the module function\n\t\tmodules[moduleId].call(module.exports,  
module, module.exports, \_\_webpack\_require\_\_); \n\t\t\n\t\t// Flag the module as loaded\n\t\tmodule.l = true;\n\t\t\n\t\t// Return the exports of the module\n\t\treturn module.exports;\n\t}\n\t\n\t\n\t\t// expose the modules object  
(\_\_webpack\_modules\_\_)\n\t\t\_\_webpack\_require\_\_.m = modules;\n\t\t\n\t\t// expose the module cache\n\t\t\_\_webpack\_require\_\_.c = installedModules;\n\t\t\n\t\t// define getter function for harmony exports\n\t\t\_\_webpack\_require\_\_.d = function(exports, name, getter) {\n\t\t\tif(!\_\_webpack\_require\_\_.o(exports, name)) {\n\t\t\t\tObject.defineProperty(exports, name, { enumerable: true, get: getter });\n\t\t\t}\n\t\t}\n\t\t\n\t\t// define \_\_esModule  
on exports\n\t\t\_\_webpack\_require\_\_.r = function(exports) {\n\t\t\tif(typeof Symbol !== 'undefined' &&



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'React::DevTools::hideConsoleLogsInStrictMode';\n\nexport const PROFILER_EXPORT_VERSION =
5;\n\nexport const CHANGE_LOG_URL =\n 'https://github.com/facebook/react/blob/main/packages/react-
devtools/CHANGELOG.md';\n\nexport const
UNSUPPORTED_VERSION_URL =\n 'https://reactjs.org/blog/2019/08/15/new-react-devtools.html#how-do-i-
get-the-old-version-back';\n\nexport const REACT_DEVTOOLS_WORKPLACE_URL =\n
'https://fburl.com/react-devtools-workplace-group';\n\nimport type {\n Theme,\n DisplayDensity,\n} from
'./devtools/views/Settings/SettingsContext';\n\nexport const THEME_STYLES: {[style: Theme | DisplayDensity]:
any} = {\n light: {\n '--color-attribute-name': '#ef6632',\n '--color-attribute-name-not-editable': '#23272f',\n '--
color-attribute-name-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-attribute-value': '#1a1aa6',\n '--color-
attribute-value-inverted': '#ffffff',\n '--color-attribute-editable-value': '#1a1aa6',\n '--color-background': '#ffffff',\n
'--color-background-hover': 'rgba(0, 136, 250, 0.1)',\n '--color-background-inactive': '#e5e5e5',\n '--color-
background-invalid': '#fff0f0',\n '--color-background-selected': '#0088fa',\n '--color-button-background':
'ffffff',\n '--color-button-background-focus': '#ededed',\n '--color-button': '#5f6673',\n '--color-button-
disabled': '#cfd1d5',\n '--color-button-active': '#0088fa',\n '--color-button-focus': '#23272f',\n '--color-button-
hover': '#23272f',\n '--color-border': '#eeeeee',\n '--color-commit-did-not-render-fill': '#cfd1d5',\n '--color-
commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-pattern': '#cfd1d5',\n '--color-
commit-did-not-render-pattern-text': '#333333',\n '--color-commit-gradient-0': '#37afa9',\n '--color-commit-
gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--
color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5': '#beb771',\n '--color-commit-gradient-6':
'#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-
gradient-9': '#febc38',\n '--color-commit-gradient-text':
'#000000',\n '--color-component-name': '#6a51b2',\n '--color-component-name-inverted': '#ffffff',\n '--color-
component-badge-background': 'rgba(0, 0, 0, 0.1)',\n '--color-component-badge-background-inverted': 'rgba(255,
255, 255, 0.25)',\n '--color-component-badge-count': '#777d88',\n '--color-component-badge-count-inverted':
'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#ffffff',\n '--color-console-error-background':
'fffff0f0',\n '--color-console-error-border': '#ffd6d6',\n '--color-console-error-icon': '#eb3941',\n '--color-console-
error-text': '#fe2e31',\n '--color-console-warning-badge-text': '#000000',\n '--color-console-warning-background':
'ffffbe5',\n '--color-console-warning-border': '#fff5c1',\n '--color-console-warning-icon': '#f4bd00',\n '--color-
console-warning-text': '#64460c',\n '--color-context-background': 'rgba(0,0,0,.9)',\n '--color-context-background-
hover': 'rgba(255, 255, 255,
0.1)',\n '--color-context-background-selected': '#178fb9',\n '--color-context-border': '#3d424a',\n '--color-
context-text': '#ffffff',\n '--color-context-text-selected': '#ffffff',\n '--color-dim': '#777d88',\n '--color-dimmer':
'#cfd1d5',\n '--color-dimmest': '#eff0f1',\n '--color-error-background': 'hsl(0, 100%, 97%)',\n '--color-error-
border': 'hsl(0, 100%, 92%)',\n '--color-error-text': '#ff0000',\n '--color-expand-collapse-toggle': '#777d88',\n '--
color-link': '#0000ff',\n '--color-modal-background': 'rgba(255, 255, 255, 0.75)',\n '--color-bridge-version-npm-
background': '#eff0f1',\n '--color-bridge-version-npm-text': '#000000',\n '--color-bridge-version-number':
'#0088fa',\n '--color-primitive-hook-badge-background': '#e5e5e5',\n '--color-primitive-hook-badge-text':
'#5f6673',\n '--color-record-active': '#fc3a4b',\n '--color-record-hover': '#3578e5',\n '--color-record-inactive':
'#0088fa',\n '--color-resize-bar': '#eeeeee',\n
'--color-resize-bar-active': '#dcdcdc',\n '--color-resize-bar-border': '#d1d1d1',\n '--color-resize-bar-dot':
'#333333',\n '--color-timeline-internal-module': '#d1d1d1',\n '--color-timeline-internal-module-hover':
'#c9c9c9',\n '--color-timeline-internal-module-text': '#444',\n '--color-timeline-native-event': '#ccc',\n '--color-
timeline-native-event-hover': '#aaa',\n '--color-timeline-network-primary': '#fcf3dc',\n '--color-timeline-network-
primary-hover': '#f0e7d1',\n '--color-timeline-network-secondary': '#efc457',\n '--color-timeline-network-
secondary-hover': '#e3ba52',\n '--color-timeline-priority-background': '#f6f6f6',\n '--color-timeline-priority-
border': '#eeeeee',\n '--color-timeline-user-timing': '#c9c9c9',\n '--color-timeline-user-timing-hover': '#93959a',\n
'--color-timeline-react-idle': '#d3e5f6',\n '--color-timeline-react-idle-hover': '#c3d9ef',\n '--color-timeline-react-
render': '#9fc3f3',\n '--color-timeline-react-render-hover':

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'#83afe9',\n '--color-timeline-react-render-text': '#11365e',\n '--color-timeline-react-commit': '#c88ff0',\n '--color-timeline-react-commit-hover': '#b281d6',\n '--color-timeline-react-commit-text': '#3e2c4a',\n '--color-timeline-react-layout-effects': '#b281d6',\n '--color-timeline-react-layout-effects-hover': '#9d71bd',\n '--color-timeline-react-layout-effects-text': '#3e2c4a',\n '--color-timeline-react-passive-effects': '#b281d6',\n '--color-timeline-react-passive-effects-hover': '#9d71bd',\n '--color-timeline-react-passive-effects-text': '#3e2c4a',\n '--color-timeline-react-schedule': '#9fc3f3',\n '--color-timeline-react-schedule-hover': '#2683E2',\n '--color-timeline-react-suspense-rejected': '#f1cc14',\n '--color-timeline-react-suspense-rejected-hover': '#ffdf37',\n '--color-timeline-react-suspense-resolved': '#a6e59f',\n '--color-timeline-react-suspense-resolved-hover': '#89d281',\n '--color-timeline-react-suspense-unresolved': '#c9cacd',\n '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n '--color-timeline-thrown-error': '#ee1638',\n '--color-timeline-thrown-error-hover': '#da1030',\n '--color-timeline-text-color': '#000000',\n '--color-timeline-text-dim-color': '#ccc',\n '--color-timeline-react-work-border': '#eeeeee',\n '--color-search-match': 'yellow',\n '--color-search-match-current': '#f7923b',\n '--color-selected-tree-highlight-active': 'rgba(0, 136, 250, 0.1)',\n '--color-selected-tree-highlight-inactive': 'rgba(0, 0, 0, 0.05)',\n '--color-scroll-caret': 'rgba(150, 150, 150, 0.5)',\n '--color-tab-selected-border': '#0088fa',\n '--color-text': '#000000',\n '--color-text-invalid': '#ff0000',\n '--color-text-selected': '#ffffff',\n '--color-toggle-background-invalid': '#fc3a4b',\n '--color-toggle-background-on': '#0088fa',\n '--color-toggle-background-off': '#cfd1d5',\n '--color-toggle-text': '#ffffff',\n '--color-warning-background': '#fb3655',\n '--color-warning-background-hover': '#f82042',\n '--color-warning-text-color': '#ffffff',\n '--color-warning-text-color-inverted': '#fd4d69',\n\n // The styles below should be kept in sync with 'root.css'\n // They are repeated there because they're used by e.g. tooltips or context menus\n // which get rendered outside of the DOM subtree (where normal theme/styles are written).\n '--color-scroll-thumb': '#c2c2c2',\n '--color-scroll-track': '#fafafa',\n '--color-tooltip-background': 'rgba(0, 0, 0, 0.9)',\n '--color-tooltip-text': '#ffffff',\n },\n dark: {\n '--color-attribute-name': '#9d87d2',\n '--color-attribute-name-not-editable': '#ededed',\n '--color-attribute-name-inverted': '#282828',\n '--color-attribute-value': '#cedae0',\n '--color-attribute-value-inverted': '#ffffff',\n '--color-attribute-editable-value': 'yellow',\n '--color-background': '#282c34',\n '--color-background-hover': 'rgba(255, 255, 255, 0.1)',\n '--color-background-inactive': '#3d424a',\n '--color-background-invalid': '#5c0000',\n '--color-background-selected': '#178fb9',\n '--color-button-background': '#282c34',\n '--color-button-background-focus': '#3d424a',\n '--color-button': '#afb3b9',\n '--color-button-active': '#61dafb',\n '--color-button-disabled': '#4f5766',\n '--color-button-focus': '#a2e9fc',\n '--color-button-hover': '#ededed',\n '--color-border': '#3d424a',\n '--color-commit-did-not-render-fill': '#777d88',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-pattern': '#666c77',\n '--color-commit-did-not-render-pattern-text': '#ffffff',\n '--color-commit-gradient-0': '#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5': '#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-gradient-9': '#febc38',\n '--color-commit-gradient-text': '#000000',\n '--color-component-name': '#61dafb',\n '--color-component-name-inverted': '#282828',\n '--color-component-badge-background': 'rgba(255, 255, 255, 0.25)',\n '--color-component-badge-background-inverted': 'rgba(0, 0, 0, 0.25)',\n '--color-component-badge-count': '#8f949d',\n '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#000000',\n '--color-console-error-background': '#290000',\n '--color-console-error-border': '#5c0000',\n '--color-console-error-icon': '#eb3941',\n '--color-console-error-text': '#fc7f7f',\n '--color-console-warning-badge-text': '#000000',\n '--color-console-warning-background': '#332b00',\n '--color-console-warning-border': '#665500',\n '--color-console-warning-icon': '#f4bd00',\n '--color-console-warning-text': '#f5f2ed',\n '--color-context-background': 'rgba(255,255,255,.95)',\n '--color-context-background-hover': 'rgba(0, 136, 250, 0.1)',\n '--color-context-background-selected': '#0088fa',\n '--color-context-border': '#eeeeee',\n '--color-context-text': '#000000',\n '--color-context-text-selected': '#ffffff',\n '--color-dim': '#8f949d',\n '--color-dimmer': '#777d88',\n\n

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'--color-dimmest': '#4f5766',\n '--color-error-background': '#200',\n '--color-error-border': '#900',\n '--color-error-text': '#f55',\n '--color-expand-collapse-toggle': '#8f949d',\n '--color-link': '#61dafb',\n '--color-modal-background': 'rgba(0, 0, 0, 0.75)',\n '--color-bridge-version-npm-background': 'rgba(0, 0, 0, 0.25)',\n '--color-bridge-version-npm-text': '#ffffff',\n '--color-bridge-version-number': 'yellow',\n '--color-primitive-hook-badge-background': 'rgba(0, 0, 0, 0.25)',\n '--color-primitive-hook-badge-text': 'rgba(255, 255, 255, 0.7)',\n '--color-record-active': '#fc3a4b',\n '--color-record-hover': '#a2e9fc',\n '--color-record-inactive': '#61dafb',\n '--color-resize-bar': '#282c34',\n '--color-resize-bar-active': '#31363f',\n '--color-resize-bar-border': '#3d424a',\n '--color-resize-bar-dot': '#cfd1d5',\n '--color-timeline-internal-module': '#303542',\n '--color-timeline-internal-module-hover': '#363b4a',\n '--color-timeline-internal-module-text': '#7f8899',\n '--color-timeline-native-event': '#b2b2b2',\n '--color-timeline-native-event-hover': '#949494',\n '--color-timeline-network-primary': '#fcf3dc',\n '--color-timeline-network-primary-hover': '#e3dbc5',\n '--color-timeline-network-secondary': '#efc457',\n '--color-timeline-network-secondary-hover': '#d6af4d',\n '--color-timeline-priority-background': '#1d2129',\n '--color-timeline-priority-border': '#282c34',\n '--color-timeline-user-timing':\n '#c9cacd',\n '--color-timeline-user-timing-hover': '#93959a',\n '--color-timeline-react-idle': '#3d485b',\n '--color-timeline-react-idle-hover': '#465269',\n '--color-timeline-react-render': '#2683E2',\n '--color-timeline-react-render-hover': '#1a76d4',\n '--color-timeline-react-render-text': '#11365e',\n '--color-timeline-react-commit':\n '#731fad',\n '--color-timeline-react-commit-hover': '#611b94',\n '--color-timeline-react-commit-text': '#e5c1ff',\n '--color-timeline-react-layout-effects': '#611b94',\n '--color-timeline-react-layout-effects-hover': '#51167a',\n '--color-timeline-react-layout-effects-text': '#e5c1ff',\n '--color-timeline-react-passive-effects': '#611b94',\n '--color-timeline-react-passive-effects-hover': '#51167a',\n '--color-timeline-react-passive-effects-text': '#e5c1ff',\n '--color-timeline-react-schedule': '#2683E2',\n '--color-timeline-react-schedule-hover': '#1a76d4',\n '--color-timeline-react-suspense-rejected':\n '#f1cc14',\n '--color-timeline-react-suspense-rejected-hover': '#e4c00f',\n '--color-timeline-react-suspense-resolved': '#a6e59f',\n '--color-timeline-react-suspense-resolved-hover': '#89d281',\n '--color-timeline-react-suspense-unresolved': '#c9cacd',\n '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n '--color-timeline-thrown-error': '#fb3655',\n '--color-timeline-thrown-error-hover': '#f82042',\n '--color-timeline-text-color': '#282c34',\n '--color-timeline-text-dim-color': '#555b66',\n '--color-timeline-react-work-border':\n '#3d424a',\n '--color-search-match': 'yellow',\n '--color-search-match-current': '#f7923b',\n '--color-selected-tree-highlight-active': 'rgba(23, 143, 185, 0.15)',\n '--color-selected-tree-highlight-inactive': 'rgba(255, 255, 255, 0.05)',\n '--color-scroll-caret': '#4f5766',\n '--color-shadow': 'rgba(0, 0, 0, 0.5)',\n '--color-tab-selected-border':\n '#178fb9',\n '--color-text': '#ffffff',\n '--color-text-invalid': '#ff8080',\n '--color-text-selected': '#ffffff',\n '--color-toggle-background-invalid':\n '#fc3a4b',\n '--color-toggle-background-on': '#178fb9',\n '--color-toggle-background-off': '#777d88',\n '--color-toggle-text': '#ffffff',\n '--color-warning-background': '#ee1638',\n '--color-warning-background-hover':\n '#da1030',\n '--color-warning-text-color': '#ffffff',\n '--color-warning-text-color-inverted': '#ee1638',\n\n // The styles below should be kept in sync with 'root.css'\n // They are repeated there because they're used by e.g. tooltips or context menus\n // which get rendered outside of the DOM subtree (where normal theme/styles are written).\n '--color-scroll-thumb': '#afb3b9',\n '--color-scroll-track': '#313640',\n '--color-tooltip-background': 'rgba(255, 255, 255, 0.95)',\n '--color-tooltip-text': '#000000',\n },\n compact: {\n '--font-size-monospace-small': '9px',\n '--font-size-monospace-normal':\n '11px',\n '--font-size-monospace-large': '15px',\n '--font-size-sans-small': '10px',\n '--font-size-sans-normal': '12px',\n '--font-size-sans-large': '14px',\n '--line-height-data': '18px',\n },\n comfortable: {\n '--font-size-monospace-small': '10px',\n '--font-size-monospace-normal': '13px',\n '--font-size-monospace-large': '17px',\n '--font-size-sans-small': '12px',\n '--font-size-sans-normal': '14px',\n '--font-size-sans-large': '16px',\n '--line-height-data': '22px',\n },\n },\n\n // HACK\n // Sometimes the inline target is rendered before root styles are applied,\n // which would result in e.g. NaN itemSize being passed to react-window list.\n\n const COMFORTABLE_LINE_HEIGHT = parseInt(\n THEME_STYLES.comfortable['--line-height-data'],\n
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10,\n);\nconst COMPACT_LINE_HEIGHT = parseInt(\n THEME_STYLES.compact['--line-height-data'],\n
10,\n);\n\n\nexport {COMFORTABLE_LINE_HEIGHT, COMPACT_LINE_HEIGHT};\n\n", "/*\n * Copyright (c)
Facebook, Inc. and
its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n\nexport type Wall = {\n // `listen` returns the `\"unlisten\"`
function.\n listen: (fn: Function) => Function,\n send: (event: string, payload: any, transferable?: Array<any>) =>
void,\n};\n\n// WARNING\n// The values below are referenced by ComponentFilters (which are saved via
localStorage).\n// Do not change them or it will break previously saved user customizations.\n// If new element types
are added, use new numbers rather than re-ordering existing ones.\n\n// Changing these types is also a backwards
breaking change for the standalone shell,\n// since the frontend and backend must share the same values-\n// and the
backend is embedded in certain environments (like React Native).\n\nexport const ElementTypeClass = 1;\nexport
const ElementTypeContext = 2;\nexport const ElementTypeFunction = 5;\nexport const ElementTypeForwardRef
= 6;\nexport const ElementTypeHostComponent = 7;\nexport const ElementTypeMemo = 8;\nexport const
ElementTypeOtherOrUnknown = 9;\nexport const ElementTypeProfiler = 10;\nexport const ElementTypeRoot =
11;\nexport const ElementTypeSuspense = 12;\nexport const ElementTypeSuspenseList = 13;\nexport const
ElementTypeTracingMarker = 14;\n\n// Different types of elements displayed in the Elements tree.\n// These types
may be used to visually distinguish types,\n// or to enable/disable certain functionality.\n\nexport type ElementType =
1 | 2 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14;\n\n// WARNING\n// The values below are referenced by
ComponentFilters (which are saved via localStorage).\n// Do not change them or it will break previously saved user
customizations.\n// If new filter types are added, use new numbers rather than re-ordering existing ones.\n\nexport
const ComponentFilterElementType = 1;\nexport const ComponentFilterDisplayName = 2;\nexport const
ComponentFilterLocation
= 3;\nexport const ComponentFilterHOC = 4;\n\nexport type ComponentFilterType = 1 | 2 | 3 | 4;\n\n// Hide all
elements of types in this Set.\n// We hide host components only by default.\n\nexport type
ElementTypeComponentFilter = {\n isEnabled: boolean,\n type: 1,\n value: ElementType,\n};\n\n// Hide all
elements with displayNames or paths matching one or more of the RegExps in this Set.\n// Path filters are only used
when elements include debug source location.\n\nexport type RegExpComponentFilter = {\n isEnabled: boolean,\n
isValid: boolean,\n type: 2 | 3,\n value: string,\n};\n\nexport type BooleanComponentFilter = {\n isEnabled:
boolean,\n isValid: boolean,\n type: 4,\n};\n\nexport type ComponentFilter =\n | BooleanComponentFilter\n |
ElementTypeComponentFilter\n | RegExpComponentFilter;\n\nexport type HookName = string | null;\n\n// Map of
hook source (\"<filename>:<line-number>:<column-number>\") to name.\n// Hook source is used instead of the
hook itself because
the latter is not stable between element inspections.\n// We use a Map rather than an Array because of nested hooks
and traversal ordering.\n\nexport type HookSourceLocationKey = string;\nexport type HookNames =
Map<HookSourceLocationKey, HookName>;\n\nexport type LRUCache<K, V> = {\n get: (key: K) => V,\n has:
(key: K) => boolean,\n remove: (key: K) => void,\n reset: () => void,\n set: (key: K, value: V) =>
void,\n};\n\nexport type StyleXPlugin = {\n sources: Array<string>,\n resolvedStyles: Object,\n};\n\nexport type
Plugins = {\n stylex: StyleXPlugin | null,\n};\n\nexport const StrictMode = 1;\n\n", "/*\n * Copyright (c) Facebook,
Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in
the root directory of this source tree.\n * @flow\n */\n\nimport LRU from 'lru-cache';\nimport {\n isElement,\n
typeof,\n ContextConsumer,\n ContextProvider,\n ForwardRef,\n Fragment,\n Lazy,\n Memo,\n Portal,\n
Profiler,\n StrictMode,\n Suspense,\n} from 'react-is';\nimport {\n REACT_SUSPENSE_LIST_TYPE as
SuspenseList,\n REACT_TRACING_MARKER_TYPE as TracingMarker,\n} from
'shared/ReactSymbols';\nimport {\n TREE_OPERATION_ADD,\n TREE_OPERATION_REMOVE,\n TREE_OPERATION_REMOVE_ROOT,\n
TREE_OPERATION_REORDER_CHILDREN,\n TREE_OPERATION_SET_SUBTREE_MODE,\n TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS,\n
TREE_OPERATION_UPDATE_TREE_BASE_DURATION,\n} from './constants';\nimport {ElementTypeRoot}

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from 'react-devtools-shared/src/types';\nimport {\n LOCAL_STORAGE_FILTER_PREFERENCES_KEY,\n LOCAL_STORAGE_OPEN_IN_EDITOR_URL,\n LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS,\n LOCAL_STORAGE_SHOULD_PATCH_CONSOLE_KEY,\n LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n} from './constants';\nimport {\n ComponentFilterElementType, ElementTypeHostComponent\n} from './types';\nimport {\n ElementTypeClass,\n ElementTypeForwardRef,\n ElementTypeFunction,\n ElementTypeMemo,\n} from 'react-devtools-shared/src/types';\nimport {\n localStorageGetItem,\n localStorageSetItem\n} from './storage';\nimport {\n meta\n} from './hydration';\nimport {\n isArray\n} from './isArray';\nimport {\n type {\n ComponentFilter,\n ElementType\n }\n} from './types';\nimport {\n type {\n LRU\n }\n} from 'react-devtools-shared/src/types';\n\nconst cachedDisplayNames: WeakMap<Function, string> = new WeakMap();\n\n// On large trees, encoding takes significant time.\n// Try to reuse the already encoded strings.\nconst encodedStringCache: LRU<string, Array<number>> = new LRU({\n max: 1000,\n});\n\nexport function alphaSortKeys(\n a: string | number | Symbol,\n b: string | number | Symbol,\n): number {\n if (a.toString() > b.toString()) {\n return 1;\n } else if (b.toString() > a.toString()) {\n return -1;\n } else {\n return 0;\n }\n}\n\nexport function getAllEnumerableKeys(\n obj: Object,\n): Set<string | number | Symbol> {\n const keys = new Set();\n let current = obj;\n while (current != null) {\n const currentKeys = [\n ...Object.keys(current),\n ...Object.getOwnPropertySymbols(current),\n];\n const descriptors = Object.getOwnPropertyDescriptors(current);\n currentKeys.forEach(key => {\n // $FlowFixMe: key can be a Symbol\n https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object/getOwnPropertyDescriptor\n if (descriptors[key].enumerable) {\n keys.add(key);\n }\n });\n current = Object.getPrototypeOf(current);\n }\n return keys;\n}\n\nexport function getDisplayName(\n type: Function,\n fallbackName: string = 'Anonymous',\n): string {\n const nameFromCache = cachedDisplayNames.get(type);\n if (nameFromCache != null) {\n return nameFromCache;\n }\n\n let displayName = fallbackName;\n\n // The displayName property is not guaranteed to be a string.\n // It's only safe to use for our purposes if it's a string.\n //\n // github.com/facebook/react-devtools/issues/803\n if (typeof type === 'string') {\n displayName = type;\n } else if (typeof type.name === 'string' && type.name !== '') {\n displayName = type.name;\n }\n\n cachedDisplayNames.set(type, displayName);\n return displayName;\n}\n\nlet uidCounter: number = 0;\n\nexport function getUID(): number {\n return ++uidCounter;\n}\n\nexport function utfDecodeString(array: Array<number>): string {\n // Avoid spreading the array (e.g. String.fromCodePoint(...array))\n // Functions arguments are first placed on the stack before the function is called\n // which throws a RangeError for large arrays.\n // See github.com/facebook/react/issues/22293\n let string = '';\n for (let i = 0; i < array.length; i++) {\n const char = array[i];\n string += String.fromCodePoint(char);\n }\n return string;\n}\n\nfunction surrogatePairToCodePoint(\n charCode1: number,\n charCode2: number,\n): number {\n return ((charCode1 & 0x3ff) << 10) + (charCode2 & 0x3ff) + 0x10000;\n}\n\n//\n\nCredit for this encoding approach goes to Tim Down:\n// https://stackoverflow.com/questions/4877326/how-can-i-tell-if-a-string-contains-multibyte-characters-in-javascript\n\nexport function utfEncodeString(string: string): Array<number> {\n const cached = encodedStringCache.get(string);\n if (cached !== undefined) {\n return cached;\n }\n\n const encoded = [];\n let i = 0;\n let charCode;\n while (i < string.length) {\n charCode = string.charCodeAt(i);\n // Handle multibyte unicode characters (like emoji).\n if ((charCode & 0xf800) === 0xd800) {\n encoded.push(surrogatePairToCodePoint(charCode, string.charCodeAt(++i)));\n } else {\n encoded.push(charCode);\n }\n ++i;\n }\n\n encodedStringCache.set(string, encoded);\n return encoded;\n}\n\nexport function printOperationsArray(operations: Array<number>) {\n // The first two values are always rendererID and rootID\n const rendererID = operations[0];\n const rootID = operations[1];\n const

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logs = [\`operations for renderer:${rendererID} and root:${rootID}\`];\n\n let i = 2;\n\n // Reassemble the string
table.\n const stringTable = [\n null, // ID = 0 corresponds to the null string.\n];\n const stringTableSize =
operations[i++];\n const stringTableEnd = i + stringTableSize;\n while (i < stringTableEnd) {\n const nextLength
= operations[i++];\n const nextString = utfDecodeString(\n (operations.slice(i, i + nextLength): any),\n);\n
stringTable.push(nextString);\n i += nextLength;\n }\n\n while (i < operations.length) {\n const operation =
operations[i];\n\n switch (operation) {\n case TREE_OPERATION_ADD: {\n const id = ((operations[i +
1]: any): number);\n const type = ((operations[i + 2]: any): ElementType);\n\n i += 3;\n\n if (type ===
ElementTypeRoot) {\n logs.push(`Add new root node ${id}`);\n\n i++; // isStrictModeCompliant\n
i++; // supportsProfiling\n\n i++; // hasOwnerMetadata\n } else {\n const parentID = ((operations[i]: any):
number);\n\n i++;;\n\n i++; // ownerID\n\n const displayNameStringID = operations[i];\n const
displayName = stringTable[displayNameStringID];\n\n i++;;\n\n i++; // key\n\n logs.push(\n
`Add node ${id} (${displayName || 'null'}) as child of ${parentID}`, \n);\n\n break;\n } } case
TREE_OPERATION_REMOVE: {\n const removeLength = ((operations[i + 1]: any): number);\n\n i +=
2;\n\n for (let removeIndex = 0; removeIndex < removeLength; removeIndex++) {\n const id =
((operations[i]: any): number);\n\n i += 1;\n\n logs.push(`Remove node ${id}`);\n\n } } break;\n } } case
TREE_OPERATION_REMOVE_ROOT: {\n i += 1;\n\n logs.push(`Remove root
${rootID}`);\n\n break;\n } } case TREE_OPERATION_SET_SUBTREE_MODE:
{\n const id = operations[i + 1];\n const mode = operations[i + 1];\n\n i += 3;\n\n logs.push(`Mode
${mode} set for subtree with root ${id}`);\n\n break;\n } } case
TREE_OPERATION_REORDER_CHILDREN: {\n const id = ((operations[i + 1]: any): number);\n const
numChildren = ((operations[i + 2]: any): number);\n\n i += 3;\n const children = operations.slice(i, i +
numChildren);\n\n i += numChildren;\n\n logs.push(`Re-order node ${id} children ${children.join(',')}`);\n
break;\n } } case TREE_OPERATION_UPDATE_TREE_BASE_DURATION: {\n // Base duration
updates are only sent while profiling is in progress.\n // We can ignore them at this point.\n // The profiler
UI uses them lazily in order to generate the tree.\n\n i += 3;\n\n break;\n } } case
TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS: {\n const id = operations[i + 1];\n const
numErrors = operations[i + 2];\n const numWarnings = operations[i + 3];\n\n i += 4;\n\n logs.push(\n
`Node ${id} has ${numErrors} errors and ${numWarnings} warnings`, \n);\n\n break;\n\n default: {\n
throw Error(`Unsupported Bridge operation \`${operation}\``);\n } } }\n\n console.log(logs.join("\n
")); }\n\n\nexport function getDefaultComponentFilters(): Array<ComponentFilter> {\n return [\n {\n type:
ComponentFilterElementType,\n value: ElementTypeHostComponent,\n isEnabled: true,\n },\n
]; }\n\n\nexport function getSavedComponentFilters(): Array<ComponentFilter> {\n try {\n const raw =
localStorage.getItem(LOCAL_STORAGE_FILTER_PREFERENCES_KEY);\n if (raw != null) {\n return
JSON.parse(raw);\n } } } catch (error) {} }\n\n return getDefaultComponentFilters(); }\n\n\nexport function
saveComponentFilters(\n componentFilters: Array<ComponentFilter>,\n): void {\n localStorage.setItem(\n
LOCAL_STORAGE_FILTER_PREFERENCES_KEY,\n
JSON.stringify(componentFilters),\n); }\n\n\nexport function getAppendComponentStack(): boolean {\n try {\n
const raw = localStorage.getItem(LOCAL_STORAGE_SHOULD_PATCH_CONSOLE_KEY);\n if (raw != null) {\n
return JSON.parse(raw);\n } } } catch (error) {} }\n\n return true; }\n\n\nexport function
setAppendComponentStack(value: boolean): void {\n localStorage.setItem(\n
LOCAL_STORAGE_SHOULD_PATCH_CONSOLE_KEY,\n JSON.stringify(value),\n); }\n\n\nexport function
getBreakOnConsoleErrors(): boolean {\n try {\n const raw = localStorage.getItem(\n
LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS,\n);\n if (raw != null) {\n return
JSON.parse(raw);\n } } } catch (error) {} }\n\n return false; }\n\n\nexport function setBreakOnConsoleErrors(value:
boolean): void {\n localStorage.setItem(\n
LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS,\n JSON.stringify(value),\n); }\n\n\nexport
function getHideConsoleLogsInStrictMode(): boolean

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{\n try {\n const raw = localStorage.getItem(\n
LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n);\n if (raw !== null) {\n return
JSON.parse(raw);\n }\n } catch (error) {} }\n return false;\n}\n\nexport function
setHideConsoleLogsInStrictMode(value: boolean): void {\n localStorage.setItem(\n
LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n JSON.stringify(value),\n
);\n}\n\nexport function getShowInlineWarningsAndErrors(): boolean {\n try {\n const raw =
localStorage.getItem(\n LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n);\n if (raw !== null) {\n return JSON.parse(raw);\n }\n } catch (error) {} }\n return true;\n}\n\nexport function
setShowInlineWarningsAndErrors(value: boolean): void {\n localStorage.setItem(\n
LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n JSON.stringify(value),\n
);\n}\n\nexport function getDefaultOpenInEditorURL(): string {\n return typeof process.env.EDITOR_URL ===
'string'\n ? process.env.EDITOR_URL\n
: '';\n}\n\nexport function getOpenInEditorURL(): string {\n try {\n const raw =
localStorage.getItem(LOCAL_STORAGE_OPEN_IN_EDITOR_URL);\n if (raw !== null) {\n return
JSON.parse(raw);\n }\n } catch (error) {} }\n return getDefaultOpenInEditorURL();\n}\n\nexport function
separateDisplayNameAndHOCs(\n displayName: string | null,\n type: ElementType,\n): [string | null,
Array<string> | null] {\n if (displayName === null) {\n return [null, null];\n }\n\n let hocDisplayNames =
null;\n\n switch (type) {\n case ElementTypeClass:\n case ElementTypeForwardRef:\n case
ElementTypeFunction:\n case ElementTypeMemo:\n if (displayName.indexOf('(') >= 0) {\n const matches
= displayName.match(/([^\s)]+\/g);\n if (matches !== null) {\n displayName = matches.pop();\n
hocDisplayNames = matches;\n }\n break;\n }\n default:\n break;\n }\n\n if (type ===
ElementTypeMemo) {\n if (hocDisplayNames
=== null) {\n hocDisplayNames = ['Memo'];\n } else {\n hocDisplayNames.unshift('Memo');\n }\n } else
if (type === ElementTypeForwardRef) {\n if (hocDisplayNames === null) {\n hocDisplayNames =
['ForwardRef'];\n } else {\n hocDisplayNames.unshift('ForwardRef');\n }\n }\n\n return [displayName,
hocDisplayNames];\n}\n\n// Pulled from react-compat\n// https://github.com/developit/preact-
compat/blob/7c5de00e7c85e2ffd011bf3af02899b63f699d3a/src/index.js#L349\nexport function
shallowDiffers(prev: Object, next: Object): boolean {\n for (const attribute in prev) {\n if (!(attribute in next)) {\n
return true;\n }\n }\n for (const attribute in next) {\n if (prev[attribute] !== next[attribute]) {\n
return true;\n }\n }\n return false;\n}\n\nexport function getInObject(object: Object, path: Array<string | number>): any
{\n return path.reduce((reduced: Object, attr: any): any => {\n if (reduced) {\n if
(hasOwnProperty.call(reduced,
attr)) {\n return reduced[attr];\n }\n if (typeof reduced[Symbol.iterator] === 'function') {\n // Convert
iterable to array and return array[index]\n //\n // TRICKY\n // Don't use [...spread] syntax for this
purpose.\n // This project uses @babel/plugin-transform-spread in "loose" mode which only works with Array
values.\n // Other types (e.g. typed arrays, Sets) will not spread correctly.\n return
Array.from(reduced)[attr];\n }\n }\n return null;\n }, object);\n}\n\nexport function deletePathInObject(\n
object: Object,\n path: Array<string | number>,\n) {\n const length = path.length;\n const last = path[length - 1];\n
if (object !== null) {\n const parent = getInObject(object, path.slice(0, length - 1));\n if (parent) {\n if
(isArray(parent)) {\n parent.splice(((last: any): number), 1);\n } else {\n delete parent[last];\n }\n
}\n }\n}\n\nexport function
renamePathInObject(\n object: Object,\n oldPath: Array<string | number>,\n newPath: Array<string | number>,\n) {\n
const length = oldPath.length;\n if (object !== null) {\n const parent = getInObject(object, oldPath.slice(0,
length - 1));\n if (parent) {\n const lastOld = oldPath[length - 1];\n const lastNew = newPath[length - 1];\n
parent[lastNew] = parent[lastOld];\n if (isArray(parent)) {\n parent.splice(((lastOld: any): number), 1);\n
 } else {\n delete parent[lastOld];\n }\n }\n }\n}\n\nexport function setInObject(\n object: Object,\n
path: Array<string | number>,\n value: any,\n) {\n const length = path.length;\n const last = path[length - 1];\n
if (object
!== null) {\n const parent = getInObject(object, path.slice(0, length - 1));\n if (parent) {\n parent[last] =

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value;\n }\n }\n\nexport type DataType =\n | 'array'\n | 'array_buffer'\n | 'bigint'\n | 'boolean'\n | 'data_view'\n | 'date'\n | 'function'\n | 'html_all_collection'\n | 'html_element'\n | 'infinity'\n | 'iterator'\n | 'opaque_iterator'\n | 'nan'\n | 'null'\n | 'number'\n | 'object'\n | 'react_element'\n | 'regexp'\n | 'string'\n | 'symbol'\n | 'typed_array'\n | 'undefined'\n | 'unknown';\n\n/**\n * Get a enhanced/artificial type string based on the object instance\n */\nexport function getDataType(data: Object): DataType {\n if (data === null) {\n return 'null';\n } else if (data === undefined) {\n return 'undefined';\n }\n\n if (isElement(data)) {\n return 'react_element';\n }\n\n if (typeof HTMLElement !== 'undefined' && data instanceof HTMLElement) {\n return 'html_element';\n }\n\n const type = typeof data;\n switch (type) {\n case 'bigint':\n return 'bigint';\n case 'boolean':\n return 'boolean';\n case 'function':\n return 'function';\n case 'number':\n if (Number.isNaN(data)) {\n return 'nan';\n } else if (!Number.isFinite(data)) {\n return 'infinity';\n } else {\n return 'number';\n }\n case 'object':\n if (isArray(data)) {\n return 'array';\n } else if (ArrayBuffer.isView(data)) {\n return hasOwnProperty.call(data.constructor, 'BYTES_PER_ELEMENT')\n ? 'typed_array'\n : 'data_view';\n } else if (data.constructor && data.constructor.name === 'ArrayBuffer') {\n // HACK This ArrayBuffer check is gross; is there a better way?\n // We could try to create a new DataView with the value.\n // If it doesn't error, we know it's an\n ArrayBuffer,\n // but this seems kind of awkward and expensive.\n return 'array_buffer';\n } else if (typeof data[Symbol.iterator] === 'function') {\n const iterator = data[Symbol.iterator]();\n if (!iterator) {\n // Proxies might break assumptoins about iterators.\n // See github.com/facebook/react/issues/21654\n } else {\n return\n iterator === data ? 'opaque_iterator' : 'iterator';\n }\n } else if (data.constructor && data.constructor.name === 'RegExp') {\n return 'regexp';\n } else {\n const toStringValue =\n Object.prototype.toString.call(data);\n if (toStringValue === '[object Date]') {\n return 'date';\n } else if (toStringValue === '[object HTMLAllCollection]') {\n return 'html_all_collection';\n }\n }\n return 'object';\n case 'string':\n return 'string';\n case 'symbol':\n return 'symbol';\n case 'undefined':\n if (\n Object.prototype.toString.call(data) === '[object HTMLAllCollection]'\n) {\n return 'html_all_collection';\n }\n return 'undefined';\n default:\n return 'unknown';\n }\n}\n\nexport function\ngetDisplayNameForReactElement(\n element: React$Element<any>,\n): string | null {\n const elementType =\n typeof(element);\n switch (elementType) {\n case\n ContextConsumer:\n return 'ContextConsumer';\n case ContextProvider:\n return 'ContextProvider';\n case ForwardRef:\n return 'ForwardRef';\n case Fragment:\n return 'Fragment';\n case Lazy:\n return 'Lazy';\n case Memo:\n return 'Memo';\n case Portal:\n return 'Portal';\n case Profiler:\n return 'Profiler';\n case StrictMode:\n return 'StrictMode';\n case Suspense:\n return 'Suspense';\n case\n SuspenseList:\n return 'SuspenseList';\n case TracingMarker:\n return 'TracingMarker';\n default:\n const {type} = element;\n if (typeof type === 'string') {\n return type;\n } else if (typeof type ===\n 'function') {\n return getDisplayName(type, 'Anonymous');\n } else if (type !== null) {\n return\n 'NotImplementedInDevtools';\n } else {\n return 'Element';\n }\n }\n}\n\nconst\nMAX_PREVIEW_STRING_LENGTH = 50;\n\nfunction truncateForDisplay(\n string:\n string,\n length: number = MAX_PREVIEW_STRING_LENGTH,\n) {\n if (string.length > length) {\n return\n string.substr(0, length) + '...';\n } else {\n return string;\n }\n}\n\n// Attempts to mimic Chrome's inline preview\n// for values.\n// For example, the following value...\n// {\n// foo: 123,\n// bar: \"abc\", \n// baz: [true,\n// false],\n// qux: { ab: 1, cd: 2 }\n// }\n// Would show a preview of...\n// {\n// foo: 123, bar: \"abc\", baz:\n// Array(2), qux: { ... }\n// }\n// And the following value...\n// [\n// 123,\n// \"abc\", \n// [true, false],\n// {\n// foo: 123, bar: \"abc\" }\n//];\n// Would show a preview of...\n// [123, \"abc\", Array(2), { ...}]\n\nexport function\nformatDataForPreview(\n data: any,\n showFormattedValue: boolean,\n): string {\n if (data !== null &&\n hasOwnProperty.call(data, meta.type)) {\n return showFormattedValue\n ? data[meta.preview_long]\n :\n data[meta.preview_short];\n }\n\n const type = getDataType(data);\n}

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switch (type) {\n case 'html_element':\n return `<${truncateForDisplay(data.tagName.toLowerCase())} />`;\n case 'function':\n return truncateForDisplay(`f ${typeof data.name === 'function' ? '' : data.name}()`);\n case 'string':\n return `\"${data}\"`;\n case 'bigint':\n return truncateForDisplay(data.toString() + 'n');\n case 'regexp':\n return truncateForDisplay(data.toString());\n case 'symbol':\n return truncateForDisplay(data.toString());\n case 'react_element':\n return `<${truncateForDisplay(getDisplayNameForReactElement(data) || 'Unknown',\n    )} />`;\n case 'array_buffer':\n return `ArrayBuffer(${data.byteLength})`;\n case 'data_view':\n return `DataView(${data.buffer.byteLength})`;\n case 'array':\n if (showFormattedValue) {\n let formatted = \"\";\n for (let i = 0; i < data.length; i++) {\n if (i > 0) {\n formatted += ', ';\n }\n formatted += formatDataForPreview(data[i], false);\n if (formatted.length > MAX_PREVIEW_STRING_LENGTH) {\n // Prevent doing a lot of unnecessary iteration...\n break;\n }\n }\n return `[${truncateForDisplay(formatted)}]`; \n } else {\n const length = hasOwnProperty.call(data, 'size') ? data['size'] : data.length;\n return `Array(${length})`;\n }\n case 'typed_array':\n const shortName = `${data.constructor.name}(${data.length})`;\n if (showFormattedValue) {\n let formatted = \"\";\n for (let i = 0; i < data.length; i++) {\n if (i > 0) {\n formatted += ', ';\n }\n formatted += data[i];\n if (formatted.length > MAX_PREVIEW_STRING_LENGTH) {\n // Prevent doing a lot of unnecessary iteration...\n break;\n }\n }\n return `${shortName} [${truncateForDisplay(formatted)}]`; \n } else {\n return shortName;\n }\n case 'iterator':\n const name = data.constructor.name;\n if (showFormattedValue) {\n // TRICKY\n // Don't use [...spread] syntax for this purpose.\n // This project uses @babel/plugin-transform-spread in \"loose\" mode which only works with Array values.\n // Other types (e.g. typed arrays, Sets) will not spread correctly.\n const array = Array.from(data);\n let formatted = \"\";\n for (let i = 0; i < array.length; i++) {\n const entryOrEntries = array[i];\n if (i > 0) {\n formatted += ', ';\n }\n // TRICKY\n // Browsers display Maps and Sets differently.\n // To mimic their behavior, detect if we've been given an entries tuple.\n // Map(2) {\"abc\" => 123, \"def\" => 123}\n // Set(2) {\"abc\", 123}\n if (isArray(entryOrEntries)) {\n const key = formatDataForPreview(entryOrEntries[0], true);\n const value = formatDataForPreview(entryOrEntries[1], false);\n formatted += `${key} => ${value}`;\n } else {\n formatted += formatDataForPreview(entryOrEntries, false);\n }\n if (formatted.length > MAX_PREVIEW_STRING_LENGTH) {\n // Prevent doing a lot of unnecessary iteration...\n break;\n }\n }\n return `${name}(${data.size}) [${truncateForDisplay(formatted)}]`; \n } else {\n return `${name}(${data.size})`; \n }\n case 'opaque_iterator':\n return data[Symbol.toStringTag];\n case 'date':\n return data.toString();\n case 'object':\n if (showFormattedValue) {\n const keys = Array.from(getAllEnumerableKeys(data)).sort(alphaSortKeys);\n let formatted = \"\";\n for (let i = 0; i < keys.length; i++) {\n const key = keys[i];\n if (i > 0) {\n formatted += ', ';\n }\n formatted += `${key.toString(): } ${formatDataForPreview(data[key], false, )}`;\n if (formatted.length > MAX_PREVIEW_STRING_LENGTH) {\n // Prevent doing a lot of unnecessary iteration...\n break;\n }\n }\n return `_${truncateForDisplay(formatted)}_`; \n } else {\n return '{...}'; \n }\n case 'boolean':\n case 'number':\n case 'infinity':\n case 'nan':\n case 'null':\n case 'undefined':\n return data;\n default:\n try {\n return truncateForDisplay(String(data));\n } catch (error) {\n return 'unserializable';\n }\n }\n}\n\n/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nexport const

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CONCURRENT_MODE_NUMBER = 0xeacf;\nexport const CONCURRENT_MODE_SYMBOL_STRING =
'Symbol(react.concurrent_mode)';\n\nexport const CONTEXT_NUMBER = 0xeace;\nexport const
CONTEXT_SYMBOL_STRING = 'Symbol(react.context)';\n\nexport const
SERVER_CONTEXT_SYMBOL_STRING = 'Symbol(react.server_context)';\n\nexport const
DEPRECATED_ASYNC_MODE_SYMBOL_STRING = 'Symbol(react.async_mode)';\n\nexport const
ELEMENT_NUMBER = 0xeac7;\nexport const ELEMENT_SYMBOL_STRING =
'Symbol(react.element)';\n\nexport const DEBUG_TRACING_MODE_NUMBER = 0xae1;\nexport const
DEBUG_TRACING_MODE_SYMBOL_STRING
= \n 'Symbol(react.debug_trace_mode)';\n\nexport const FORWARD_REF_NUMBER = 0xead0;\nexport const
FORWARD_REF_SYMBOL_STRING = 'Symbol(react.forward_ref)';\n\nexport const FRAGMENT_NUMBER =
0xeacb;\nexport const FRAGMENT_SYMBOL_STRING = 'Symbol(react.fragment)';\n\nexport const
LAZY_NUMBER = 0xead4;\nexport const LAZY_SYMBOL_STRING = 'Symbol(react.lazy)';\n\nexport const
MEMO_NUMBER = 0xead3;\nexport const MEMO_SYMBOL_STRING = 'Symbol(react.memo)';\n\nexport const
PORTAL_NUMBER = 0xeaca;\nexport const PORTAL_SYMBOL_STRING = 'Symbol(react.portal)';\n\nexport
const PROFILER_NUMBER = 0xead2;\nexport const PROFILER_SYMBOL_STRING =
'Symbol(react.profiler)';\n\nexport const PROVIDER_NUMBER = 0xeacd;\nexport const
PROVIDER_SYMBOL_STRING = 'Symbol(react.provider)';\n\nexport const SCOPE_NUMBER =
0xead7;\nexport const SCOPE_SYMBOL_STRING = 'Symbol(react.scope)';\n\nexport const
STRICT_MODE_NUMBER = 0xeacc;\nexport const STRICT_MODE_SYMBOL_STRING =
'Symbol(react.strict_mode)';\n\nexport
const SUSPENSE_NUMBER = 0xead1;\nexport const SUSPENSE_SYMBOL_STRING =
'Symbol(react.suspense)';\n\nexport const SUSPENSE_LIST_NUMBER = 0xead8;\nexport const
SUSPENSE_LIST_SYMBOL_STRING = 'Symbol(react.suspense_list)';\n\nexport const
SERVER_CONTEXT_DEFAULT_VALUE_NOT_LOADED_SYMBOL_STRING = \n
'Symbol(react.server_context.defaultValue)';\n\n", "/*\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n * \n * @flow\n */\n\nimport {copy} from 'clipboard-js';\nimport {dehydrate} from '../hydration';\nimport
isArray from 'shared/isArray';\n\nimport type {DehydratedData} from 'react-devtools-
shared/src/devtools/views/Components/types';\n\nexport function cleanForBridge(\n data: Object | null,\n
isPathAllowed: (path: Array<string | number>) => boolean,\n path?: Array<string | number> = [],\n)
DehydratedData | null {\n if (data !== null) {\n const cleanedPaths
= [];\n const unserializablePaths = [];\n const cleanedData = dehydrate(\n data,\n cleanedPaths,\n
unserializablePaths,\n path,\n isPathAllowed,\n);\n\n return {\n data: cleanedData,\n cleaned:
cleanedPaths,\n unserializable: unserializablePaths,\n }; \n } else {\n return null;\n }\n}\n\nexport function
copyToClipboard(value: any): void {\n const safeToCopy = serializeToString(value);\n const text = safeToCopy
=== undefined ? 'undefined' : safeToCopy;\n const {clipboardCopyText} =
window.__REACT_DEVTOOLS_GLOBAL_HOOK__;\n\n // On Firefox navigator.clipboard.writeText has to be
called from\n // the content script js code (because it requires the clipboardWrite\n // permission to be allowed out
of a "user handling" callback),\n // clipboardCopyText is an helper injected into the page from.\n //
injectGlobalHook.\n if (typeof clipboardCopyText === 'function') {\n clipboardCopyText(text).catch(err =>
{});\n } else
{\n copy(text);\n }\n}\n\nexport function copyWithDelete(\n obj: Object | Array<any>,\n path: Array<string |
number>,\n index: number = 0,\n): Object | Array<any> {\n const key = path[index];\n const updated =
isArray(obj) ? obj.slice() : {...obj};\n if (index + 1 === path.length) {\n if (isArray(updated)) {\n
updated.splice(((key: any): number), 1);\n } else {\n delete updated[key];\n } \n } else {\n // $FlowFixMe
number or string is fine here\n updated[key] = copyWithDelete(obj[key], path, index + 1);\n }\n return
updated;\n}\n\n// This function expects paths to be the same except for the final value.\n// e.g. ['path', 'to', 'foo'] and
['path', 'to', 'bar']\nexport function copyWithRename(\n obj: Object | Array<any>,\n oldPath: Array<string |

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number>,\n newPath: Array<string | number>,\n index: number = 0,\n): Object | Array<any> {\n const oldKey =
oldPath[index];\n const updated = isArray(obj) ? obj.slice() : {...obj};\n if (index + 1 ===
oldPath.length) {\n const newKey = newPath[index];\n // $FlowFixMe number or string is fine here\n
updated[newKey] = updated[oldKey];\n if (isArray(updated)) {\n updated.splice(((oldKey: any): number), 1);\n
 } else {\n delete updated[oldKey];\n } } else {\n // $FlowFixMe number or string is fine here\n
updated[oldKey] = copyWithRename(obj[oldKey], oldPath, newPath, index + 1);\n }\n return
updated;\n}\n\nexport function copyWithSet(\n obj: Object | Array<any>,\n path: Array<string | number>,\n value:
any,\n index: number = 0,\n): Object | Array<any> {\n if (index >= path.length) {\n return value;\n }\n const key
= path[index];\n const updated = isArray(obj) ? obj.slice() : {...obj};\n // $FlowFixMe number or string is fine
here\n updated[key] = copyWithSet(obj[key], path, value, index + 1);\n return updated;\n}\n\nexport function
getEffectDurations(root: Object) {\n // Profiling durations are only available for certain builds.\n //
If available, they'll be stored on the HostRoot.\n let effectDuration = null;\n let passiveEffectDuration = null;\n
const hostRoot = root.current;\n if (hostRoot != null) {\n const stateNode = hostRoot.stateNode;\n if (stateNode
!= null) {\n effectDuration =\n stateNode.effectDuration != null ? stateNode.effectDuration : null;\n
 passiveEffectDuration =\n stateNode.passiveEffectDuration != null\n ? stateNode.passiveEffectDuration\n
 : null;\n }\n }\n return {effectDuration, passiveEffectDuration};\n}\n\nexport function
serializeToString(data: any): string {\n const cache = new Set();\n // Use a custom replacer function to protect
against circular references.\n return JSON.stringify(data, (key, value) => {\n if (typeof value === 'object' &&
value !== null) {\n if (cache.has(value)) {\n return;\n }\n cache.add(value);\n }\n // $FlowFixMe\n
if (typeof value === 'bigint') {\n return value.toString()
+ 'n';\n }\n return value;\n });\n}\n\n// based on https://github.com/tmpfs/format-
util/blob/0e62d430efb0a1c51448709abd3e2406c14d8401/format.js#L1\n// based on
https://developer.mozilla.org/en-US/docs/Web/API/console#Using_string_substitutions\n// Implements s, d, i and f
placeholders\n// NOTE: KEEP IN SYNC with src/hook.js\nexport function format(\n maybeMessage: any,\n
...inputArgs: $ReadOnlyArray<any>)\n): string {\n const args = inputArgs.slice();\n\n let formatted: string =
String(maybeMessage);\n\n // If the first argument is a string, check for substitutions.\n if (typeof maybeMessage
=== 'string') {\n if (args.length) {\n const REGEXP = /(.*?)%([jds])/g;\n formatted =
formatted.replace(REGEXP, (match, escaped, ptn, flag) => {\n let arg = args.shift();\n switch (flag) {\n
case 's':\n arg += ";\n break;\n case 'd':\n case 'i':\n arg = parseInt(arg,
10).toString();\n break;\n case 'f':\n arg = parseFloat(arg).toString();\n break;\n }\n if (!escaped) {\n
return arg;\n }\n args.unshift(arg);\n return match;\n });\n }\n // Arguments that remain
after formatting.\n if (args.length) {\n for (let i = 0; i < args.length; i++) {\n formatted += ' ' + String(args[i]);\n
 }\n }\n // Update escaped %% values.\n formatted = formatted.replace(/%{2,2}/g, '%');\n return
String(formatted);\n }\n\n export function isSynchronousXHRSupported(): boolean {\n return !!(\n
window.document &&\n window.document.featurePolicy &&\n
window.document.featurePolicy.allowsFeature('sync-xhr')\n);\n }\n\n /**\n * Copyright (c) Facebook, Inc. and its
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n export function localStorageGetItem(key: string):
any {\n try {\n return localStorage.getItem(key);\n } catch (error) {\n return null;\n }\n }\n\n export function
localStorageRemoveItem(key: string): void {\n try {\n localStorage.removeItem(key);\n } catch (error) {\n
 }\n }\n\n export function localStorageSetItem(key: string, value: any): void {\n try {\n return
localStorage.setItem(key, value);\n } catch (error) {\n }\n }\n\n export function sessionStorageGetItem(key: string): any {\n
 try {\n return sessionStorage.getItem(key);\n } catch (error) {\n return null;\n }\n }\n\n export function
sessionStorageRemoveItem(key: string): void {\n try {\n sessionStorage.removeItem(key);\n } catch (error) {\n
 }\n }\n\n export function sessionStorageSetItem(key: string, value: any): void {\n try {\n return
sessionStorage.setItem(key, value);\n } catch (error) {\n }\n }\n\n /**\n * Copyright (c) Facebook, Inc. and its
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root

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directory of this source tree.\n * \n * @flow\n * \n\nconst isArray = Array.isArray;\n\nexport default
isArray;\n", "'use strict';\n\nif (process.env.NODE_ENV === 'production') {\n module.exports = require('./cjs/react-
is.production.min.js');\n} else {\n module.exports = require('./cjs/react-is.development.js');\n}\n", "/*\n * Copyright
(c) Facebook, Inc. and its affiliates.\n * \n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n * \n * @flow\n * \n\ndeclare function isArray(a: mixed):
boolean %checks(Array.isArray(a));\n\nconst isArrayImpl = Array.isArray;\n\n// eslint-disable-next-line no-
redeclare\nfunction isArray(a: mixed): boolean {\n return isArrayImpl(a);\n}\n\nexport default isArray;\n", "/*\n *
Copyright (c) Facebook, Inc. and its affiliates.\n * \n * This source code is licensed under the MIT license found in
the\n * LICENSE file in the root directory of this source tree.\n * \n * @flow\n * \n\nimport
type {Fiber} from 'react-reconciler/src/ReactInternalTypes';\nimport type {CurrentDispatcherRef, ReactRenderer,
WorkTagMap} from './types';\nimport type {BrowserTheme} from 'react-devtools-
shared/src/devtools/views/DevTools';\nimport {format} from './utils';\n\nimport {getInternalReactConstants} from
'./renderer';\nimport {getStackByFiberInDevAndProd} from './DevToolsFiberComponentStack';\nimport
{consoleManagedByDevToolsDuringStrictMode} from 'react-devtools-feature-flags';\n\nconst
OVERRIDE_CONSOLE_METHODS = ['error', 'trace', 'warn'];\nconst DIMMED_NODE_CONSOLE_COLOR =
'\x1b[2m%s\x1b[0m';\n\n// React's custom built component stack strings match '\s{4}in'\n// Chrome's prefix
matches '\s{4}at'\n\nconst PREFIX_REGEX = /\s{4}(in|at)\s{1}/;\n// Firefox and Safari have no prefix ('')\n//
but we can fallback to looking for location info (e.g. 'foo.js:12:345')\n\nconst
ROW_COLUMN_NUMBER_REGEX = /\d+:\d+(\n|$)/;\n\nexport function isStringComponentStack(text:
string): boolean
{\n return PREFIX_REGEX.test(text) || ROW_COLUMN_NUMBER_REGEX.test(text);\n}\n\nconst
STYLE_DIRECTIVE_REGEX = /^%c/;\n\n// This function tells whether or not the arguments for a console\n//
method has been overridden by the patchForStrictMode function.\n// If it has we'll need to do some special
formatting of the arguments\n// so the console color stays consistent\nfunction isStrictModeOverride(args:
Array<string>, method: string): boolean {\n return (\n args.length === 2 &&\n
STYLE_DIRECTIVE_REGEX.test(args[0]) &&\n args[1] === `color: ${getConsoleColor(method) || ''}`\n
);\n}\n\nfunction getConsoleColor(method: string): ?string {\n switch (method) {\n case 'warn':\n return
consoleSettingsRef.browserTheme === 'light'\n ?
process.env.LIGHT_MODE_DIMMED_WARNING_COLOR\n :
process.env.DARK_MODE_DIMMED_WARNING_COLOR;\n case 'error':\n return
consoleSettingsRef.browserTheme === 'light'\n ? process.env.LIGHT_MODE_DIMMED_ERROR_COLOR\n
 :
process.env.DARK_MODE_DIMMED_ERROR_COLOR;\n case 'log':\n default:\n return
consoleSettingsRef.browserTheme === 'light'\n ? process.env.LIGHT_MODE_DIMMED_LOG_COLOR\n
: process.env.DARK_MODE_DIMMED_LOG_COLOR;\n }\n}\n\ntype OnErrorOrWarning = (\n fiber: Fiber,\n
type: 'error' | 'warn',\n args: Array<any>,\n) => void;\n\nconst injectedRenderers: Map<\n ReactRenderer,\n {\n
currentDispatcherRef: CurrentDispatcherRef,\n getCurrentFiber: () => Fiber | null,\n onErrorOrWarning:
?OnErrorOrWarning,\n workTagMap: WorkTagMap,\n }> = new Map();\n\nlet targetConsole: Object =
console;\nlet targetConsoleMethods = {};\nfor (const method in console) {\n targetConsoleMethods[method] =
console[method];\n}\n\nlet unpatchFn: null | (() => void) = null;\nlet isNode = false;\ntry {\n isNode = this ===
global;\n} catch (error) {} \n\n// Enables e.g. Jest tests to inject a mock console object.\nexport function
dangerous_setTargetConsoleForTesting(\n targetConsoleForTesting:
Object,\n): void {\n targetConsole = targetConsoleForTesting;\n\n targetConsoleMethods = {};\n for (const
method in targetConsole) {\n targetConsoleMethods[method] = console[method];\n }\n}\n\n// v16 renderers
should use this method to inject internals necessary to generate a component stack.\n// These internals will be used if
the console is patched.\n// Injecting them separately allows the console to easily be patched or un-patched later (at
runtime).\nexport function registerRenderer(\n renderer: ReactRenderer,\n onErrorOrWarning?:
OnErrorOrWarning,\n): void {\n const {\n currentDispatcherRef,\n getCurrentFiber,\n

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findFiberByHostInstance,\n version,\n } = renderer;\n\n // Ignore React v15 and older because they don't expose
a component stack anyway.\n if (typeof findFiberByHostInstance !== 'function') {\n return;\n }\n\n //
currentDispatcherRef gets injected for v16.8+ to support hooks inspection.\n // getCurrentFiber gets injected for
v16.9+.\n if (currentDispatcherRef !== null && typeof getCurrentFiber === 'function') {\n const
{ReactTypeOfWork} = getInternalReactConstants(version);\n\n injectedRenderers.set(renderer, {\n
currentDispatcherRef,\n getCurrentFiber,\n workTagMap: ReactTypeOfWork,\n onErrorOrWarning,\n
});\n }\n\n\nconst consoleSettingsRef = {\n appendComponentStack: false,\n breakOnConsoleErrors: false,\n
showInlineWarningsAndErrors: false,\n hideConsoleLogsInStrictMode: false,\n browserTheme: 'dark',\n};\n\n//
Patches console methods to append component stack for the current fiber.\n// Call unpatch() to remove the injected
behavior.\nexport function patch({\n appendComponentStack,\n breakOnConsoleErrors,\n
showInlineWarningsAndErrors,\n hideConsoleLogsInStrictMode,\n browserTheme,\n}): {\n
appendComponentStack: boolean,\n breakOnConsoleErrors: boolean,\n showInlineWarningsAndErrors: boolean,\n
hideConsoleLogsInStrictMode: boolean,\n browserTheme: BrowserTheme,\n}):
void {\n // Settings may change after we've patched the console.\n // Using a shared ref allows the patch function
to read the latest values.\n consoleSettingsRef.appendComponentStack = appendComponentStack;\n
consoleSettingsRef.breakOnConsoleErrors = breakOnConsoleErrors;\n
consoleSettingsRef.showInlineWarningsAndErrors = showInlineWarningsAndErrors;\n
consoleSettingsRef.hideConsoleLogsInStrictMode = hideConsoleLogsInStrictMode;\n
consoleSettingsRef.browserTheme = browserTheme;\n\n if (\n appendComponentStack ||\n breakOnConsoleErrors ||\n showInlineWarningsAndErrors\n) {\n if (unpatchFn !== null) {\n // Don't patch
twice.\n return;\n }\n\n const originalConsoleMethods = {};\n\n unpatchFn = () => {\n for (const method
in originalConsoleMethods) {\n try {\n // $FlowFixMe property error|warn is not writable.\n
targetConsole[method] = originalConsoleMethods[method];\n } catch (error) {\n }\n }\n }\n\n OVERRIDE_CONSOLE_METHODS.forEach(method => {\n try {\n const originalMethod =
(originalConsoleMethods[method] = targetConsole[\n method\n
]).__REACT_DEVTOOLS_ORIGINAL_METHOD__\n ?\n targetConsole[method].__REACT_DEVTOOLS_ORIGINAL_METHOD__\n : targetConsole[method]);\n\n const overrideMethod = (...args) => {\n let shouldAppendWarningStack = false;\n if (method !== 'log')\n if (consoleSettingsRef.appendComponentStack) {\n const lastArg = args.length > 0 ?
args[args.length - 1] : null;\n const alreadyHasComponentStack =\n typeof lastArg === 'string' &&
isStringComponentStack(lastArg);\n // If we are ever called with a string that already has a component
stack,\n // e.g. a React error/warning, don't append a second stack.\n shouldAppendWarningStack =
!alreadyHasComponentStack;\n }\n }\n\n const\n shouldShowInlineWarningsAndErrors =\n consoleSettingsRef.showInlineWarningsAndErrors &&\n
(method === 'error' || method === 'warn');\n\n // Search for the first renderer that has a current Fiber.\n //
We don't handle the edge case of stacks for more than one (e.g. interleaved renderers?)\n // eslint-disable-next-
line no-for-of-loops/no-for-of-loops\n for (const {\n currentDispatcherRef,\n getCurrentFiber,\n
 onErrorOrWarning,\n workTagMap,\n } of injectedRenderers.values()) {\n const current:
?Fiber = getCurrentFiber();\n if (current !== null) {\n try {\n if
(shouldShowInlineWarningsAndErrors) {\n // patch() is called by two places: (1) the hook and (2) the
renderer backend.\n // The backend is what implements a message queue, so it's the only one that injects
onErrorOrWarning.\n\n if (typeof onErrorOrWarning === 'function') {\n onErrorOrWarning(\n current,\n
 ((method: any): 'error' | 'warn'),\n // Copy args before we mutate them (e.g. adding the component
stack)\n args.slice(),\n);\n }\n }\n\n if
(shouldAppendWarningStack) {\n const componentStack = getStackByFiberInDevAndProd(\n
workTagMap,\n current,\n currentDispatcherRef,\n);\n if
(componentStack !== '') {\n if (isStrictModeOverride(args, method)) {\n args[0] =

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format(args[0], componentStack);\n } else {\n args.push(componentStack);\n }\n } catch (error) {\n // Don't let a DevTools or React internal error interfere with logging.\n setTimeout(() => {\n throw error;\n }, 0);\n } finally {\n break;\n }\n}\n\nif (consoleSettingsRef.breakOnConsoleErrors) {\n // --- Welcome to debugging with React DevTools ---\n // This debugger statement means that you've enabled the \"break on warnings\" feature.\n // Use the browser's Call Stack panel to step out of this override function-\n // to where the original warning or error was logged.\n // eslint-disable-next-line no-debugger\n debugger;\n}\n\noriginalMethod(...args);\n};\n\n__overrideMethod.__REACT_DEVTOOLS_ORIGINAL_METHOD__ = originalMethod;\n__originalMethod.__REACT_DEVTOOLS_OVERRIDE_METHOD__ = overrideMethod;\n\n// $FlowFixMe property error|warn is not writable.\n\n__targetConsole[method] = overrideMethod;\n} catch (error) {\n }\n} else {\n __unpatch();\n}\n}\n\n// Removed component stack patch from console methods.\nexport function unpatch(): void {\n if (unpatchFn !== null) {\n __unpatchFn();\n __unpatchFn = null;\n }\n}\n\nlet unpatchForStrictModeFn: null | (() => void) = null;\n\n// NOTE: KEEP IN SYNC with src/hook.js:patchConsoleForInitialRenderInStrictMode\nexport function patchForStrictMode() {\n if (consoleManagedByDevToolsDuringStrictMode) {\n const __overrideConsoleMethods = ['error', 'trace', 'warn', 'log'];\n\n if (unpatchForStrictModeFn !== null) {\n // Don't patch twice.\n return;\n }\n\n const __originalConsoleMethods = {};\n\n __unpatchForStrictModeFn = () => {\n for (const method in __originalConsoleMethods) {\n try {\n // $FlowFixMe property error|warn is not writable.\n __targetConsole[method] = __originalConsoleMethods[method];\n } catch (error) {\n }\n }\n\n __overrideConsoleMethods.forEach(method => {\n try {\n const __originalMethod = __originalConsoleMethods[method];\n __targetConsole[method] = __originalMethod;\n } catch (error) {\n }\n }\n }\n\n __overrideConsoleMethods[method] = __targetConsole[method];\n }\n }\n\n __targetConsole[method].__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__ = __originalMethod;\n __targetConsole[method].__REACT_DEVTOOLS_STRICT_MODE_OVERRIDE_METHOD__ = __overrideMethod;\n\n const __overrideMethod = (...args) => {\n if (!consoleSettingsRef.hideConsoleLogsInStrictMode) {\n // Dim the text color of the double logs if we're not\n // hiding them.\n if (isNode) {\n __originalMethod(DIMMED_NODE_CONSOLE_COLOR, format(...args));\n } else {\n const color = __getConsoleColor(method);\n if (color) {\n __originalMethod(`%c${format(...args)}`, `color: ${color}`);\n } else {\n throw Error('Console color is not defined');\n }\n }\n }\n\n __overrideMethod.__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__ = __originalMethod;\n __originalMethod.__REACT_DEVTOOLS_STRICT_MODE_OVERRIDE_METHOD__ = __overrideMethod;\n\n // $FlowFixMe property error|warn is not writable.\n __targetConsole[method] = __overrideMethod;\n } catch (error) {\n }\n }\n }\n}\n\n// NOTE: KEEP IN SYNC with src/hook.js:unpatchConsoleForInitialRenderInStrictMode\nexport function unpatchForStrictMode(): void {\n if (consoleManagedByDevToolsDuringStrictMode) {\n if (unpatchForStrictModeFn !== null) {\n __unpatchForStrictModeFn();\n __unpatchForStrictModeFn = null;\n }\n }\n}\n\n\"exports = module.exports = SemVer\n\nvar debug = /* istanbul ignore next */\n (typeof process === 'object' &&\n process.env &&\n process.env.NODE_DEBUG &&\n !/bsemver\\b\\.i\\.test(process.env.NODE_DEBUG))\n {\n debug = function () {\n var args = Array.prototype.slice.call(arguments, 0);\n args.unshift('SEMVER');\n console.log.apply(console, args);\n }\n } else {\n debug = function () {\n }\n }\n }\n\n// Note: this is the semver.org version of the spec that it implements\n// Not necessarily the package version of this code.\nexports.SEMVER_SPEC_VERSION = '2.0.0'\n\nvar MAX_LENGTH = 256\nvar MAX_SAFE_INTEGER = Number.MAX_SAFE_INTEGER ||\n /* istanbul ignore next */ 9007199254740991\n\n// Max safe segment length for coercion.\nvar MAX_SAFE_COMPONENT_LENGTH = 16\n\n// The actual regexps go on exports.re\nvar re = exports.re = []\nvar src = exports.src = []\nvar t = exports.tokens = {}\nvar R = 0\n\nfunction tok(n) {\n t[n] = R++\n}\n\n// The following Regular Expressions can be used for tokenizing,\n// validating, and parsing SemVer version strings.\n//
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Numeric Identifier\n// A single `0`, or a non-zero digit followed by zero or more
digits.\n\ntok('NUMERICIDENTIFIER')\nsrc[t.NUMERICIDENTIFIER] = '0|[1-
9]\\\\d*'\n\ntok('NUMERICIDENTIFIERLOOSE')\nsrc[t.NUMERICIDENTIFIERLOOSE] = '[0-9]+' + '\n\n// ## Non-
numeric Identifier\n// Zero or more
digits, followed by a letter or hyphen, and then zero or\n// more letters, digits, or
hyphens.\n\ntok('NONNUMERICIDENTIFIER')\nsrc[t.NONNUMERICIDENTIFIER] = '\\\\d*[a-zA-Z-][a-zA-Z0-
9-]*'\n\n// ## Main Version\n// Three dot-separated numeric
identifiers.\n\ntok('MAINVERSION')\nsrc[t.MAINVERSION] = '(' + src[t.NUMERICIDENTIFIER] + ')\\\\\\\\.' + '\n
(' + src[t.NUMERICIDENTIFIER] + ')\\\\\\\\.' + '\n
(' + src[t.NUMERICIDENTIFIER] +
')'\n\ntok('MAINVERSIONLOOSE')\nsrc[t.MAINVERSIONLOOSE] = '(' + src[t.NUMERICIDENTIFIERLOOSE] +
')\\\\\\\\.' + '\n
(' + src[t.NUMERICIDENTIFIERLOOSE] + ')\\\\\\\\.' + '\n
(' +
src[t.NUMERICIDENTIFIERLOOSE] + ')'\n\n// ## Pre-release Version Identifier\n// A numeric identifier, or a non-
numeric identifier.\n\ntok('PRERELEASEIDENTIFIER')\nsrc[t.PRERELEASEIDENTIFIER] = '(:' +
src[t.NUMERICIDENTIFIER] + '\n
'| + src[t.NONNUMERICIDENTIFIER] +
')'\n\ntok('PRERELEASEIDENTIFIERLOOSE')\nsrc[t.PRERELEASEIDENTIFIERLOOSE]
= '(:' + src[t.NUMERICIDENTIFIERLOOSE] + '\n
'| + src[t.NONNUMERICIDENTIFIER] +
')'\n\n// ## Pre-release Version\n// Hyphen, followed by one or more dot-separated pre-release version\n//
identifiers.\n\ntok('PRERELEASE')\nsrc[t.PRERELEASE] = '(:' + src[t.PRERELEASEIDENTIFIER] + '\n
('?:\\\\\\\\.' + src[t.PRERELEASEIDENTIFIER] +
')*)'\n\ntok('PRERELEASELOOSE')\nsrc[t.PRERELEASELOOSE] = '(:' + src[t.PRERELEASEIDENTIFIERLOOSE] + '\n
('?:\\\\\\\\.' + src[t.PRERELEASEIDENTIFIERLOOSE] +
')*)'\n\n// ## Build Metadata Identifier\n// Any combination of digits, letters, or
hyphens.\n\ntok('BUILDIDENTIFIER')\nsrc[t.BUILDIDENTIFIER] = '[0-9A-Za-z-]+' + '\n\n// ## Build Metadata\n//
Plus sign, followed by one or more period-separated build metadata\n// identifiers.\n\ntok('BUILD')\nsrc[t.BUILD]
= '(:' + src[t.BUILDIDENTIFIER] + '\n
('?:\\\\\\\\.' + src[t.BUILDIDENTIFIER] + ')*)'\n\n//
Full Version String\n// A main version, followed optionally by a pre-release version and\n// build metadata.\n\n//
Note that the only major, minor, patch, and pre-release sections of\n// the version string are capturing groups. The
build metadata is not\n// capturing group, because it should not ever be used in version\n//
comparison.\n\ntok('FULL')\n\ntok('FULLPLAIN')\nsrc[t.FULLPLAIN] = 'v?' + src[t.MAINVERSION] + '\n
src[t.PRERELEASE] + '?' + '\n
src[t.BUILD] + '?' + '\n\nsrc[t.FULL] = '^' + src[t.FULLPLAIN] + '$'\n\n// like
full, but allows v1.2.3 and =1.2.3, which people do sometimes.\n// also, 1.0.0alpha1 (prerelease without the hyphen)
which is pretty\n// common in the npm registry.\n\ntok('LOOSEPLAIN')\nsrc[t.LOOSEPLAIN] = '[v=\\\\s]*' +
src[t.MAINVERSIONLOOSE] + '\n
src[t.PRERELEASELOOSE] + '?' + '\n
src[t.BUILD] +
?' + '\n\ntok('LOOSE')\nsrc[t.LOOSE] = '^' + src[t.LOOSEPLAIN] + '$'\n\ntok('GTLT')\nsrc[t.GTLT] =
'((?:<|>)?=?)'\n\n//
Something like \"2.*\" or \"1.2.x\".\n\n// Note that \"x.x\" is a valid xRange identifier, meaning \"any version\".\n\n//
Only the first item is strictly
required.\n\ntok('XRANGEIDENTIFIERLOOSE')\nsrc[t.XRANGEIDENTIFIERLOOSE] =
src[t.NUMERICIDENTIFIERLOOSE] + '|x|X|*' + '\n\ntok('XRANGEIDENTIFIER')\nsrc[t.XRANGEIDENTIFIER]
= src[t.NUMERICIDENTIFIER] + '|x|X|*' + '\n\ntok('XRANGEPLAIN')\nsrc[t.XRANGEPLAIN] = '[v=\\\\s]*(' +
src[t.XRANGEIDENTIFIER] + ')'\n\n//
('?:\\\\\\\\.' + src[t.XRANGEIDENTIFIER] + ')'\n\n//
('?:\\\\\\\\.' + src[t.XRANGEIDENTIFIER] + ')'\n\n//
('?:' + src[t.PRERELEASE] + ')?' + '\n
src[t.BUILD] + '?' + '\n
')?'\n\ntok('XRANGEPLAINLOOSE')\nsrc[t.XRANGEPLAINLOOSE] =
'[v=\\\\s]*(' + src[t.XRANGEIDENTIFIERLOOSE] + ')'\n\n//
('?:\\\\\\\\.' +
src[t.XRANGEIDENTIFIERLOOSE] + ')'\n\n//
('?:\\\\\\\\.' + src[t.XRANGEIDENTIFIERLOOSE] + ')'\n\n//
('?:' + src[t.PRERELEASELOOSE] + ')?' + '\n
src[t.BUILD] + '?' + '\n
')?'\n\ntok('XRANGE')\nsrc[t.XRANGE] = '^' + src[t.GTLT] + '\\\\s*' + src[t.XRANGEPLAIN] +

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'$\ntok('XRANGELOOSE')\nsrc[t.XRANGELOOSE] = '^' + src[t.GTLT] + '\\s*' +
src[t.XRANGEPLAINLOOSE] + '$\n\n// Coercion.\n// Extract anything that could conceivably be a part of a valid
semver\ntok('COERCE')\nsrc[t.COERCE] = '^(?![^\\d])' +\n '(\\d{1,' +
MAX_SAFE_COMPONENT_LENGTH + '})' +\n '(?:\\.\\d{1,' +
MAX_SAFE_COMPONENT_LENGTH + '})?' +\n '(?:\\.\\d{1,' +
MAX_SAFE_COMPONENT_LENGTH + '})?)' +\n
'(?:$|[^\d])\ntok('COERCERTL')\nre[t.COERCERTL] = new RegExp(src[t.COERCE], 'g')\n\n// Tilde ranges.\n//
Meaning is \"reasonably at or greater than\"\ntok('LONETILDE')\nsrc[t.LONETILDE] =
'(?::~>?)'\n\ntok('TILDETRIM')\nsrc[t.TILDETRIM] = '\\s*' + src[t.LONETILDE] + '\\s+'\nre[t.TILDETRIM] =
new RegExp(src[t.TILDETRIM],
'g')\nvar tildeTrimReplace = '$1~'\n\ntok('TILDE')\nsrc[t.TILDE] = '^' + src[t.LONETILDE] +
src[t.XRANGEPLAIN] + '$\ntok('TILDELOOSE')\nsrc[t.TILDELOOSE] = '^' + src[t.LONETILDE] +
src[t.XRANGEPLAINLOOSE] + '$\n\n// Caret ranges.\n// Meaning is \"at least and backwards compatible
with\"\ntok('LONECARET')\nsrc[t.LONECARET] = '(?:\\^\\^)\n\ntok('CARETTRIM')\nsrc[t.CARETTRIM] =
'\\s*' + src[t.LONECARET] + '\\s+'\nre[t.CARETTRIM] = new RegExp(src[t.CARETTRIM], 'g')\nvar
caretTrimReplace = '$1^'\n\ntok('CARET')\nsrc[t.CARET] = '^' + src[t.LONECARET] + src[t.XRANGEPLAIN] +
'$\ntok('CARETLOOSE')\nsrc[t.CARETLOOSE] = '^' + src[t.LONECARET] + src[t.XRANGEPLAINLOOSE] +
'$\n\n// A simple gt/lt/eq thing, or just \"\" to indicate \"any
version\"\ntok('COMPARATORLOOSE')\nsrc[t.COMPARATORLOOSE] = '^' + src[t.GTLT] + '\\s*(' +
src[t.LOOSEPLAIN] + ')$|^'\n\ntok('COMPARATOR')\nsrc[t.COMPARATOR] = '^' + src[t.GTLT] + '\\s*(' +
src[t.FULLPLAIN] + ')$|^'\n\n// An expression to strip
any whitespace between the gtl and the thing\n// it modifies, so that `> 1.2.3` ==>
`>1.2.3`\ntok('COMPARATORTRIM')\nsrc[t.COMPARATORTRIM] = '\\s*' + src[t.GTLT] +\n
'\\s*(' + src[t.LOOSEPLAIN] + '|' + src[t.XRANGEPLAIN] + ')\n\n// this one has to use the /g
flag\nre[t.COMPARATORTRIM] = new RegExp(src[t.COMPARATORTRIM], 'g')\nvar comparatorTrimReplace =
'$1$2$3'\n\n// Something like `1.2.3 - 1.2.4`\n// Note that these all use the loose form, because they'll be\n// checked
against either the strict or loose comparator form\n// later.\ntok('HYPHENRANGE')\nsrc[t.HYPHENRANGE] =
'^\\s*(' + src[t.XRANGEPLAIN] + ')+\n '\\s+-\\s*'+\n '(' + src[t.XRANGEPLAIN] + ')+\n
+\\n '\\s*$'\n\ntok('HYPHENRANGELOOSE')\nsrc[t.HYPHENRANGELOOSE] = '^\\s*(' +
src[t.XRANGEPLAINLOOSE] + ')+\n '\\s+-\\s*'+\n '(' +
src[t.XRANGEPLAINLOOSE] + ')+\n
src[t.XRANGEPLAINLOOSE] + ')+\n
\\s*$'\n\n// Star ranges basically just allow anything at all.\ntok('STAR')\nsrc[t.STAR] = '(<|>)?=?\\s*\\|\\|*'\n\n//
Compile to actual regexp objects.\n// All are flag-free, unless they were created above with a flag.\nfor (var i = 0; i <
R; i++) {\n debug(i, src[i])\n if (!re[i]) {\n re[i] = new RegExp(src[i])\n }\n}\n\nexports.parse = parse\nfunction
parse (version, options) {\n if (!options || typeof options !== 'object') {\n options = {\n loose: !!options,\n includePrerelease: false\n }\n }\n if (version instanceof SemVer) {\n return version\n }\n if (typeof version
!== 'string') {\n return null\n }\n if (version.length > MAX_LENGTH) {\n return null\n }\n var r =
options.loose ? re[t.LOOSE] : re[t.FULL]\n if (!r.test(version)) {\n return null\n }\n try {\n return new
SemVer(version, options)\n } catch (er) {\n return null\n }\n}\n\nexports.valid = valid\nfunction valid (version,
options) {\n var v = parse(version,
options)\n return v ? v.version : null\n}\n\nexports.clean = clean\nfunction clean (version, options) {\n var s =
parse(version.trim().replace(/^[=v]+/, ''), options)\n return s ? s.version : null\n}\n\nexports.SemVer =
SemVer\n\nfunction SemVer (version, options) {\n if (!options || typeof options !== 'object') {\n options = {\n loose: !!options,\n includePrerelease: false\n }\n }\n if (version instanceof SemVer) {\n if (version.loose
=== options.loose) {\n return version\n } else {\n version = version.version\n }\n } else if (typeof version
!== 'string') {\n throw new TypeError('Invalid Version: ' + version)\n }\n if (version.length > MAX_LENGTH) {\n throw
new TypeError('version is longer than ' + MAX_LENGTH + ' characters')\n }\n if (!(this instanceof
SemVer)) {\n return new SemVer(version, options)\n }\n debug('SemVer', version, options)\n this.options =

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options\n this.loose = !!options.loose\n\n var m = version.trim().match(options.loose
? re[t.LOOSE] : re[t.FULL])\n\n if (!m) {\n throw new TypeError('Invalid Version: ' + version)\n } \n\n this.raw
= version\n\n // these are actually numbers\n this.major = +m[1]\n this.minor = +m[2]\n this.patch = +m[3]\n\n if
(this.major > MAX_SAFE_INTEGER || this.major < 0) {\n throw new TypeError('Invalid major version')\n } \n\n
if (this.minor > MAX_SAFE_INTEGER || this.minor < 0) {\n throw new TypeError('Invalid minor version')\n
}\n\n if (this.patch > MAX_SAFE_INTEGER || this.patch < 0) {\n throw new TypeError('Invalid patch version')\n
}\n\n // numberify any prerelease numeric ids\n if (!m[4]) {\n this.prerelease = []\n } else {\n this.prerelease =
m[4].split('.').map(function (id) {\n if (/^[0-9]+$/.test(id)) {\n var num = +id\n if (num >= 0 && num <
MAX_SAFE_INTEGER) {\n return num\n }\n }\n return id\n })\n }\n\n this.build = m[5] ?
m[5].split('.') : []\n this.format()\n\nSemVer.prototype.format
= function () {\n this.version = this.major + '.' + this.minor + '.' + this.patch\n if (this.prerelease.length) {\n
this.version += '-' + this.prerelease.join('.')\n }\n return this.version\n}\n\nSemVer.prototype.toString = function ()
{\n return this.version\n}\n\nSemVer.prototype.compare = function (other) {\n debug('SemVer.compare',
this.version, this.options, other)\n if (!(other instanceof SemVer)) {\n other = new SemVer(other, this.options)\n
}\n\n return this.compareMain(other) || this.comparePre(other)\n}\n\nSemVer.prototype.compareMain = function
(other) {\n if (!(other instanceof SemVer)) {\n other = new SemVer(other, this.options)\n }\n\n return
compareIdentifiers(this.major, other.major) ||\n compareIdentifiers(this.minor, other.minor) ||\n
compareIdentifiers(this.patch, other.patch)\n}\n\nSemVer.prototype.comparePre = function (other) {\n if (!(other
instanceof SemVer)) {\n other = new SemVer(other, this.options)\n }\n\n // NOT having a prerelease is > having one\n
if (this.prerelease.length && !other.prerelease.length) {\n
return -1\n } else if (!this.prerelease.length && other.prerelease.length) {\n return 1\n } else if
(!this.prerelease.length && !other.prerelease.length) {\n return 0\n }\n\n var i = 0\n do {\n var a =
this.prerelease[i]\n var b = other.prerelease[i]\n debug('prerelease compare', i, a, b)\n if (a === undefined && b
=== undefined) {\n return 0\n } else if (b === undefined) {\n return 1\n } else if (a === undefined) {\n
return -1\n } else if (a === b) {\n continue\n } else {\n return compareIdentifiers(a, b)\n }\n } while
(++i)\n}\n\nSemVer.prototype.compareBuild = function (other) {\n if (!(other instanceof SemVer)) {\n other =
new SemVer(other, this.options)\n }\n\n var i = 0\n do {\n var a = this.build[i]\n var b = other.build[i]\n
debug('prerelease compare', i, a, b)\n if (a
=== undefined && b === undefined) {\n return 0\n } else if (b === undefined) {\n return 1\n } else if (a
=== undefined) {\n return -1\n } else if (a === b) {\n continue\n } else {\n return compareIdentifiers(a,
b)\n }\n } while (++i)\n}\n\n// preminor will bump the version up to the next minor release, and immediately\n//
down to pre-release. premajor and prepatch work the same way.\nSemVer.prototype.inc = function (release,
identifier) {\n switch (release) {\n case 'premajor':\n this.prerelease.length = 0\n this.patch = 0\n
 this.minor = 0\n this.major++\n this.inc('pre', identifier)\n break\n case 'preminor':\n
 this.prerelease.length = 0\n this.patch = 0\n this.minor++\n this.inc('pre', identifier)\n break\n
 case 'prepatch':\n // If this is already a prerelease, it will bump to the next version\n // drop any prereleases that
might already exist, since they are not\n // relevant at this point.\n this.prerelease.length = 0\n this.inc('patch',
identifier)\n this.inc('pre',
identifier)\n break\n // If the input is a non-prerelease version, this acts the same as\n // prepatch.\n case
'prerelease':\n if (this.prerelease.length === 0) {\n this.inc('patch', identifier)\n }\n this.inc('pre',
identifier)\n break\n case 'major':\n // If this is a pre-major version, bump up to the same major version.\n
 // Otherwise increment major.\n // 1.0.0-5 bumps to 1.0.0\n // 1.1.0 bumps to 2.0.0\n if (this.minor !== 0
||\n this.patch !== 0 ||\n this.prerelease.length === 0) {\n this.major++\n }\n this.minor = 0\n
 this.patch = 0\n this.prerelease = []\n break\n case 'minor':\n // If this is a pre-minor version, bump up to
the same minor version.\n // Otherwise increment minor.\n // 1.2.0-5 bumps to 1.2.0\n // 1.2.1
bumps to 1.3.0\n if (this.patch !== 0 || this.prerelease.length === 0) {\n this.minor++\n }\n this.patch
= 0\n this.prerelease = []\n break\n case 'patch':\n // If this is not a pre-release version, it will increment
the patch.\n // If it is a pre-release it will bump up to the same patch version.\n // 1.2.0-5 patches to 1.2.0\n

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// 1.2.0 patches to 1.2.1\n if (this.prerelease.length === 0) {\n this.patch++\n }\n this.prerelease = []\n break\n // This probably shouldn't be used publicly.\n // 1.0.0 \"pre\" would become 1.0.0-0 which is the wrong\n direction.\n case 'pre':\n if (this.prerelease.length === 0) {\n this.prerelease = [0]\n } else {\n var i =\n this.prerelease.length\n while (--i >= 0) {\n if (typeof this.prerelease[i] === 'number') {\n this.prerelease[i]++\n i = -2\n }\n }\n if (i === -1) {\n // didn't increment anything\n this.prerelease.push(0)\n }\n if (identifier) {\n // 1.2.0-beta.1\n bumps to 1.2.0-beta.2,\n // 1.2.0-beta.fooblz or 1.2.0-beta bumps to 1.2.0-beta.0\n if (this.prerelease[0] ===\n identifier) {\n if (isNaN(this.prerelease[1])) {\n this.prerelease = [identifier, 0]\n }\n } else {\n this.prerelease = [identifier, 0]\n }\n }\n break\n default:\n throw new Error('invalid increment\n argument: ' + release)\n }\n this.format()\n this.raw = this.version\n return this\n }\n\n // exports\n exports.inc = inc\n function\n inc (version, release, loose, identifier) {\n if (typeof (loose) === 'string') {\n identifier = loose\n loose =\n undefined\n }\n try {\n return new SemVer(version, loose).inc(release, identifier).version\n } catch (er) {\n return null\n }\n }\n\n // exports\n exports.diff = diff\n function diff (version1, version2) {\n if (eq(version1, version2))\n {\n return null\n } else {\n var v1 = parse(version1)\n var v2 = parse(version2)\n var prefix = \"\" if\n (v1.prerelease.length || v2.prerelease.length) {\n prefix = 'pre'\n var defaultResult = 'prerelease'\n }\n for\n (var key in v1) {\n if (key === 'major' || key === 'minor' || key === 'patch') {\n if (v1[key] !== v2[key]) {\n return prefix + key\n }\n }\n }\n return defaultResult // may be undefined\n }\n }\n\n // exports\n exports.compareIdentifiers = compareIdentifiers\n var numeric = /^[0-9]+$/\n function compareIdentifiers\n (a, b) {\n var anum = numeric.test(a)\n var bnum = numeric.test(b)\n\n if (anum && bnum) {\n a = +a\n b =\n +b\n }\n return a === b ? 0\n : (anum && !bnum) ? -1\n : (bnum && !anum) ? 1\n : a < b ? -1\n : 1\n }\n\n // exports\n exports.rcompareIdentifiers = rcompareIdentifiers\n function rcompareIdentifiers (a, b) {\n return\n compareIdentifiers(b, a)\n }\n\n // exports\n exports.major = major\n function major (a,\n loose) {\n return new SemVer(a, loose).major\n }\n\n // exports\n exports.minor = minor\n function minor (a, loose) {\n return\n new SemVer(a, loose).minor\n }\n\n // exports\n exports.patch = patch\n function patch (a, loose) {\n return new SemVer(a,\n loose).patch\n }\n\n // exports\n exports.compare = compare\n function compare (a, b, loose) {\n return new SemVer(a,\n loose).compare(new SemVer(b, loose))\n }\n\n // exports\n exports.compareLoose = compareLoose\n function compareLoose (a,\n b) {\n return compare(a, b, true)\n }\n\n // exports\n exports.compareBuild = compareBuild\n function compareBuild (a, b, loose)\n {\n var versionA = new SemVer(a, loose)\n var versionB = new SemVer(b, loose)\n return\n versionA.compare(versionB) || versionA.compareBuild(versionB)\n }\n\n // exports\n exports.rcompare = rcompare\n function rcompare (a, b, loose) {\n return compare(b, a, loose)\n }\n\n // exports\n exports.sort = sort\n function sort (list, loose) {\n return\n list.sort(function (a, b) {\n return exports.compareBuild(a, b, loose)\n })\n }\n\n // exports\n exports.rsort = rsort\n function rsort\n (list, loose)\n {\n return list.sort(function (a, b) {\n return exports.compareBuild(b, a, loose)\n })\n }\n\n // exports\n exports.gt =\n gt\n function gt (a, b, loose) {\n return compare(a, b, loose) > 0\n }\n\n // exports\n exports.lt = lt\n function lt (a, b, loose) {\n return compare(a, b, loose) < 0\n }\n\n // exports\n exports.eq = eq\n function eq (a, b, loose) {\n return compare(a, b, loose) ===\n 0\n }\n\n // exports\n exports.neq = neq\n function neq (a, b, loose) {\n return compare(a, b, loose) !== 0\n }\n\n // exports\n exports.gte =\n gte\n function gte (a, b, loose) {\n return compare(a, b, loose) >= 0\n }\n\n // exports\n exports.lte = lte\n function lte (a, b, loose)\n {\n return compare(a, b, loose) <= 0\n }\n\n // exports\n exports.cmp = cmp\n function cmp (a, op, b, loose) {\n switch (op) {\n case '===':\n if (typeof a === 'object')\n a = a.version\n if (typeof b === 'object')\n b = b.version\n return a === b\n case '!==':\n if (typeof a === 'object')\n a = a.version\n if (typeof b === 'object')\n b = b.version\n return a\n case '==':\n case '!=':\n case '===':\n case '!===':\n return eq(a, b, loose)\n case '!==':\n return neq(a, b,\n loose)\n case '>':\n return gt(a, b, loose)\n case '>=':\n return gte(a, b, loose)\n case '<':\n return lt(a, b, loose)\n case '<=':\n return lte(a, b, loose)\n default:\n throw new TypeError('Invalid operator: '\n + op)\n }\n }\n\n // exports\n exports.Comparator = Comparator\n function Comparator (comp, options) {\n if (!options || typeof\n options !== 'object') {\n options = {\n loose: !!options,\n includePrerelease: false\n }\n }\n if (comp\n instanceof Comparator) {\n if (comp.loose === !!options.loose) {\n return comp\n } else {\n comp =\n comp.value\n }\n }\n if (!(this instanceof Comparator)) {\n return new Comparator(comp, options)\n }\n }\n
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debug('comparator', comp, options)\n this.options = options\n this.loose = !!options.loose\n this.parse(comp)\n\nif (this.semver === ANY)
 {\n this.value = ''\n } else {\n this.value = this.operator + this.semver.version\n }\n\n debug('comp',
this)\n\n\nvar ANY = {\nComparator.prototype.parse = function (comp) {\n var r = this.options.loose ?
re[t.COMPARATORLOOSE] : re[t.COMPARATOR]\n var m = comp.match(r)\n\n if (!m) {\n throw new
TypeError('Invalid comparator: ' + comp)\n }\n\n this.operator = m[1] !== undefined ? m[1] : ''\n if (this.operator
=== '=') {\n this.operator = ''\n }\n\n // if it literally is just '>' or '<' then allow anything.\n if (!m[2]) {\n
this.semver = ANY\n } else {\n this.semver = new SemVer(m[2], this.options.loose)\n }\n}\n\n\nComparator.prototype.toString = function () {\n return this.value\n}\n\nComparator.prototype.test =
function (version) {\n debug('Comparator.test', version, this.options.loose)\n\n if (this.semver === ANY || version
=== ANY) {\n return true\n }\n\n if (typeof version === 'string') {\n try {\n version = new SemVer(version,
this.options)\n } catch (er) {\n return false\n }\n }\n\n return cmp(version, this.operator, this.semver,
this.options)\n}\n\nComparator.prototype.intersects = function (comp, options) {\n if (!(comp instanceof
Comparator)) {\n throw new TypeError('a Comparator is required')\n }\n\n if (!options || typeof options !==
'object') {\n options = {\n loose: !!options,\n includePrerelease: false\n }\n }\n\n var rangeTmp\n\n if (this.operator === '') {\n if (this.value === '') {\n return true\n }\n rangeTmp = new Range(comp.value,
options)\n return satisfies(this.value, rangeTmp, options)\n } else if (this.operator === '<') {\n if (comp.value
=== '<') {\n return true\n }\n rangeTmp = new Range(this.value, options)\n return satisfies(comp.semver,
rangeTmp, options)\n }\n\n var sameDirectionIncreasing =\n (this.operator === '>=' || this.operator === '>')
&&\n (comp.operator === '>=' || comp.operator === '>')\n var sameDirectionDecreasing
=\n (this.operator === '<=' || this.operator === '<') &&\n (comp.operator === '<=' || comp.operator === '<')\n var sameSemVer = this.semver.version === comp.semver.version\n var differentDirectionsInclusive =\n (this.operator === '>=' || this.operator === '<=') &&\n (comp.operator === '>=' || comp.operator === '<=')\n var
oppositeDirectionsLessThan =\n cmp(this.semver, '<', comp.semver, options) &&\n ((this.operator === '>=' ||
this.operator === '>') &&\n (comp.operator === '<=' || comp.operator === '<'))\n var
oppositeDirectionsGreaterThan =\n cmp(this.semver, '>', comp.semver, options) &&\n ((this.operator === '<=' ||
this.operator === '<') &&\n (comp.operator === '>=' || comp.operator === '>'))\n\n return
sameDirectionIncreasing || sameDirectionDecreasing ||\n (sameSemVer && differentDirectionsInclusive) ||\n oppositeDirectionsLessThan || oppositeDirectionsGreaterThan\n}\n\n\nexports.Range = Range\nfunction Range
(range, options)
 {\n if (!options || typeof options !== 'object') {\n options = {\n loose: !!options,\n includePrerelease: false\n }\n }\n\n if (range instanceof Range) {\n if (range.loose === !!options.loose &&\n range.includePrerelease
=== !!options.includePrerelease) {\n return range\n } else {\n return new Range(range.raw, options)\n }\n }\n\n if (range instanceof Comparator) {\n return new Range(range.value, options)\n }\n\n if (!(this instanceof
Range)) {\n return new Range(range, options)\n }\n\n this.options = options\n this.loose = !!options.loose\n this.includePrerelease = !!options.includePrerelease\n\n // First, split based on boolean or\n this.raw = range\n this.set = range.split(/\s*\|\\\s*/).map(function (range) {\n return this.parseRange(range.trim())\n },
this).filter(function (c) {\n // throw out any that are not relevant for whatever reason\n return c.length\n })\n\n if (!this.set.length) {\n throw
new TypeError('Invalid SemVer Range: ' + range)\n }\n\n this.format()\n\n Range.prototype.format = function
() {\n this.range = this.set.map(function (comps) {\n return comps.join(' ').trim()\n }).join('|').trim()\n return
this.range\n }\n\n Range.prototype.toString = function () {\n return this.range\n }\n\n Range.prototype.parseRange =
function (range) {\n var loose = this.options.loose\n range = range.trim()\n // `1.2.3 - 1.2.4` => `>=1.2.3 <=1.2.4`\n var hr = loose ? re[t.HYPHENRANGELOOSE] : re[t.HYPHENRANGE]\n range = range.replace(hr,
hyphenReplace)\n debug('hyphen replace', range)\n // `> 1.2.3 < 1.2.5` => `>1.2.3 <1.2.5`\n range =
range.replace(re[t.COMPARATORTRIM], comparatorTrimReplace)\n debug('comparator trim', range,
re[t.COMPARATORTRIM])\n // `~ 1.2.3` => `~1.2.3`\n range = range.replace(re[t.TILDETRIM],

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tildeTrimReplace)\n\n // `^ 1.2.3` => `^1.2.3`\n range = range.replace(re[t.CARETTRIM], caretTrimReplace)\n\n // normalize spaces\n range = range.split(/\s+/).join('')\n\n // At this point, the range is completely trimmed and\n // ready to be split into comparators.\n\n var compRe = loose ? re[t.COMPARATORLOOSE] : re[t.COMPARATOR]\n var set = range.split(' ').map(function (comp) {\n return parseComparator(comp, this.options)\n }, this).join(' ').split(/\s+/)\n if (this.options.loose) {\n // in loose mode, throw out any that are not valid comparators\n set = set.filter(function (comp) {\n return !!comp.match(compRe)\n })\n }\n set = set.map(function (comp) {\n return new Comparator(comp, this.options)\n }, this)\n\n return set\n}\n\nRange.prototype.intersects = function (range, options) {\n if (!(range instanceof Range)) {\n throw new TypeError('a Range is required')\n }\n\n return this.set.some(function (thisComparators) {\n return (\n isSatisfiable(thisComparators, options) &&\n range.set.some(function (rangeComparators) {\n return (\n isSatisfiable(rangeComparators, options) &&\n thisComparators.every(function (thisComparator) {\n return rangeComparators.every(function (rangeComparator) {\n return thisComparator.intersects(rangeComparator, options)\n })\n })\n })\n })\n })\n })\n\n // take a set of comparators and determine whether there\n // exists a version which can satisfy it\nfunction isSatisfiable (comparators, options) {\n var result = true\n var remainingComparators = comparators.slice()\n var testComparator = remainingComparators.pop()\n\n while (result && remainingComparators.length) {\n result = remainingComparators.every(function (otherComparator) {\n return testComparator.intersects(otherComparator, options)\n })\n\n testComparator = remainingComparators.pop()\n }\n\n return result\n}\n\n// Mostly just for testing and legacy API reasons\nexports.toComparators = toComparators\nfunction toComparators (range, options) {\n return new Range(range, options).set.map(function (comp) {\n return comp.map(function (c) {\n return c.value\n }).join('').trim().split(' ')\n })\n}\n\n// comprised of xranges, tildes, stars, and gtlts at this point.\n// already replaced the hyphen ranges\n// turn into a set of JUST comparators.\nfunction parseComparator (comp, options) {\n debug('comp', comp, options)\n comp = replaceCarets(comp, options)\n debug('caret', comp)\n comp = replaceTildes(comp, options)\n debug('tildes', comp)\n comp = replaceXRanges(comp, options)\n debug('xrange', comp)\n comp = replaceStars(comp, options)\n debug('stars', comp)\n return comp\n}\n\nfunction isX (id) {\n return !id || id.toLowerCase() === 'x' || id === '*'\n}\n\n// ~, ~> --> * (any, kinda silly)\n// ~2, ~2.x, ~2.x.x, ~>2, ~>2.x ~>2.x.x --> >=2.0.0 <3.0.0\n// ~2.0, ~2.0.x, ~>2.0, ~>2.0.x --> >=2.0.0 <2.1.0\n// ~1.2, ~1.2.x, ~>1.2, ~>1.2.x --> >=1.2.0 <1.3.0\n// ~1.2.3, ~>1.2.3 --> >=1.2.3 <1.3.0\n// ~1.2.0, ~>1.2.0 --> >=1.2.0 <1.3.0\nfunction replaceTildes (comp, options) {\n return comp.trim().split(/\s+/).map(function (comp) {\n return replaceTilde(comp, options)\n }).join(' ')\n}\n\nfunction replaceTilde (comp, options) {\n var r = options.loose ? re[t.TILDELOOSE] : re[t.TILDE]\n return comp.replace(r, function (_, M, m, p, pr) {\n debug('tilde', comp, _, M, m, p, pr)\n var ret\n\n if (isX(M)) {\n ret = ''\n } else if (isX(m)) {\n ret = '>=' + M + '.0.0 <' + (+M + 1) + '.0.0'\n } else if (isX(p)) {\n // ~1.2 == >=1.2.0 <1.3.0\n ret = '>=' + M + '.' + m + '.0 <' + M + '.' + (+m + 1) + '.0'\n } else if (pr) {\n debug('replaceTilde pr', pr)\n ret = '>=' + M + '.' + m + '.' + p + '-' + pr + '<' + M + '.' + (+m + 1) + '.0'\n } else {\n // ~1.2.3 == >=1.2.3 <1.3.0\n ret = '>=' + M + '.' + m + '.' + p + '<' + M + '.' + (+m + 1) + '.0'\n }\n\n debug('tilde return', ret)\n return ret\n })\n}\n\n// ^, ^2, ^2.x, ^2.x.x --> >=2.0.0 <3.0.0\n// ^2.0, ^2.0.x --> >=2.0.0 <3.0.0\n// ^1.2, ^1.2.x --> >=1.2.0 <2.0.0\n// ^1.2.3 --> >=1.2.3 <2.0.0\n// ^1.2.0 --> >=1.2.0 <2.0.0\nfunction replaceCarets (comp, options) {\n return comp.trim().split(/\s+/).map(function (comp) {\n return replaceCaret(comp, options)\n }).join(' ')\n}\n\nfunction replaceCaret (comp, options) {\n debug('caret', comp, options)\n var r = options.loose ? re[t.CARETLOOSE] : re[t.CARET]\n return comp.replace(r, function (_, M, m, p, pr) {\n debug('caret', comp, _, M, m, p, pr)\n var ret\n\n if (isX(M)) {\n ret = ''\n } else if (isX(m)) {\n ret = '>=' + M + '.0.0 <' + (+M + 1) + '.0.0'\n } else if (isX(p)) {\n if (M === '0') {\n ret = '>=' + M + '.' + m + '.0 <' + M + '.' + (+m + 1) + '.0'\n } else {\n ret = '>=' + M + '.' + m + '.0 <' + (+M + 1) + '.0.0'\n }\n } else if (pr) {\n debug('replaceCaret pr', pr)\n if (M === '0') {\n

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 if (m === '0') {\n ret = '>=' + M + '.' + m + '.' + p + '-' + pr + '\n ' < + M + '.' + m + '.' + (+p + 1)\n
 } else {\n ret = '>=' + M + '.' + m + '.' + p + '-' + pr + '\n ' < + M + '.' + (+m + 1) + '.0'\n } \n }
 else {\n ret = '>=' + M + '.' + m + '.' + p + '-' + pr + '\n ' < + (+M + 1) + '.0.0'\n } \n } else {\n
 debug('no pr')\n if (M === '0') {\n if (m === '0') {\n ret = '>=' + M + '.' + m + '.' + p + '\n ' < +
 M + '.' + m + '.' + (+p + 1)\n } else {\n ret = '>=' + M + '.' + m + '.' + p + '\n ' < + M + '.' + (+m +
 1) + '.0'\n } \n } else {\n ret = '>=' + M + '.' + m + '.' + p + '\n ' < + (+M + 1) + '.0.0'\n } \n
 } \n \n debug('caret return', ret)\n return ret\n } \n } \n \n function replaceXRanges (comp, options) {\n
 debug('replaceXRanges', comp, options)\n return comp.split(/\\s+/).map(function
 (comp) {\n return replaceXRange(comp, options)\n }).join(' ')\n } \n \n function replaceXRange (comp, options) {\n
 comp = comp.trim()\n var r = options.loose ? re[t.XRANGELOOSE] : re[t.XRANGE]\n return comp.replace(r,
 function (ret, gtl, M, m, p, pr) {\n debug('xRange', comp, ret, gtl, M, m, p, pr)\n var xM = isX(M)\n var xm =
 xM || isX(m)\n var xp = xm || isX(p)\n var anyX = xp\n if (gtl === '=' && anyX) {\n gtl = '>' \n } \n \n //
 if we're including prereleases in the match, then we need \n // to fix this to -0, the lowest possible prerelease
 value\n pr = options.includePrerelease ? '-0' : ''\n if (xm) {\n if (gtl === '>' || gtl === '<') {\n // nothing
 is allowed\n ret = '<0.0.0-0'\n } else {\n // nothing is forbidden\n ret = '*'\n } \n } else if (gtl
 && anyX) {\n // we know patch is an x, because we have any x at all.\n // replace X with 0\n if (xm) {\n
 m = 0\n
 } \n p = 0\n if (gtl === '>') {\n // >1 => >=2.0.0\n // >1.2 => >=1.3.0\n // >1.2.3 => >=
 1.2.4\n gtl = '>='\n if (xm) {\n M = +M + 1\n m = 0\n p = 0\n } else {\n m = +m
 + 1\n p = 0\n } \n } else if (gtl === '<=') {\n // <=0.7.x is actually <0.8.0, since any 0.7.x should\n
 // pass. Similarly, <=7.x is actually <8.0.0, etc.\n gtl = '<'\n if (xm) {\n M = +M + 1\n } else
 {\n m = +m + 1\n } \n } \n \n ret = gtl + M + '.' + m + '.' + p + pr\n } else if (xm) {\n ret = '>=' +
 M + '.0.0' + pr + ' < + (+M + 1) + '.0.0' + pr\n } else if (xp) {\n ret = '>=' + M + '.' + m + '.0' + pr + '\n ' < +
 M + '.' + (+m + 1) + '.0' + pr\n } \n \n debug('xRange return', ret)\n return ret\n }) \n } \n \n // Because * is AND-
 ed with everything else in the comparator,\n // and " means "any version",
 just remove the *s entirely.\n function replaceStars (comp, options) {\n debug('replaceStars', comp, options)\n //
 Looseness is ignored here. star is always as loose as it gets!\n return comp.trim().replace(re[t.STAR], '')\n } \n \n //
 This function is passed to string.replace(re[t.HYPHENRANGE])\n // M, m, patch, prerelease, build\n // 1.2 - 3.4.5 =>
 >=1.2.0 <=3.4.5\n // 1.2.3 - 3.4 => >=1.2.0 <3.5.0 Any 3.4.x will do\n // 1.2 - 3.4 => >=1.2.0 <3.5.0\n function
 hyphenReplace ($0, from, fM, fm, fp, fpr, fb, to, tM, tm, tp, tpr, tb) {\n if (isX(fM)) {\n from = '' \n } else if
 (isX(fm)) {\n from = '>=' + fM + '.0.0'\n } else if (isX(fp)) {\n from = '>=' + fM + '.' + fm + '.0'\n } else {\n
 from = '>=' + from\n } \n \n if (isX(tM)) {\n to = '' \n } else if (isX(tm)) {\n to = '<' + (+tM + 1) + '.0.0'\n }
 else if (isX(tp)) {\n to = '<' + tM + '.' + (+tm + 1) + '.0'\n } else if (tpr) {\n to = '<=' + tM + '.' + tm + '.' + tp + '-' +
 tpr\n } else {\n to = '<='
 + to\n } \n \n return (from + ' ' + to).trim()\n } \n \n // if ANY of the sets match ALL of its comparators, then
 pass\n Range.prototype.test = function (version) {\n if (!version) {\n return false\n } \n \n if (typeof version ===
 'string') {\n try {\n version = new SemVer(version, this.options)\n } catch (er) {\n return false\n } \n
 } \n \n for (var i = 0; i < this.set.length; i++) {\n if (testSet(this.set[i], version, this.options)) {\n return true\n }
 } \n \n return false\n } \n \n function testSet (set, version, options) {\n for (var i = 0; i < set.length; i++) {\n if
 (!set[i].test(version)) {\n return false\n } \n } \n \n if (version.prerelease.length && !options.includePrerelease)
 {\n // Find the set of versions that are allowed to have prereleases\n // For example, ^1.2.3-pr.1 desugars to
 >=1.2.3-pr.1 <2.0.0\n // That should allow `1.2.3-pr.2` to pass.\n // However, `1.2.4-alpha.notready` should NOT
 be allowed,\n // even though
 it's within the range set by the comparators.\n for (i = 0; i < set.length; i++) {\n debug(set[i].semver)\n if
 (set[i].semver === ANY) {\n continue\n } \n \n if (set[i].semver.prerelease.length > 0) {\n var allowed
 = set[i].semver\n if (allowed.major === version.major &&\n allowed.minor === version.minor &&\n
 allowed.patch === version.patch) {\n return true\n } \n } \n } \n \n // Version has a -pre, but it's not
 one of the ones we like.\n return false\n } \n \n return true\n } \n \n exports.satisfies = satisfies\n function satisfies

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(version, range, options) {\n try {\n range = new Range(range, options)\n } catch (er) {\n return false\n }\n return range.test(version)\n}\n\nexports.maxSatisfying = maxSatisfying\nfunction maxSatisfying (versions, range, options) {\n var max = null\n var maxSV = null\n try {\n var rangeObj = new Range(range, options)\n } catch (er) {\n return null\n }\n versions.forEach(function (v) {\n if (rangeObj.test(v)) {\n // satisfies(v, range, options)\n if (!max || maxSV.compare(v) === -1) {\n // compare(max, v, true)\n max = v\n maxSV = new SemVer(max, options)\n }\n }\n })\n return max\n}\n\nexports.minSatisfying = minSatisfying\nfunction minSatisfying (versions, range, options) {\n var min = null\n var minSV = null\n try {\n var rangeObj = new Range(range, options)\n } catch (er) {\n return null\n }\n versions.forEach(function (v) {\n if (rangeObj.test(v)) {\n // satisfies(v, range, options)\n if (!min || minSV.compare(v) === 1) {\n // compare(min, v, true)\n min = v\n minSV = new SemVer(min, options)\n }\n }\n })\n return min\n}\n\nexports.minVersion = minVersion\nfunction minVersion (range, loose) {\n range = new Range(range, loose)\n\n var minver = new SemVer('0.0.0')\n if (range.test(minver)) {\n return minver\n }\n\n minver = new SemVer('0.0.0-0')\n if (range.test(minver)) {\n return minver\n }\n\n minver = null\n for (var i = 0; i < range.set.length; ++i) {\n var comparators = range.set[i]\n comparators.forEach(function (comparator) {\n // Clone to avoid manipulating the comparator's semver object.\n var compver = new SemVer(comparator.semver.version)\n switch (comparator.operator) {\n case '>':\n if (compver.prerelease.length === 0) {\n compver.patch++\n } else {\n compver.prerelease.push(0)\n }\n compver.raw = compver.format()\n /* fallthrough */\n case '>=':\n if (!minver || gt(minver, compver)) {\n minver = compver\n }\n break\n case '<':\n case '<=':\n /* Ignore maximum versions */\n break\n /* istanbul ignore next */\n default:\n throw new Error('Unexpected operation: ' + comparator.operator)\n }\n })\n }\n\n if (minver && range.test(minver)) {\n return minver\n }\n\n return null\n}\n\nexports.validRange = validRange\nfunction validRange (range, options) {\n try {\n // Return '*' instead of '' so that truthiness works. // This will throw if it's invalid anyway\n return new Range(range, options).range || '*'\n } catch (er) {\n return null\n }\n}\n\n// Determine if version is less than all the versions possible in the range\nexports.ltr = ltr\nfunction ltr (version, range, options) {\n return outside(version, range, '<', options)\n}\n\n// Determine if version is greater than all the versions possible in the range\nexports.gtr = gtr\nfunction gtr (version, range, options) {\n return outside(version, range, '>', options)\n}\n\nexports.outside = outside\nfunction outside (version, range, hilo, options) {\n version = new SemVer(version, options)\n range = new Range(range, options)\n\n var gtfn, ltefn, ltfn, comp, ecomp\n switch (hilo) {\n case '>':\n gtfn = gt\n ltefn = lte\n ltfn = lt\n comp = '>'\n ecomp = '>='\n break\n case '<':\n gtfn = lt\n ltefn = gte\n ltfn = gt\n comp = '<'\n ecomp = '<='\n break\n default:\n throw new TypeError('Must provide a hilo val of < or >')\n }\n\n // If it satisfies the range it is not outside\n if (satisfies(version, range, options)) {\n return false\n }\n\n // From now on, variable terms are as if we're in 'gtr' mode.\n // but note that everything is flipped for the 'ltr' function.\n for (var i = 0; i < range.set.length; ++i) {\n var comparators = range.set[i]\n var high = null\n var low = null\n comparators.forEach(function (comparator) {\n if (comparator.semver === ANY) {\n comparator = new Comparator('>=0.0.0')\n }\n high = high || comparator\n low = low || comparator\n if (gtfn(comparator.semver, high.semver, options)) {\n high = comparator\n } else if (ltefn(comparator.semver, low.semver, options)) {\n low = comparator\n }\n })\n }\n\n // If the edge version comparator has a operator then our version // isn't outside it\n if (high.operator === comp || high.operator === ecomp) {\n return false\n }\n\n // If the lowest version comparator has an operator and our version // is less than it then it isn't higher than the range\n if ((!low.operator || low.operator === comp) && ltefn(version, low.semver)) {\n return false\n } else if (low.operator === ecomp && ltfn(version, low.semver)) {\n return false\n }\n\n return true\n}\n\nexports.prerelease = prerelease\nfunction prerelease (version, options) {\n var parsed = parse(version, options)\n return (parsed && parsed.prerelease.length) ? parsed.prerelease : null\n}\n\nexports.intersects = intersects\nfunction intersects (r1, r2, options) {\n r1 = new Range(r1, options)\n r2 = new

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Range(r2, options)\n return r1.intersects(r2)\n}\n\nexports.coerce = coerce\nfunction coerce (version, options) {\n
if (version instanceof SemVer) {\n return version\n }\n\n if (typeof version === 'number') {\n version =
String(version)\n }\n\n if (typeof version !== 'string') {\n return null\n }\n\n options = options || {}\n\n var
match = null\n if (!options.rtl) {\n match = version.match(re[t.COERCE])\n } else {\n // Find the right-most
coercible string that does not share\n // a terminus with a more left-ward coercible string.\n // Eg, '1.2.3.4' wants
to coerce '2.3.4', not '3.4' or '4'\n //\n // Walk through the string checking with a /g regexp\n // Manually set the
index so as to pick up overlapping matches.\n // Stop when we get a match that ends at the string end, since no\n
// coercible string can be more right-ward without the same terminus.\n var next\n while ((next =
re[t.COERCERTL].exec(version)) &&\n (!match || match.index
+ match[0].length !== version.length)\n) {\n if (!match ||\n next.index + next[0].length !== match.index
+ match[0].length) {\n match = next\n }\n re[t.COERCERTL].lastIndex = next.index + next[1].length +
next[2].length\n }\n // leave it in a clean state\n re[t.COERCERTL].lastIndex = -1\n }\n\n if (match === null)
{\n return null\n }\n\n return parse(match[2] +\n '.' + (match[3] || '0') +\n '.' + (match[4] || '0'),
options)\n}\n\n", "/*\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport
{\n getDataType,\n getDisplayNameForReactElement,\n getAllEnumerableKeys,\n getInObject,\n
formatDataForPreview,\n setInObject,\n} from './utils';\n\nimport type {DehydratedData} from 'react-devtools-
shared/src/devtools/views/Components/types';\n\nexport const meta = {\n inspectable:
Symbol('inspectable'),\n inspected: Symbol('inspected'),\n name: Symbol('name'),\n preview_long:
Symbol('preview_long'),\n preview_short: Symbol('preview_short'),\n readonly: Symbol('readonly'),\n size:
Symbol('size'),\n type: Symbol('type'),\n unserializable: Symbol('unserializable'),\n};\n\nexport type Dehydrated =
{\n inspectable: boolean,\n name: string | null,\n preview_long: string | null,\n preview_short: string | null,\n
readonly?: boolean,\n size?: number,\n type: string,\n};\n\n// Typed arrays and other complex iterable objects
(e.g. Map, Set, ImmutableJS) need special handling.\n// These objects can't be serialized without losing type
information,\n// so a \"Unserializable\" type wrapper is used (with meta-data keys) to send nested values-\n// while
preserving the original type and name.\nexport type Unserializable = {\n name: string | null,\n preview_long: string
| null,\n preview_short: string | null,\n readonly?: boolean,\n size?: number,\n
type: string,\n unserializable: boolean,\n ...;\n};\n\n// This threshold determines the depth at which the bridge
\"dehydrates\" nested data.\n// Dehydration means that we don't serialize the data for e.g. postMessage or
stringify,\n// unless the frontend explicitly requests it (e.g. a user clicks to expand a props object).\n\n// Reducing
this threshold will improve the speed of initial component inspection,\n// but may decrease the responsiveness of
expanding objects/arrays to inspect further.\nconst LEVEL_THRESHOLD = 2;\n\n/*\n * Generate the dehydrated
metadata for complex object instances\n */\nfunction createDehydrated(\n type: string,\n inspectable: boolean,\n
data: Object,\n cleaned: Array<Array<string | number>>,\n path: Array<string | number>,\n): Dehydrated {\n
cleaned.push(path);\n\n const dehydrated: Dehydrated = {\n inspectable,\n type,\n preview_long:
formatDataForPreview(data, true),\n preview_short: formatDataForPreview(data, false),\n name:\n
!data.constructor || data.constructor.name === 'Object'\n ? \"\n : data.constructor.name,\n};\n\n if (type
=== 'array' || type === 'typed_array') {\n dehydrated.size = data.length;\n } else if (type === 'object') {\n
dehydrated.size = Object.keys(data).length;\n }\n\n if (type === 'iterator' || type === 'typed_array') {\n
dehydrated.readonly = true;\n }\n\n return dehydrated;\n}\n\n/*\n * Strip out complex data (instances, functions,
and data nested > LEVEL_THRESHOLD levels deep).\n * The paths of the stripped out objects are appended to the
`cleaned` list.\n * On the other side of the barrier, the cleaned list is used to \"re-hydrate\" the cleaned representation
into\n * an object with symbols as attributes, so that a sanitized object can be distinguished from a normal object.\n
*\n * Input: {\"some\": {\"attr\": fn()}, \"other\": AnInstance}\n * Output: {\n * \"some\": {\n * \"attr\":
{\n * \"name\": the fn.name, type: \"function\"\n * },\n * \"other\": {\n * \"name\": \"AnInstance\", \n * \"type\":
\"object\", \n * }, \n * }\n * and cleaned = [[\"some\",
\"attr\"], [\"other\"]]\n */\nexport function dehydrate(\n data: Object,\n cleaned: Array<Array<string | number>>,\n
unserializable: Array<Array<string | number>>,\n path: Array<string | number>,\n isPathAllowed: (path:

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Array<string | number>) => boolean,\n level?: number = 0,\n):\n | string\n | Dehydrated\n | Unserializable\n |
Array<Dehydrated>\n | Array<Unserializable>\n | {[key: string]: string | Dehydrated | Unserializable, ...} {\n const
type = getDataTypes(data);\n\n let isPathAllowedCheck;\n\n switch (type) {\n case 'html_element':\n
cleaned.push(path);\n return {\n inspectable: false,\n preview_short: formatDataForPreview(data,
false),\n preview_long: formatDataForPreview(data, true),\n name: data.tagName,\n type,\n };\n\n
case 'function':\n cleaned.push(path);\n return {\n
inspectable: false,\n preview_short: formatDataForPreview(data, false),\n preview_long:
formatDataForPreview(data, true),\n name:\n typeof data.name === 'function' || !data.name\n ?
'function'\n : data.name,\n type,\n };\n\n case 'string':\n isPathAllowedCheck =
isPathAllowed(path);\n if (isPathAllowedCheck) {\n return data;\n } else {\n return data.length <=
500 ? data : data.slice(0, 500) + '...';\n }\n\n case 'bigint':\n cleaned.push(path);\n return {\n
inspectable: false,\n preview_short: formatDataForPreview(data, false),\n preview_long:
formatDataForPreview(data, true),\n name: data.toString(),\n type,\n };\n\n case 'symbol':\n
cleaned.push(path);\n return {\n inspectable: false,\n preview_short: formatDataForPreview(data,
false),\n preview_long: formatDataForPreview(data, true),\n
name: data.toString(),\n type,\n };\n\n // React Elements aren't very inspector-friendly,\n // and often
contain private fields or circular references.\n case 'react_element':\n cleaned.push(path);\n return {\n
inspectable: false,\n preview_short: formatDataForPreview(data, false),\n preview_long:
formatDataForPreview(data, true),\n name: getDisplayNameForReactElement(data) || 'Unknown',\n type,\n
};\n\n // ArrayBuffers error if you try to inspect them.\n case 'array_buffer':\n case 'data_view':\n
cleaned.push(path);\n return {\n inspectable: false,\n preview_short: formatDataForPreview(data,
false),\n preview_long: formatDataForPreview(data, true),\n name: type === 'data_view' ? 'DataView' :
'ArrayBuffer',\n size: data.byteLength,\n type,\n };\n\n case 'array':\n isPathAllowedCheck =
isPathAllowed(path);\n if (level >= LEVEL_THRESHOLD
&& !isPathAllowedCheck) {\n return createDehydrated(type, true, data, cleaned, path);\n }\n return
data.map((item, i) =>{\n dehydrate(\n item,\n cleaned,\n unserializable,\n
path.concat([i]),\n isPathAllowed,\n isPathAllowedCheck ? 1 : level + 1,\n),\n });\n\n case
'html_all_collection':\n case 'typed_array':\n case 'iterator':\n isPathAllowedCheck = isPathAllowed(path);\n
if (level >= LEVEL_THRESHOLD && !isPathAllowedCheck) {\n return createDehydrated(type, true, data,
cleaned, path);\n } else {\n const unserializableValue: Unserializable = {\n unserializable: true,\n
type: type,\n readonly: true,\n size: type === 'typed_array' ? data.length : undefined,\n
preview_short: formatDataForPreview(data, false),\n preview_long: formatDataForPreview(data, true),\n
name:\n !data.constructor || data.constructor.name
=== 'Object'\n ? ''\n : data.constructor.name,\n };\n\n // TRICKY\n // Don't use
[...spread] syntax for this purpose.\n // This project uses @babel/plugin-transform-spread in "loose" mode
which only works with Array values.\n // Other types (e.g. typed arrays, Sets) will not spread correctly.\n
Array.from(data).forEach(\n (item, i) =>{\n (unserializableValue[i] = dehydrate(\n item,\n
cleaned,\n unserializable,\n path.concat([i]),\n isPathAllowed,\n
isPathAllowedCheck ? 1 : level + 1,\n)),\n });\n\n unserializable.push(path);\n\n return
unserializableValue;\n }\n\n case 'opaque_iterator':\n cleaned.push(path);\n return {\n inspectable:
false,\n preview_short: formatDataForPreview(data, false),\n preview_long: formatDataForPreview(data,
true),\n name: data[Symbol.toStringTag],\n type,\n };\n\n case 'date':\n cleaned.push(path);\n
return {\n inspectable: false,\n preview_short: formatDataForPreview(data, false),\n preview_long:
formatDataForPreview(data, true),\n name: data.toString(),\n type,\n };\n\n case 'regex':\n
cleaned.push(path);\n return {\n inspectable: false,\n preview_short: formatDataForPreview(data,
false),\n preview_long: formatDataForPreview(data, true),\n name: data.toString(),\n type,\n };\n\n
case 'object':\n isPathAllowedCheck = isPathAllowed(path);\n if (level >= LEVEL_THRESHOLD &&
!isPathAllowedCheck) {\n return createDehydrated(type, true, data, cleaned, path);\n } else {\n const

```

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object = {};\n getAllEnumerableKeys(data).forEach(key => {\n const name = key.toString();\n object[name] = dehydrate(\n data[key],\n cleaned,\n unserializable,\n path.concat([name]),\n isPathAllowed,\n isPathAllowedCheck ? 1 : level + 1,\n);\n });\n return object;\n }\n\n case 'infinity':\n case 'nan':\n case 'undefined':\n // Some values are lossy when sent through a WebSocket.\n // We dehydrate+rehydrate them to preserve their type.\n cleaned.push(path);\n return {\n type,\n };\n\n default:\n return data;\n }\n}\n\nexport function fillInPath(\n object: Object,\n data: DehydratedData,\n path: Array<string | number>,\n value: any,\n) {\n const target = getInObject(object, path);\n if (target != null) {\n if (!target[meta.unserializable]) {\n delete target[meta.inspectable];\n delete target[meta.inspected];\n delete target[meta.name];\n delete target[meta.preview_long];\n delete target[meta.preview_short];\n delete target[meta.readonly];\n\n delete target[meta.size];\n delete target[meta.type];\n }\n if (value !== null && data.unserializable.length > 0) {\n const unserializablePath = data.unserializable[0];\n let isMatch = unserializablePath.length === path.length;\n for (let i = 0; i < path.length; i++) {\n if (path[i] !== unserializablePath[i]) {\n isMatch = false;\n break;\n }\n }\n if (isMatch) {\n upgradeUnserializable(value, value);\n }\n setInObject(object, path, value);\n }\n\n export function hydrate(\n object: any,\n cleaned: Array<Array<string | number>>,\n unserializable: Array<Array<string | number>>,\n): Object {\n cleaned.forEach((path: Array<string | number>) => {\n const length = path.length;\n const last = path[length - 1];\n const parent = getInObject(object, path.slice(0, length - 1));\n if (!parent || !parent.hasOwnProperty(last)) {\n return;\n }\n const value = parent[last];\n if (!value) {\n return;\n } else if (value.type === 'infinity') {\n parent[last] = Infinity;\n } else if (value.type === 'nan') {\n parent[last] = NaN;\n } else if (value.type === 'undefined') {\n parent[last] = undefined;\n } else {\n // Replace the string keys with Symbols so they're non-enumerable.\n const replaced: {[key: Symbol]: boolean | string, ...} = {};\n replaced[meta.inspectable] = !!value.inspectable;\n replaced[meta.inspected] = false;\n replaced[meta.name] = value.name;\n replaced[meta.preview_long] = value.preview_long;\n replaced[meta.preview_short] = value.preview_short;\n replaced[meta.size] = value.size;\n replaced[meta.readonly] = !!value.readonly;\n replaced[meta.type] = value.type;\n\n parent[last] = replaced;\n }\n });\n unserializable.forEach((path: Array<string | number>) => {\n const length = path.length;\n const last = path[length - 1];\n const parent = getInObject(object, path.slice(0, length - 1));\n if (!parent || !parent.hasOwnProperty(last)) {\n return;\n }\n const node = parent[last];\n const replacement = {\n ...node,\n };\n upgradeUnserializable(replacement, node);\n parent[last] = replacement;\n });\n return object;\n }\n\n export function upgradeUnserializable(destination: Object, source: Object) {\n Object.defineProperties(destination, {\n [meta.inspected]: {\n configurable: true,\n enumerable: false,\n value: !!source.inspected,\n },\n [meta.name]: {\n configurable: true,\n enumerable: false,\n value: source.name,\n },\n [meta.preview_long]: {\n configurable: true,\n enumerable: false,\n value: source.preview_long,\n },\n [meta.preview_short]: {\n configurable: true,\n enumerable: false,\n value: source.preview_short,\n },\n [meta.size]: {\n configurable: true,\n enumerable: false,\n value: source.size,\n },\n [meta.readonly]: {\n configurable: true,\n enumerable: false,\n value: !!source.readonly,\n },\n [meta.type]: {\n configurable: true,\n enumerable: false,\n value: source.type,\n },\n [meta.unserializable]: {\n configurable: true,\n enumerable: false,\n value: !!source.unserializable,\n },\n });\n delete destination.inspectable;\n delete destination.name;\n delete destination.preview_long;\n delete destination.preview_short;\n delete destination.size;\n delete destination.readonly;\n delete destination.type;\n delete destination.unserializable;\n }\n }\n\n /**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\n *****\n * This file is forked between different DevTools implementations.\n * It should

```

```

never be imported directly!\n * It should always be imported from \"react-devtools-feature-flags\".\n
*****\n\nexport const
consoleManagedByDevToolsDuringStrictMode = false;\nexport const enableLogger = false;\nexport const
enableNamedHooksFeature = true;\nexport const enableProfilerChangedHookIndices = true;\nexport const
enableStyleXFeatures = false;\nexport const isInternalFacebookBuild =
false;\n\n/*****\n * Do not edit
the code below.\n * It ensures this fork exports the same types as the default flags file.\n
*****\n\nimport typeof * as
FeatureFlagsType from './DevToolsFeatureFlags.default';\nimport typeof * as ExportsType from
'./DevToolsFeatureFlags.core-oss';\n\n// eslint-disable-next-line no-unused-vars\ntype Check<_X, Y: _X, X: Y =
_X> = null;\n// eslint-disable-next-line no-unused-expressions\n(null:
Check<ExportsType, FeatureFlagsType>);\n", "var g;\n\n// This works in non-strict mode\ng = (function()
{\n\treturn this;\n})();\n\ntry {\n\t// This works if eval is allowed (see CSP)\n\tg = g || new Function(\"return
this\");\n} catch (e) {\n\t// This works if the window reference is available\n\tif (typeof window === \"object\") g =
window;\n}\n\n// g can still be undefined, but nothing to do about it... We return undefined, instead of nothing
here, so it's\n// easier to handle this case. if(!global) { ...}\n\nmodule.exports = g;\n", "/**\n * lodash (Custom Build)
<https://lodash.com/>\n * Build: `lodash modularize exports=\"npm\" -o .`\n * Copyright jQuery Foundation and
other contributors <https://jquery.org/>\n * Released under MIT license <https://lodash.com/license>\n * Based on
Underscore.js 1.8.3 <http://underscorejs.org/LICENSE>\n * Copyright Jeremy Ashkenas, DocumentCloud and
Investigative Reporters & Editors\n */\n\n/** Used as the `TypeError`
message for \"Functions\" methods. */\nvar FUNC_ERROR_TEXT = 'Expected a function';\n\n/** Used as
references for various `Number` constants. */\nvar NAN = 0 / 0;\n\n/** `Object#toString` result references. */\nvar
symbolTag = '[object Symbol]';\n\n/** Used to match leading and trailing whitespace. */\nvar reTrim =
/^\s+|\s+$/g;\n\n/** Used to detect bad signed hexadecimal string values. */\nvar reIsBadHex = /^[-+]0x[0-9a-
f]+$/i;\n\n/** Used to detect binary string values. */\nvar reIsBinary = /^0b[01]+$/i;\n\n/** Used to detect octal
string values. */\nvar reIsOctal = /^0o[0-7]+$/i;\n\n/** Built-in method references without a dependency on `root` .
*/\nvar freeParseInt = parseInt;\n\n/** Detect free variable `global` from Node.js. */\nvar freeGlobal = typeof global
=== 'object' && global && global.Object === Object && global;\n\n/** Detect free variable `self` . */\nvar freeSelf =
typeof self === 'object' && self && self.Object === Object && self;\n\n/** Used as a reference to the global
object. */\nvar root = freeGlobal || freeSelf || Function('return this')();\n\n/** Used for built-in method references.
*/\nvar objectProto = Object.prototype;\n\n/**\n * Used to resolve the\n * `[toStringTag]` (http://ecma-
international.org/ecma-262/7.0/#sec-object.prototype.tostring)\n * of values.\n */\nvar objectToString =
objectProto.toString;\n\n/** Built-in method references for those with the same name as other `lodash` methods.
*/\nvar nativeMax = Math.max,\n nativeMin = Math.min;\n\n/**\n * Gets the timestamp of the number of
milliseconds that have elapsed since\n * the Unix epoch (1 January 1970 00:00:00 UTC).\n */\n * @static\n *
@memberOf _\n * @since 2.4.0\n * @category Date\n * @returns {number} Returns the timestamp.\n *
@example\n */\n * _defer(function(stamp) {\n * console.log(_.now() - stamp);\n * }, _.now());\n * // => Logs the
number of milliseconds it took for the deferred invocation.\n */\nvar now = function() {\n return
root.Date.now();\n};\n\n/**\n * Creates
a debounced function that delays invoking `func` until after `wait` milliseconds have elapsed since the last time
the debounced function was\n * invoked. The debounced function comes with a `cancel` method to cancel\n *
delayed `func` invocations and a `flush` method to immediately invoke them.\n * Provide `options` to indicate
whether `func` should be invoked on the\n * leading and/or trailing edge of the `wait` timeout. The `func` is
invoked\n * with the last arguments provided to the debounced function. Subsequent\n * calls to the debounced
function return the result of the last `func`\n * invocation.\n */\n * **Note:** If `leading` and `trailing` options are
`true`, `func` is\n * invoked on the trailing edge of the timeout only if the debounced function\n * is invoked more
than once during the `wait` timeout.\n * If `wait` is `0` and `leading` is `false`, `func` invocation is deferred\n *
until to the next tick, similar to `setTimeout` with a timeout of `0`.\n * See

```



```
[David Corbacho's article](https://css-tricks.com/debouncing-throttling-explained-examples/)\n * for details over the differences between `_.debounce` and `_.throttle`.\n\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Function\n * @param {Function} func The function to debounce.\n * @param {number} [wait=0] The number of milliseconds to delay.\n * @param {Object} [options={}] The options object.\n * @param {boolean} [options.leading=false]\n * Specify invoking on the leading edge of the timeout.\n * @param {number} [options.maxWait]\n * The maximum time `func` is allowed to be delayed before it's invoked.\n * @param {boolean} [options.trailing=true]\n * Specify invoking on the trailing edge of the timeout.\n * @returns {Function}\n Returns the new debounced function.\n * @example\n * // Avoid costly calculations while the window size is in flux.\n * jQuery(window).on('resize', _.debounce(calculateLayout, 150));\n * // Invoke `sendMail` when clicked, debouncing subsequent calls.\n * jQuery(element).on('click', _.debounce(sendMail, 300, {\n * 'leading': true,\n * 'trailing': false\n * }));\n * // Ensure `batchLog` is invoked once after 1 second of debounced calls.\n * var debounced = _.debounce(batchLog, 250, {\n * 'maxWait': 1000\n * });\n * var source = new EventSource('/stream');\n * jQuery(source).on('message', debounced);\n * // Cancel the trailing debounced invocation.\n * jQuery(window).on('popstate', debounced.cancel);\n */\nfunction debounce(func, wait, options) {\n var lastArgs,\n lastThis,\n maxWait,\n result,\n timerId,\n lastCallTime,\n lastInvokeTime = 0,\n leading = false,\n maxing = false,\n trailing = true;\n\n if (typeof func != 'function') {\n throw new TypeError(FUNC_ERROR_TEXT);\n }\n wait = toNumber(wait) || 0;\n if (isObject(options)) {\n leading = !!options.leading;\n maxing = 'maxWait' in options;\n maxWait = maxing ? nativeMax(toNumber(options.maxWait) || 0, wait) : maxWait;\n trailing = 'trailing' in options ? !!options.trailing : trailing;\n }\n\n function invokeFunc(time) {\n var args = lastArgs,\n thisArg = lastThis;\n\n lastArgs = lastThis = undefined;\n lastInvokeTime = time;\n result = func.apply(thisArg, args);\n return result;\n }\n\n function leadingEdge(time) {\n // Reset any `maxWait` timer.\n lastInvokeTime = time;\n // Start the timer for the trailing edge.\n timerId = setTimeout(timerExpired, wait);\n // Invoke the leading edge.\n return leading ? invokeFunc(time) : result;\n }\n\n function remainingWait(time) {\n var timeSinceLastCall = time - lastCallTime,\n timeSinceLastInvoke = time - lastInvokeTime,\n result = wait - timeSinceLastCall;\n\n return maxing ? nativeMin(result, maxWait - timeSinceLastInvoke) : result;\n }\n\n function shouldInvoke(time) {\n var timeSinceLastCall = time - lastCallTime,\n timeSinceLastInvoke = time - lastInvokeTime;\n\n // Either this is the first call, activity has stopped and we're at the\n // trailing edge, the system time has gone backwards and we're treating\n // it as the trailing edge, or we've hit the `maxWait` limit.\n return (lastCallTime === undefined || (timeSinceLastCall >= wait) ||\n (timeSinceLastCall < 0) || (maxing && timeSinceLastInvoke >= maxWait));\n }\n\n function timerExpired() {\n var time = now();\n if (shouldInvoke(time)) {\n return trailingEdge(time);\n }\n // Restart the timer.\n timerId = setTimeout(timerExpired, remainingWait(time));\n }\n\n function trailingEdge(time) {\n timerId = undefined;\n\n // Only invoke if we have `lastArgs` which means\n // `func` has been\n // debounced at least once.\n if (trailing && lastArgs) {\n return invokeFunc(time);\n }\n lastArgs = lastThis = undefined;\n return result;\n }\n\n function cancel() {\n if (timerId !== undefined) {\n clearTimeout(timerId);\n }\n\n lastInvokeTime = 0;\n lastArgs = lastCallTime = lastThis = timerId = undefined;\n }\n\n function flush() {\n return timerId === undefined ? result : trailingEdge(now());\n }\n\n function debounced() {\n var time = now(),\n isInvoking = shouldInvoke(time);\n\n lastArgs = arguments;\n lastThis = this;\n lastCallTime = time;\n\n if (isInvoking) {\n if (timerId === undefined) {\n return leadingEdge(lastCallTime);\n }\n if (maxing) {\n // Handle invocations in a tight loop.\n timerId = setTimeout(timerExpired, wait);\n return invokeFunc(lastCallTime);\n }\n if (timerId === undefined) {\n timerId =\n setTimeout(timerExpired, wait);\n }\n return result;\n }\n debounced.cancel = cancel;\n debounced.flush = flush;\n return debounced;\n }\n\n /**\n * Creates a throttled function that only invokes `func` at most once per\n * every `wait` milliseconds. The throttled function comes with a
```

`cancel` method to cancel delayed `func` invocations and a `flush` method to immediately invoke them. Provide `options` to indicate whether `func` should be invoked on the leading and/or trailing edge of the `wait` timeout. The `func` is invoked with the last arguments provided to the throttled function. Subsequent calls to the throttled function return the result of the last `func` invocation.

**Note:** If `leading` and `trailing` options are `true`, `func` is invoked on the trailing edge of the timeout only if the throttled function is invoked more than once during the `wait` timeout. If `wait` is `0` and `leading` is `false`, `func` invocation is deferred until the next tick, similar to `setTimeout` with a timeout of `0`. See [David Corbacho's article](https://css-tricks.com/debouncing-throttling-explained-examples/) for details over the differences between `\_.throttle` and `\_.debounce`.

```

_.throttle = function(func, wait, options) {
 var leading = true, trailing = true;
 if (!options || !('leading' in options)) leading = true;
 if (!options || !('trailing' in options)) trailing = true;

 function throttled(thisArg, args, timeLeft) {
 if (!timeLeft) {
 func.apply(thisArg, args);
 timeLeft = wait;
 } else {
 timeLeft -= 1;
 }
 if (!timeLeft) {
 func.apply(thisArg, args);
 timeLeft = wait;
 }
 }

 return function(thisArg, args) {
 return throttled(thisArg, args, wait);
 };
};

// Avoid excessively updating the position while scrolling
jQuery(window).on('scroll', _.throttle(updatePosition, 100));

// Invoke `renewToken` when the click event is fired, but not more than once every 5 minutes.
var throttled = _.throttle(renewToken, 300000, { 'trailing': false });
jQuery(element).on('click', throttled);

// Cancel the trailing throttled invocation
jQuery(window).on('popstate', throttled.cancel);

// Returns the new throttled function
function throttle(func, wait, options) {
 var leading = true, trailing = true;
 if (!options || !('leading' in options)) leading = true;
 if (!options || !('trailing' in options)) trailing = true;

 function throttled(thisArg, args, timeLeft) {
 if (!timeLeft) {
 func.apply(thisArg, args);
 timeLeft = wait;
 } else {
 timeLeft -= 1;
 }
 if (!timeLeft) {
 func.apply(thisArg, args);
 timeLeft = wait;
 }
 }

 return function(thisArg, args) {
 return throttled(thisArg, args, wait);
 };
};

// Checks if `value` is the language type of `Object`. (e.g. arrays, functions, objects, regexes, `new Number(0)`, and `new String('')`)
_.isObject = function(value) {
 return !!value;
};

// Checks if `value` is object-like. A value is object-like if it's not `null` and has a `typeof` result of "object".
_.isObjectLike = function(value) {
 return !!value;
};

// Checks if `value` is classified as a `Symbol` primitive or object.
_.isSymbol = function(value) {
 return !!value;
};

// Converts `value` to a number.
_.toNumber = function(value) {
 return value;
};

// Returns the number.
_.toNumber(3.2); // 3.2
_.toNumber(Number.MIN_VALUE); // 5e-324
_.toNumber(Infinity); // Infinity
_.toNumber('3.2'); // 3.2
function toNumber(value) {
 if (typeof value == 'number') {
 return value;
 }
 if (isSymbol(value)) {
 return NaN;
 }
 if (isObject(value)) {
 var other = typeof value.valueOf() == 'function' ? value.valueOf() : value;
 value = isObject(other) ? (other + '') : other;
 }
 if (typeof value != 'string') {
 return value === 0 ? value : +value;
 }
 value = value.replace(reTrim, '');
 var isBinary = reIsBinary.test(value);
 return (isBinary || reIsOctal.test(value)) ? freeParseInt(value.slice(2), isBinary ? 2 :

```

```

8)\n : (reIsBadHex.test(value) ? NAN : +value);\n}\n\nmodule.exports = throttle;\n", "/*\n * Copyright (c)
Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n *\n * inlined Object.is polyfill to
avoid requiring consumers ship their own\n * https://developer.mozilla.org/en-
US/docs/Web/JavaScript/Reference/Global_Objects/Object/is\n */\nfunction is(x: any, y: any) {\n return (\n (x
=== y && (x !== 0 || 1 / x === 1 / y)) || (x !== x && y !== y) // eslint-disable-line no-self-compare\n);\n}\n\nconst
objectIs: (x: any, y: any) => boolean =\n typeof Object.is === 'function' ? Object.is : is;\n\nexport default
objectIs;\n", "/*\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nconst
hasOwnProperty = Object.prototype.hasOwnProperty;\n\nexport default hasOwnProperty;\n", "/*\n * Copyright (c)
Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {StyleXPlugin} from
'react-devtools-shared/src/types';\nimport isArray from 'react-devtools-shared/src/isArray';\n\nconst
cachedStyleNameToValueMap: Map<string, string> = new Map();\n\nexport function getStyleXData(data: any):
StyleXPlugin {\n const sources = new Set();\n const resolvedStyles = {};\n\n crawlData(data, sources,
resolvedStyles);\n\n return {\n sources: Array.from(sources).sort(),\n resolvedStyles,\n };}\n\nexport function
crawlData(\n data: any,\n sources: Set<string>,\n resolvedStyles: Object,\n): void {\n if (data == null) {\n
return;\n }\n\n if (isArray(data)) {\n data.forEach(entry => {\n if (entry == null) {\n return;\n }\n\n if (isArray(entry)) {\n crawlData(entry, sources, resolvedStyles);\n } else {\n
crawlObjectProperties(entry, sources, resolvedStyles);\n }\n });\n } else {\n crawlObjectProperties(data,
sources, resolvedStyles);\n }\n\n resolvedStyles = Object.fromEntries<string, any>(\n
Object.entries(resolvedStyles).sort(),\n);\n}\n\nfunction crawlObjectProperties(\n entry: Object,\n sources:
Set<string>,\n resolvedStyles: Object,\n): void {\n const keys = Object.keys(entry);\n keys.forEach(key => {\n
const value = entry[key];\n if (typeof value === 'string') {\n if (key === value) {\n // Special case; this key
is the name of the style's source/file/module.\n sources.add(key);\n } else
{\n resolvedStyles[key] = getPropertyValueForStyleName(value);\n }\n } else {\n const nestedStyle =
{};\n resolvedStyles[key] = nestedStyle;\n crawlData([value], sources, nestedStyle);\n }\n
});\n}\n\nfunction getPropertyValueForStyleName(styleName: string): string | null {\n if
(cachedStyleNameToValueMap.has(styleName)) {\n return ((cachedStyleNameToValueMap.get(styleName):
any): string);\n }\n\n for (\n let styleSheetIndex = 0;\n styleSheetIndex < document.styleSheets.length;\n
styleSheetIndex++\n) {\n const styleSheet = ((document.styleSheets[\n styleSheetIndex\n]: any):
CSSStyleSheet);\n // $FlowFixMe Flow doesn't know about these properties\n const rules = styleSheet.rules ||
styleSheet.cssRules;\n for (let ruleIndex = 0; ruleIndex < rules.length; ruleIndex++) {\n const rule =
rules[ruleIndex];\n // $FlowFixMe Flow doesn't know about these properties\n const {cssText, selectorText,
style} = rule;\n\n if (selectorText != null) {\n if (selectorText.startsWith(`.${styleName}`)) {\n const match =
cssText.match(/ *([a-z\\-]+):/);\n if (match != null) {\n const property = match[1];\n const
value = style.getPropertyValue(property);\n cachedStyleNameToValueMap.set(styleName, value);\n
return value;\n } else {\n return null;\n }\n }\n }\n }\n\n return null;\n}\n\n", "/*\n *
Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the MIT license found in
the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport {\n
COMFORTABLE_LINE_HEIGHT,\n COMPACT_LINE_HEIGHT,\n} from 'react-devtools-
shared/src/constants.js';\n\nexport const REACT_TOTAL_NUM_LANES = 31;\n\n// Increment this number any
time a backwards breaking change is made to the profiler metadata.\nexport const
SCHEDULING_PROFILER_VERSION
= 1;\n\nexport const SNAPSHOT_MAX_HEIGHT = 60;\n", "/*\n * Copyright (c) Facebook, Inc. and its
affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n *\n * @flow\n */\n\nimport type {\n Lane,\n Lanes,\n DevToolsProfilingHooks,\n}

```

```

from 'react-devtools-shared/src/backend/types';\nimport type {Fiber} from 'react-
reconciler/src/ReactInternalTypes';\nimport type {Wakeable} from 'shared/ReactTypes';\nimport type {\n
BatchUID,\n LaneToLabelMap,\n ReactComponentMeasure,\n ReactMeasure,\n ReactMeasureType,\n
TimelineData,\n SuspenseEvent,\n} from 'react-devtools-timeline/src/types';\n\nimport isArray from
'shared/isArray';\nimport {\n REACT_TOTAL_NUM_LANES,\n SCHEDULING_PROFILER_VERSION,\n}
from 'react-devtools-timeline/src/constants';\n\n// Add padding to the start/stop time of the profile.\n// This makes
the UI nicer to use.\nconst TIME_OFFSET = 10;\n\nlet performanceTarget: Performance
| null = null;\n\n// If performance exists and supports the subset of the User Timing API that we require.\nlet
supportsUserTiming =\n typeof performance !== 'undefined' &&\n typeof performance.mark === 'function' &&\n
 typeof performance.clearMarks === 'function';\n\nlet supportsUserTimingV3 = false;\nif (supportsUserTiming) {\n
 const CHECK_V3_MARK = '__v3';\n const markOptions = {};\n // $FlowFixMe: Ignore Flow complaining about
needing a value\n Object.defineProperty(markOptions, 'startTime', {\n get: function() {\n
 supportsUserTimingV3 = true;\n return 0;\n },\n set: function() {},\n });\n try {\n // $FlowFixMe: Flow
expects the User Timing level 2 API.\n performance.mark(CHECK_V3_MARK, markOptions);\n } catch (error) {\n
 // Ignore\n } finally {\n performance.clearMarks(CHECK_V3_MARK);\n }\n}\n\nif
(supportsUserTimingV3) {\n performanceTarget = performance;\n}\n\n// Some environments (e.g. React Native /
Hermes) don't support the performance
API yet.\nconst getCurrentTime =\n typeof performance === 'object' && typeof performance.now === 'function'\n ? () => performance.now()\n : () => Date.now();\n\n// Mocking the Performance Object (and User Timing APIs)
for testing is fragile.\n// This API allows tests to directly override the User Timing APIs.\nexport function
setPerformanceMock_ONLY_FOR_TESTING(\n performanceMock: Performance | null,\n) {\n
 performanceTarget = performanceMock;\n supportsUserTiming = performanceMock !== null;\n
 supportsUserTimingV3 = performanceMock !== null;\n}\n\nexport type GetTimelineData = () => TimelineData |
null;\nexport type ToggleProfilingStatus = (value: boolean) => void;\n\ntype Response = {\n getTimelineData:
GetTimelineData,\n profilingHooks: DevToolsProfilingHooks,\n toggleProfilingStatus:
ToggleProfilingStatus,\n};\n\nexport function createProfilingHooks({\n getDisplayNameForFiber,\n
getIsProfiling,\n getLaneLabelMap,\n reactVersion,\n}): {\n getDisplayNameForFiber:
(fiber: Fiber) => string | null,\n getIsProfiling: () => boolean,\n getLaneLabelMap?: () => Map<Lane, string> |
null,\n reactVersion: string,\n}): Response {\n let currentBatchUID: BatchUID = 0;\n let
currentReactComponentMeasure: ReactComponentMeasure | null = null;\n let currentReactMeasuresStack:
Array<ReactMeasure> = [];\n let currentTimelineData: TimelineData | null = null;\n let isProfiling: boolean =
false;\n let nextRenderShouldStartNewBatch: boolean = false;\n\n function getRelativeTime() {\n const
currentTime = getCurrentTime();\n\n if (currentTimelineData) {\n if (currentTimelineData.startTime === 0) {\n
 currentTimelineData.startTime = currentTime - TIME_OFFSET;\n }\n\n return currentTime -
currentTimelineData.startTime;\n }\n\n return 0;\n }\n\n function getInternalModuleRanges() {\n /* global
__REACT_DEVTOOLS_GLOBAL_HOOK__ */\n if (\n typeof
__REACT_DEVTOOLS_GLOBAL_HOOK__ !== 'undefined' &&\n typeof
__REACT_DEVTOOLS_GLOBAL_HOOK__.getInternalModuleRanges
===\n 'function'\n) {\n // Ask the DevTools hook for module ranges that may have been reported by the
current renderer(s).\n // Don't do this eagerly like the laneToLabelMap,\n // because some modules might not
yet have registered their boundaries when the renderer is injected.\n const ranges =
__REACT_DEVTOOLS_GLOBAL_HOOK__.getInternalModuleRanges();\n\n // This check would not be
required,\n // except that it's possible for things to override __REACT_DEVTOOLS_GLOBAL_HOOK__.\n
if (isArray(ranges)) {\n return ranges;\n }\n\n return null;\n }\n\n function getTimelineData():
TimelineData | null {\n return currentTimelineData;\n }\n\n function laneToLanesArray(lanes: Lane) {\n const
lanesArray = [];\n let lane = 1;\n for (let index = 0; index < REACT_TOTAL_NUM_LANES; index++) {\n
 if (lane & lanes) {\n lanesArray.push(lane);\n }\n

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 lane *= 2;\n }\n\n return lanesArray;\n }\n\n const laneToLabelMap: LaneToLabelMap | null =\n typeof\n getLaneLabelMap === 'function' ? getLaneLabelMap() : null;\n\n function markMetadata() {\n markAndClear(`--\n    react-version-${reactVersion}`);\n markAndClear(`--profiler-version-\n    ${SCHEDULING_PROFILER_VERSION}`);\n\n const ranges = getInternalModuleRanges();\n if (ranges) {\n for (let i = 0; i < ranges.length; i++) {\n const range = ranges[i];\n if (isArray(range) && range.length ===\n 2) {\n const [startStackFrame, stopStackFrame] = ranges[i];\n markAndClear(`--react-internal-module-\n          start-${startStackFrame}`);\n markAndClear(`--react-internal-module-stop-${stopStackFrame}`);\n }\n }\n\n if (laneToLabelMap != null) {\n const labels = Array.from(laneToLabelMap.values()).join(',');\n markAndClear(`--react-lane-labels-${labels}`);\n }\n }\n\n function markAndClear(markName) {\n // This\n method won't be called unless these functions are defined, so we can skip the extra typeof check.\n ((performanceTarget: any): Performance).mark(markName);\n ((performanceTarget: any):\n Performance).clearMarks(markName);\n }\n\n function recordReactMeasureStarted(\n type:\n ReactMeasureType,\n lanes: Lanes,\n): void {\n // Decide what depth this work should be rendered at, based on\n what's on the top of the stack.\n // It's okay to render over top of "idle" work but everything else should be on its\n own row.\n let depth = 0;\n if (currentReactMeasuresStack.length > 0) {\n const top =\n currentReactMeasuresStack[currentReactMeasuresStack.length - 1];\n depth = top.type === 'render-idle' ?\n top.depth : top.depth + 1;\n }\n\n const lanesArray = laneToLanesArray(lanes);\n const reactMeasure:\n ReactMeasure = {\n type,\n batchUID: currentBatchUID,\n depth,\n lanes: lanesArray,\n timestamp:\n getRelativeTime(),\n duration: 0,\n };\n\n currentReactMeasuresStack.push(reactMeasure);\n\n if (currentTimelineData) {\n const {\n batchUIDToMeasuresMap,\n laneToReactMeasureMap,\n } = currentTimelineData;\n let\n reactMeasures = batchUIDToMeasuresMap.get(currentBatchUID);\n if (reactMeasures != null) {\n reactMeasures.push(reactMeasure);\n } else {\n batchUIDToMeasuresMap.set(currentBatchUID,\n [reactMeasure]);\n }\n\n lanesArray.forEach(lane => {\n reactMeasures =\n laneToReactMeasureMap.get(lane);\n if (reactMeasures) {\n reactMeasures.push(reactMeasure);\n }\n });\n }\n\n function recordReactMeasureCompleted(type: ReactMeasureType): void {\n const\n currentTime = getRelativeTime();\n if (currentReactMeasuresStack.length === 0) {\n console.error(`\n 'Unexpected type \"${type}\" completed at %sms while currentReactMeasuresStack is empty.',\n type,\n currentTime,\n);\n }\n\n // Ignore work "completion" user timing mark that doesn't complete anything\n return;\n }\n\n const top = currentReactMeasuresStack.pop();\n if (top.type !== type) {\n console.error(`\n 'Unexpected\n type \"${type}\" completed at %sms before \"${type}\" completed.',\n type,\n currentTime,\n top.type,\n);\n }\n\n // $FlowFixMe This property should not be writable outside of this function.\n top.duration = currentTime\n - top.timestamp;\n\n if (currentTimelineData) {\n currentTimelineData.duration = getRelativeTime() +\n TIME_OFFSET;\n }\n }\n\n function markCommitStarted(lanes: Lanes): void {\n if (isProfiling) {\n recordReactMeasureStarted('commit', lanes);\n // TODO (timeline) Re-think this approach to "batching"; I\n don't think it works for Suspense or pre-rendering.\n // This issue applies to the User Timing data also.\n nextRenderShouldStartNewBatch = true;\n }\n\n if (supportsUserTimingV3)\n {\n markAndClear(`--commit-start-${lanes}`);\n // Some metadata only needs to be logged once per\n session,\n // but if profiling information is being recorded via the Performance tab,\n // DevTools has no way\n of knowing when the recording starts.\n // Because of that, we log this type of data periodically (once per\n commit).\n markMetadata();\n }\n }\n\n function markCommitStopped(): void {\n if (isProfiling) {\n recordReactMeasureCompleted('commit');\n recordReactMeasureCompleted('render-idle');\n }\n\n if\n (supportsUserTimingV3) {\n markAndClear(`--commit-stop`);\n }\n }\n\n function\n markComponentRenderStarted(fiber: Fiber): void {\n if (isProfiling || supportsUserTimingV3) {\n const\n componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n if (isProfiling) {\n // TODO (timeline)\n Record and cache component stack\n if (isProfiling) {\n currentReactComponentMeasure = {\n
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 componentName,\n duration: 0,\n timestamp: getRelativeTime(),\n type: 'render',\n warning: null,\n };\n }\n }\n }\n if (supportsUserTimingV3) {\n markAndClear('--component-render-start-${componentName}');\n }\n }\n }\n }\n function markComponentRenderStopped(): void {\n if (isProfiling) {\n if (currentReactComponentMeasure) {\n if (currentTimelineData) {\n currentTimelineData.componentMeasures.push(\n currentReactComponentMeasure,\n);\n }\n currentReactComponentMeasure.duration =\n getRelativeTime() -\n currentReactComponentMeasure.timestamp;\n currentReactComponentMeasure = null;\n }\n }\n }\n if (supportsUserTimingV3) {\n markAndClear('--component-render-stop');\n }\n }\n }\n function markComponentLayoutEffectMountStarted(fiber: Fiber): void {\n if (isProfiling || supportsUserTimingV3) {\n const\n componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n if (isProfiling) {\n // TODO (timeline) Record and cache component stack\n }\n if (isProfiling) {\n currentReactComponentMeasure = {\n componentName,\n duration: 0,\n timestamp: getRelativeTime(),\n type: 'layout-effect-mount',\n warning: null,\n };\n }\n }\n if (supportsUserTimingV3) {\n markAndClear('--component-layout-effect-mount-start-${componentName}');\n }\n }\n }\n }\n function markComponentLayoutEffectMountStopped(): void {\n if (isProfiling) {\n if (currentReactComponentMeasure) {\n if (currentTimelineData) {\n currentTimelineData.componentMeasures.push(\n currentReactComponentMeasure,\n);\n }\n currentReactComponentMeasure.duration =\n getRelativeTime() -\n currentReactComponentMeasure.timestamp;\n currentReactComponentMeasure\n = null;\n }\n }\n }\n }\n if (supportsUserTimingV3) {\n markAndClear('--component-layout-effect-mount-stop');\n }\n }\n }\n }\n function markComponentLayoutEffectUnmountStarted(fiber: Fiber): void {\n if (isProfiling || supportsUserTimingV3) {\n const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n if (isProfiling) {\n // TODO (timeline) Record and cache component stack\n }\n if (isProfiling) {\n currentReactComponentMeasure = {\n componentName,\n duration: 0,\n timestamp: getRelativeTime(),\n type: 'layout-effect-unmount',\n warning: null,\n };\n }\n }\n }\n }\n }\n }\n if (supportsUserTimingV3) {\n markAndClear(\n '--component-layout-effect-unmount-start-${componentName}',\n);\n }\n }\n }\n }\n function markComponentLayoutEffectUnmountStopped(): void {\n if (isProfiling) {\n if (currentReactComponentMeasure) {\n if (currentTimelineData) {\n currentTimelineData.componentMeasures.push(\n currentReactComponentMeasure,\n);\n }\n currentReactComponentMeasure.duration =\n getRelativeTime() -\n currentReactComponentMeasure.timestamp;\n currentReactComponentMeasure = null;\n }\n }\n }\n }\n }\n }\n if (supportsUserTimingV3) {\n markAndClear('--component-layout-effect-unmount-stop');\n }\n }\n }\n }\n function markComponentPassiveEffectMountStarted(fiber: Fiber): void {\n if (isProfiling || supportsUserTimingV3) {\n const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n if (isProfiling) {\n // TODO (timeline) Record and cache component stack\n }\n if (isProfiling) {\n currentReactComponentMeasure = {\n componentName,\n duration: 0,\n timestamp: getRelativeTime(),\n type: 'passive-effect-mount',\n warning: null,\n };\n }\n }\n }\n }\n }\n }\n if (supportsUserTimingV3) {\n markAndClear('--component-passive-effect-mount-start-${componentName}');\n }\n }\n }\n }\n function markComponentPassiveEffectMountStopped(): void {\n if (isProfiling) {\n if (currentReactComponentMeasure) {\n if (currentTimelineData) {\n currentTimelineData.componentMeasures.push(\n currentReactComponentMeasure,\n);\n }\n currentReactComponentMeasure.duration =\n getRelativeTime() -\n currentReactComponentMeasure.timestamp;\n currentReactComponentMeasure = null;\n }\n }\n }\n }\n }\n }\n if (supportsUserTimingV3) {\n markAndClear('--component-passive-effect-mount-stop');\n }\n }\n }\n }\n function markComponentPassiveEffectUnmountStarted(fiber: Fiber): void {\n if (isProfiling || supportsUserTimingV3) {\n const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n if (isProfiling) {\n // TODO (timeline) Record and

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cache component stack\n if (isProfiling) {\n currentReactComponentMeasure = {\n
componentName,\n duration: 0,\n timestamp: getRelativeTime(),\n type: 'passive-effect-unmount',\n warning: null,\n }; \n } \n } \n if (supportsUserTimingV3) {\n
markAndClear(\n `--component-passive-effect-unmount-start-${componentName}`, \n); \n } \n } \n
}\n\n function markComponentPassiveEffectUnmountStopped(): void {\n if (isProfiling) {\n if
(currentReactComponentMeasure) {\n if (currentTimelineData) {\n
currentTimelineData.componentMeasures.push(\n currentReactComponentMeasure, \n); \n } \n } \n
currentReactComponentMeasure.duration = \n getRelativeTime() -
currentReactComponentMeasure.timestamp; \n currentReactComponentMeasure = null; \n } \n } \n if
(supportsUserTimingV3) {\n markAndClear(`--component-passive-effect-unmount-stop`); \n
 } \n } \n\n function markComponentErrored(\n fiber: Fiber, \n thrownValue: mixed, \n lanes: Lanes, \n): void
{\n if (isProfiling || supportsUserTimingV3) {\n const componentName = getDisplayNameForFiber(fiber) ||
'Unknown'; \n const phase = fiber.alternate === null ? 'mount' : 'update'; \n let message = ''; \n if (\n
thrownValue !== null && \n typeof thrownValue === 'object' && \n typeof thrownValue.message ===
'string' \n) {\n message = thrownValue.message; \n } else if (typeof thrownValue === 'string') {\n
message = thrownValue; \n } \n if (isProfiling) {\n // TODO (timeline) Record and cache component
stack \n if (currentTimelineData) {\n currentTimelineData.thrownErrors.push({\n
componentName, \n message, \n phase, \n timestamp: getRelativeTime(), \n type: 'thrown-
error', \n }); \n
 } \n } \n if (supportsUserTimingV3) {\n markAndClear(`--error-${componentName}-${phase}-
${message}`); \n } \n } \n\n const PossiblyWeakMap = typeof WeakMap === 'function' ? WeakMap :
Map; \n\n // $FlowFixMe: Flow cannot handle polymorphic WeakMaps \n const wakeableIDs:
WeakMap<Wakeable, number> = new PossiblyWeakMap(); \n let wakeableID: number = 0; \n function
getWakeableID(wakeable: Wakeable): number {\n if (!wakeableIDs.has(wakeable)) {\n
wakeableIDs.set(wakeable, wakeableID++); \n } \n return ((wakeableIDs.get(wakeable): any): number); \n } \n\n
function markComponentSuspended(\n fiber: Fiber, \n wakeable: Wakeable, \n lanes: Lanes, \n): void {\n if
(isProfiling || supportsUserTimingV3) {\n const eventType = wakeableIDs.has(wakeable) ? 'resume' :
'suspend'; \n const id = getWakeableID(wakeable); \n const componentName = getDisplayNameForFiber(fiber)
|| 'Unknown'; \n const phase = fiber.alternate === null
? 'mount' : 'update'; \n // Following the non-standard fn.displayName convention, \n // frameworks like Relay
may also annotate Promises with a displayName, \n // describing what operation/data the thrown Promise is
related to. \n // When this is available we should pass it along to the Timeline. \n const displayName =
(wakeable: any).displayName || ''; \n let suspenseEvent: SuspenseEvent | null = null; \n if (isProfiling) {\n
// TODO (timeline) Record and cache component stack \n suspenseEvent = {\n componentName, \n
depth: 0, \n duration: 0, \n id: `${id}`, \n phase, \n promiseName: displayName, \n
resolution: 'unresolved', \n timestamp: getRelativeTime(), \n type: 'suspense', \n warning: null, \n
 }; \n if (currentTimelineData) {\n currentTimelineData.suspenseEvents.push(suspenseEvent); \n } \n
 } \n if (supportsUserTimingV3) {\n \n markAndClear(\n `--suspense-${eventType}-${id}-${componentName}-${phase}-${lanes}-
${displayName}`, \n); \n } \n wakeable.then(\n () => {\n if (suspenseEvent) {\n
suspenseEvent.duration = \n getRelativeTime() - suspenseEvent.timestamp; \n
suspenseEvent.resolution = 'resolved'; \n } \n if (supportsUserTimingV3) {\n markAndClear(`--
suspense-resolved-${id}-${componentName}`); \n } \n }, \n () => {\n if (suspenseEvent) {\n
suspenseEvent.duration = \n getRelativeTime() - suspenseEvent.timestamp; \n
suspenseEvent.resolution = 'rejected'; \n } \n if (supportsUserTimingV3) {\n markAndClear(`--
suspense-rejected-${id}-${componentName}`); \n } \n }, \n); \n } \n\n function
markLayoutEffectsStarted(lanes: Lanes): void {\n if (isProfiling) {\n recordReactMeasureStarted('layout-
effects',

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lanes);\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--layout-effects-start-${lanes}`);\n }\n\n function markLayoutEffectsStopped(): void {\n if (isProfiling) {\n recordReactMeasureCompleted('layout-effects');\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--layout-effects-stop`);\n }\n }\n\n function markPassiveEffectsStarted(lanes: Lanes): void {\n if (isProfiling) {\n recordReactMeasureStarted('passive-effects', lanes);\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--passive-effects-start-${lanes}`);\n }\n }\n\n function markPassiveEffectsStopped(): void {\n if (isProfiling) {\n recordReactMeasureCompleted('passive-effects');\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--passive-effects-stop`);\n }\n }\n\n function markRenderStarted(lanes: Lanes): void {\n if (isProfiling) {\n if (nextRenderShouldStartNewBatch) {\n nextRenderShouldStartNewBatch = false;\n currentBatchUID++;\n }\n\n // If this is a new batch of work, wrap an "idle" measure around it.\n // Log it before the "render" measure to preserve the stack ordering.\n if (\n currentReactMeasuresStack.length === 0 ||\n currentReactMeasuresStack[currentReactMeasuresStack.length - 1].type !==\n 'render-idle'\n) {\n recordReactMeasureStarted('render-idle', lanes);\n }\n\n recordReactMeasureStarted('render', lanes);\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--render-start-${lanes}`);\n }\n }\n\n function markRenderYielded(): void {\n if (isProfiling) {\n recordReactMeasureCompleted('render');\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--render-yeild`);\n }\n }\n\n function markRenderStopped(): void {\n if (isProfiling) {\n recordReactMeasureCompleted('render');\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--render-stop`);\n }\n }\n\n function markRenderScheduled(lane: Lane): void {\n if (isProfiling) {\n if (currentTimelineData) {\n currentTimelineData.schedulingEvents.push({\n lanes: laneToLanesArray(lane),\n timestamp: getRelativeTime(),\n type: 'schedule-render',\n warning: null,\n });\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--schedule-render-${lane}`);\n }\n }\n }\n\n function markForceUpdateScheduled(fiber: Fiber, lane: Lane): void {\n if (isProfiling || supportsUserTimingV3) {\n const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n\n if (isProfiling) {\n // TODO (timeline) Record and cache component stack\n }\n\n if (currentTimelineData) {\n currentTimelineData.schedulingEvents.push({\n componentName,\n lanes: laneToLanesArray(lane),\n timestamp: getRelativeTime(),\n type: 'schedule-force-update',\n warning: null,\n });\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--schedule-forced-update-${lane}-${componentName}`);\n }\n }\n }\n\n function markStateUpdateScheduled(fiber: Fiber, lane: Lane): void {\n if (isProfiling || supportsUserTimingV3) {\n const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n\n if (isProfiling) {\n // TODO (timeline) Record and cache component stack\n }\n\n if (currentTimelineData) {\n currentTimelineData.schedulingEvents.push({\n componentName,\n lanes: laneToLanesArray(lane),\n timestamp: getRelativeTime(),\n type: 'schedule-state-update',\n warning: null,\n });\n }\n\n if (supportsUserTimingV3) {\n markAndClear(`--schedule-state-update-${lane}-${componentName}`);\n }\n }\n }\n\n function toggleProfilingStatus(value: boolean) {\n if (isProfiling !== value) {\n isProfiling = value;\n\n if (isProfiling) {\n const internalModuleSourceToRanges = new Map();\n\n if (supportsUserTimingV3) {\n const ranges = getInternalModuleRanges();\n\n if (ranges) {\n for (let i = 0; i < ranges.length; i++) {\n const range = ranges[i];\n\n if (isArray(range) && range.length === 2) {\n const [startStackFrame, stopStackFrame] = range[i];\n\n markAndClear(`--react-internal-module-start-${startStackFrame}`);\n\n markAndClear(`--react-internal-module-stop-${stopStackFrame}`);\n }\n }\n\n const laneToReactMeasureMap = new Map();\n\n let lane = 1;\n\n for (let index = 0; index < REACT_TOTAL_NUM_LANES; index++) {\n laneToReactMeasureMap.set(lane, []);\n\n lane *= 2;\n }\n\n currentBatchUID = 0;\n\n currentReactComponentMeasure = null;\n\n currentReactMeasuresStack = [];\n\n currentTimelineData = {\n // Session wide metadata; only collected once.\n internalModuleSourceToRanges,\n
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laneToLabelMap: laneToLabelMap || new Map(),\n reactVersion,\n\n // Data logged by React during
profiling session.\n componentMeasures: [],\n schedulingEvents: [],\n suspenseEvents: [],\n thrownErrors: [],\n\n // Data inferred based on what React logs.\n batchUIDToMeasuresMap: new
Map(),\n duration: 0,\n laneToReactMeasureMap,\n startTime: 0,\n\n // Data only available in
Chrome profiles.\n flamechart: [],\n nativeEvents: [],\n networkMeasures: [],\n
otherUserTimingMarks: [],\n snapshots: [],\n snapshotHeight: 0,\n });\n
nextRenderShouldStartNewBatch = true;\n }\n }\n }\n\n return {\n
 getTimelineData,\n profilingHooks: {\n markCommitStarted,\n markCommitStopped,\n
markComponentRenderStarted,\n markComponentRenderStopped,\n
markComponentPassiveEffectMountStarted,\n markComponentPassiveEffectMountStopped,\n
markComponentPassiveEffectUnmountStarted,\n markComponentPassiveEffectUnmountStopped,\n
markComponentLayoutEffectMountStarted,\n markComponentLayoutEffectMountStopped,\n
markComponentLayoutEffectUnmountStarted,\n markComponentLayoutEffectUnmountStopped,\n
markComponentErrored,\n markComponentSuspended,\n markLayoutEffectsStarted,\n
markLayoutEffectsStopped,\n markPassiveEffectsStarted,\n markPassiveEffectsStopped,\n
markRenderStarted,\n markRenderYielded,\n markRenderStopped,\n markRenderScheduled,\n
markForceUpdateScheduled,\n markStateUpdateScheduled,\n },\n toggleProfilingStatus,\n };}\n\n", "/**\n *
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and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the
root directory of this source tree.\n * @flow\n */\n\nimport {gt, gte} from 'semver';\nimport {\n
ComponentFilterDisplayName,\n ComponentFilterElementType,\n ComponentFilterHOC,\n
ComponentFilterLocation,\n ElementTypeClass,\n ElementTypeContext,\n ElementTypeFunction,\n
ElementTypeForwardRef,\n ElementTypeHostComponent,\n ElementTypeMemo,\n
ElementTypeOtherOrUnknown,\n ElementTypeProfiler,\n ElementTypeRoot,\n ElementTypeSuspense,\n
ElementTypeSuspenseList,\n ElementTypeTracingMarker,\n StrictMode,\n} from 'react-devtools-
shared/src/types';\nimport {\n deletePathInObject,\n getDisplayName,\n getDefaultComponentFilters,\n
getInObject,\n getUID,\n renamePathInObject,\n setInObject,\n utfEncodeString,\n} from 'react-devtools-
shared/src/utils';\nimport {sessionStorageGetItem} from 'react-devtools-shared/src/storage';\nimport {\n
cleanForBridge,\n
copyToClipboard,\n copyWithDelete,\n copyWithRename,\n copyWithSet,\n getEffectDurations,\n} from
'./utils';\nimport {\n __DEBUG__,\n PROFILING_FLAG_BASIC_SUPPORT,\n
PROFILING_FLAG_TIMELINE_SUPPORT,\n SESSION_STORAGE_RELOAD_AND_PROFILE_KEY,\n
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY,\n TREE_OPERATION_ADD,\n
TREE_OPERATION_REMOVE,\n TREE_OPERATION_REMOVE_ROOT,\n
TREE_OPERATION_REORDER_CHILDREN,\n TREE_OPERATION_SET_SUBTREE_MODE,\n
TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS,\n
TREE_OPERATION_UPDATE_TREE_BASE_DURATION,\n} from '../constants';\nimport
{inspectHooksOfFiber} from 'react-debug-tools';\nimport {\n patch as patchConsole,\n registerRenderer as
registerRendererWithConsole,\n patchForStrictMode as patchConsoleForStrictMode,\n unpatchForStrictMode as
unpatchConsoleForStrictMode,\n} from './console';\nimport {\n CONCURRENT_MODE_NUMBER,\n
CONCURRENT_MODE_SYMBOL_STRING,\n DEPRECATED_ASYNC_MODE_SYMBOL_STRING,\n
PROVIDER_NUMBER,\n PROVIDER_SYMBOL_STRING,\n
CONTEXT_NUMBER,\n CONTEXT_SYMBOL_STRING,\n STRICT_MODE_NUMBER,\n
STRICT_MODE_SYMBOL_STRING,\n PROFILER_NUMBER,\n PROFILER_SYMBOL_STRING,\n
SCOPE_NUMBER,\n SCOPE_SYMBOL_STRING,\n FORWARD_REF_NUMBER,\n
FORWARD_REF_SYMBOL_STRING,\n MEMO_NUMBER,\n MEMO_SYMBOL_STRING,\n
SERVER_CONTEXT_SYMBOL_STRING,\n} from './ReactSymbols';\nimport {format} from './utils';\nimport {\n
enableProfilerChangedHookIndices,\n enableStyleXFeatures,\n} from 'react-devtools-feature-flags';\nimport is

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from 'shared/objectIs';\nimport isArray from 'shared/isArray';\nimport hasOwnProperty from
'shared/hasOwnProperty';\nimport {getStyleXData} from './StyleX/utis';\nimport {createProfilingHooks} from
'./profilingHooks';\n\nimport type {GetTimelineData, ToggleProfilingStatus} from './profilingHooks';\nimport type
{Fiber} from 'react-reconciler/src/ReactInternalTypes';\nimport type {\n ChangeDescription,\n CommitDataBackend,\n DevToolsHook,\n InspectedElement,\n InspectedElementPayload,\n InstanceAndStyle,\n NativeType,\n PathFrame,\n PathMatch,\n ProfilingDataBackend,\n ProfilingDataForRootBackend,\n ReactRenderer,\n RendererInterface,\n SerializedElement,\n WorkTagMap,\n} from './types';\nimport type {\n ComponentFilter,\n ElementType,\n Plugins,\n} from 'react-devtools-shared/src/types';\n\nntype
getDisplayNamForFiberType = (fiber: Fiber) => string | null;\ntype getTypeSymbolType = (type: any) => Symbol |
number;\nntype ReactPriorityLevelsType = {\n ImmediatePriority: number,\n UserBlockingPriority: number,\n NormalPriority: number,\n LowPriority: number,\n IdlePriority: number,\n NoPriority: number,\n};\nntype
ReactTypeOfSideEffectType = {\n DidCapture: number,\n NoFlags: number,\n PerformedWork: number,\n Placement: number,\n Incomplete: number,\n Hydrating: number,\n};\n\nfunction getFiberFlags(fiber: Fiber):
number {\n // The name of this field changed from \"effectTag\" to \"flags\"\n return fiber.flags !== undefined ?
fiber.flags : (fiber:
any).effectTag;\n}\n\n// Some environments (e.g. React Native / Hermes) don't support the performance API
yet.\nconst getcurrentTime =\n typeof performance === 'object' && typeof performance.now === 'function'\n ?
() => performance.now()\n : () => Date.now();\n\nexport function getInternalReactConstants(\n version:
string,\n): {\n getDisplayNamForFiber: getDisplayNamForFiberType,\n getTypeSymbol:
getTypeSymbolType,\n ReactPriorityLevels: ReactPriorityLevelsType,\n ReactTypeOfSideEffect:
ReactTypeOfSideEffectType,\n ReactTypeOfWork: WorkTagMap,\n StrictModeBits: number,\n} {\n const
ReactTypeOfSideEffect: ReactTypeOfSideEffectType = {\n DidCapture: 0b10000000,\n NoFlags: 0b00,\n PerformedWork: 0b01,\n Placement: 0b10,\n Incomplete: 0b10000000000000,\n Hydrating:
0b10000000000000,\n };\n // *****\n // The
section below is copied from files in React repo.\n // Keep it in sync, and add version guards
if it changes.\n //\n // Technically these priority levels are invalid for versions before 16.9,\n // but 16.9 is the first
version to report priority level to DevTools,\n // so we can avoid checking for earlier versions and support pre-16.9
canary releases in the process.\n let ReactPriorityLevels: ReactPriorityLevelsType = {\n ImmediatePriority: 99,\n UserBlockingPriority: 98,\n NormalPriority: 97,\n LowPriority: 96,\n IdlePriority: 95,\n NoPriority: 90,\n };\n if (gt(version, '17.0.2')) {\n ReactPriorityLevels = {\n ImmediatePriority: 1,\n UserBlockingPriority:
2,\n NormalPriority: 3,\n LowPriority: 4,\n IdlePriority: 5,\n NoPriority: 0,\n };\n }\n let
StrictModeBits = 0;\n if (gte(version, '18.0.0-alpha')) {\n // 18+\n StrictModeBits = 0b011000;\n } else if
(gte(version, '16.9.0')) {\n // 16.9 - 17\n StrictModeBits = 0b1;\n } else if (gte(version, '16.3.0')) {\n // 16.3 -
16.8\n StrictModeBits
= 0b10;\n }\n let ReactTypeOfWork: WorkTagMap = ((null: any): WorkTagMap);\n //
*****\n // The section below is copied from files
in React repo.\n // Keep it in sync, and add version guards if it changes.\n //\n // TODO Update the gt() check
below to be gte() whichever the next version number is.\n // Currently the version in Git is 17.0.2 (but that version
has not been/may not end up being released).\n if (gt(version, '17.0.1')) {\n ReactTypeOfWork = {\n CacheComponent: 24, // Experimental\n ClassComponent: 1,\n ContextConsumer: 9,\n ContextProvider:
10,\n CoroutineComponent: -1, // Removed\n CoroutineHandlerPhase: -1, // Removed\n DehydratedSuspenseComponent: 18, // Behind a flag\n ForwardRef: 11,\n Fragment: 7,\n FunctionComponent: 0,\n HostComponent: 5,\n HostPortal: 4,\n HostRoot: 3,\n HostText: 6,\n IncompleteClassComponent: 17,\n IndeterminateComponent: 2,\n LazyComponent: 16,\n LegacyHiddenComponent: 23,\n MemoComponent: 14,\n Mode: 8,\n OffscreenComponent: 22, // Experimental\n Profiler: 12,\n ScopeComponent: 21, // Experimental\n SimpleMemoComponent: 15,\n SuspenseComponent: 13,\n SuspenseListComponent: 19, // Experimental\n TracingMarkerComponent: 25, // Experimental - This is

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technically in 18 but we don't\n // want to fork again so we're adding it here instead\n YieldComponent: -1, //
Removed\n };\n } else if (gte(version, '17.0.0-alpha')) {\n ReactTypeOfWork = {\n CacheComponent: -1, //
Doesn't exist yet\n ClassComponent: 1,\n ContextConsumer: 9,\n ContextProvider: 10,\n CoroutineComponent: -1, // Removed\n CoroutineHandlerPhase: -1, // Removed\n DehydratedSuspenseComponent: 18, // Behind a flag\n ForwardRef: 11,\n Fragment: 7,\n FunctionComponent: 0,\n HostComponent: 5,\n HostPortal: 4,\n HostRoot: 3,\n HostText: 6,\n IncompleteClassComponent: 17,\n IndeterminateComponent: 2,\n LazyComponent: 16,\n LegacyHiddenComponent: 24,\n MemoComponent:
14,\n Mode: 8,\n OffscreenComponent: 23, // Experimental\n Profiler: 12,\n ScopeComponent: 21, //
Experimental\n SimpleMemoComponent: 15,\n SuspenseComponent: 13,\n SuspenseListComponent: 19,
// Experimental\n TracingMarkerComponent: -1, // Doesn't exist yet\n YieldComponent: -1, // Removed\n
};\n } else if (gte(version, '16.6.0-beta.0')) {\n ReactTypeOfWork = {\n CacheComponent: -1, // Doesn't exist
yet\n ClassComponent: 1,\n ContextConsumer: 9,\n ContextProvider: 10,\n CoroutineComponent: -1, //
Removed\n CoroutineHandlerPhase: -1, // Removed\n DehydratedSuspenseComponent: 18, // Behind a flag\n
ForwardRef: 11,\n Fragment: 7,\n FunctionComponent: 0,\n HostComponent: 5,\n HostPortal: 4,\n HostRoot: 3,\n HostText: 6,\n IncompleteClassComponent: 17,\n
IndeterminateComponent: 2,\n LazyComponent: 16,\n LegacyHiddenComponent: -1,\n MemoComponent:
14,\n Mode: 8,\n OffscreenComponent: -1, // Experimental\n Profiler: 12,\n ScopeComponent: -1, //
Experimental\n SimpleMemoComponent: 15,\n SuspenseComponent: 13,\n SuspenseListComponent: 19,
// Experimental\n TracingMarkerComponent: -1, // Doesn't exist yet\n YieldComponent: -1, // Removed\n
};\n } else if (gte(version, '16.4.3-alpha')) {\n ReactTypeOfWork = {\n CacheComponent: -1, // Doesn't exist
yet\n ClassComponent: 2,\n ContextConsumer: 11,\n ContextProvider: 12,\n CoroutineComponent: -1,
// Removed\n CoroutineHandlerPhase: -1, // Removed\n DehydratedSuspenseComponent: -1, // Doesn't exist
yet\n ForwardRef: 13,\n Fragment: 9,\n FunctionComponent: 0,\n HostComponent:
7,\n HostPortal: 6,\n HostRoot: 5,\n HostText: 8,\n IncompleteClassComponent: -1, // Doesn't exist
yet\n IndeterminateComponent: 4,\n LazyComponent: -1, // Doesn't exist yet\n LegacyHiddenComponent:
-1,\n MemoComponent: -1, // Doesn't exist yet\n Mode: 10,\n OffscreenComponent: -1, // Experimental\n
Profiler: 15,\n ScopeComponent: -1, // Experimental\n SimpleMemoComponent: -1, // Doesn't exist yet\n
SuspenseComponent: 16,\n SuspenseListComponent: -1, // Doesn't exist yet\n TracingMarkerComponent: -1,
// Doesn't exist yet\n YieldComponent: -1, // Removed\n };\n } else {\n ReactTypeOfWork = {\n
CacheComponent: -1, // Doesn't exist yet\n ClassComponent: 2,\n ContextConsumer: 12,\n
ContextProvider: 13,\n CoroutineComponent: 7,\n CoroutineHandlerPhase: 8,\n
DehydratedSuspenseComponent: -1, // Doesn't exist yet\n ForwardRef: 14,\n Fragment: 10,\n
FunctionComponent:
1,\n HostComponent: 5,\n HostPortal: 4,\n HostRoot: 3,\n HostText: 6,\n
IncompleteClassComponent: -1, // Doesn't exist yet\n IndeterminateComponent: 0,\n LazyComponent: -1, //
Doesn't exist yet\n LegacyHiddenComponent: -1,\n MemoComponent: -1, // Doesn't exist yet\n Mode:
11,\n OffscreenComponent: -1, // Experimental\n Profiler: 15,\n ScopeComponent: -1, // Experimental\n
SimpleMemoComponent: -1, // Doesn't exist yet\n SuspenseComponent: 16,\n SuspenseListComponent: -1, //
Doesn't exist yet\n TracingMarkerComponent: -1, // Doesn't exist yet\n YieldComponent: 9,\n };\n }\n //
*****\n // End of copied code.\n //
*****\n\n function getTypeSymbol(type: any):
Symbol | number {\n const symbolOrNumber =\n typeof type === 'object' && type !== null ? type.$typeof :
type;\n\n // $FlowFixMe Flow doesn't know about typeof \"symbol\"\n return typeof symbolOrNumber === 'symbol'\n
? symbolOrNumber.toString()\n : symbolOrNumber;\n }\n\n const {\n CacheComponent,\n ClassComponent,\n IncompleteClassComponent,\n FunctionComponent,\n IndeterminateComponent,\n ForwardRef,\n HostRoot,\n HostComponent,\n HostPortal,\n HostText,\n Fragment,\n

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LazyComponent,\n LegacyHiddenComponent,\n MemoComponent,\n OffscreenComponent,\n Profiler,\n
ScopeComponent,\n SimpleMemoComponent,\n SuspenseComponent,\n SuspenseListComponent,\n
TracingMarkerComponent,\n } = ReactTypeOfWork;\n\n function resolveFiberType(type: any) {\n const
typeSymbol = getTypeSymbol(type);\n switch (typeSymbol) {\n case MEMO_NUMBER:\n case
MEMO_SYMBOL_STRING:\n // recursively resolving memo type in case of
memo(forwardRef(Component))\n return resolveFiberType(type.type);\n case
FORWARD_REF_NUMBER:\n
 case FORWARD_REF_SYMBOL_STRING:\n return type.render;\n default:\n return type;\n }\n
 }\n\n // NOTICE Keep in sync with shouldFilterFiber() and other get*ForFiber methods\n function
getDisplayNameForFiber(fiber: Fiber): string | null {\n const {elementType, type, tag} = fiber;\n\n let
resolvedType = type;\n if (typeof type === 'object' && type !== null) {\n resolvedType =
resolveFiberType(type);\n }\n\n let resolvedContext: any = null;\n\n switch (tag) {\n case
CacheComponent:\n return 'Cache';\n case ClassComponent:\n case IncompleteClassComponent:\n return getDisplayName(resolvedType);\n case FunctionComponent:\n case IndeterminateComponent:\n return getDisplayName(resolvedType);\n case ForwardRef:\n // Mirror
https://github.com/facebook/react/blob/7c21bf72ace77094fd1910cc350a548287ef8350/packages/shared/getCompon
entName.js#L27-L37\n return (\n (type
&& type.displayName) ||\n getDisplayName(resolvedType, 'Anonymous')\n);\n case HostRoot:\n const fiberRoot = fiber.stateNode;\n if (fiberRoot != null && fiberRoot._debugRootType !== null) {\n return fiberRoot._debugRootType;\n }\n return null;\n case HostComponent:\n return type;\n case HostPortal:\n case HostText:\n case Fragment:\n return null;\n case LazyComponent:\n //
This display name will not be user visible.\n // Once a Lazy component loads its inner component, React
replaces the tag and type.\n // This display name will only show up in console logs when DevTools DEBUG
mode is on.\n return 'Lazy';\n case MemoComponent:\n case SimpleMemoComponent:\n return (\n (elementType && elementType.displayName) ||\n (type && type.displayName) ||\n getDisplayName(resolvedType, 'Anonymous')\n);\n case SuspenseComponent:\n return 'Suspense';\n case LegacyHiddenComponent:\n return 'LegacyHidden';\n case
OffscreenComponent:\n return 'Offscreen';\n case ScopeComponent:\n return 'Scope';\n case
SuspenseListComponent:\n return 'SuspenseList';\n case Profiler:\n return 'Profiler';\n case
TracingMarkerComponent:\n return 'TracingMarker';\n default:\n const typeSymbol =
getTypeSymbol(type);\n switch (typeSymbol) {\n case CONCURRENT_MODE_NUMBER:\n case
CONCURRENT_MODE_SYMBOL_STRING:\n case
DEPRECATED_ASYNC_MODE_SYMBOL_STRING:\n return null;\n case
PROVIDER_NUMBER:\n case PROVIDER_SYMBOL_STRING:\n // 16.3.0 exposed the context
object as \"context\"\n // PR #12501 changed it to \"_context\" for 16.3.1+\n // NOTE Keep in sync
with inspectElementRaw()\n resolvedContext = fiber.type._context || fiber.type.context;\n return `${resolvedContext.displayName || 'Context'}.Provider`;\n case CONTEXT_NUMBER:\n case CONTEXT_SYMBOL_STRING:\n case SERVER_CONTEXT_SYMBOL_STRING:\n // 16.3-
16.5 read from \"type\" because the Consumer is the actual context object.\n // 16.6+ should read from
\"type._context\" because Consumer can be different (in DEV).\n // NOTE Keep in sync with
inspectElementRaw()\n resolvedContext = fiber.type._context || fiber.type;\n // NOTE:
TraceUpdatesBackendManager depends on the name ending in '.Consumer'\n // If you change the name,
figure out a more resilient way to detect it.\n return `${resolvedContext.displayName ||
'Context'}.Consumer`;\n case STRICT_MODE_NUMBER:\n case
STRICT_MODE_SYMBOL_STRING:\n return null;\n case PROFILER_NUMBER:\n case
PROFILER_SYMBOL_STRING:\n return `Profiler(${fiber.memoizedProps.id})`;\n case
SCOPE_NUMBER:\n case SCOPE_SYMBOL_STRING:\n return 'Scope';\n default:\n // Unknown element type.\n // This may mean a new element type that has not yet been added to

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DevTools.\n return null;\n }\n }\n}\n\n return {\n getDisplayNameForFiber,\n getTypeSymbol,\n ReactPriorityLevels,\n ReactTypeOfWork,\n ReactTypeOfSideEffect,\n StrictModeBits,\n };\n}\n\n\nexport\nfunction attach(\n hook: DevToolsHook,\n rendererID: number,\n renderer: ReactRenderer,\n global: Object,\n):
RendererInterface {\n // Newer versions of the reconciler package also specific reconciler version.\n // If that
version number is present, use it.\n // Third party renderer versions may not match the reconciler version,\n // and
the latter is what's important in terms of tags and symbols.\n const version = renderer.reconcilerVersion ||
renderer.version;\n\n const {\n getDisplayNameForFiber,\n getTypeSymbol,\n ReactPriorityLevels,\n ReactTypeOfWork,\n ReactTypeOfSideEffect,\n StrictModeBits,\n } = getInternalReactConstants(version);\n const {\n DidCapture,\n Hydrating,\n NoFlags,\n PerformedWork,\n Placement,\n } = ReactTypeOfSideEffect;\n const {\n CacheComponent,\n ClassComponent,\n ContextConsumer,\n DehydratedSuspenseComponent,\n ForwardRef,\n Fragment,\n FunctionComponent,\n HostRoot,\n HostPortal,\n HostComponent,\n HostText,\n IncompleteClassComponent,\n IndeterminateComponent,\n LegacyHiddenComponent,\n MemoComponent,\n OffscreenComponent,\n SimpleMemoComponent,\n SuspenseComponent,\n SuspenseListComponent,\n TracingMarkerComponent,\n } = ReactTypeOfWork;\n const {\n ImmediatePriority,\n UserBlockingPriority,\n NormalPriority,\n LowPriority,\n IdlePriority,\n NoPriority,\n } = ReactPriorityLevels;\n\n const {\n getLaneLabelMap,\n injectProfilingHooks,\n overrideHookState,\n overrideHookStateDeletePath,\n overrideHookStateRenamePath,\n overrideProps,\n overridePropsDeletePath,\n overridePropsRenamePath,\n scheduleRefresh,\n setErrorHandler,\n setSuspenseHandler,\n scheduleUpdate,\n } = renderer;\n const supportsTogglingError =\n typeof
setErrorHandler === 'function' &&\n typeof scheduleUpdate === 'function';\n const supportsTogglingSuspense
=\n typeof setSuspenseHandler === 'function' &&\n typeof scheduleUpdate === 'function';\n\n if (typeof
scheduleRefresh === 'function') {\n // When Fast Refresh updates a component, the frontend may need to purge
cached information.\n // For example, ASTs cached for the component (for named hooks) may no longer be
valid.\n // Send a signal to the frontend to purge this cached information.\n // The \"fastRefreshScheduled\"
dispatched is global (not Fiber or even Renderer specific).\n // This is less effecient since it means the front-end
will need to purge the entire cache,\n // but this is probably an okay trade off in order to reduce coupling between
the DevTools and Fast Refresh.\n renderer.scheduleRefresh = (...args) => {\n try {\n hook.emit('fastRefreshScheduled');\n } finally {\n return scheduleRefresh(...args);\n }\n };\n\n let
getTimelineData: null | GetTimelineData = null;\n let toggleProfilingStatus: null | ToggleProfilingStatus = null;\n if
(typeof injectProfilingHooks === 'function') {\n const response = createProfilingHooks({\n getDisplayNameForFiber,\n getIsProfiling: () => isProfiling,\n getLaneLabelMap,\n reactVersion:
version,\n });\n // Pass the Profiling hooks to the reconciler for it to call during render.\n injectProfilingHooks(response.profilingHooks);\n // Hang onto this toggle so we can notify the external methods
of profiling status changes.\n getTimelineData = response.getTimelineData;\n toggleProfilingStatus
= response.toggleProfilingStatus;\n }\n\n // Tracks Fibers with recently changed number of error/warning
messages.\n // These collections store the Fiber rather than the ID,\n // in order to avoid generating an ID for Fibers
that never get mounted\n // (due to e.g. Suspense or error boundaries).\n // onErrorOrWarning() adds Fibers and
recordPendingErrorsAndWarnings() later clears them.\n const fibersWithChangedErrorOrWarningCounts:
Set<Fiber> = new Set();\n const pendingFiberToErrorsMap: Map<Fiber, Map<string, number>> = new Map();\n const pendingFiberToWarningsMap: Map<Fiber, Map<string, number>> = new Map();\n // Mapping of fiber IDs
to error/warning messages and counts.\n const fiberIDToErrorsMap: Map<number, Map<string, number>> = new
Map();\n const fiberIDToWarningsMap: Map<number, Map<string, number>> = new Map();\n\n function
clearErrorsAndWarnings() {\n // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n for (const id of
fiberIDToErrorsMap.keys())\n {\n const fiber = idToArbitraryFiberMap.get(id);\n if (fiber != null) {\n fibersWithChangedErrorOrWarningCounts.add(fiber);\n }\n }\n updateMostRecentlyInspectedElementIfNecessary(id);\n }\n }\n}\n\n // eslint-disable-next-line no-for-of-

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loops/no-for-of-loops\n for (const id of fiberIDToWarningsMap.keys()) {\n const fiber =
idToArbitraryFiberMap.get(id);\n if (fiber != null) {\n
fibersWithChangedErrorOrWarningCounts.add(fiber);\n
updateMostRecentlyInspectedElementIfNecessary(id);\n }\n }\n\n fiberIDToErrorsMap.clear();\n
fiberIDToWarningsMap.clear();\n\n flushPendingEvents();\n }\n\n function clearMessageCountHelper(\n
fiberID: number,\n pendingFiberToMessageCountMap: Map<Fiber, Map<string, number>>,\n
fiberIDToMessageCountMap: Map<number, Map<string, number>>,\n) {\n const fiber =
idToArbitraryFiberMap.get(fiberID);\n if (fiber != null) {\n // Throw out any pending changes.\n
 pendingFiberToErrorsMap.delete(fiber);\n if (fiberIDToMessageCountMap.has(fiberID)) {\n
fiberIDToMessageCountMap.delete(fiberID);\n }\n // If previous flushed counts have changed, schedule an
update too.\n fibersWithChangedErrorOrWarningCounts.add(fiber);\n flushPendingEvents();\n\n
updateMostRecentlyInspectedElementIfNecessary(fiberID);\n } else {\n
fibersWithChangedErrorOrWarningCounts.delete(fiber);\n }\n }\n\n function
clearErrorsForFiberID(fiberID: number) {\n clearMessageCountHelper(\n fiberID,\n
pendingFiberToErrorsMap,\n fiberIDToErrorsMap,\n);\n }\n\n function clearWarningsForFiberID(fiberID:
number) {\n clearMessageCountHelper(\n fiberID,\n pendingFiberToWarningsMap,\n
fiberIDToWarningsMap,\n);\n }\n\n function updateMostRecentlyInspectedElementIfNecessary(\n fiberID:
number,\n): void {\n if (\n mostRecentlyInspectedElement !== null &&\n
mostRecentlyInspectedElement.id
=== fiberID\n) {\n hasElementUpdatedSinceLastInspected = true;\n }\n }\n\n // Called when an error or
warning is logged during render, commit, or passive (including unmount functions).\n function
onErrorOrWarning(\n fiber: Fiber,\n type: 'error' | 'warn',\n args: $ReadOnlyArray<any>,\n): void {\n if
(type === 'error') {\n const maybeID = getFiberIDUnsafe(fiber);\n // if this is an error simulated by us to
trigger error boundary, ignore\n if (maybeID != null && forceErrorForFiberIDs.get(maybeID) === true) {\n
return;\n }\n const message = format(...args);\n if (__DEBUG__) {\n debug('onErrorOrWarning',
fiber, null, `${type}: "${message}"`);\n }\n // Mark this Fiber as needed its warning/error count updated
during the next flush.\n fibersWithChangedErrorOrWarningCounts.add(fiber);\n // Track the warning/error for
later.\n const fiberMap =\n type === 'error' ? pendingFiberToErrorsMap
: pendingFiberToWarningsMap;\n const messageMap = fiberMap.get(fiber);\n if (messageMap != null) {\n
const count = messageMap.get(message) || 0;\n messageMap.set(message, count + 1);\n } else {\n
fiberMap.set(fiber, new Map([[message, 1]]));\n }\n // Passive effects may trigger errors or warnings too;\n //
In this case, we should wait until the rest of the passive effects have run,\n // but we shouldn't wait until the next
commit because that might be a long time.\n // This would also cause "tearing" between an inspected Component
and the tree view.\n // Then again we don't want to flush too soon because this could be an error during async
rendering.\n // Use a debounce technique to ensure that we'll eventually flush.\n
flushPendingErrorsAndWarningsAfterDelay();\n }\n\n // Patching the console enables DevTools to do a few useful
things:\n // * Append component stacks to warnings and error messages\n // * Disable
logging during re-renders to inspect hooks (see inspectHooksOfFiber)\n //\n // Don't patch in test environments
because we don't want to interfere with Jest's own console overrides.\n if (process.env.NODE_ENV !== 'test') {\n
registerRendererWithConsole(renderer, onErrorOrWarning);\n }\n\n // The renderer interface can't read these
preferences directly,\n // because it is stored in localStorage within the context of the extension.\n // It relies on
the extension to pass the preference through via the global.\n const appendComponentStack =\n
window.__REACT_DEVTOOLS_APPEND_COMPONENT_STACK__ !== false;\n const
breakOnConsoleErrors =\n window.__REACT_DEVTOOLS_BREAK_ON_CONSOLE_ERRORS__ ===
true;\n const showInlineWarningsAndErrors =\n
window.__REACT_DEVTOOLS_SHOW_INLINE_WARNINGS_AND_ERRORS__ !== false;\n const
hideConsoleLogsInStrictMode =\n
window.__REACT_DEVTOOLS_HIDE_CONSOLE_LOGS_IN_STRICT_MODE__ === true;\n const

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browserTheme = window.__REACT_DEVTOOLS_BROWSER_THEME__;

patchConsole({
 appendComponentStack,
 breakOnConsoleErrors,
 showInlineWarningsAndErrors,
 hideConsoleLogsInStrictMode,
 browserTheme,
});

const debug = (
 name: string,
 fiber: Fiber,
 parentFiber: ?Fiber,
 extraString?: string = '',
): void => {
 if (__DEBUG__) {
 const displayName = fiber.tag + ':' + (getDisplayNameForFiber(fiber) || 'null');
 const maybeID = getFiberIDUnsafe(fiber) || '<no id>';
 const parentDisplayName = parentFiber ? parentFiber.tag + ':' + (getDisplayNameForFiber(parentFiber) || 'null') : '';
 const maybeParentID = parentFiber ? getFiberIDUnsafe(parentFiber) || '<no-id>' : '';

 console.groupCollapsed(
 `[renderer] %c${name} %c${displayName} (%c${maybeID}) %c${parentFiber ? `${parentDisplayName} (%c${maybeParentID})` : ''} %c${extraString}`,
 'color: red; font-weight: bold;',
 'color: blue;',
 'color: purple;',
 'color: black;',
);
 console.log(
 new Error().stack
 .split('\n')
 .slice(1)
 .join('\n'),
);
 console.groupEnd();
 }
};

// Configurable Components tree filters
const hideElementsWithDisplayNames: Set<RegExp> = new Set();
const hideElementsWithPaths: Set<RegExp> = new Set();
const hideElementsWithTypes: Set<ElementType> = new Set();

// Highlight updates
let traceUpdatesEnabled: boolean = false;
const traceUpdatesForNodes: Set<NativeType> = new Set();

function applyComponentFilters(componentFilters: Array<ComponentFilter>) {
 hideElementsWithTypes.clear();
 hideElementsWithDisplayNames.clear();
 hideElementsWithPaths.clear();

 componentFilters.forEach(componentFilter => {
 if (!componentFilter.isEnabled) {
 return;
 }

 switch (componentFilter.type) {
 case ComponentFilterDisplayName:
 if (componentFilter.isValid && componentFilter.value !== '') {
 hideElementsWithDisplayNames.add(
 new RegExp(componentFilter.value, 'i'),
);
 }
 break;
 case ComponentFilterElementType:
 hideElementsWithTypes.add(componentFilter.value);
 break;
 case ComponentFilterLocation:
 if (componentFilter.isValid && componentFilter.value !== '') {
 hideElementsWithPaths.add(
 new RegExp(componentFilter.value, 'i'),
);
 }
 break;
 case ComponentFilterHOC:
 hideElementsWithDisplayNames.add(new RegExp('\\\\\\\\(\\)'));
 break;
 default:
 console.warn(
 `Invalid component filter type "${componentFilter.type}"`,
);
 break;
 }
 });

 // The renderer interface can't read saved component filters directly,
 // because they are stored in localStorage within the context of the extension.
 // Instead it relies on the extension to pass filters through.
 if (window.__REACT_DEVTOOLS_COMPONENT_FILTERS__ != null) {
 applyComponentFilters(window.__REACT_DEVTOOLS_COMPONENT_FILTERS__);
 } else {
 // Unfortunately this feature is not expected to work for React Native for now.
 // It would be annoying for us to spam YellowBox warnings with unactionable stuff,
 // so for now just skip this message...
 // console.warn(
 // 'DevTools: Could not locate saved component filters',
 //);
 // Fallback to assuming the default filters in this case.
 applyComponentFilters(getDefaultComponentFilters());
 }

 // If necessary, we can revisit optimizing this operation.
 // For example, we could add a new recursive unmount tree operation.
 // The unmount operations are already significantly smaller than mount operations though.
 // This is something to keep in mind for later.

 function updateComponentFilters(componentFilters: Array<ComponentFilter>) {
 if (isProfiling) {
 // Re-mounting a tree while profiling is in progress might break a lot of assumptions.
 // If necessary, we could support this- but it doesn't seem like a necessary use case.
 throw Error('Cannot modify filter preferences while profiling');
 }

 // Recursively unmount all roots.
 hook.getFiberRoots(rendererID).forEach(root => {
 const currentRootID = getOrGenerateFiberID(root.current);
 // The TREE_OPERATION_REMOVE_ROOT operation serves two purposes:
 // 1. It avoids sending unnecessary bridge traffic to clear a root.
 // 2. It preserves Fiber IDs when remounting (below) which in turn ID to error/warning mapping.
 pushOperation(TREE_OPERATION_REMOVE_ROOT);
 flushPendingEvents(root);
 currentRootID = -1;
 });
 applyComponentFilters(componentFilters);
 // Reset pseudo counters so that new path
 }
}

```

selections will

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be persisted.\n rootDisplayNameCounter.clear();\n\n // Recursively re-mount all roots with new filter criteria applied.\n hook.getFiberRoots(rendererID).forEach(root => {\n currentRootID = getOrGenerateFiberID(root.current);\n setRootPseudoKey(currentRootID, root.current);\n mountFiberRecursively(root.current, null, false, false);\n flushPendingEvents(root);\n currentRootID = -1;\n });\n\n // Also re-evaluate all error and warning counts given the new filters.\n reevaluateErrorsAndWarnings();\n flushPendingEvents();\n} \n\n// NOTICE Keep in sync with get*ForFiber methods\nfunction shouldFilterFiber(fiber: Fiber): boolean {\n const { _debugSource, tag, type } = fiber;\n\n switch (tag) {\n case DehydratedSuspenseComponent:\n // TODO: ideally we would show dehydrated Suspense immediately.\n // However, it has some special behavior (like disconnecting\n // an alternate and turning into real Suspense) which breaks DevTools.\n // For now, ignore it, and only show it once it gets hydrated.\n return true;\n case HostPortal:\n case HostText:\n case Fragment:\n case LegacyHiddenComponent:\n case OffscreenComponent:\n case HostRoot:\n // It is never valid to filter the root element.\n return false;\n default:\n const typeSymbol = getTypeSymbol(type);\n switch (typeSymbol) {\n case CONCURRENT_MODE_NUMBER:\n case CONCURRENT_MODE_SYMBOL_STRING:\n case DEPRECATED_ASYNC_MODE_SYMBOL_STRING:\n case STRICT_MODE_NUMBER:\n case STRICT_MODE_SYMBOL_STRING:\n return true;\n default:\n break;\n }\n }\n\n const elementType = getElementTypeForFiber(fiber);\n if (hideElementsWithTypes.has(elementType)) {\n return true;\n }\n\n if (hideElementsWithDisplayNames.size > 0) {\n const displayName = getDisplayNameForFiber(fiber);\n if (displayName !== null) {\n // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n for (const displayNameRegExp of hideElementsWithDisplayNames) {\n if (displayNameRegExp.test(displayName)) {\n return true;\n }\n }\n }\n\n if (_debugSource !== null && hideElementsWithPaths.size > 0) {\n const { fileName } = _debugSource;\n // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n for (const pathRegExp of hideElementsWithPaths) {\n if (pathRegExp.test(fileName)) {\n return true;\n }\n }\n }\n\n return false;\n }\n\n // NOTICE Keep in sync with shouldFilterFiber() and other get*ForFiber methods\n function getElementTypeForFiber(fiber: Fiber): ElementType {\n const { type, tag } = fiber;\n\n switch (tag) {\n case ClassComponent:\n case IncompleteClassComponent:\n return ElementTypeClass;\n case FunctionComponent:\n case IndeterminateComponent:\n return ElementTypeFunction;\n case ForwardRef:\n return ElementTypeForwardRef;\n case HostRoot:\n return ElementTypeRoot;\n case HostComponent:\n return ElementTypeHostComponent;\n case HostPortal:\n case HostText:\n case Fragment:\n return ElementTypeOtherOrUnknown;\n case MemoComponent:\n case SimpleMemoComponent:\n return ElementTypeMemo;\n case SuspenseComponent:\n return ElementTypeSuspense;\n case SuspenseListComponent:\n return ElementTypeSuspenseList;\n case TracingMarkerComponent:\n return ElementTypeTracingMarker;\n default:\n const typeSymbol = getTypeSymbol(type);\n switch (typeSymbol) {\n case CONCURRENT_MODE_NUMBER:\n case CONCURRENT_MODE_SYMBOL_STRING:\n case DEPRECATED_ASYNC_MODE_SYMBOL_STRING:\n return ElementTypeOtherOrUnknown;\n case PROVIDER_NUMBER:\n case PROVIDER_SYMBOL_STRING:\n return ElementTypeContext;\n case CONTEXT_NUMBER:\n case CONTEXT_SYMBOL_STRING:\n return ElementTypeContext;\n case STRICT_MODE_NUMBER:\n case STRICT_MODE_SYMBOL_STRING:\n return ElementTypeOtherOrUnknown;\n case PROFILER_NUMBER:\n case PROFILER_SYMBOL_STRING:\n return ElementTypeProfiler;\n default:\n return ElementTypeOtherOrUnknown;\n }\n }\n }\n\n // Map of one or more Fibers in a pair to their unique id number.\n // We track both Fibers to support Fast Refresh,\n // which may forcefully replace one of the pair as part
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of hot reloading.\n // In that case it's still important to be able to locate the previous ID during subsequent renders.\n

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const fiberToIDMap: Map<Fiber, number> = new Map();\n\n // Map of id to one (arbitrary) Fiber
in a pair.\n // This Map is used to e.g. get the display name for a Fiber or schedule an update,\n // operations that
should be the same whether the current and work-in-progress Fiber is used.\n const idToArbitraryFiberMap:
Map<number, Fiber> = new Map();\n\n // When profiling is supported, we store the latest tree base durations for
each Fiber.\n // This is so that we can quickly capture a snapshot of those values if profiling starts.\n // If we didn't
store these values, we'd have to crawl the tree when profiling started,\n // and use a slow path to find each of the
current Fibers.\n const idToTreeBaseDurationMap: Map<number, number> = new Map();\n\n // When profiling is
supported, we store the latest tree base durations for each Fiber.\n // This map enables us to filter these times by root
when sending them to the frontend.\n const idToRootMap: Map<number, number> = new Map();\n\n // When a
mount or update is in progress, this value tracks the root that is being operated
on.\n let currentRootID: number = -1;\n\n // Returns the unique ID for a Fiber or generates and caches a new one if
the Fiber hasn't been seen before.\n // Once this method has been called for a Fiber, untrackFiberID() should always
be called later to avoid leaking.\n function getOrGenerateFiberID(fiber: Fiber): number {\n let id = null;\n if
(fiberToIDMap.has(fiber)) {\n id = fiberToIDMap.get(fiber);\n } else {\n const {alternate} = fiber;\n if
(alternate !== null && fiberToIDMap.has(alternate)) {\n id = fiberToIDMap.get(alternate);\n }\n }\n\n let didGenerateID = false;\n if (id === null) {\n didGenerateID = true;\n id = getUID();\n }\n\n // This
refinement is for Flow purposes only.\n const refinedID = ((id: any): number);\n\n // Make sure we're tracking
this Fiber\n // e.g. if it just mounted or an error was logged during initial render.\n if (!fiberToIDMap.has(fiber))
{\n fiberToIDMap.set(fiber,
refinedID);\n idToArbitraryFiberMap.set(refinedID, fiber);\n }\n\n // Also make sure we're tracking its
alternate,\n // e.g. in case this is the first update after mount.\n const {alternate} = fiber;\n if (alternate !== null)
{\n if (!fiberToIDMap.has(alternate)) {\n fiberToIDMap.set(alternate, refinedID);\n }\n }\n\n if
(__DEBUG__) {\n if (didGenerateID) {\n debug(\n 'getOrGenerateFiberID()',\n fiber,\n
fiber.return,\n 'Generated a new UID',\n);\n }\n }\n\n return refinedID;\n }\n\n // Returns an ID if
one has already been generated for the Fiber or throws.\n function getFiberIDThrows(fiber: Fiber): number {\n
const maybeID = getFiberIDUnsafe(fiber);\n if (maybeID !== null) {\n return maybeID;\n }\n throw
Error(\n `Could not find ID for Fiber "${getDisplayNamesForFiber(fiber)}"`,\n);\n }\n\n // Returns an ID
if one has already been generated
for the Fiber or null if one has not been generated.\n // Use this method while e.g. logging to avoid over-retaining
Fibers.\n function getFiberIDUnsafe(fiber: Fiber): number | null {\n if (fiberToIDMap.has(fiber)) {\n return
((fiberToIDMap.get(fiber): any): number);\n } else {\n const {alternate} = fiber;\n if (alternate !== null &&
fiberToIDMap.has(alternate)) {\n return ((fiberToIDMap.get(alternate): any): number);\n }\n }\n return
null;\n }\n\n // Removes a Fiber (and its alternate) from the Maps used to track their id.\n // This method should
always be called when a Fiber is unmounting.\n function untrackFiberID(fiber: Fiber) {\n if (__DEBUG__) {\n
debug('untrackFiberID()', fiber, fiber.return, 'schedule after delay');\n }\n\n // Untrack Fibers after a slight delay
in order to support a Fast Refresh edge case:\n // 1. Component type is updated and Fast Refresh schedules an
update+remount.\n // 2. flushPendingErrorsAndWarningsAfterDelay()
runs, sees the old Fiber is no longer mounted\n // (it's been disconnected by Fast Refresh), and calls
untrackFiberID() to clear it from the Map.\n // 3. React flushes pending passive effects before it runs the next
render,\n // which logs an error or warning, which causes a new ID to be generated for this Fiber.\n // 4.
DevTools now tries to unmount the old Component with the new ID.\n //\n // The underlying problem here is the
premature clearing of the Fiber ID,\n // but DevTools has no way to detect that a given Fiber has been scheduled
for Fast Refresh.\n // (The "_debugNeedsRemount" flag won't necessarily be set.)\n //\n // The best we can do
is to delay untracking by a small amount,\n // and give React time to process the Fast Refresh delay.\n\n
untrackFibersSet.add(fiber);\n\n // React may detach alternate pointers during unmount;\n // Since our untracking
code is async, we should explicitly track the pending
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 alternate here as well.\n const alternate = fiber.alternate;\n if (alternate !== null) {\n
untrackFibersSet.add(alternate);\n }\n\n if (untrackFibersTimeoutID === null) {\n untrackFibersTimeoutID =
setTimeout(untrackFibers, 1000);\n }\n }\n\n const untrackFibersSet: Set<Fiber> = new Set();\n let
untrackFibersTimeoutID: TimeoutID | null = null;\n\n function untrackFibers() {\n if (untrackFibersTimeoutID
!== null) {\n clearTimeout(untrackFibersTimeoutID);\n untrackFibersTimeoutID = null;\n }\n\n
untrackFibersSet.forEach(fiber => {\n const fiberID = getFiberIDUnsafe(fiber);\n if (fiberID !== null) {\n
idToArbitraryFiberMap.delete(fiberID);\n\n // Also clear any errors/warnings associated with this fiber.\n
clearErrorsForFiberID(fiberID);\n clearWarningsForFiberID(fiberID);\n }\n\n fiberToIDMap.delete(fiber);\n\n const {alternate} = fiber;\n if (alternate !== null) {\n
fiberToIDMap.delete(alternate);\n\n }\n\n if (forceErrorForFiberIDs.has(fiberID)) {\n forceErrorForFiberIDs.delete(fiberID);\n if
(forceErrorForFiberIDs.size === 0 && setErrorHandler !== null) {\n
setErrorHandler(shouldErrorFiberAlwaysNull);\n }\n }\n });\n untrackFibersSet.clear();\n }\n\n function getChangeDescription(\n prevFiber: Fiber | null,\n nextFiber: Fiber,\n): ChangeDescription | null {\n
switch (getElementTypeForFiber(nextFiber)) {\n case ElementTypeClass:\n case ElementTypeFunction:\n case ElementTypeMemo:\n case ElementTypeForwardRef:\n if (prevFiber === null) {\n return {\n
context: null,\n didHooksChange: false,\n isFirstMount: true,\n props: null,\n state:
null,\n };\n } else {\n const data: ChangeDescription = {\n context:
getContextChangedKeys(nextFiber),\n didHooksChange: false,\n
isFirstMount: false,\n props: getChangedKeys(\n prevFiber.memoizedProps,\n
nextFiber.memoizedProps,\n),\n state: getChangedKeys(\n prevFiber.memoizedState,\n
nextFiber.memoizedState,\n),\n };\n\n // Only traverse the hooks list once, depending on what
info we're returning.\n if (enableProfilerChangedHookIndices) {\n const indices =
getChangedHooksIndices(\n prevFiber.memoizedState,\n nextFiber.memoizedState,\n);\n
data.hooks = indices;\n data.didHooksChange = indices !== null && indices.length > 0;\n } else {\n
data.didHooksChange = didHooksChange(\n prevFiber.memoizedState,\n
nextFiber.memoizedState,\n);\n }\n\n return data;\n }\n default:\n return null;\n }\n }\n\n function updateContextsForFiber(fiber:
Fiber) {\n switch (getElementTypeForFiber(fiber)) {\n case ElementTypeClass:\n case
ElementTypeForwardRef:\n case ElementTypeFunction:\n case ElementTypeMemo:\n if
(idToContextsMap !== null) {\n const id = getFiberIDThrows(fiber);\n const contexts =
getContextsForFiber(fiber);\n if (contexts !== null) {\n idToContextsMap.set(id, contexts);\n }\n }\n break;\n default:\n break;\n }\n }\n\n // Differentiates between a null context value and no
context.\n const NO_CONTEXT = {};\n\n function getContextsForFiber(fiber: Fiber): [Object, any] | null {\n let
legacyContext = NO_CONTEXT;\n let modernContext = NO_CONTEXT;\n\n switch
(getElementTypeForFiber(fiber)) {\n case ElementTypeClass:\n const instance = fiber.stateNode;\n if
(instance !== null) {\n if (\n instance.constructor &&\n instance.constructor.contextType
!== null\n) {\n modernContext = instance.context;\n } else {\n legacyContext =
instance.context;\n if (legacyContext && Object.keys(legacyContext).length === 0) {\n
legacyContext = NO_CONTEXT;\n }\n }\n }\n return [legacyContext, modernContext];\n case
ElementTypeForwardRef:\n case ElementTypeFunction:\n case ElementTypeMemo:\n const
dependencies = fiber.dependencies;\n if (dependencies && dependencies.firstContext) {\n modernContext
= dependencies.firstContext;\n }\n return [legacyContext, modernContext];\n default:\n return
null;\n }\n }\n\n // Record all contexts at the time profiling is started.\n // Fibers only store the current context
value,\n // so we need to track them separately in order to determine changed keys.\n function
crawlToInitializeContextsMap(fiber: Fiber) {\n const id = getFiberIDUnsafe(fiber);\n\n // Not all Fibers in the subtree have mounted yet.\n // For example, Offscreen (hidden) or Suspense (suspended)
subtrees won't yet be tracked.\n // We can safely skip these subtrees.\n if (id !== null) {\n

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updateContextsForFiber(fiber);\n\n let current = fiber.child;\n while (current !== null) {\n crawlToInitializeContextsMap(current);\n current = current.sibling;\n }\n }\n\n function\n getContextChangedKeys(fiber: Fiber): null | boolean | Array<string> {\n if (idToContextsMap !== null) {\n const id = getFiberIDThrows(fiber);\n const prevContexts = idToContextsMap.has(id)\n ?\n idToContextsMap.get(id)\n : null;\n const nextContexts = getContextsForFiber(fiber);\n if\n (prevContexts == null || nextContexts == null) {\n return null;\n }\n const [prevLegacyContext,\n prevModernContext] = prevContexts;\n const [nextLegacyContext, nextModernContext] = nextContexts;\n switch (getElementTypeForFiber(fiber)) {\n case ElementTypeClass:\n if (prevContexts &&\n nextContexts) {\n if (nextLegacyContext !== NO_CONTEXT) {\n return\n getChangedKeys(prevLegacyContext, nextLegacyContext);\n } else if (nextModernContext !==\n NO_CONTEXT) {\n return prevModernContext !== nextModernContext;\n }\n }\n break;\n case ElementTypeForwardRef:\n case ElementTypeFunction:\n case ElementTypeMemo:\n if (nextModernContext !== NO_CONTEXT) {\n let prevContext = prevModernContext;\n let\n nextContext = nextModernContext;\n while (prevContext && nextContext) {\n // Note this only\n works for versions of React that support this key (e.v. 18+)\n // For older versions, there's no good way to\n read the current context value after render has completed.\n // This is because React maintains\n a stack of context values during render,\n // but by the time DevTools is called, render has finished and the\n stack is empty.\n if (!is(prevContext.memoizedValue, nextContext.memoizedValue)) {\n return\n true;\n }\n prevContext = prevContext.next;\n nextContext = nextContext.next;\n }\n return false;\n }\n break;\n default:\n break;\n }\n }\n return null;\n }\n\n function areHookInputsEqual(\n nextDeps: Array<mixed>,\n prevDeps: Array<mixed> | null,\n) {\n if\n (prevDeps === null) {\n return false;\n }\n for (let i = 0; i < prevDeps.length && i < nextDeps.length; i++)\n {\n if (is(nextDeps[i], prevDeps[i])) {\n continue;\n }\n return false;\n }\n return true;\n }\n\n function isEffect(memoizedState) {\n if (memoizedState === null || typeof memoizedState !== 'object') {\n return\n false;\n }\n const {deps} = memoizedState;\n const boundHasOwnProperty =\n hasOwnProperty.bind(memoizedState);\n return (\n boundHasOwnProperty('create') &&\n boundHasOwnProperty('destroy') &&\n boundHasOwnProperty('deps') &&\n boundHasOwnProperty('next')\n &&\n boundHasOwnProperty('tag') &&\n (deps === null || isArray(deps))\n);\n }\n\n function\n didHookChange(prev: any, next: any): boolean {\n const prevMemoizedState = prev.memoizedState;\n const\n nextMemoizedState = next.memoizedState;\n if (isEffect(prevMemoizedState) &&\n isEffect(nextMemoizedState)) {\n return (\n prevMemoizedState !== nextMemoizedState &&\n !areHookInputsEqual(nextMemoizedState.deps, prevMemoizedState.deps)\n);\n }\n return\n nextMemoizedState !== prevMemoizedState;\n }\n\n function didHooksChange(prev: any, next: any): boolean {\n if (prev == null || next == null) {\n return false;\n }\n // We can't report anything\n meaningful for hooks changes.\n if (\n next.hasOwnProperty('baseState') &&\n next.hasOwnProperty('memoizedState') &&\n next.hasOwnProperty('next') &&\n next.hasOwnProperty('queue')\n) {\n while (next !== null) {\n if (didHookChange(prev, next)) {\n return true;\n } else {\n next = next.next;\n prev = prev.next;\n }\n }\n return\n false;\n }\n function getChangedHooksIndices(prev: any, next: any): null | Array<number> {\n if\n (enableProfilerChangedHookIndices) {\n if (prev == null || next == null) {\n return null;\n }\n const\n indices = [];\n let index = 0;\n if (\n next.hasOwnProperty('baseState') &&\n next.hasOwnProperty('memoizedState') &&\n next.hasOwnProperty('next') &&\n next.hasOwnProperty('queue')\n) {\n while (next !== null) {\n if (didHookChange(prev, next)) {\n indices.push(index);\n }\n next = next.next;\n prev = prev.next;\n index++;\n }\n return\n indices;\n }\n return\n null;\n }\n function getChangedKeys(prev: any, next: any): null | Array<string> {\n if (prev ==\n null || next == null) {\n return null;\n }\n // We can't report anything meaningful for hooks changes.\n if

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(\n next.hasOwnProperty('baseState') &&\n next.hasOwnProperty('memoizedState') &&\n
next.hasOwnProperty('next') &&\n next.hasOwnProperty('queue')\n) {\n return null;\n }\n\n const keys
= new Set([...Object.keys(prev), ...Object.keys(next)]);\n const changedKeys = [];\n // eslint-disable-next-line
no-for-of-loops/no-for-of-loops\n for (const key of keys) {\n if (prev[key] !== next[key]) {\n
changedKeys.push(key);\n }\n }\n\n return changedKeys;\n }\n\n // eslint-disable-next-line no-unused-
vars\n function didFiberRender(prevFiber: Fiber, nextFiber:
Fiber): boolean {\n switch (nextFiber.tag) {\n case ClassComponent:\n case FunctionComponent:\n case
ContextConsumer:\n case MemoComponent:\n case SimpleMemoComponent:\n // For types that execute
user code, we check PerformedWork effect.\n // We don't reflect bailouts (either referential or sCU) in
DevTools.\n // eslint-disable-next-line no-bitwise\n return (getFiberFlags(nextFiber) & PerformedWork)
=== PerformedWork;\n // Note: ContextConsumer only gets PerformedWork effect in 16.3.3+\n // so it won't
get highlighted with React 16.3.0 to 16.3.2.\n default:\n // For host components and other types, we compare
inputs\n // to determine whether something is an update.\n return (\n prevFiber.memoizedProps !==
nextFiber.memoizedProps ||\n prevFiber.memoizedState !== nextFiber.memoizedState ||\n prevFiber.ref
!== nextFiber.ref\n);\n }\n }\n\n type OperationsArray
= Array<number>;\n\n type StringTableEntry = {\n encodedString: Array<number>,\n id: number,\n };\n\n
const pendingOperations: OperationsArray = [];\n const pendingRealUnmountedIDs: Array<number> = [];\n const
pendingSimulatedUnmountedIDs: Array<number> = [];\n let pendingOperationsQueue: Array<OperationsArray> |
null = [];\n const pendingStringTable: Map<string, StringTableEntry> = new Map();\n let
pendingStringTableLength: number = 0;\n let pendingUnmountedRootID: number | null = null;\n\n function
pushOperation(op: number): void {\n if (__DEV__) {\n if (!Number.isInteger(op)) {\n console.error(\n
'pushOperation() was called but the value is not an integer.',\n op,\n);\n }\n }\n
 pendingOperations.push(op);\n }\n\n function shouldBailoutWithPendingOperations() {\n if (isProfiling) {\n
if (\n currentCommitProfilingMetadata != null &&\n currentCommitProfilingMetadata.durations.length >
0\n) {\n return false;\n }\n }\n\n return (\n pendingOperations.length === 0 &&\n
 pendingRealUnmountedIDs.length === 0 &&\n pendingSimulatedUnmountedIDs.length === 0 &&\n
 pendingUnmountedRootID === null\n);\n }\n\n function flushOrQueueOperations(operations:
OperationsArray): void {\n if (shouldBailoutWithPendingOperations()) {\n return;\n }\n if
(pendingOperationsQueue !== null) {\n pendingOperationsQueue.push(operations);\n } else {\n
hook.emit('operations', operations);\n }\n }\n\n let flushPendingErrorsAndWarningsAfterDelayTimeoutID =
null;\n\n function clearPendingErrorsAndWarningsAfterDelay() {\n if
(flushPendingErrorsAndWarningsAfterDelayTimeoutID !== null) {\n
clearTimeout(flushPendingErrorsAndWarningsAfterDelayTimeoutID);\n
flushPendingErrorsAndWarningsAfterDelayTimeoutID = null;\n }\n }\n\n function
flushPendingErrorsAndWarningsAfterDelay() {\n clearPendingErrorsAndWarningsAfterDelay();\n\n flushPendingErrorsAndWarningsAfterDelayTimeoutID = setTimeout(() => {\n
flushPendingErrorsAndWarningsAfterDelayTimeoutID = null;\n\n if (pendingOperations.length > 0) {\n //
On the off chance that something else has pushed pending operations,\n // we should bail on warnings; it's
probably not safe to push midway.\n return;\n }\n\n recordPendingErrorsAndWarnings();\n\n if
(shouldBailoutWithPendingOperations()) {\n // No warnings or errors to flush; we can bail out early here too.\n
return;\n }\n\n // We can create a smaller operations array than flushPendingEvents()\n // because we
only need to flush warning and error counts.\n // Only a few pieces of fixed information are required up front.\n
const operations: OperationsArray = new Array(\n 3 + pendingOperations.length,\n);\n operations[0] =
renderID;\n operations[1] = currentRootID;\n operations[2]
= 0;\n // String table size\n for (let j = 0; j < pendingOperations.length; j++) {\n operations[3 + j] =
pendingOperations[j];\n }\n\n flushOrQueueOperations(operations);\n\n pendingOperations.length = 0;\n
}, 1000);\n }\n\n function reevaluateErrorsAndWarnings() {\n
fibersWithChangedErrorOrWarningCounts.clear();\n fiberIDToErrorsMap.forEach((countMap, fiberID) => {\n

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const fiber = idToArbitraryFiberMap.get(fiberID);\n if (fiber != null) {\n
fibersWithChangedErrorOrWarningCounts.add(fiber);\n }\n});\n
fiberIDToWarningsMap.forEach((countMap, fiberID) => {\n const fiber =
idToArbitraryFiberMap.get(fiberID);\n if (fiber != null) {\n
fibersWithChangedErrorOrWarningCounts.add(fiber);\n }\n});\n recordPendingErrorsAndWarnings();\n
}\n\n function mergeMapsAndGetCountHelper(\n fiber: Fiber,\n fiberID: number,\n
pendingFiberToMessageCountMap: Map<Fiber, Map<string, number>>,\n fiberIDToMessageCountMap:
Map<number, Map<string, number>>,\n): number {\n let newCount = 0;\n\n let messageCountMap =
fiberIDToMessageCountMap.get(fiberID);\n\n const pendingMessageCountMap =
pendingFiberToMessageCountMap.get(fiber);\n if (pendingMessageCountMap != null) {\n if
(messageCountMap == null) {\n messageCountMap = pendingMessageCountMap;\n\n
fiberIDToMessageCountMap.set(fiberID, pendingMessageCountMap);\n } else {\n // This Flow refinement
should not be necessary and yet...\n const refinedMessageCountMap = ((messageCountMap: any): Map<\n
string,\n number,\n >);\n\n pendingMessageCountMap.forEach((pendingCount, message) => {\n
const previousCount = refinedMessageCountMap.get(message) || 0;\n refinedMessageCountMap.set(message,
previousCount + pendingCount);\n });\n }\n}\n\n if (!shouldFilterFiber(fiber)) {\n if
(messageCountMap != null) {\n messageCountMap.forEach(count
=> {\n newCount += count;\n });\n }\n}\n\n pendingFiberToMessageCountMap.delete(fiber);\n\n
return newCount;\n}\n\n function recordPendingErrorsAndWarnings() {\n
clearPendingErrorsAndWarningsAfterDelay();\n\n fibersWithChangedErrorOrWarningCounts.forEach(fiber =>
{\n const fiberID = getFiberIDUnsafe(fiber);\n if (fiberID === null) {\n // Don't send updates for Fibers
that didn't mount due to e.g. Suspense or an error boundary.\n } else {\n const errorCount =
mergeMapsAndGetCountHelper(\n fiber,\n fiberID,\n pendingFiberToErrorsMap,\n
fiberIDToErrorsMap,\n);\n const warningCount = mergeMapsAndGetCountHelper(\n fiber,\n
fiberID,\n pendingFiberToWarningsMap,\n fiberIDToWarningsMap,\n);\n\n
pushOperation(TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS);\n pushOperation(fiberID);\n
pushOperation(errorCount);\n
 pushOperation(warningCount);\n }\n\n // Always clean up so that we don't leak.\n
pendingFiberToErrorsMap.delete(fiber);\n pendingFiberToWarningsMap.delete(fiber);\n });\n
fibersWithChangedErrorOrWarningCounts.clear();\n}\n\n function flushPendingEvents(root: Object): void {\n //
Add any pending errors and warnings to the operations array.\n // We do this just before flushing, so we can ignore
errors for no-longer-mounted Fibers.\n recordPendingErrorsAndWarnings();\n\n if
(shouldBailoutWithPendingOperations()) {\n // If we aren't profiling, we can just bail out here.\n // No use
sending an empty update over the bridge.\n /\n // The Profiler stores metadata for each commit and
reconstructs the app tree per commit using:\n // (1) an initial tree snapshot and\n // (2) the operations array for
each commit\n // Because of this, it's important that the operations and metadata arrays align,\n //
So it's important not to omit even empty operations while profiling is active.\n return;\n }\n\n const
numUnmountIDs =\n pendingRealUnmountedIDs.length +\n pendingSimulatedUnmountedIDs.length +\n
(pendingUnmountedRootID === null ? 0 : 1);\n\n const operations = new Array(\n // Identify which renderer
this update is coming from.\n 2 + // [rendererID, rootFiberID]\n // How big is the string table?\n 1 + //
[stringTableLength]\n // Then goes the actual string table.\n pendingStringTableLength +\n // All
unmounts are batched in a single message.\n // [TREE_OPERATION_REMOVE, removedIDLength, ...ids]\n
(numUnmountIDs > 0 ? 2 + numUnmountIDs : 0) +\n // Regular operations\n pendingOperations.length,\n
);\n\n // Identify which renderer this update is coming from.\n // This enables roots to be mapped to renderers,\n
// Which in turn enables fiber props, states, and hooks to be inspected.\n
 let i = 0;\n operations[i++] = rendererID;\n operations[i++] = currentRootID;\n\n // Now fill in the string
table.\n // [stringTableLength, str1Length, ...str1, str2Length, ...str2, ...]\n operations[i++] =
pendingStringTableLength;\n pendingStringTable.forEach((entry, stringKey) => {\n const encodedString =

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entry.encodedString;\n\n // Don't use the string length.\n // It won't work for multibyte characters (like
emoji).\n const length = encodedString.length;\n\n operations[i++] = length;\n for (let j = 0; j < length; j++)
{\n operations[i + j] = encodedString[j];\n }\n\n i += length;\n });\n\n if (numUnmountIDs > 0) {\n
// All unmounts except roots are batched in a single message.\n operations[i++] =
TREE_OPERATION_REMOVE;\n // The first number is how many unmounted IDs we're gonna send.\n
operations[i++] = numUnmountIDs;\n // Fill in the real unmounts in the reverse order.\n
// They were inserted parents-first by React, but we want children-first.\n // So we traverse our array
backwards.\n for (let j = pendingRealUnmountedIDs.length - 1; j >= 0; j--) {\n operations[i++] =
pendingRealUnmountedIDs[j];\n }\n // Fill in the simulated unmounts (hidden Suspense subtrees) in their
order.\n // (We want children to go before parents.)\n // They go *after* the real unmounts because we know
for sure they won't be\n // children of already pushed "real" IDs. If they were, we wouldn't be able\n // to
discover them during the traversal, as they would have been deleted.\n for (let j = 0; j <
pendingSimulatedUnmountedIDs.length; j++) {\n operations[i + j] = pendingSimulatedUnmountedIDs[j];\n
}\n i += pendingSimulatedUnmountedIDs.length;\n // The root ID should always be unmounted last.\n if
(pendingUnmountedRootID !== null) {\n operations[i] = pendingUnmountedRootID;\n i++;\n
}\n }\n // Fill in the rest of the operations.\n for (let j = 0; j < pendingOperations.length; j++) {\n
operations[i + j] = pendingOperations[j];\n }\n i += pendingOperations.length;\n\n // Let the frontend know
about tree operations.\n flushOrQueueOperations(operations);\n\n // Reset all of the pending state now that we've
told the frontend about it.\n pendingOperations.length = 0;\n pendingRealUnmountedIDs.length = 0;\n
pendingSimulatedUnmountedIDs.length = 0;\n pendingUnmountedRootID = null;\n
pendingStringTable.clear();\n pendingStringTableLength = 0;\n }\n\n function getStringID(string: string | null):
number {\n if (string === null) {\n return 0;\n }\n const existingEntry = pendingStringTable.get(string);\n
if (existingEntry !== undefined) {\n return existingEntry.id;\n }\n\n const id = pendingStringTable.size + 1;\n
 const encodedString = utfEncodeString(string);\n\n pendingStringTable.set(string,
{\n encodedString,\n id,\n });\n\n // The string table total length needs to account both for the string
length,\n // and for the array item that contains the length itself.\n //\n // Don't use string length for this table.\n
// It won't work for multibyte characters (like emoji).\n pendingStringTableLength += encodedString.length +
1;\n\n return id;\n }\n\n function recordMount(fiber: Fiber, parentFiber: Fiber | null) {\n const isRoot = fiber.tag
=== HostRoot;\n const id = getOrGenerateFiberID(fiber);\n\n if (__DEBUG__) {\n debug('recordMount()',
fiber, parentFiber);\n }\n\n const hasOwnerMetadata = fiber.hasOwnProperty('_debugOwner');\n const
isProfilingSupported = fiber.hasOwnProperty('treeBaseDuration');\n\n // Adding a new field here would require a
bridge protocol version bump (a backwards breaking change).\n // Instead let's re-purpose a pre-existing field to
carry more information.\n let profilingFlags = 0;\n
 if (isProfilingSupported) {\n profilingFlags = PROFILING_FLAG_BASIC_SUPPORT;\n if (typeof
injectProfilingHooks === 'function') {\n profilingFlags |= PROFILING_FLAG_TIMELINE_SUPPORT;\n
}\n }\n\n if (isRoot) {\n pushOperation(TREE_OPERATION_ADD);\n pushOperation(id);\n
pushOperation(ElementTypeRoot);\n pushOperation((fiber.mode & StrictModeBits) !== 0 ? 1 : 0);\n
pushOperation(profilingFlags);\n pushOperation(StrictModeBits !== 0 ? 1 : 0);\n
pushOperation(hasOwnerMetadata ? 1 : 0);\n\n if (isProfiling) {\n if (displayNamesByRootID !== null) {\n
 displayNamesByRootID.set(id, getDisplayNameForRoot(fiber));\n }\n }\n } else {\n const {key} =
fiber;\n const displayName = getDisplayNameForFiber(fiber);\n const elementType =
getElementTypeForFiber(fiber);\n const {_debugOwner} = fiber;\n\n // Ideally we should call
getFiberIDThrows() for _debugOwner,\n // since owners
are almost always higher in the tree (and so have already been processed),\n // but in some (rare) instances
reported in open source, a descendant mounts before an owner.\n // Since this is a DEV only field it's probably
okay to also just lazily generate and ID here if needed.\n // See https://github.com/facebook/react/issues/21445\n
 const ownerID =\n _debugOwner !== null ? getOrGenerateFiberID(_debugOwner) : 0;\n const parentID =
parentFiber ? getFiberIDThrows(parentFiber) : 0;\n\n const displayNameStringID =

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getStringID(displayName);\n\n // This check is a guard to handle a React element that has been modified\n // in such a way as to bypass the default stringification of the \"key\" property.\n const keyString = key === null ?\n null : String(key);\n const keyStringID = getStringID(keyString);\n\n pushOperation(TREE_OPERATION_ADD);\n pushOperation(id);\n pushOperation(elementType);\n pushOperation(parentID);\n\n pushOperation(ownerID);\n pushOperation(displayNameStringID);\n pushOperation(keyStringID);\n\n // If this subtree has a new mode, let the frontend know.\n if (\n (fiber.mode & StrictModeBits) !== 0 &&\n (((parentFiber: any): Fiber).mode & StrictModeBits) === 0\n) {\n pushOperation(TREE_OPERATION_SET_SUBTREE_MODE);\n pushOperation(id);\n pushOperation(StrictMode);\n }\n }\n\n if (isProfilingSupported) {\n idToRootMap.set(id,\n currentRootID);\n recordProfilingDurations(fiber);\n }\n }\n\n function recordUnmount(fiber: Fiber,\n isSimulated: boolean) {\n if (__DEBUG__) {\n debug(\n 'recordUnmount()',\n fiber,\n null,\n isSimulated ? 'unmount is simulated' : '',\n);\n }\n\n if (trackedPathMatchFiber !== null) {\n // We're in\n the process of trying to restore previous selection.\n // If this fiber matched but is being unmounted, there's no\n use trying.\n // Reset the state so we don't keep holding onto it.\n if (\n fiber === trackedPathMatchFiber\n ||\n fiber === trackedPathMatchFiber.alternate\n) {\n setTrackedPath(null);\n }\n }\n\n const\n unsafeID = getFiberIDUnsafe(fiber);\n if (unsafeID === null) {\n // If we've never seen this Fiber, it might be\n inside of a legacy render Suspense fragment (so the store is not even aware of it).\n // In that case we can just\n ignore it or it will cause errors later on.\n // One example of this is a Lazy component that never resolves before\n being unmounted.\n //\n // This also might indicate a Fast Refresh force-remount scenario.\n //\n //\n\n // Flow refinement.\n const id =\n ((unsafeID: any): number);\n const isRoot = fiber.tag === HostRoot;\n if (isRoot) {\n // Roots must be\n removed only after all children (pending\n and simulated) have been removed.\n // So we track it separately.\n pendingUnmountedRootID = id;\n }\n\n else if (!shouldFilterFiber(fiber)) {\n // To maintain child-first ordering,\n // we'll push it into one of these\n queues,\n // and later arrange them in the correct order.\n if (isSimulated) {\n pendingSimulatedUnmountedIDs.push(id);\n } else {\n pendingRealUnmountedIDs.push(id);\n }\n }\n\n if (!fiber._debugNeedsRemount) {\n untrackFiberID(fiber);\n\n const isProfilingSupported =\n fiber.hasOwnProperty('treeBaseDuration');\n if (isProfilingSupported) {\n idToRootMap.delete(id);\n idToTreeBaseDurationMap.delete(id);\n }\n }\n }\n\n function mountFiberRecursively(\n firstChild:\n Fiber,\n parentFiber: Fiber | null,\n traverseSiblings: boolean,\n traceNearestHostComponentUpdate:\n boolean,\n) {\n // Iterate over siblings rather than recursing.\n // This reduces the chance\n of stack overflow for wide trees (e.g. lists with many items).\n let fiber: Fiber | null = firstChild;\n while (fiber\n !== null) {\n // Generate an ID even for filtered Fibers, in case it's needed later (e.g. for Profiling).\n getOrGenerateFiberID(fiber);\n\n if (__DEBUG__) {\n debug('mountFiberRecursively()', fiber,\n parentFiber);\n }\n\n // If we have the tree selection from previous reload, try to match this Fiber.\n // Also\n remember whether to do the same for siblings.\n const mightSiblingsBeOnTrackedPath =\n updateTrackedPathStateBeforeMount(\n fiber,\n);\n\n const shouldIncludeInTree =\n !shouldFilterFiber(fiber);\n if (shouldIncludeInTree) {\n recordMount(fiber, parentFiber);\n }\n\n if\n (traceUpdatesEnabled) {\n if (traceNearestHostComponentUpdate) {\n const elementType =\n getElementForFiber(fiber);\n // If an ancestor updated, we should mark the nearest host nodes for\n highlighting.\n\n if (elementType === ElementTypeHostComponent) {\n traceUpdatesForNodes.add(fiber.stateNode);\n\n traceNearestHostComponentUpdate = false;\n }\n }\n\n // We intentionally do not re-enable the\n traceNearestHostComponentUpdate flag in this branch,\n // because we don't want to highlight every host node\n inside of a newly mounted subtree.\n }\n\n const isSuspense = fiber.tag ===\n ReactTypeOfWork.SuspenseComponent;\n if (isSuspense) {\n const isTimedOut = fiber.memoizedState !==\n null;\n if (isTimedOut) {\n // Special case: if Suspense mounts in a timed-out state,\n // get the

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fallback child from the inner fragment and mount\n // it as if it was our own child. Updates handle this too.\n
 const primaryChildFragment = fiber.child;\n const fallbackChildFragment = primaryChildFragment\n
? primaryChildFragment.sibling\n : null;\n
 const fallbackChild = fallbackChildFragment\n ? fallbackChildFragment.child\n : null;\n if
(fallbackChild !== null) {\n mountFiberRecursively(\n fallbackChild,\n shouldIncludeInTree
? fiber : parentFiber,\n true,\n traceNearestHostComponentUpdate,\n);\n }\n } else
{\n let primaryChild: Fiber | null = null;\n const areSuspenseChildrenConditionallyWrapped =\n
OffscreenComponent === -1;\n if (areSuspenseChildrenConditionallyWrapped) {\n primaryChild =
fiber.child;\n } else if (fiber.child !== null) {\n primaryChild = fiber.child.child;\n }\n if
(primaryChild !== null) {\n mountFiberRecursively(\n primaryChild,\n shouldIncludeInTree
? fiber : parentFiber,\n true,\n traceNearestHostComponentUpdate,\n);\n
 }\n }\n } else {\n if (fiber.child !== null) {\n mountFiberRecursively(\n fiber.child,\n
 shouldIncludeInTree ? fiber : parentFiber,\n true,\n traceNearestHostComponentUpdate,\n
);\n }\n }\n\n // We're exiting this Fiber now, and entering its siblings.\n // If we have selection to
restore, we might need to re-activate tracking.\n
updateTrackedPathStateAfterMount(mightSiblingsBeOnTrackedPath);\n\n fiber = traverseSiblings ? fiber.sibling
: null;\n }\n }\n\n // We use this to simulate unmounting for Suspense trees\n // when we switch from primary to
fallback.\n function unmountFiberChildrenRecursively(fiber: Fiber) {\n if (__DEBUG__) {\n
debug('unmountFiberChildrenRecursively()', fiber);\n }\n\n // We might meet a nested Suspense on our way.\n
const isTimedOutSuspense =\n fiber.tag === ReactTypeOfWork.SuspenseComponent &&\n
 fiber.memoizedState
 !== null;\n let child = fiber.child;\n if (isTimedOutSuspense) {\n // If it's showing fallback tree, let's
traverse it instead.\n const primaryChildFragment = fiber.child;\n const fallbackChildFragment =
primaryChildFragment\n ? primaryChildFragment.sibling\n : null;\n // Skip over to the real Fiber
child.\n child = fallbackChildFragment ? fallbackChildFragment.child : null;\n }\n\n while (child !== null)
{\n // Record simulated unmounts children-first.\n // We skip nodes without return because those are real
unmounts.\n if (child.return !== null) {\n unmountFiberChildrenRecursively(child);\n
 recordUnmount(child, true);\n }\n child = child.sibling;\n }\n }\n\n function
recordProfilingDurations(fiber: Fiber) {\n const id = getFiberIDThrows(fiber);\n const {actualDuration,
treeBaseDuration} = fiber;\n\n idToTreeBaseDurationMap.set(id, treeBaseDuration || 0);\n\n if (isProfiling)
{\n const {alternate} = fiber;\n\n // It's important to update treeBaseDuration even if the current Fiber did not
render,\n // because it's possible that one of its descendants did.\n if (\n alternate == null ||\n
treeBaseDuration !== alternate.treeBaseDuration\n) {\n // Tree base duration updates are included in the
operations typed array.\n // So we have to convert them from milliseconds to microseconds so we can send them
as ints.\n const convertedTreeBaseDuration = Math.floor(\n (treeBaseDuration || 0) * 1000,\n);\n
 pushOperation(TREE_OPERATION_UPDATE_TREE_BASE_DURATION);\n pushOperation(id);\n
 pushOperation(convertedTreeBaseDuration);\n }\n\n if (alternate == null || didFiberRender(alternate, fiber))
{\n if (actualDuration !== null) {\n // The actual duration reported by React includes time spent working on
children.\n // This is useful information,
 but it's also useful to be able to exclude child durations.\n // The frontend can't compute this, since the
immediate children may have been filtered out.\n // So we need to do this on the backend.\n // Note that
this calculated self duration is not the same thing as the base duration.\n // The two are calculated differently
(tree duration does not accumulate).\n let selfDuration = actualDuration;\n let child = fiber.child;\n
 while (child !== null) {\n selfDuration -= child.actualDuration || 0;\n child = child.sibling;\n
 }\n\n // If profiling is active, store durations for elements that were rendered during the commit.\n // Note
that we should do this for any fiber we performed work on, regardless of its actualDuration value.\n // In some
cases actualDuration might be 0 for fibers we worked on (particularly if we're using Date.now)\n // In other
cases

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(e.g. Memo) actualDuration might be greater than 0 even if we \"bailed out\".\n const metadata =
((currentCommitProfilingMetadata: any): CommitProfilingData);\n metadata.durations.push(id,
actualDuration, selfDuration);\n metadata.maxActualDuration = Math.max(\n
metadata.maxActualDuration,\n actualDuration,\n);\n\n if (recordChangeDescriptions) {\n
const changeDescription = getChangeDescription(alternate, fiber);\n if (changeDescription !== null) {\n
if (metadata.changeDescriptions !== null) {\n metadata.changeDescriptions.set(id, changeDescription);\n
}\n }\n\n updateContextsForFiber(fiber);\n }\n }\n }\n }\n\n function
recordResetChildren(fiber: Fiber, childSet: Fiber) {\n if (__DEBUG__) {\n debug('recordResetChildren()',
childSet, fiber);\n }\n // The frontend only really cares about the
displayName, key, and children.\n // The first two don't really change, so we are only concerned with the order of
children here.\n // This is trickier than a simple comparison though, since certain types of fibers are filtered.\n
const nextChildren: Array<number> = [];\n\n // This is a naive implementation that shallowly recurses children.\n
 // We might want to revisit this if it proves to be too inefficient.\n let child = childSet;\n while (child !== null)
{\n findReorderedChildrenRecursively(child, nextChildren);\n child = child.sibling;\n }\n\n const
numChildren = nextChildren.length;\n if (numChildren < 2) {\n // No need to reorder.\n return;\n }\n
pushOperation(TREE_OPERATION_REORDER_CHILDREN);\n pushOperation(getFiberIDThrows(fiber));\n
pushOperation(numChildren);\n for (let i = 0; i < nextChildren.length; i++) {\n
pushOperation(nextChildren[i]);\n }\n }\n\n function findReorderedChildrenRecursively(\n
fiber: Fiber,\n nextChildren: Array<number>,\n) {\n if (!shouldFilterFiber(fiber)) {\n
nextChildren.push(getFiberIDThrows(fiber));\n } else {\n let child = fiber.child;\n const
isTimedOutSuspense =\n fiber.tag === SuspenseComponent && fiber.memoizedState !== null;\n if
(isTimedOutSuspense) {\n // Special case: if Suspense mounts in a timed-out state,\n // get the fallback
child from the inner fragment,\n // and skip over the primary child.\n const primaryChildFragment =
fiber.child;\n const fallbackChildFragment = primaryChildFragment\n ? primaryChildFragment.sibling\n
: null;\n const fallbackChild = fallbackChildFragment\n ? fallbackChildFragment.child\n : null;\n
if (fallbackChild !== null) {\n child = fallbackChild;\n }\n }\n while (child !== null) {\n
findReorderedChildrenRecursively(child, nextChildren);\n child = child.sibling;\n
}\n }\n }\n\n // Returns whether closest unfiltered fiber parent needs to reset its child list.\n function
updateFiberRecursively(\n nextFiber: Fiber,\n prevFiber: Fiber,\n parentFiber: Fiber | null,\n
traceNearestHostComponentUpdate: boolean,\n): boolean {\n const id = getOrGenerateFiberID(nextFiber);\n\n
if (__DEBUG__) {\n debug('updateFiberRecursively()', nextFiber, parentFiber);\n }\n\n if
(traceUpdatesEnabled) {\n const elementType = getElementTypeForFiber(nextFiber);\n if
(traceNearestHostComponentUpdate) {\n // If an ancestor updated, we should mark the nearest host nodes for
highlighting.\n if (elementType === ElementTypeHostComponent) {\n
traceUpdatesForNodes.add(nextFiber.stateNode);\n traceNearestHostComponentUpdate = false;\n }\n
} else {\n if (\n elementType === ElementTypeFunction ||\n elementType === ElementTypeClass
||\n elementType
=== ElementTypeContext ||\n elementType === ElementTypeMemo ||\n elementType ===
ElementTypeForwardRef\n) {\n // Otherwise if this is a traced ancestor, flag for the nearest host
descendant(s).\n traceNearestHostComponentUpdate = didFiberRender(\n prevFiber,\n
nextFiber,\n);\n }\n }\n }\n\n if (\n mostRecentlyInspectedElement !== null &&\n
mostRecentlyInspectedElement.id === id &&\n didFiberRender(prevFiber, nextFiber)\n) {\n // If this Fiber
has updated, clear cached inspected data.\n // If it is inspected again, it may need to be re-run to obtain updated
hooks values.\n hasElementUpdatedSinceLastInspected = true;\n }\n\n const shouldIncludeInTree =
!shouldFilterFiber(nextFiber);\n const isSuspense = nextFiber.tag === SuspenseComponent;\n let
shouldResetChildren = false;\n // The behavior of timed-out Suspense trees is unique.\n // Rather
than unmount the timed out content (and possibly lose important state),\n // React re-parents this content within a
hidden Fragment while the fallback is showing.\n // This behavior doesn't need to be observable in the DevTools

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though.\n // It might even result in a bad user experience for e.g. node selection in the Elements panel.\n // The
easiest fix is to strip out the intermediate Fragment fibers,\n // so the Elements panel and Profiler don't need to
special case them.\n // Suspense components only have a non-null memoizedState if they're timed-out.\n const
prevDidTimeout = isSuspense && prevFiber.memoizedState !== null;\n const nextDidTimeOut = isSuspense &&
nextFiber.memoizedState !== null;\n // The logic below is inspired by the code paths in
updateSuspenseComponent()\n // inside ReactFiberBeginWork in the React source code.\n if (prevDidTimeout
&& nextDidTimeOut) {\n // Fallback -> Fallback:\n // 1. Reconcile fallback set.\n const
nextFiberChild = nextFiber.child;\n const nextFallbackChildSet = nextFiberChild\n ?
nextFiberChild.sibling\n : null;\n // Note: We can't use nextFiber.child.sibling.alternate\n // because the
set is special and alternate may not exist.\n const prevFiberChild = prevFiber.child;\n const
prevFallbackChildSet = prevFiberChild\n ? prevFiberChild.sibling\n : null;\n if (\n
nextFallbackChildSet !== null &&\n prevFallbackChildSet !== null &&\n updateFiberRecursively(\n
nextFallbackChildSet,\n prevFallbackChildSet,\n nextFiber,\n
traceNearestHostComponentUpdate,\n)\n) {\n shouldResetChildren = true;\n }\n } else if
(prevDidTimeout && !nextDidTimeOut) {\n // Fallback -> Primary:\n // 1. Unmount fallback set\n // Note:
don't emulate fallback unmount because React actually did it.\n // 2. Mount primary set\n const
nextPrimaryChildSet
= nextFiber.child;\n if (nextPrimaryChildSet !== null) {\n mountFiberRecursively(\n
nextPrimaryChildSet,\n shouldIncludeInTree ? nextFiber : parentFiber,\n true,\n
traceNearestHostComponentUpdate,\n);\n }\n shouldResetChildren = true;\n } else if
(!prevDidTimeout && nextDidTimeOut) {\n // Primary -> Fallback:\n // 1. Hide primary set\n // This is
not a real unmount, so it won't get reported by React.\n // We need to manually walk the previous tree and record
unmounts.\n unmountFiberChildrenRecursively(prevFiber);\n // 2. Mount fallback set\n const
nextFiberChild = nextFiber.child;\n const nextFallbackChildSet = nextFiberChild\n ?
nextFiberChild.sibling\n : null;\n if (nextFallbackChildSet !== null) {\n mountFiberRecursively(\n
nextFallbackChildSet,\n shouldIncludeInTree ? nextFiber : parentFiber,\n true,\n
traceNearestHostComponentUpdate,\n
);\n shouldResetChildren = true;\n }\n } else {\n // Common case: Primary -> Primary.\n // This
is the same code path as for non-Suspense fibers.\n if (nextFiber.child !== prevFiber.child) {\n // If the first
child is different, we need to traverse them.\n // Each next child will be either a new child (mount) or an
alternate (update).\n let nextChild = nextFiber.child;\n let prevChildAtSameIndex = prevFiber.child;\n
while (nextChild) {\n // We already know children will be referentially different because\n // they are
either new mounts or alternates of previous children.\n // Schedule updates and mounts depending on whether
alternates exist.\n // We don't track deletions here because they are reported separately.\n if
(nextChild.alternate) {\n const prevChild = nextChild.alternate;\n if (\n
updateFiberRecursively(\n
nextChild,\n prevChild,\n shouldIncludeInTree ? nextFiber : parentFiber,\n
traceNearestHostComponentUpdate,\n)\n) {\n // If a nested tree child order changed but it
can't handle its own\n // child order invalidation (e.g. because it's filtered out like host nodes),\n //
propagate the need to reset child order upwards to this Fiber.\n shouldResetChildren = true;\n }\n
// However we also keep track if the order of the children matches\n // the previous order. They are always
different referentially, but\n // if the instances line up conceptually we'll want to know that.\n if
(prevChild !== prevChildAtSameIndex) {\n shouldResetChildren = true;\n }\n } else {\n
mountFiberRecursively(\n nextChild,\n shouldIncludeInTree ? nextFiber
: parentFiber,\n false,\n traceNearestHostComponentUpdate,\n);\n
shouldResetChildren = true;\n }\n // Try the next child.\n nextChild = nextChild.sibling;\n //
Advance the pointer in the previous list so that we can\n // keep comparing if they line up.\n if
(!shouldResetChildren && prevChildAtSameIndex !== null) {\n prevChildAtSameIndex =

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prevChildAtSameIndex.sibling;\n }\n }\n // If we have no more children, but used to, they don't line
up.\n if (prevChildAtSameIndex !== null) {\n shouldResetChildren = true;\n }\n } else {\n if
(traceUpdatesEnabled) {\n // If we're tracing updates and we've bailed out before reaching a host node,\n
// we should fall back to recursively marking the nearest host descendants for highlight.\n if
(traceNearestHostComponentUpdate) {\n const hostFibers
= findAllCurrentHostFibers(\n getFiberIDThrows(nextFiber),\n);\n
hostFibers.forEach(hostFiber => {\n traceUpdatesForNodes.add(hostFiber.stateNode);\n });\n
}\n }\n }\n }\n if (shouldIncludeInTree) {\n const isProfilingSupported =
nextFiber.hasOwnProperty('treeBaseDuration');\n if (isProfilingSupported) {\n
recordProfilingDurations(nextFiber);\n }\n }\n if (shouldResetChildren) {\n // We need to crawl the
subtree for closest non-filtered Fibers\n // so that we can display them in a flat children set.\n if
(shouldIncludeInTree) {\n // Normally, search for children from the rendered child.\n let nextChildSet =
nextFiber.child;\n if (nextDidTimeOut) {\n // Special case: timed-out Suspense renders the fallback set.\n
const nextFiberChild = nextFiber.child;\n nextChildSet = nextFiberChild ? nextFiberChild.sibling
: null;\n }\n if (nextChildSet !== null) {\n recordResetChildren(nextFiber, nextChildSet);\n }\n
// We've handled the child order change for this Fiber.\n // Since it's included, there's no need to invalidate
parent child order.\n return false;\n } else {\n // Let the closest unfiltered parent Fiber reset its child order
instead.\n return true;\n }\n } else {\n return false;\n }\n }\n }\n }\n function cleanup() {\n // We don't
patch any methods so there is no cleanup.\n }\n }\n function rootSupportsProfiling(root) {\n if
(root.memoizedInteractions !== null) {\n // v16 builds include this field for the scheduler/tracing API.\n return
true;\n } else if (\n root.current !== null &&\n root.current.hasOwnProperty('treeBaseDuration')\n) {\n //
The scheduler/tracing API was removed in v17 though\n // so we need to check a non-root Fiber.\n return
true;\n } else
{\n return false;\n }\n }\n }\n function flushInitialOperations() {\n const localPendingOperationsQueue =
pendingOperationsQueue;\n pendingOperationsQueue = null;\n if (\n localPendingOperationsQueue !==
null &&\n localPendingOperationsQueue.length > 0\n) {\n // We may have already queued up some
operations before the frontend connected\n // If so, let the frontend know about them.\n
localPendingOperationsQueue.forEach(operations => {\n hook.emit('operations', operations);\n });\n } else
{\n // Before the traversals, remember to start tracking\n // our path in case we have selection to restore.\n
if (trackedPath !== null) {\n mightBeOnTrackedPath = true;\n }\n // If we have not been profiling, then
we can just walk the tree and build up its current state as-is.\n hook.getFiberRoots(rendererID).forEach(root =>
{\n currentRootID = getOrGenerateFiberID(root.current);\n setRootPseudoKey(currentRootID,
root.current);\n }\n // Handle multi-renderer edge-case where only some v16 renderers support profiling.\n if
(isProfiling && rootSupportsProfiling(root)) {\n // If profiling is active, store commit time and duration.\n
// The frontend may request this information after profiling has stopped.\n currentCommitProfilingMetadata =
{\n changeDescriptions: recordChangeDescriptions ? new Map() : null,\n durations: [],\n
commitTime: getCurrentTime() - profilingStartTime,\n maxActualDuration: 0,\n priorityLevel: null,\n
updaters: getUpdatersList(root),\n effectDuration: null,\n passiveEffectDuration: null,\n
};\n }\n }\n mountFiberRecursively(root.current, null, false, false);\n flushPendingEvents(root);\n
currentRootID = -1;\n });\n }\n }\n }\n function getUpdatersList(root): Array<SerializedElement>
| null {\n return root.memoizedUpdaters !== null\n ? Array.from(root.memoizedUpdaters)\n .filter(fiber
=> getFiberIDUnsafe(fiber) !== null)\n .map(fiberToSerializedElement)\n : null;\n }\n }\n function
handleCommitFiberUnmount(fiber) {\n // This is not recursive.\n // We can't traverse fibers after unmounting so
instead\n // we rely on React telling us about each unmount.\n recordUnmount(fiber, false);\n }\n }\n function
handlePostCommitFiberRoot(root) {\n if (isProfiling && rootSupportsProfiling(root)) {\n if
(currentCommitProfilingMetadata !== null) {\n const {effectDuration, passiveEffectDuration} =
getEffectDurations(\n root,\n);\n currentCommitProfilingMetadata.effectDuration = effectDuration;\n
currentCommitProfilingMetadata.passiveEffectDuration = passiveEffectDuration;\n }\n }\n }\n }\n }\n function

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handleCommitFiberRoot(root, priorityLevel) {\n const current = root.current;\n const alternate = current.alternate;\n // Flush any pending Fibers that we are untracking before processing the\n new commit.\n // If we don't do this, we might end up double-deleting Fibers in some cases (like Legacy\n Suspense).\n untrackFibers();\n currentRootID = getOrGenerateFiberID(current);\n // Before the traversals,\n remember to start tracking\n // our path in case we have selection to restore.\n if (trackedPath !== null) {\n mightBeOnTrackedPath = true;\n }\n if (traceUpdatesEnabled) {\n traceUpdatesForNodes.clear();\n }\n // Handle multi-renderer edge-case where only some v16 renderers support profiling.\n const\n isProfilingSupported = rootSupportsProfiling(root);\n if (isProfiling && isProfilingSupported) {\n // If\n profiling is active, store commit time and duration.\n // The frontend may request this information after profiling\n has stopped.\n currentCommitProfilingMetadata = {\n changeDescriptions:\n recordChangeDescriptions ? new Map() : null,\n durations: [],\n commitTime: getCurrentTime() -\n profilingStartTime,\n maxActualDuration: 0,\n priorityLevel:\n priorityLevel == null ? null :\n formatPriorityLevel(priorityLevel),\n updaters: getUpdatersList(root),\n // Initialize to null; if new\n enough React version is running,\n // these values will be read during separate handlePostCommitFiberRoot()\n call.\n effectDuration: null,\n passiveEffectDuration: null,\n };\n if (alternate) {\n // TODO:\n relying on this seems a bit fishy.\n const wasMounted =\n alternate.memoizedState != null &&\n alternate.memoizedState.element != null;\n const isMounted =\n current.memoizedState != null &&\n current.memoizedState.element != null;\n if (!wasMounted && isMounted) {\n // Mount a new root.\n setRootPseudoKey(currentRootID, current);\n mountFiberRecursively(current,\n null, false, false);\n } else if (wasMounted && isMounted) {\n // Update an existing root.\n updateFiberRecursively(current, alternate, null, false);\n } else if (wasMounted && !isMounted) {\n // Unmount an existing root.\n removeRootPseudoKey(currentRootID);\n recordUnmount(current, false);\n }\n } else {\n // Mount a new root.\n setRootPseudoKey(currentRootID, current);\n mountFiberRecursively(current, null, false, false);\n }\n if (isProfiling && isProfilingSupported) {\n if\n (!shouldBailoutWithPendingOperations()) {\n const commitProfilingMetadata =\n ((rootToCommitProfilingMetadataMap: any): CommitProfilingMetadataMap).get(\n currentRootID,\n);\n if (commitProfilingMetadata != null) {\n commitProfilingMetadata.push(\n ((currentCommitProfilingMetadata: any): CommitProfilingData),\n);\n } else {\n ((rootToCommitProfilingMetadataMap:\n any): CommitProfilingMetadataMap).set(\n currentRootID,\n [((currentCommitProfilingMetadata:\n any): CommitProfilingData)],\n);\n }\n }\n }\n // We're done here.\n flushPendingEvents(root);\n if (traceUpdatesEnabled) {\n hook.emit('traceUpdates',\n traceUpdatesForNodes);\n }\n currentRootID = -1;\n }\n function findAllCurrentHostFibers(id: number):\n $ReadOnlyArray<Fiber> {\n const fibers = [];\n const fiber = findCurrentFiberUsingSlowPathById(id);\n if\n (!fiber) {\n return fibers;\n }\n // Next we'll drill down this component to find all HostComponent/Text.\n let node: Fiber = fiber;\n while (true) {\n if (node.tag === HostComponent || node.tag === HostText) {\n fibers.push(node);\n } else if (node.child) {\n node.child.return = node;\n node = node.child;\n }\n continue;\n }\n if (node === fiber) {\n return fibers;\n }\n while (!node.sibling) {\n if (!node.return || node.return === fiber) {\n return fibers;\n }\n node = node.return;\n }\n node.sibling.return = node.return;\n node = node.sibling;\n }\n // Flow needs\n the return here, but ESLint complains about it.\n // eslint-disable-next-line no-unreachable\n return fibers;\n}\n\nfunction findNativeNodesForFiberID(id: number) {\n try {\n let fiber =\n findCurrentFiberUsingSlowPathById(id);\n if (fiber === null) {\n return null;\n }\n // Special case for\n a timed-out Suspense.\n const isTimedOutSuspense =\n fiber.tag === SuspenseComponent &&\n fiber.memoizedState != null;\n if (isTimedOutSuspense) {\n // A timed-out Suspense's findDOMNode is\n useless.\n // Try our best to find the fallback directly.\n const maybeFallbackFiber = fiber.child &&\n fiber.child.sibling;\n if (maybeFallbackFiber != null) {\n fiber

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= maybeFallbackFiber;\n }\n }\n const hostFibers = findAllCurrentHostFibers(id);\n return
hostFibers.map(hostFiber => hostFiber.stateNode).filter(Boolean);\n } catch (err) {\n // The fiber might have
unmounted by now.\n return null;\n }\n}\n\nfunction getDisplayNameForFiberID(id) {\n const fiber =
idToArbitraryFiberMap.get(id);\n return fiber != null ? getDisplayNameForFiber(((fiber: any): Fiber)) : null;\n
}\n\nfunction getFiberIDForNative(\n hostInstance,\n findNearestUnfilteredAncestor = false,\n) {\n let fiber
= renderer.findFiberByHostInstance(hostInstance);\n if (fiber != null) {\n if (findNearestUnfilteredAncestor)
{\n while (fiber !== null && shouldFilterFiber(fiber)) {\n fiber = fiber.return;\n }\n }\n return
getFiberIDThrows(((fiber: any): Fiber));\n }\n return null;\n}\n\n// This function is copied from React and
should be kept in sync:\n// https://github.com/facebook/react/blob/main/packages/react-
reconciler/src/ReactFiberTreeReflection.js\n
function assertIsMounted(fiber) {\n if (getNearestMountedFiber(fiber) !== fiber) {\n throw new Error('Unable
to find node on an unmounted component.);\n }\n}\n\n// This function is copied from React and should be kept
in sync:\n// https://github.com/facebook/react/blob/main/packages/react-
reconciler/src/ReactFiberTreeReflection.js\n
function getNearestMountedFiber(fiber: Fiber): null | Fiber {\n let
node = fiber;\n let nearestMounted = fiber;\n if (!fiber.alternate) {\n // If there is no alternate, this might be a
new tree that isn't inserted\n // yet. If it is, then it will have a pending insertion effect on it.\n let nextNode =
node;\n do {\n node = nextNode;\n if ((node.flags & (Placement | Hydrating)) !== NoFlags) {\n //
This is an insertion or in-progress hydration. The nearest possible\n // mounted fiber is the parent
but we need to continue to figure out\n // if that one is still mounted.\n nearestMounted = node.return;\n }\n nextNode = node.return;\n } while (nextNode);\n } else {\n while (node.return) {\n node =
node.return;\n }\n }\n if (node.tag === HostRoot) {\n // TODO: Check if this was a nested HostRoot when
used with\n // renderContainerIntoSubtree.\n return nearestMounted;\n }\n // If we didn't hit the root, that
means that we're in an disconnected tree\n // that has been unmounted.\n return null;\n}\n\n// This function is
copied from React and should be kept in sync:\n// https://github.com/facebook/react/blob/main/packages/react-
reconciler/src/ReactFiberTreeReflection.js\n
// It would be nice if we updated React to inject this function directly
(vs just indirectly via findDOMNode).\n
// BEGIN copied code\n
function
findCurrentFiberUsingSlowPathById(id: number): Fiber | null {\n const
fiber = idToArbitraryFiberMap.get(id);\n if (fiber == null) {\n console.warn('Could not find Fiber with id
`${id}`');\n return null;\n }\n const alternate = fiber.alternate;\n if (!alternate) {\n // If there is no
alternate, then we only need to check if it is mounted.\n const nearestMounted =
getNearestMountedFiber(fiber);\n if (nearestMounted === null) {\n throw new Error('Unable to find node
on an unmounted component.);\n }\n if (nearestMounted !== fiber) {\n return null;\n }\n return
fiber;\n }\n // If we have two possible branches, we'll walk backwards up to the root\n // to see what path the
root points to. On the way we may hit one of the\n // special cases and we'll deal with them.\n let a: Fiber =
fiber;\n let b: Fiber = alternate;\n while (true) {\n const parentA = a.return;\n if (parentA === null) {\n // We're at the root.\n break;\n }\n const
parentB = parentA.alternate;\n if (parentB === null) {\n // There is no alternate. This is an unusual case.
Currently, it only\n // happens when a Suspense component is hidden. An extra fragment fiber\n // is
inserted in between the Suspense fiber and its children. Skip\n // over this extra fragment fiber and proceed to
the next parent.\n const nextParent = parentA.return;\n if (nextParent !== null) {\n a = b =
nextParent;\n continue;\n }\n // If there's no parent, we're at the root.\n break;\n }\n // If
both copies of the parent fiber point to the same child, we can\n // assume that the child is current. This happens
when we bailout on low\n // priority: the bailed out fiber's child reuses the current child.\n if (parentA.child
=== parentB.child) {\n let child = parentA.child;\n while (child) {\n if (child === a) {\n //
We've determined
that A is the current branch.\n assertIsMounted(parentA);\n return fiber;\n }\n if (child ===
b) {\n // We've determined that B is the current branch.\n assertIsMounted(parentA);\n return
alternate;\n }\n child = child.sibling;\n }\n }\n // We should never have an alternate for any

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mounting node. So the only\n // way this could possibly happen is if this was unmounted, if at all.\n throw
new Error('Unable to find node on an unmounted component.');
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 }\n\n if (a.return !== b.return) {\n //
The return pointer of A and the return pointer of B point to different\n // fibers. We assume that return pointers
never criss-cross, so A must\n // belong to the child set of A.return, and B must belong to the child\n // set
of B.return.\n a = parentA;\n b = parentB;\n } else {\n // The return pointers point to the same fiber.
We'll have to use the\n // default, slow path: scan the child sets of each parent alternate to see\n // which
child belongs to which set.\n /\n // Search parent A's child set\n let didFindChild = false;\n let
child = parentA.child;\n while (child) {\n if (child === a) {\n didFindChild = true;\n a =
parentA;\n b = parentB;\n break;\n }\n if (child === b) {\n didFindChild = true;\n
b = parentA;\n a = parentB;\n break;\n }\n child = child.sibling;\n }\n if
(!didFindChild) {\n // Search parent B's child set\n child = parentB.child;\n while (child) {\n
if (child === a) {\n didFindChild = true;\n a = parentB;\n b = parentA;\n break;\n
}\n if (child === b) {\n didFindChild
= true;\n b = parentB;\n a = parentA;\n break;\n }\n child = child.sibling;\n
}\n\n if (!didFindChild) {\n throw new Error(\n 'Child was not found in either parent set. This
indicates a bug ' +\n 'in React related to the return pointer. Please file an issue.');
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);\n }\n
}\n }\n\n if (a.alternate !== b) {\n throw new Error(\n '"Return fibers should always be each others'
alternates.'" +\n 'This error is likely caused by a bug in React. Please file an issue.');
```

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);\n }\n }\n\n // If the root is not a host container, we're in a disconnected tree. I.e.\n // unmounted.\n if (a.tag !== HostRoot)
{\n throw new Error('Unable to find node on an unmounted component.');
```

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 }\n\n if (a.stateNode.current ===
a) {\n // We've determined that A is the current branch.\n return
fiber;\n }\n // Otherwise B has to be current branch.\n return alternate;\n }\n\n // END copied code\n\n
function prepareViewAttributeSource(\n id: number,\n path: Array<string | number>,\n): void {\n if
(isMostRecentlyInspectedElement(id)) {\n window.$attribute = getInObject(\n
((mostRecentlyInspectedElement: any): InspectedElement),\n path,\n);\n }\n }\n\n function
prepareViewElementSource(id: number): void {\n const fiber = idToArbitraryFiberMap.get(id);\n if (fiber ==
null) {\n console.warn('Could not find Fiber with id \'' + id + '\');\n return;\n }\n\n const {elementType, tag,
type} = fiber;\n\n switch (tag) {\n case ClassComponent:\n case IncompleteClassComponent:\n case
IndeterminateComponent:\n case FunctionComponent:\n global.$type = type;\n break;\n case
ForwardRef:\n global.$type = type.render;\n break;\n case MemoComponent:\n case
SimpleMemoComponent:\n
global.$type =\n elementType != null && elementType.type != null\n ? elementType.type\n
: type;\n break;\n default:\n global.$type = null;\n break;\n }\n }\n\n function
fiberToSerializedElement(fiber: Fiber): SerializedElement {\n return {\n displayName:
getDisplayNameForFiber(fiber) || 'Anonymous',\n id: getFiberIDThrows(fiber),\n key: fiber.key,\n type:
getElementTypeForFiber(fiber),\n };\n }\n\n function getOwnersList(id: number): Array<SerializedElement> |
null {\n const fiber = findCurrentFiberUsingSlowPathById(id);\n if (fiber == null) {\n return null;\n }\n\n
const {_debugOwner} = fiber;\n const owners: Array<SerializedElement> =
[fiberToSerializedElement(fiber)];\n\n if (_debugOwner) {\n let owner = _debugOwner;\n while (owner !==
null) {\n owners.unshift(fiberToSerializedElement(owner));\n owner = owner._debugOwner
|| null;\n }\n }\n\n return owners;\n }\n\n // Fast path props lookup for React Native style editor.\n // Could
use inspectElementRaw() but that would require shallow rendering hooks components,\n // and could also mess
with memoization.\n function getInstanceAndStyle(id: number): InstanceAndStyle {\n let instance = null;\n let
style = null;\n\n const fiber = findCurrentFiberUsingSlowPathById(id);\n if (fiber !== null) {\n instance =
fiber.stateNode;\n\n if (fiber.memoizedProps !== null) {\n style = fiber.memoizedProps.style;\n }\n
}\n\n return {instance, style};\n }\n\n function isErrorBoundary(fiber: Fiber): boolean {\n const {tag, type} =
fiber;\n\n switch (tag) {\n case ClassComponent:\n case IncompleteClassComponent:\n const instance =
fiber.stateNode;\n return (\n typeof type.getDerivedStateFromError === 'function' ||\n (instance !==
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null &&\n typeof instance.componentDidCatch
=== 'function')\n);\n default:\n return false;\n }\n }\n\n function getNearestErrorBoundaryID(fiber:
Fiber): number | null {\n let parent = fiber.return;\n while (parent !== null) {\n if (isErrorBoundary(parent))
{\n return getFiberIDUnsafe(parent);\n }\n parent = parent.return;\n }\n return null;\n }\n\n function
inspectElementRaw(id: number): InspectedElement | null {\n const fiber =
findCurrentFiberUsingSlowPathById(id);\n if (fiber == null) {\n return null;\n }\n\n const {\n _debugOwner,\n _debugSource,\n stateNode,\n key,\n memoizedProps,\n memoizedState,\n dependencies,\n tag,\n type,\n } = fiber;\n\n const elementType = getElementTypeInfo(fiber);\n\n const usesHooks =\n (tag === FunctionComponent ||\n tag === SimpleMemoComponent ||\n tag === ForwardRef) &&\n (!memoizedState || !dependencies);\n\n // TODO
 Show custom UI for Cache like we do for Suspense\n // For now, just hide state data entirely since it's not meant
to be inspected.\n const showState = !usesHooks && tag !== CacheComponent;\n\n const typeSymbol =
getTypeSymbol(type);\n\n let canViewSource = false;\n let context = null;\n if (\n tag === ClassComponent\n ||\n tag === FunctionComponent\n ||\n tag === IncompleteClassComponent\n ||\n tag === IndeterminateComponent\n ||\n tag === MemoComponent\n ||\n tag === ForwardRef\n ||\n tag === SimpleMemoComponent\n) {\n canViewSource = true;\n if (stateNode && stateNode.context !== null) {\n
 // Don't show an empty context object for class components that don't use the context API.\n const
shouldHideContext =\n elementType === ElementTypeClass &&\n !(type.contextTypes ||
type.contextType);\n\n if (!shouldHideContext) {\n context = stateNode.context;\n }\n }\n } else
if (\n
 typeSymbol === CONTEXT_NUMBER ||\n typeSymbol === CONTEXT_SYMBOL_STRING\n) {\n
 // 16.3-16.5 read from "type" because the Consumer is the actual context object.\n // 16.6+ should read from
"type._context" because Consumer can be different (in DEV).\n // NOTE Keep in sync with
getDisplayNameForFiber()\n const consumerResolvedContext = type._context || type;\n\n // Global context
value.\n context = consumerResolvedContext._currentValue || null;\n\n // Look for overridden value.\n let
current = ((fiber: any): Fiber).return;\n while (current !== null) {\n const currentType = current.type;\n
const currentTypeSymbol = getTypeSymbol(currentType);\n if (\n currentTypeSymbol ===
PROVIDER_NUMBER ||\n currentTypeSymbol === PROVIDER_SYMBOL_STRING\n) {\n //
16.3.0 exposed the context object as "context"\n // PR #12501 changed it to "_context" for 16.3.1+\n //
NOTE Keep in sync with getDisplayNameForFiber()\n const providerResolvedContext =\n currentType._context || currentType.context;\n if (providerResolvedContext === consumerResolvedContext)
{\n context = current.memoizedProps.value;\n break;\n }\n }\n\n current =
current.return;\n }\n }\n\n let hasLegacyContext = false;\n if (context !== null) {\n hasLegacyContext =
!!type.contextTypes;\n\n // To simplify hydration and display logic for context, wrap in a value object.\n //
Otherwise simple values (e.g. strings, booleans) become harder to handle.\n context = {value: context};\n }\n\n let owners = null;\n if (_debugOwner) {\n owners = [];\n let owner = _debugOwner;\n while (owner !==
null) {\n owners.push(fiberToSerializedElement(owner));\n owner = owner._debugOwner || null;\n }\n }\n\n const isTimedOutSuspense =\n tag === SuspenseComponent
&& memoizedState !== null;\n\n let hooks = null;\n if (usesHooks) {\n const originalConsoleMethods =
{};\n\n // Temporarily disable all console logging before re-running the hook.\n for (const method in console)
{\n try {\n originalConsoleMethods[method] = console[method];\n // $FlowFixMe property
error|warn is not writable.\n console[method] = () => {};\n } catch (error) {\n }\n }\n\n try {\n
hooks = inspectHooksOfFiber(\n fiber,\n (renderer.currentDispatcherRef: any),\n true, // Include
source location info for hooks\n);\n } finally {\n // Restore original console functionality.\n for
(const method in originalConsoleMethods) {\n try {\n // $FlowFixMe property error|warn is not
writable.\n console[method] = originalConsoleMethods[method];\n } catch (error) {\n }\n }\n }\n }\n\n let rootType

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= null;\n let current = fiber;\n while (current.return !== null) {\n current = current.return;\n }\n const
fiberRoot = current.stateNode;\n if (fiberRoot !== null && fiberRoot._debugRootType !== null) {\n rootType =
fiberRoot._debugRootType;\n }\n\n const errors = fiberIDToErrorsMap.get(id) || new Map();\n const warnings
= fiberIDToWarningsMap.get(id) || new Map();\n\n const isErrorred =\n (fiber.flags & DidCapture) !==
NoFlags ||\n forceErrorForFiberIDs.get(id) === true;\n\n let targetErrorBoundaryID;\n if
(isErrorBoundary(fiber)) {\n // if the current inspected element is an error boundary,\n // either that we want to
use it to toggle off error state\n // or that we allow to force error state on it if it's within another\n // error
boundary\n targetErrorBoundaryID = isErrorred ? id : getNearestErrorBoundaryID(fiber);\n } else {\n
targetErrorBoundaryID = getNearestErrorBoundaryID(fiber);\n }\n\n
const plugins: Plugins = {\n stylex: null,\n };\n\n if (enableStyleXFeatures) {\n if
(memoizedProps.hasOwnProperty('xstyle')) {\n plugins.stylex = getStyleXData(memoizedProps.xstyle);\n
}\n }\n\n return {\n id,\n\n // Does the current renderer support editable hooks and function props?\n
canEditHooks: typeof overrideHookState === 'function',\n canEditFunctionProps: typeof overrideProps ===
'function',\n\n // Does the current renderer support advanced editing interface?\n
canEditHooksAndDeletePaths:\n typeof overrideHookStateDeletePath === 'function',\n
canEditHooksAndRenamePaths:\n typeof overrideHookStateRenamePath === 'function',\n
canEditFunctionPropsDeletePaths:\n typeof overridePropsDeletePath === 'function',\n
canEditFunctionPropsRenamePaths:\n typeof overridePropsRenamePath === 'function',\n\n canToggleError:
supportsTogglingError && targetErrorBoundaryID !== null,\n\n
// Is this error boundary in error state.\n isErrorred,\n targetErrorBoundaryID,\n\n canToggleSuspense:\n
supportsTogglingSuspense &&\n\n // If it's showing the real content, we can always flip fallback.\n
(!isTimedOutSuspense ||\n // If it's showing fallback because we previously forced it to,\n // allow
toggling it back to remove the fallback override.\n forceFallbackForSuspenseIDs.has(id)),\n\n // Can view
component source location.\n canViewSource,\n\n // Does the component have legacy context attached to it.\n
hasLegacyContext,\n\n key: key !== null ? key : null,\n\n displayName: getDisplayNameForFiber(fiber),\n
type: elementType,\n\n // Inspectable properties.\n\n // TODO Review sanitization approach for the below
inspectable values.\n context,\n hooks,\n props: memoizedProps,\n state: showState ? memoizedState :
null,\n errors: Array.from(errors.entries()),\n\n
warnings: Array.from(warnings.entries()),\n\n // List of owners\n owners,\n\n // Location of component
in source code.\n source: _debugSource || null,\n\n rootType,\n rendererPackageName:
renderer.rendererPackageName,\n rendererVersion: renderer.version,\n\n plugins,\n };\n }\n\n let
mostRecentlyInspectedElement: InspectedElement | null = null;\n let hasElementUpdatedSinceLastInspected:
boolean = false;\n let currentlyInspectedPaths: Object = {};\n\n function isMostRecentlyInspectedElement(id:
number): boolean {\n return (\n mostRecentlyInspectedElement !== null &&\n
mostRecentlyInspectedElement.id === id\n);\n }\n\n function isMostRecentlyInspectedElementCurrent(id:
number): boolean {\n return (\n isMostRecentlyInspectedElement(id) &&
!hasElementUpdatedSinceLastInspected\n);\n }\n\n // Track the intersection of currently inspected paths,\n // so
that we can send their data along if the element
is re-rendered.\n function mergeInspectedPaths(path: Array<string | number>) {\n let current =
currentlyInspectedPaths;\n path.forEach(key => {\n if (!current[key]) {\n current[key] = {};\n }\n
current = current[key];\n });\n }\n\n function createIsPathAllowed(\n key: string | null,\n secondaryCategory:
'hooks' | null,\n) {\n // This function helps prevent previously-inspected paths from being dehydrated in
updates.\n // This is important to avoid a bad user experience where expanded toggles collapse on update.\n
return function isPathAllowed(path: Array<string | number>): boolean {\n switch (secondaryCategory) {\n
case 'hooks':\n if (path.length === 1) {\n // Never dehydrate the \"hooks\" object at the top levels.\n
return true;\n }\n\n if (\n path[path.length - 2] === 'hookSource' &&\n path[path.length -
1] === 'fileName'\n) {\n

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 // It's important to preserve the full file name (URL) for hook sources\n // in case the user has enabled the
named hooks feature.\n // Otherwise the frontend may end up with a partial URL which it can't load.\n
return true;\n }\n\n if (\n path[path.length - 1] === 'subHooks' ||\n path[path.length - 2] ===
'subHooks'\n) {\n // Dehydrating the 'subHooks' property makes the HooksTree UI a lot more
complicated,\n // so it's easiest for now if we just don't break on this boundary.\n // We can always
dehydrate a level deeper (in the value object).\n return true;\n }\n break;\n default:\n
break;\n }\n\n let current =\n key === null ? currentlyInspectedPaths : currentlyInspectedPaths[key];\n
if (!current) {\n return false;\n }\n for (let i = 0; i < path.length; i++) {\n current = current[path[i]];\n
 if (!current) {\n return false;\n }\n }\n return true;\n};\n\nfunction
updateSelectedElement(inspectedElement: InspectedElement): void {\n const {hooks, id, props} =
inspectedElement;\n\n const fiber = idToArbitraryFiberMap.get(id);\n if (fiber === null) {\n
console.warn(`Could not find Fiber with id "${id}"`);\n return;\n }\n\n const {elementType, stateNode, tag,
type} = fiber;\n\n switch (tag) {\n case ClassComponent:\n case IncompleteClassComponent:\n case
IndeterminateComponent:\n global.$r = stateNode;\n break;\n case FunctionComponent:\n global.$r
= {\n hooks,\n props,\n type,\n };\n break;\n case ForwardRef:\n global.$r = {\n
 hooks,\n props,\n type: type.render,\n };\n break;\n case MemoComponent:\n case
SimpleMemoComponent:\n global.$r = {\n
 hooks,\n props,\n type:\n elementType !== null && elementType.type !== null\n ?
elementType.type\n : type,\n };\n break;\n default:\n global.$r = null;\n break;\n }\n
}\n\nfunction storeAsGlobal(\n id: number,\n path: Array<string | number>,\n count: number,\n): void {\n
if (isMostRecentlyInspectedElement(id)) {\n const value = getInObject(\n ((mostRecentlyInspectedElement:
any): InspectedElement),\n path,\n);\n const key = `$_reactTemp${count}`;\n\n window[key] =
value;\n\n console.log(key);\n console.log(value);\n}\n}\n\nfunction copyElementPath(id: number, path:
Array<string | number>): void {\n if (isMostRecentlyInspectedElement(id)) {\n copyToClipboard(\n
getInObject(\n ((mostRecentlyInspectedElement: any): InspectedElement),\n path,\n),\n);\n}\n}\n\nfunction inspectElement(\n
 requestID: number,\n id: number,\n path: Array<string | number> | null,\n forceFullData: boolean,\n):
InspectedElementPayload {\n if (path !== null) {\n mergeInspectedPaths(path);\n }\n\n if
(isMostRecentlyInspectedElement(id) && !forceFullData) {\n if (!hasElementUpdatedSinceLastInspected) {\n
 if (path !== null) {\n let secondaryCategory = null;\n if (path[0] === 'hooks') {\n
 secondaryCategory = 'hooks';\n }\n\n // If this element has not been updated since it was last inspected,\n
 // we can just return the subset of data in the newly-inspected path.\n return {\n id,\n
 responseID: requestID,\n type: 'hydrated-path',\n path,\n value: cleanForBridge(\n
getInObject(\n ((mostRecentlyInspectedElement: any): InspectedElement),\n path,\n),\n createIsPathAllowed(null,
secondaryCategory),\n path,\n),\n };\n } else {\n // If this element has not been
updated since it was last inspected, we don't need to return it.\n // Instead we can just return the ID to indicate
that it has not changed.\n return {\n id,\n responseID: requestID,\n type: 'no-change',\n
 };\n }\n }\n } else {\n currentlyInspectedPaths = {};\n }\n\n hasElementUpdatedSinceLastInspected = false;\n\n try {\n mostRecentlyInspectedElement =
inspectElementRaw(id);\n } catch (error) {\n console.error(`Error inspecting element.\n\n`, error);\n\n
return {\n type: 'error',\n id,\n responseID: requestID,\n message: error.message,\n stack:
error.stack,\n };\n}\n\nif (mostRecentlyInspectedElement === null) {\n return {\n id,\n responseID: requestID,\n type:
'not-found',\n };\n}\n\n// Any time an inspected element has an update,\n// we should update the selected
$r value as wel.\n// Do this before dehydration (cleanForBridge).\n
updateSelectedElement(mostRecentlyInspectedElement);\n\n// Clone before cleaning so that we preserve the full
data.\n// This will enable us to send patches without re-inspecting if hydrated paths are requested.\n// (Reducing

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how often we shallow-render is a better DX for function components that use hooks.)\n const
cleanedInspectedElement = {...mostRecentlyInspectedElement};\n cleanedInspectedElement.context =
cleanForBridge(\n cleanedInspectedElement.context,\n createIsPathAllowed('context', null),\n);\n cleanedInspectedElement.hooks = cleanForBridge(\n cleanedInspectedElement.hooks,\n createIsPathAllowed('hooks', 'hooks'),\n);\n cleanedInspectedElement.props = cleanForBridge(\n cleanedInspectedElement.props,\n createIsPathAllowed('props',
null),\n);\n cleanedInspectedElement.state = cleanForBridge(\n cleanedInspectedElement.state,\n createIsPathAllowed('state', null),\n);\n\n return {\n id,\n responseID: requestID,\n type: 'full-data',\n value: cleanedInspectedElement,\n };\n\n function logElementToConsole(id) {\n const result =
isMostRecentlyInspectedElementCurrent(id)\n ? mostRecentlyInspectedElement\n :
inspectElementRaw(id);\n if (result === null) {\n console.warn(' Could not find Fiber with id \''"$id"'");\n return;\n }\n\n const supportsGroup = typeof console.groupCollapsed === 'function';\n if (supportsGroup) {\n console.groupCollapsed(\n '[Click to expand] %c<${result.displayName || 'Component'} />',\n // --dom-tag-name-color is the CSS variable Chrome styles HTML elements with in the console.\n 'color: var(--dom-tag-name-color); font-weight: normal;'\n);\n }\n\n if (result.props
!== null) {\n console.log('Props:', result.props);\n }\n\n if (result.state !== null) {\n console.log('State:',
result.state);\n }\n\n if (result.hooks !== null) {\n console.log('Hooks:', result.hooks);\n }\n\n const
nativeNodes = findNativeNodesForFiberID(id);\n if (nativeNodes !== null) {\n console.log('Nodes:',
nativeNodes);\n }\n\n if (result.source !== null) {\n console.log('Location:', result.source);\n }\n\n if
(window.chrome || /firefox/i.test(navigator.userAgent)) {\n console.log(\n 'Right-click any value to save it as
a global variable for further inspection.'\n);\n }\n\n if (supportsGroup) {\n console.groupEnd();\n }\n\n }\n\n function deletePath(\n type: 'context' | 'hooks' | 'props' | 'state',\n id: number,\n hookID: ?number,\n path: Array<string | number>,\n): void {\n const fiber = findCurrentFiberUsingSlowPathById(id);\n if (fiber
!== null) {\n const instance = fiber.stateNode;\n\n switch (type) {\n case 'context':\n // To simplify hydration and display of primitive context values (e.g.
number, string)\n // the inspectElement() method wraps context in a {value: ...} object.\n // We need to
remove the first part of the path (the \"value\") before continuing.\n path = path.slice(1);\n\n switch
(fiber.tag) {\n case ClassComponent:\n if (path.length === 0) {\n // Simple context value
(noop)\n } else {\n deletePathInObject(instance.context, path);\n }\n\n instance.forceUpdate();\n break;\n\n case FunctionComponent:\n // Function components using
legacy context are not editable\n // because there's no instance on which to create a cloned, mutated
context.\n break;\n }\n break;\n\n case 'hooks':\n if (typeof overrideHookStateDeletePath
=== 'function') {\n overrideHookStateDeletePath(fiber, ((hookID: any): number), path);\n }\n break;\n\n case 'props':\n if (instance === null) {\n if (typeof overridePropsDeletePath === 'function') {\n overridePropsDeletePath(fiber, path);\n }\n } else {\n fiber.pendingProps =
copyWithDelete(instance.props, path);\n instance.forceUpdate();\n }\n break;\n\n case 'state':\n deletePathInObject(instance.state, path);\n instance.forceUpdate();\n break;\n }\n }\n\n function renamePath(\n type: 'context' | 'hooks' | 'props' | 'state',\n id: number,\n hookID: ?number,\n oldPath:
Array<string | number>,\n newPath: Array<string | number>,\n): void {\n const fiber =
findCurrentFiberUsingSlowPathById(id);\n if (fiber !== null) {\n const instance = fiber.stateNode;\n\n switch
(type) {\n case 'context':\n // To simplify hydration and display of primitive context values (e.g. number,
string)\n // the inspectElement() method wraps context in a {value: ...} object.\n // We need to remove the
first part of the path (the \"value\") before continuing.\n oldPath = oldPath.slice(1);\n newPath =
newPath.slice(1);\n\n switch (fiber.tag) {\n case ClassComponent:\n if (oldPath.length === 0) {\n // Simple context value (noop)\n } else {\n renamePathInObject(instance.context,
oldPath, newPath);\n }\n instance.forceUpdate();\n break;\n\n case
FunctionComponent:\n // Function components using legacy context are not editable\n // because

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there's no instance on which to create a cloned, mutated context.\n break;\n }\n break;\n case
'hooks':\n
 if (typeof overrideHookStateRenamePath === 'function') {\n overrideHookStateRenamePath(\n
fiber,\n ((hookID: any): number),\n oldPath,\n newPath,\n);\n }\n
break;\n case 'props':\n if (instance === null) {\n if (typeof overridePropsRenamePath ===
'function') {\n overridePropsRenamePath(fiber, oldPath, newPath);\n }\n } else {\n
fiber.pendingProps = copyWithRename(\n instance.props,\n oldPath,\n newPath,\n
);\n instance.forceUpdate();\n }\n break;\n case 'state':\n
renamePathInObject(instance.state, oldPath, newPath);\n instance.forceUpdate();\n break;\n }\n }\n
}\n\n function overrideValueAtPath(\n type: 'context' | 'hooks' | 'props' | 'state',\n id: number,\n hookID:
?number,\n
path: Array<string | number>,\n value: any,\n): void {\n const fiber =
findCurrentFiberUsingSlowPathById(id);\n if (fiber !== null) {\n const instance = fiber.stateNode;\n\n
switch (type) {\n case 'context':\n // To simplify hydration and display of primitive context values (e.g.
number, string)\n // the inspectElement() method wraps context in a {value: ...} object.\n // We need to
remove the first part of the path (the "value") before continuing.\n path = path.slice(1);\n\n switch
(fiber.tag) {\n case ClassComponent:\n if (path.length === 0) {\n // Simple context value\n
instance.context = value;\n } else {\n setInObject(instance.context, path, value);\n
}\n instance.forceUpdate();\n break;\n case FunctionComponent:\n // Function
components using legacy context are not
editable\n // because there's no instance on which to create a cloned, mutated context.\n break;\n
}\n break;\n case 'hooks':\n if (typeof overrideHookState === 'function') {\n
overrideHookState(fiber, ((hookID: any): number), path, value);\n }\n break;\n case 'props':\n
switch (fiber.tag) {\n case ClassComponent:\n fiber.pendingProps = copyWithSet(instance.props,
path, value);\n instance.forceUpdate();\n break;\n default:\n if (typeof overrideProps
=== 'function') {\n overrideProps(fiber, path, value);\n }\n break;\n }\n break;\n
 case 'state':\n switch (fiber.tag) {\n case ClassComponent:\n setInObject(instance.state, path,
value);\n instance.forceUpdate();\n break;\n }\n
 break;\n }\n }\n }\n\n type CommitProfilingData = {\n changeDescriptions: Map<number,
ChangeDescription> | null,\n commitTime: number,\n durations: Array<number>,\n effectDuration: number |
null,\n maxActualDuration: number,\n passiveEffectDuration: number | null,\n priorityLevel: string | null,\n
updaters: Array<SerializedElement> | null,\n };\n\n type CommitProfilingMetadataMap = Map<number,
Array<CommitProfilingData>>;\n type DisplayNamesByRootID = Map<number, string>;\n\n let
currentCommitProfilingMetadata: CommitProfilingData | null = null;\n let displayNamesByRootID:
DisplayNamesByRootID | null = null;\n let idToContextsMap: Map<number, any> | null = null;\n let
initialTreeBaseDurationsMap: Map<number, number> | null = null;\n let initialIDToRootMap: Map<number,
number> | null = null;\n let isProfiling: boolean = false;\n let profilingStartTime: number = 0;\n let
recordChangeDescriptions: boolean = false;\n let rootToCommitProfilingMetadataMap:
CommitProfilingMetadataMap | null = null;\n\n function getProfilingData(): ProfilingDataBackend {\n const
dataForRoots: Array<ProfilingDataForRootBackend> = [];\n\n if (rootToCommitProfilingMetadataMap === null)
{\n throw Error(\n 'getProfilingData() called before any profiling data was recorded',\n);\n }\n\n
rootToCommitProfilingMetadataMap.forEach(\n (commitProfilingMetadata, rootID) => {\n const
commitData: Array<CommitDataBackend> = [];\n const initialTreeBaseDurations: Array<[number, number]>
= [];\n\n const displayName =\n (displayNamesByRootID !== null &&
displayNamesByRootID.get(rootID)) ||\n 'Unknown';\n\n if (initialTreeBaseDurationsMap !== null) {\n
initialTreeBaseDurationsMap.forEach((treeBaseDuration, id) => {\n if (\n initialIDToRootMap !=
null &&\n initialIDToRootMap.get(id) === rootID\n) {\n // We don't

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 need to convert milliseconds to microseconds in this case,\n // because the profiling summary is JSON
 serialized.\n initialTreeBaseDurations.push([id, treeBaseDuration]);\n }\n });\n }\n\n commitProfilingMetadata.forEach((commitProfilingData, commitIndex) => {\n const {\n changeDescriptions,\n durations,\n effectDuration,\n maxActualDuration,\n passiveEffectDuration,\n priorityLevel,\n commitTime,\n updaters,\n } =
 commitProfilingData;\n\n const fiberActualDurations: Array<[number, number]> = [];\n const
 fiberSelfDurations: Array<[number, number]> = [];\n for (let i = 0; i < durations.length; i += 3) {\n
 const fiberID = durations[i];\n fiberActualDurations.push([fiberID, durations[i + 1]]);\n
 fiberSelfDurations.push([fiberID, durations[i + 2]]);\n }\n\n commitData.push({\n changeDescriptions:\n changeDescriptions !== null\n ?
 Array.from(changeDescriptions.entries())\n : null,\n duration: maxActualDuration,\n
 effectDuration,\n fiberActualDurations,\n fiberSelfDurations,\n passiveEffectDuration,\n
 priorityLevel,\n timestamp: commitTime,\n updaters,\n });\n });\n\n dataForRoots.push({\n commitData,\n displayName,\n initialTreeBaseDurations,\n rootID,\n
 });\n },\n);\n\n let timelineData = null;\n if (typeof getTimelineData === 'function') {\n const
 currentTimelineData = getTimelineData();\n if (currentTimelineData) {\n const {\n
 batchUIDToMeasuresMap,\n internalModuleSourceToRanges,\n laneToLabelMap,\n
 laneToReactMeasureMap,\n ...rest\n } = currentTimelineData;\n\n timelineData = {\n ...rest,\n // Most of the data is safe to parse as-is,\n // but we need to
 convert the nested Arrays back to Maps.\n // Most of the data is safe to serialize as-is,\n // but we need to
 convert the Maps to nested Arrays.\n batchUIDToMeasuresKeyValueArray: Array.from(\n
 batchUIDToMeasuresMap.entries(),\n),\n internalModuleSourceToRanges: Array.from(\n
 internalModuleSourceToRanges.entries(),\n),\n laneToLabelKeyValueArray:
 Array.from(laneToLabelMap.entries()),\n laneToReactMeasureKeyValueArray: Array.from(\n
 laneToReactMeasureMap.entries(),\n),\n };\n }\n }\n\n return {\n dataForRoots,\n
 rendererID,\n timelineData,\n };\n }\n\n function startProfiling(shouldRecordChangeDescriptions: boolean)
 {\n if (isProfiling) {\n return;\n }\n\n recordChangeDescriptions
 = shouldRecordChangeDescriptions;\n\n // Capture initial values as of the time profiling starts.\n // It's
 important we snapshot both the durations and the id-to-root map,\n // since either of these may change during the
 profiling session\n // (e.g. when a fiber is re-rendered or when a fiber gets removed).\n displayNamesByRootID
 = new Map();\n initialTreeBaseDurationsMap = new Map(idToTreeBaseDurationMap);\n initialIDToRootMap
 = new Map(idToRootMap);\n idToContextsMap = new Map();\n\n hook.getFiberRoots(rendererID).forEach(root => {\n const rootID = getFiberIDThrows(root.current);\n
 ((displayNamesByRootID: any): DisplayNamesByRootID).set(\n rootID,\n
 getDisplayNameForRoot(root.current),\n);\n\n if (shouldRecordChangeDescriptions) {\n // Record all
 contexts at the time profiling is started.\n // Fibers only store the current context value,\n // so we need to
 track them separately in order to
 determine changed keys.\n crawlToInitializeContextsMap(root.current);\n }\n });\n\n isProfiling =
 true;\n profilingStartTime = getCurrentTime();\n rootToCommitProfilingMetadataMap = new Map();\n\n if
 (toggleProfilingStatus !== null) {\n toggleProfilingStatus(true);\n }\n }\n\n function stopProfiling() {\n
 isProfiling = false;\n recordChangeDescriptions = false;\n\n if (toggleProfilingStatus !== null) {\n
 toggleProfilingStatus(false);\n }\n }\n\n // Automatically start profiling so that we don't miss timing info from
 initial \"mount\".\n if (\n sessionStorage.getItem(SESSION_STORAGE_RELOAD_AND_PROFILE_KEY) ===
 'true'\n) {\n startProfiling(\n
 sessionStorage.getItem(SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY) ===\n 'true',\n
);\n }\n\n // React will switch between these implementations depending on whether\n // we have any manually
 suspended/errored-out Fibers or not.\n function shouldErrorFiberAlwaysNull()

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{\n return null;\n }\n\n // Map of id and its force error status: true (error), false (toggled off),\n // null (do nothing)\n const forceErrorForFiberIDs = new Map();\n\n function shouldErrorFiberAccordingToMap(fiber) {\n if (typeof setErrorHandler !== 'function') {\n throw new Error(\n 'Expected overrideError() to not get called for earlier React versions.',\n);\n }\n\n const id = getFiberIDUnsafe(fiber);\n if (id === null) {\n return null;\n }\n\n let status = null;\n if (forceErrorForFiberIDs.has(id)) {\n status = forceErrorForFiberIDs.get(id);\n if (status === false) {\n // TRICKY overrideError adds entries to this Map,\n // so ideally it would be the method that clears them too,\n // but that would break the functionality of the feature,\n // since DevTools needs to tell React to act differently than it normally would\n // (don't just re-render the failed boundary, but reset its errored state too).\n // So we can only clear it after telling React to reset the state.\n // Technically this is premature and we should schedule it for later,\n // since the render could always fail without committing the updated error boundary,\n // but since this is a DEV-only feature, the simplicity is worth the trade off.\n forceErrorForFiberIDs.delete(id);\n if (forceErrorForFiberIDs.size === 0) {\n // Last override is gone. Switch React back to fast path.\n setErrorHandler(shouldErrorFiberAlwaysNull);\n }\n }\n return status;\n }\n\n function overrideError(id, forceError) {\n if (\n typeof setErrorHandler !== 'function' ||\n typeof scheduleUpdate !== 'function'\n) {\n throw new Error(\n 'Expected overrideError() to not get called for earlier React versions.',\n);\n }\n\n forceErrorForFiberIDs.set(id, forceError);\n\n if (forceErrorForFiberIDs.size === 1) {\n // First override is added. Switch React to slower path.\n setErrorHandler(shouldErrorFiberAccordingToMap);\n }\n\n const fiber = idToArbitraryFiberMap.get(id);\n if (fiber !== null) {\n scheduleUpdate(fiber);\n }\n }\n\n function shouldSuspendFiberAlwaysFalse() {\n return false;\n }\n\n const forceFallbackForSuspenseIDs = new Set();\n\n function shouldSuspendFiberAccordingToSet(fiber) {\n const maybeID = getFiberIDUnsafe(((fiber: any): Fiber));\n return maybeID !== null && forceFallbackForSuspenseIDs.has(maybeID);\n }\n\n function overrideSuspense(id, forceFallback) {\n if (\n typeof setSuspenseHandler !== 'function' ||\n typeof scheduleUpdate !== 'function'\n) {\n throw new Error(\n 'Expected overrideSuspense() to not get called for earlier React versions.',\n);\n }\n\n if (forceFallback) {\n forceFallbackForSuspenseIDs.add(id);\n if (forceFallbackForSuspenseIDs.size === 1) {\n // First override is added. Switch React to slower path.\n setSuspenseHandler(shouldSuspendFiberAccordingToSet);\n }\n } else {\n forceFallbackForSuspenseIDs.delete(id);\n if (forceFallbackForSuspenseIDs.size === 0) {\n // Last override is gone. Switch React back to fast path.\n setSuspenseHandler(shouldSuspendFiberAlwaysFalse);\n }\n }\n\n const fiber = idToArbitraryFiberMap.get(id);\n if (fiber !== null) {\n scheduleUpdate(fiber);\n }\n }\n\n // Remember if we're trying to restore the selection after reload.\n // In that case, we'll do some extra checks for matching mounts.\n let trackedPath: Array<PathFrame> | null = null;\n let trackedPathMatchFiber: Fiber | null = null;\n let trackedPathMatchDepth = -1;\n let mightBeOnTrackedPath = false;\n\n function setTrackedPath(path: Array<PathFrame> | null) {\n if (path === null) {\n trackedPathMatchFiber = null;\n trackedPathMatchDepth = -1;\n mightBeOnTrackedPath = false;\n }\n\n if (path !== null) {\n trackedPath = path;\n }\n\n // We call this before traversing a new mount.\n // It remembers whether this Fiber is the next best match for tracked path.\n // The return value signals whether we should keep matching siblings or not.\n function updateTrackedPathStateBeforeMount(fiber: Fiber): boolean {\n if (trackedPath === null || !mightBeOnTrackedPath) {\n // Fast path: there's nothing to track so do nothing and ignore siblings.\n return false;\n }\n\n const returnFiber = fiber.return;\n const returnAlternate = returnFiber !== null ? returnFiber.alternate : null;\n // By now we know there's some selection to restore, and this is a new Fiber.\n // Is this newly mounted Fiber a direct child of the current best match?\n // (This will also be true for new roots if we haven't matched anything yet.)\n if (\n trackedPathMatchFiber === returnFiber ||\n trackedPathMatchFiber === returnAlternate && returnAlternate !== null\n)\n
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) {\n // Is this the next Fiber we should select? Let's compare the frames.\n const actualFrame =
getPathFrame(fiber);\n const expectedFrame = trackedPath[trackedPathMatchDepth + 1];\n if (expectedFrame
=== undefined) {\n throw new Error('Expected to see a frame at the next depth.);\n }\n if (\n
actualFrame.index === expectedFrame.index &&\n actualFrame.key === expectedFrame.key &&\n
actualFrame.displayName === expectedFrame.displayName\n) {\n // We have our next match.\n
trackedPathMatchFiber = fiber;\n trackedPathMatchDepth++;\n // Are we out of frames to match?\n if
(trackedPathMatchDepth === trackedPath.length - 1) {\n // There's nothing that can possibly match
afterwards.\n // Don't check the children.\n mightBeOnTrackedPath = false;\n } else {\n //
Check the children, as they might reveal the next match.\n mightBeOnTrackedPath
= true;\n }\n // In either case, since we have a match, we don't need\n // to check the siblings. They'll
never match.\n return false;\n }\n }\n // This Fiber's parent is on the path, but this Fiber itself isn't.\n //
There's no need to check its children--they won't be on the path either.\n mightBeOnTrackedPath = false;\n //
However, one of its siblings may be on the path so keep searching.\n return true;\n }\n\n function
updateTrackedPathStateAfterMount(mightSiblingsBeOnTrackedPath) {\n //
updateTrackedPathStateBeforeMount() told us whether to match siblings.\n // Now that we're entering siblings,
let's use that information.\n mightBeOnTrackedPath = mightSiblingsBeOnTrackedPath;\n }\n\n // Roots don't
have a real persistent identity.\n // A root's \"pseudo key\" is \"childDisplayName:indexWithThatName\".\n // For
example, \"App:0\" or, in case of similar roots, \"Story:0\", \"Story:1\", etc.\n // We will use this
to try to disambiguate roots when restoring selection between reloads.\n const rootPseudoKeys: Map<number,
string> = new Map();\n const rootDisplayNameCounter: Map<string, number> = new Map();\n\n function
setRootPseudoKey(id: number, fiber: Fiber) {\n const name = getDisplayNameForRoot(fiber);\n const counter =
rootDisplayNameCounter.get(name) || 0;\n rootDisplayNameCounter.set(name, counter + 1);\n const pseudoKey
= `${name}:${counter}`;\n rootPseudoKeys.set(id, pseudoKey);\n }\n\n function removeRootPseudoKey(id:
number) {\n const pseudoKey = rootPseudoKeys.get(id);\n if (pseudoKey === undefined) {\n throw new
Error('Expected root pseudo key to be known.);\n }\n const name = pseudoKey.substring(0,
pseudoKey.lastIndexOf(':'));\n const counter = rootDisplayNameCounter.get(name);\n if (counter ===
undefined) {\n throw new Error('Expected counter to be known.);\n }\n if (counter > 1) {\n
rootDisplayNameCounter.set(name, counter
- 1);\n } else {\n rootDisplayNameCounter.delete(name);\n }\n rootPseudoKeys.delete(id);\n }\n\n
function getDisplayNameForRoot(fiber: Fiber): string {\n let preferredDisplayName = null;\n let
fallbackDisplayName = null;\n let child = fiber.child;\n // Go at most three levels deep into direct children\n //
while searching for a child that has a displayName.\n for (let i = 0; i < 3; i++) {\n if (child === null) {\n
break;\n }\n const displayName = getDisplayNameForFiber(child);\n if (displayName !== null) {\n //
Prefer display names that we get from user-defined components.\n // We want to avoid using e.g. 'Suspense'
unless we find nothing else.\n if (typeof child.type === 'function') {\n // There's a few user-defined tags,
but we'll prefer the ones\n // that are usually explicitly named (function or class components).\n
preferredDisplayName = displayName;\n } else if (fallbackDisplayName
=== null) {\n fallbackDisplayName = displayName;\n }\n }\n if (preferredDisplayName !== null)
{\n break;\n }\n child = child.child;\n }\n return preferredDisplayName || fallbackDisplayName ||
'Anonymous';\n }\n\n function getPathFrame(fiber: Fiber): PathFrame {\n const {key} = fiber;\n let
displayName = getDisplayNameForFiber(fiber);\n const index = fiber.index;\n switch (fiber.tag) {\n case
HostRoot:\n // Roots don't have a real displayName, index, or key.\n // Instead, we'll use the pseudo key
(childDisplayName:indexWithThatName).\n const id = getFiberIDThrows(fiber);\n const pseudoKey =
rootPseudoKeys.get(id);\n if (pseudoKey === undefined) {\n throw new Error('Expected mounted root to
have known pseudo key.);\n }\n displayName = pseudoKey;\n break;\n case HostComponent:\n
displayName = fiber.type;\n break;\n default:\n break;\n }\n return {\n displayName,\n key,\n index,\n };\n }\n\n // Produces a
serializable representation that does a best effort\n // of identifying a particular Fiber between page reloads.\n // The

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return path will contain Fibers that are \"invisible\" to the store\n // because their keys and indexes are important to
restoring the selection.\n function getPathForElement(id: number): Array<PathFrame> | null {\n let fiber =
idToArbitraryFiberMap.get(id);\n if (fiber == null) {\n return null;\n }\n const keyPath = [];\n while (fiber
!== null) {\n keyPath.push(getPathFrame(fiber));\n fiber = fiber.return;\n }\n keyPath.reverse();\n return
keyPath;\n }\n\n function getBestMatchForTrackedPath(): PathMatch | null {\n if (trackedPath === null) {\n //
Nothing to match.\n return null;\n }\n if (trackedPathMatchFiber === null) {\n // We didn't find
anything.\n return null;\n }\n\n // Find the closest Fiber store is aware of.\n let fiber = trackedPathMatchFiber;\n while (fiber !== null
&& shouldFilterFiber(fiber)) {\n fiber = fiber.return;\n }\n if (fiber === null) {\n return null;\n }\n\n return {\n id: getFiberIDThrows(fiber),\n isFullMatch: trackedPathMatchDepth === trackedPath.length - 1,\n };\n }\n\n const formatPriorityLevel = (priorityLevel: ?number) => {\n if (priorityLevel == null) {\n return
'Unknown';\n }\n\n switch (priorityLevel) {\n case ImmediatePriority:\n return 'Immediate';\n case
UserBlockingPriority:\n return 'User-Blocking';\n case NormalPriority:\n return 'Normal';\n case
LowPriority:\n return 'Low';\n case IdlePriority:\n return 'Idle';\n case NoPriority:\n default:\n return 'Unknown';\n }\n };\n\n function setTraceUpdatesEnabled(isEnabled: boolean): void {\n
traceUpdatesEnabled = isEnabled;\n\n }\n\n return {\n cleanup,\n clearErrorsAndWarnings,\n clearErrorsForFiberID,\n
clearWarningsForFiberID,\n copyElementPath,\n deletePath,\n findNativeNodesForFiberID,\n flushInitialOperations,\n getBestMatchForTrackedPath,\n getDisplayNameForFiberID,\n
getFiberIDForNative,\n getInstanceAndStyle,\n getOwnersList,\n getPathForElement,\n getProfilingData,\n handleCommitFiberRoot,\n handleCommitFiberUnmount,\n handlePostCommitFiberRoot,\n
inspectElement,\n logElementToConsole,\n patchConsoleForStrictMode,\n prepareViewAttributeSource,\n prepareViewElementSource,\n overrideError,\n overrideSuspense,\n overrideValueAtPath,\n renamePath,\n
renderer,\n setTraceUpdatesEnabled,\n setTrackedPath,\n startProfiling,\n stopProfiling,\n storeAsGlobal,\n unpatchConsoleForStrictMode,\n updateComponentFilters,\n };\n\n\"\", \"// shim for using
process in browser\n\nvar process = module.exports = {};\n\n//
cached from whatever global is present so that test runners that stub it\n// don't break things. But we need to wrap it
in a try catch in case it is\n// wrapped in strict mode code which doesn't define any globals. It's inside a\n// function
because try/catches deoptimize in certain engines.\n\nvar cachedSetTimeout;\nvar cachedClearTimeout;\n\nfunction
defaultSetTimeout() {\n throw new Error('setTimeout has not been defined');\n}\n\nfunction defaultClearTimeout ()
{\n throw new Error('clearTimeout has not been defined');\n}\n\n(function () {\n try {\n if (typeof setTimeout
=== 'function') {\n cachedSetTimeout = setTimeout;\n } else {\n cachedSetTimeout =
defaultSetTimeout;\n }\n } catch (e) {\n cachedSetTimeout = defaultSetTimeout;\n }\n try {\n if
(typeof clearTimeout === 'function') {\n cachedClearTimeout = clearTimeout;\n } else {\n
cachedClearTimeout = defaultClearTimeout;\n }\n } catch (e) {\n cachedClearTimeout = defaultClearTimeout;\n }\n })\n\n function runTimeout(fun) {\n
if (cachedSetTimeout === setTimeout) {\n //normal enviroments in sane situations\n return setTimeout(fun,
0);\n }\n // if setTimeout wasn't available but was latter defined\n if ((cachedSetTimeout === defaultSetTimeout
|| !cachedSetTimeout) && setTimeout) {\n cachedSetTimeout = setTimeout;\n return setTimeout(fun, 0);\n }\n
try {\n // when when somebody has screwed with setTimeout but no I.E. maddness\n return
cachedSetTimeout(fun, 0);\n } catch(e){\n try {\n // When we are in I.E. but the script has been evaled
so I.E. doesn't trust the global object when called normally\n return cachedSetTimeout.call(null, fun, 0);\n }
catch(e){\n // same as above but when it's a version of I.E. that must have the global object for 'this',
hopfully our context correct otherwise\n it will throw a global error\n return cachedSetTimeout.call(this, fun, 0);\n }\n }\n\n\n\nfunction
runClearTimeout(marker) {\n if (cachedClearTimeout === clearTimeout) {\n //normal enviroments in sane
situations\n return clearTimeout(marker);\n }\n // if clearTimeout wasn't available but was latter defined\n
if ((cachedClearTimeout === defaultClearTimeout || !cachedClearTimeout) && clearTimeout) {\n

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cachedClearTimeout = clearTimeout;\n return clearTimeout(marker);\n }\n try {\n // When we are in I.E. but the script has been eval'd so I.E. doesn't trust the global\n object when called normally\n return cachedClearTimeout.call(null, marker);\n } catch (e){\n // same as above but when it's a version of I.E. that must have the global\n object for 'this', hopefully our context correct otherwise it will throw a global error.\n // Some versions of I.E. have different rules for clearTimeout vs setTimeout\n return cachedClearTimeout.call(this, marker);\n }\n }\n}\n\nvar queue = [];\nvar draining = false;\nvar currentQueue;\nvar queueIndex = -1;\n\nfunction cleanUpNextTick() {\n if (!draining || !currentQueue) {\n return;\n }\n draining = false;\n if (currentQueue.length) {\n queue = currentQueue.concat(queue);\n } else {\n queueIndex = -1;\n }\n if (queue.length) {\n drainQueue();\n }\n}\n\nfunction drainQueue() {\n if (draining) {\n return;\n }\n var timeout = runTimeout(cleanUpNextTick);\n draining = true;\n var len = queue.length;\n while(len) {\n currentQueue = queue;\n queue = [];\n while(++queueIndex < len) {\n if (currentQueue) {\n currentQueue[queueIndex].run();\n }\n }\n queueIndex = -1;\n len = queue.length;\n }\n currentQueue = null;\n draining = false;\n runClearTimeout(timeout);\n}\n\nprocess.nextTick = function (fun) {\n var args = new Array(arguments.length - 1);\n if (arguments.length > 1) {\n for (var i = 1; i < arguments.length; i++) {\n args[i - 1] = arguments[i];\n }\n }\n queue.push(new Item(fun, args));\n if (queue.length === 1 && !draining) {\n runTimeout(drainQueue);\n }\n};\n\n// v8 likes predictable objects\nfunction Item(fun, array) {\n this.fun = fun;\n this.array = array;\n}\nItem.prototype.run = function () {\n this.fun.apply(null, this.array);\n};\nprocess.title = 'browser';\nprocess.browser = true;\nprocess.env = {};\nprocess.argv = [];\nprocess.version = ''; // empty string to avoid regexp issues\nprocess.versions = {};\n\nfunction noop()\n{}\n\nprocess.on = noop;\nprocess.addListener = noop;\nprocess.once = noop;\nprocess.off = noop;\nprocess.removeListener = noop;\nprocess.removeAllListeners = noop;\nprocess.emit = noop;\nprocess.prependListener = noop;\nprocess.prependOnceListener = noop;\n\nprocess.listeners = function (name) { return [] }\n\nprocess.binding = function (name) {\n throw new Error('process.binding is not supported');\n};\n\nprocess.cwd = function () { return '/' }\nprocess.chdir = function (dir) {\n throw new Error('process.chdir is not supported');\n};\nprocess.umask = function() { return 0; }\n\n"/**\n * Copyright (c)\n * Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\n@flow\n*/\n\n// ATTENTION\n// When adding new symbols to this file,\n// Please consider also adding to 'react-devtools-shared/src/backend/ReactSymbols'\n// The Symbol used to tag the ReactElement-like types.\nexport const REACT_ELEMENT_TYPE =\nSymbol.for('react.element');\nexport\nconst REACT_PORTAL_TYPE = Symbol.for('react.portal');\nexport const REACT_FRAGMENT_TYPE =\nSymbol.for('react.fragment');\nexport const REACT_STRICT_MODE_TYPE =\nSymbol.for('react.strict_mode');\nexport const REACT_PROFILER_TYPE = Symbol.for('react.profiler');\nexport\nconst REACT_PROVIDER_TYPE = Symbol.for('react.provider');\nexport const REACT_CONTEXT_TYPE =\nSymbol.for('react.context');\nexport const REACT_SERVER_CONTEXT_TYPE =\nSymbol.for('react.server_context');\nexport const REACT_FORWARD_REF_TYPE =\nSymbol.for('react.forward_ref');\nexport const REACT_SUSPENSE_TYPE = Symbol.for('react.suspense');\nexport\nconst REACT_SUSPENSE_LIST_TYPE = Symbol.for('react.suspense_list');\nexport const\nREACT_MEMO_TYPE = Symbol.for('react.memo');\nexport const REACT_LAZY_TYPE =\nSymbol.for('react.lazy');\nexport const REACT_SCOPE_TYPE = Symbol.for('react.scope');\nexport const\nREACT_DEBUG_TRACING_MODE_TYPE = Symbol.for('react.debug_trace_mode');\nexport const\nREACT_OFFSCREEN_TYPE = Symbol.for('react.offscreen');\nexport\nconst REACT_LEGACY_HIDDEN_TYPE = Symbol.for('react.legacy_hidden');\nexport const\nREACT_CACHE_TYPE = Symbol.for('react.cache');\nexport const REACT_TRACING_MARKER_TYPE =\nSymbol.for('react.tracing_marker');
```



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REACT_SERVER_CONTEXT_DEFAULT_VALUE_NOT_LOADED = Symbol.for(
 'react.default_value',\n);\n\nconst MAYBE_ITERATOR_SYMBOL = Symbol.iterator;\nconst
FAUX_ITERATOR_SYMBOL = '@@iterator';\n\nexport function getIteratorFn(maybeIterable: ?any): ?() =>
?Iterator<*> {\n if (maybeIterable === null || typeof maybeIterable !== 'object') {\n return null;\n }\n const
maybeIterator =\n (MAYBE_ITERATOR_SYMBOL && maybeIterable[MAYBE_ITERATOR_SYMBOL]) ||\n maybeIterable[FAUX_ITERATOR_SYMBOL];\n if (typeof maybeIterator === 'function') {\n return
maybeIterator;\n }\n return null;\n}\n\n", "/* Import support
https://stackoverflow.com/questions/13673346/supporting-both-commonjs-and-amd\n(function(name, definition)
{\n if (typeof module !==
 \"undefined\") { module.exports = definition(); }\n else if (typeof define === \"function\" && typeof define.amd
=== \"object\") { define(definition); }\n else { this[name] = definition(); }\n})(\"clipboard\", function() {\n if
(typeof document === 'undefined' || !document.addEventListener) {\n return null;\n }\n\n var clipboard = {};\n\n clipboard.copy = (function() {\n var _intercept = false;\n var _data = null; // Map from data type (e.g.
\"text/html\") to value.\n var _bogusSelection = false;\n\n function cleanup() {\n _intercept = false;\n _data
= null;\n if (_bogusSelection) {\n window.getSelection().removeAllRanges();\n }\n _bogusSelection =
false;\n }\n\n document.addEventListener(\"copy\", function(e) {\n if (_intercept) {\n for (var key in
_data) {\n e.clipboardData.setData(key, _data[key]);\n }\n e.preventDefault();\n }\n });\n\n //
Workaround for Safari: https://bugs.webkit.org/show_bug.cgi?id=156529\n
 function bogusSelect() {\n var sel = document.getSelection();\n // If \"nothing\" is selected...\n if
(!document.queryCommandEnabled(\"copy\") && sel.isCollapsed) {\n // ... temporarily select the entire body.\n
 /\n // We select the entire body because:\n // - it's guaranteed to exist,\n // - it works (unlike, say,
document.head, or phantom element that is\n // not inserted into the DOM),\n // - it doesn't seem to flicker
(due to the synchronous copy event), and\n // - it avoids modifying the DOM (can trigger mutation observers).\n
 /\n // Because we can't do proper feature detection (we already checked\n //
document.queryCommandEnabled(\"copy\"), which actually gives a false\n // negative for Blink when nothing
is selected) and UA sniffing is not\n // reliable (a lot of UA strings contain \"Safari\"), this will also\n //
happen for
 some browsers other than Safari. :-)\n var range = document.createRange();\n
range.selectNodeContents(document.body);\n sel.removeAllRanges();\n sel.addRange(range);\n
_bogusSelection = true;\n }\n });\n\n return function(data) {\n return new Promise(function(resolve, reject)
{\n _intercept = true;\n if (typeof data === \"string\") {\n _data = {\"text/plain\": data};\n } else if
(data instanceof Node) {\n _data = {\"text/html\": new XMLSerializer().serializeToString(data)};\n } else
if (data instanceof Object) {\n _data = data;\n } else {\n reject(\"Invalid data type. Must be string,
DOM node, or an object mapping MIME types to strings.\")\n }\n\n function triggerCopy(tryBogusSelect)
{\n try {\n if (document.execCommand(\"copy\")) {\n // document.execCommand is
synchronous: http://www.w3.org/TR/2015/WD-clipboard-apis-20150421/#integration-with-rich-text-editing-apis\n
 // So we can call resolve() back here.\n cleanup();\n resolve();\n }\n else {\n
 if (!tryBogusSelect) {\n bogusSelect();\n triggerCopy(true);\n } else {\n
cleanup();\n throw new Error(\"Unable to copy. Perhaps it's not available in your browser?\");\n }\n
 }\n } catch (e) {\n cleanup();\n reject(e);\n }\n }\n
triggerCopy(false);\n });\n });\n\n clipboard.paste = (function() {\n var _intercept = false;\n var
_resolve;\n var _dataType;\n\n document.addEventListener(\"paste\", function(e) {\n if (_intercept) {\n
_intercept = false;\n e.preventDefault();\n var resolve = _resolve;\n _resolve = null;\n
resolve(e.clipboardData.getData(_dataType));\n
 }\n });\n\n return function(dataType) {\n return new Promise(function(resolve, reject) {\n _intercept =
true;\n _resolve = resolve;\n _dataType = dataType || \"text/plain\";\n try {\n if
(!document.execCommand(\"paste\")) {\n _intercept = false;\n reject(new Error(\"Unable to paste.
Pasting only works in Internet Explorer at the moment.\"));\n }\n } catch (e) {\n _intercept = false;\n

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 reject(new Error(e));\n }\n });\n });\n\n // Handle IE behaviour.\n if (typeof ClipboardEvent\n=== \"undefined\" &&\n typeof window.clipboardData !== \"undefined\" &&\n typeof\nwindow.clipboardData.setData !== \"undefined\") {\n\n /*! promise-polyfill 2.0.1 */\n (function(a){function\nb(a,b){return function(){a.apply(b,arguments)}}function c(a){if(\"object\"!=typeof this)throw new\nTypeError(\"Promises must be constructed via new\");if(\"function\"!=typeof a)throw new\nTypeError(\"not a function\");this._state=null,this._value=null,this._deferreds=[],i(a,b(e,this),b(f,this))}function\nd(a){var b=this;return null===this._state?void this._deferreds.push(a):void j(function(){var\n c=b._state?a.onFulfilled:a.onRejected;if(null===c)return void(b._state?a.resolve:a.reject)(b._value);var\n d;try{d=c(b._value)}catch(e){return void a.reject(e)}a.resolve(d))}function e(a){try{if(a===this)throw new\n TypeError(\"A promise cannot be resolved with itself.\");if(a&&(\"object\"==typeof a||\"function\"==typeof a)){var\n c=a.then;if(\"function\"==typeof c)return void\n i(b(c,a),b(e,this),b(f,this))}this._state=!0,this._value=a,g.call(this)}catch(d){f.call(this,d)}}function\n f(a){this._state=!1,this._value=a,g.call(this)}function g(){for(var\n a=0,b=this._deferreds.length;b>a;a++)d.call(this,this._deferreds[a]);this._deferreds=null}function\n h(a,b,c,d){this.onFulfilled=\"function\"==typeof a?a:null,this.onRejected=\"function\"==typeof\n b?b:null,this.resolve=c,this.reject=d}function\n i(a,b,c){var d=!1;try{a(function(a){d||(d=!0,b(a))},function(a){d||(d=!0,c(a))})}catch(e){if(d)return;d=!0,c(e)} }var\n j=c.immediateFn||\"function\"==typeof\nsetImmediate&&setImmediate||function(a){setTimeout(a,1)},k=Array.isArray||function(a){return\"[object\nArray]\"===Object.prototype.toString.call(a)};c.prototype[\"catch\"]=function(a){return\nthis.then(null,a)},c.prototype.then=function(a,b){var e=this;return new c(function(c,f){d.call(e,new\nh(a,b,c,f))}),c.all=function(){var\na=Array.prototype.slice.call(1===arguments.length&&k(arguments[0])?arguments[0]:arguments);return new\nc(function(b,c){function d(f,g){try{if(g&&(\"object\"==typeof g||\"function\"==typeof g)){var\nh=g.then;if(\"function\"==typeof h)return void h.call(g,function(a){d(f,a)},c)}a[f]=g,0===--\ne&&b(a)}catch(i){c(i)}}if(0===a.length)return b([]);for(var\n e=a.length,f=0;f<a.length;f++)d(f,a[f])}),c.resolve=function(a){return a&&(\"object\"==typeof\na&&a.constructor===c?a:new c(function(b){b(a)})),c.reject=function(a){return\nnew c(function(b,c){c(a)}),c.race=function(a){return new c(function(b,c){for(var\n d=0,e=a.length;e>d;d++)a[d].then(b,c)}),\"undefined\"!=typeof\nmodule&&module.exports?module.exports=c:a.Promise||(a.Promise=c)})(this);\n\n clipboard.copy =\nfunction(data) {\n return new Promise(function(resolve, reject) {\n // IE supports string and URL types:\nhttps://msdn.microsoft.com/en-us/library/ms536744(v=vs.85).aspx\n // We only support the string type for\nnow.\n if (typeof data !== \"string\" && !(\"text/plain\" in data)) {\n throw new Error(\"You must provide\na text/plain type.\");\n }\n\n var strData = (typeof data === \"string\" ? data : data[\"text/plain\"]);\n\n var\ncopySucceeded = window.clipboardData.setData(\"Text\", strData);\n if (copySucceeded) {\n resolve();\n }\n else {\n reject(new Error(\"Copying was rejected.\"));\n }\n });\n\n clipboard.paste =\nfunction() {\n return\nnew Promise(function(resolve, reject) {\n var strData = window.clipboardData.getData(\"Text\");\n if\n(strData) {\n resolve(strData);\n }\n else {\n // The user rejected the paste request.\nreject(new\nError(\"Pasting was rejected.\"));\n }\n });\n\n return clipboard;\n});\n\n,\"use strict\"\n\n// A linked\nlist to keep track of recently-used-ness\nconst Yallist = require('yallist')\nconst MAX = Symbol('max')\nconst\nLENGTH = Symbol('length')\nconst LENGTH_CALCULATOR = Symbol('lengthCalculator')\nconst\nALLOW_STALE = Symbol('allowStale')\nconst MAX_AGE = Symbol('maxAge')\nconst DISPOSE =\nSymbol('dispose')\nconst NO_DISPOSE_ON_SET = Symbol('noDisposeOnSet')\nconst LRU_LIST =\nSymbol('lruList')\nconst CACHE = Symbol('cache')\nconst UPDATE_AGE_ON_GET =\nSymbol('updateAgeOnGet')\n\nconst naiveLength = () => 1\n\n// lruList is a yallist where the head is the\nyoungest\n// item, and the tail is the oldest. the list contains
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the Hit\n// objects as the entries.\n// Each Hit object has a reference to its Yallist.Node. This\n// never
changes.\n/\n// cache is a Map (or PseudoMap) that matches the keys to\n// the Yallist.Node object.\n\nclass
LRUCache {\n constructor (options) {\n if (typeof options === 'number')\n options = { max: options }\n\n if
(!options)\n options = {}\n\n if (options.max && (typeof options.max !== 'number' || options.max < 0))\n throw new TypeError('max must be a non-negative number')\n // Kind of weird to have a default max of Infinity,
but oh well.\n const max = this[MAX] = options.max || Infinity\n\n const lc = options.length || naiveLength\n this[LENGTH_CALCULATOR] = (typeof lc !== 'function') ? naiveLength : lc\n this[ALLOW_STALE] =
options.stale || false\n if (options.maxAge && typeof options.maxAge !== 'number')\n throw new
TypeError('maxAge must be a number')\n this[MAX_AGE] = options.maxAge || 0\n this[DISPOSE] =
options.dispose\n\n this[NO_DISPOSE_ON_SET] = options.noDisposeOnSet || false\n this[UPDATE_AGE_ON_GET] =
options.updateAgeOnGet || false\n this.reset()\n }\n\n // resize the cache when the max changes.\n set max (mL)\n {\n if (typeof mL !== 'number' || mL < 0)\n throw new TypeError('max must be a non-negative number')\n\n this[MAX] = mL || Infinity\n trim(this)\n }\n get max () {\n return this[MAX]\n }\n\n set allowStale
(allowStale) {\n this[ALLOW_STALE] = !!allowStale\n }\n get allowStale () {\n return
this[ALLOW_STALE]\n }\n\n set maxAge (mA) {\n if (typeof mA !== 'number')\n throw new
TypeError('maxAge must be a non-negative number')\n\n this[MAX_AGE] = mA\n trim(this)\n }\n get
maxAge () {\n return this[MAX_AGE]\n }\n\n // resize the cache when the lengthCalculator changes.\n set
lengthCalculator (lC) {\n if (typeof lC !== 'function')\n lC = naiveLength\n\n if (lC !==
this[LENGTH_CALCULATOR]) {\n this[LENGTH_CALCULATOR]
= lC\n this[LENGTH] = 0\n this[LRU_LIST].forEach(hit => {\n hit.length =
this[LENGTH_CALCULATOR](hit.value, hit.key)\n this[LENGTH] += hit.length\n })\n trim(this)\n }\n get lengthCalculator () { return this[LENGTH_CALCULATOR] }\n get length () { return this[LENGTH] }\n get itemCount () { return this[LRU_LIST].length }\n rforEach (fn, thisp) {\n thisp = thisp || this\n for (let
walker = this[LRU_LIST].tail; walker !== null;) {\n const prev = walker.prev\n forEachStep(this, fn, walker,
thisp)\n walker = prev\n }\n }\n forEach (fn, thisp) {\n thisp = thisp || this\n for (let walker =
this[LRU_LIST].head; walker !== null;) {\n const next = walker.next\n forEachStep(this, fn, walker, thisp)\n walker = next\n }\n }\n keys () {\n return this[LRU_LIST].toArray().map(k => k.key)\n }\n values () {\n return this[LRU_LIST].toArray().map(k => k.value)\n }\n\n reset () {\n if (this[DISPOSE] &&\n this[LRU_LIST] &&\n this[LRU_LIST].length) {\n this[LRU_LIST].forEach(hit => this[DISPOSE](hit.key, hit.value))\n }\n this[CACHE] = new Map() // hash
of items by key\n this[LRU_LIST] = new Yallist() // list of items in order of use recency\n this[LENGTH] = 0 //
length of items in the list\n }\n\n dump () {\n return this[LRU_LIST].map(hit =>\n isStale(this, hit) ? false :
{\n k: hit.key,\n v: hit.value,\n e: hit.now + (hit.maxAge || 0)\n }).toArray().filter(h => h)\n }\n\n dumpLru () {\n return this[LRU_LIST]\n }\n\n set (key, value, maxAge) {\n maxAge = maxAge ||
this[MAX_AGE]\n\n if (maxAge && typeof maxAge !== 'number')\n throw new TypeError('maxAge must be
a number')\n\n const now = maxAge ? Date.now() : 0\n const len = this[LENGTH_CALCULATOR](value,
key)\n\n if (this[CACHE].has(key)) {\n if (len > this[MAX]) {\n del(this, this[CACHE].get(key))\n return false\n }\n\n const node = this[CACHE].get(key)\n const item = node.value\n\n // dispose of the
old one before overwriting\n // split out into 2 ifs for better coverage tracking\n if (this[DISPOSE]) {\n if
(!this[NO_DISPOSE_ON_SET])\n this[DISPOSE](key, item.value)\n\n item.now = now\n item.maxAge = maxAge\n item.value = value\n this[LENGTH] += len - item.length\n item.length = len\n this.get(key)\n trim(this)\n return true\n }\n\n const hit = new Entry(key, value, len, now, maxAge)\n // oversized objects fall out of cache automatically.\n if (hit.length > this[MAX]) {\n if (this[DISPOSE])\n this[DISPOSE](key, value)\n\n return false\n }\n\n this[LENGTH] += hit.length\n this[LRU_LIST].unshift(hit)\n this[CACHE].set(key, this[LRU_LIST].head)\n trim(this)\n return true\n }\n if (!this[CACHE].has(key)) return false\n }

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const hit = this[CACHE].get(key).value\n return !isStale(this, hit)\n }\n\n get (key) {\n return get(this, key, true)\n }\n\n peek (key) {\n return get(this, key, false)\n }\n\n pop () {\n const node = this[LRU_LIST].tail\n if (!node)\n return null\n\n del(this, node)\n return node.value\n }\n\n del (key) {\n del(this, this[CACHE].get(key))\n }\n\n load (arr) {\n // reset the cache\n this.reset()\n\n const now = Date.now()\n // A previous serialized cache has the most recent items first\n for (let l = arr.length - 1; l >= 0; l--) {\n const hit = arr[l]\n const expiresAt = hit.e || 0\n if (expiresAt === 0)\n // the item was created without expiration in a non aged cache\n this.set(hit.k, hit.v)\n else {\n const maxAge = expiresAt - now\n // dont add already expired items\n if (maxAge > 0) {\n this.set(hit.k, hit.v, maxAge)\n }\n }\n }\n\n prune () {\n this[CACHE].forEach((value, key) => get(this, key, false))\n }\n}\n\nconst get = (self, key, doUse) => {\n const node = self[CACHE].get(key)\n if (node) {\n const hit = node.value\n if (isStale(self, hit)) {\n del(self, node)\n if (!self[ALLOW_STALE])\n return undefined\n } else {\n if (doUse) {\n if (self[UPDATE_AGE_ON_GET])\n node.value.now = Date.now()\n self[LRU_LIST].unshiftNode(node)\n }\n return hit.value\n }\n }\n\n const isStale = (self, hit) => {\n if (!hit || (!hit.maxAge && !self[MAX_AGE]))\n return false\n\n const diff = Date.now() - hit.now\n return hit.maxAge ? diff > hit.maxAge : self[MAX_AGE] && (diff > self[MAX_AGE])\n }\n\n const trim = self => {\n if (self[LENGTH] > self[MAX]) {\n for (let walker = self[LRU_LIST].tail; self[LENGTH] > self[MAX] && walker !== null;) {\n // We know that we're about to delete this one, and also\n // what the next least recently used key will be, so just\n // go ahead and set it now.\n const prev = walker.prev\n del(self, walker)\n walker = prev\n }\n }\n }\n\n const del = (self, node) => {\n if (node) {\n const hit = node.value\n if (self[DISPOSE])\n self[DISPOSE](hit.key, hit.value)\n\n self[LENGTH] -= hit.length\n self[CACHE].delete(hit.key)\n self[LRU_LIST].removeNode(node)\n }\n }\n\n class Entry {\n constructor (key, value, length, now, maxAge) {\n this.key = key\n this.value = value\n this.length = length\n this.now = now\n this.maxAge = maxAge || 0\n }\n }\n\n const forEachStep = (self, fn, node, thisp) => {\n let hit = node.value\n if (isStale(self, hit)) {\n del(self, node)\n if (!self[ALLOW_STALE])\n hit = undefined\n }\n if (hit)\n fn.call(thisp, hit.value, hit.key, self)\n }\n\n module.exports = LRUCache\n if (process.env.NODE_ENV === 'production')\n module.exports = require('./cjs/react-debug-tools.production.min.js')\n else {\n module.exports = require('./cjs/react-debug-tools.development.js')\n }\n\n /**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\n // This is a DevTools fork of shared/ConsolePatchingDev.\n // The shared console patching code is DEV-only.\n // We can't use it since DevTools only ships production builds.\n // Helpers to patch console.logs to avoid logging during side-effect free\n // replaying on render function. This currently only patches the object\n // lazily which won't cover if the log function was extracted eagerly.\n // We could also eagerly patch the method.\n\n let disabledDepth = 0\n let prevLog\n let prevInfo\n let prevWarn\n let prevError\n let prevGroup\n let prevGroupCollapsed\n let prevGroupEnd\n\n function disabledLog() {\n disabledLog.__reactDisabledLog = true\n }\n\n export function disableLogs(): void {\n if (disabledDepth === 0) {\n /* eslint-disable react-internal/no-production-logging */\n prevLog = console.log\n prevInfo = console.info\n prevWarn = console.warn\n prevError = console.error\n prevGroup = console.group\n prevGroupCollapsed = console.groupCollapsed\n prevGroupEnd = console.groupEnd\n // https://github.com/facebook/react/issues/19099\n const props = {\n configurable: true,\n enumerable: true,\n value: disabledLog,\n writable: true,\n }\n // $FlowFixMe Flow thinks console is immutable.\n Object.defineProperties(console, {\n info: props,\n log: props,\n warn: props,\n error: props,\n group: props,\n groupCollapsed: props,\n groupEnd: props,\n })\n /* eslint-enable react-internal/no-production-logging */\n }\n disabledDepth++\n }\n\n export function reenableViews(): void {\n disabledDepth--\n if (disabledDepth === 0) {\n /* eslint-disable react-internal/no-production-logging */

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```

const props = {
 configurable: true,
 enumerable: true,
 writable: true,
} // $FlowFixMe
Flow thinks console is immutable.
Object.defineProperty(console, {
 log: {...props, value: prevLog},
 info: {...props, value: prevInfo},
 warn: {...props, value: prevWarn},
 error: {...props, value: prevError},
 group: {...props, value: prevGroup},
 groupCollapsed: {...props, value: prevGroupCollapsed},
 groupEnd: {...props, value: prevGroupEnd},
});
/* eslint-enable react-internal/no-production-logging */
if (disabledDepth < 0) {
 console.error(
 'disabledDepth fell below zero.' +
 'This is a bug in React. Please file an issue.',
);
}
/**
 * Copyright (c) Facebook, Inc. and its affiliates.
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 */
@flow
*/

```

```

This is a DevTools fork of ReactComponentStackFrame.\n// This fork enables DevTools to use the same \"native\"
component stack format,\n// while still maintaining support for multiple renderer versions\n// (which use different
values for ReactTypeOfWork).\n\nimport type {Source} from 'shared/ReactElementType';\nimport type
{LazyComponent} from 'react/src/ReactLazy';\nimport type {CurrentDispatcherRef} from './types';\n\nimport {\nFORWARD_REF_NUMBER,\nFORWARD_REF_SYMBOL_STRING,\nLAZY_NUMBER,\nLAZY_SYMBOL_STRING,\nMEMO_NUMBER,\nMEMO_SYMBOL_STRING,\nSUSPENSE_NUMBER,\nSUSPENSE_SYMBOL_STRING,\nSUSPENSE_LIST_NUMBER,\nSUSPENSE_LIST_SYMBOL_STRING,\n}
from './ReactSymbols';\n\n// The shared console patching code is DEV-only.\n// We can't use it since DevTools only
ships production builds.\nimport {disableLogs, reenableViews} from './DevToolsConsolePatching';\n\nlet
prefix;\n\nexport function describeBuiltInComponentFrame(\n name: string,\n source: void | null | Source,\n ownerFn: void | null | Function,\n): string {\n if (prefix === undefined) {\n // Extract the VM specific prefix used
by each line.\n try {\n throw Error();\n } catch (x) {\n const match = x.stack.trim().match(/^\\n(*(at) ?)/);\n prefix = (match && match[1]) || \"\";\n }\n // We use the prefix to ensure our stacks line up with native stack
frames.\n return '\\n' + prefix + name;\n }\n\n let reentry = false;\n let componentFrameCache;\n if (__DEV__) {\n const PossiblyWeakMap = typeof WeakMap === 'function' ? WeakMap : Map;\n componentFrameCache = new
PossiblyWeakMap();\n }\n\n export function describeNativeComponentFrame(\n fn: Function,\n construct:
boolean,\n currentDispatcherRef: CurrentDispatcherRef,\n): string {\n // If something asked for a stack inside a
fake render, it should get ignored.\n if (!fn || reentry) {\n return \"\";\n }\n\n if (__DEV__) {\n const frame =
componentFrameCache.get(fn);\n if (frame !== undefined) {\n return
frame;\n }\n }\n\n let control;\n\n const previousPrepareStackTrace = Error.prepareStackTrace;\n //
$FlowFixMe It does accept undefined.\n Error.prepareStackTrace = undefined;\n\n reentry = true;\n\n // Override
the dispatcher so effects scheduled by this shallow render are thrown away.\n //\n // Note that unlike the code this
was forked from (in ReactComponentStackFrame)\n // DevTools should override the dispatcher even when
DevTools is compiled in production mode,\n // because the app itself may be in development mode and log
errors/warnings.\n const previousDispatcher = currentDispatcherRef.current;\n currentDispatcherRef.current =
null;\n disableLogs();\n\n try {\n // This should throw.\n if (construct) {\n // Something should be setting the
props in the constructor.\n const Fake = function() {\n throw Error();\n }; // $FlowFixMe\n Object.defineProperty(Fake.prototype, 'props', {\n set: function() {\n //
We use a throwing setter instead of frozen or non-writable props\n // because that won't throw in a non-strict
mode function.\n throw Error();\n },\n });\n if (typeof Reflect === 'object' && Reflect.construct) {\n // We construct a different control for this case to include any extra\n // frames added by the construct call.\n try {\n Reflect.construct(Fake, [],);\n } catch (x) {\n control = x;\n }\n Reflect.construct(fn, [], Fake);\n } else {\n try {\n Fake.call();\n } catch (x) {\n control = x;\n }\n fn.call(Fake.prototype);\n }\n } else {\n try {\n throw Error();\n } catch (x) {\n control = x;\n }\n fn();\n }\n } catch (sample) {\n // This is inlined manually because closure doesn't do it
for us.\n if (sample && control && typeof sample.stack === 'string') {\n // This extracts the first
frame from the sample that isn't also in the control.\n // Skipping one frame that we assume is the frame that calls
the two.\n const sampleLines = sample.stack.split('\\n');\n const controlLines = control.stack.split('\\n');\n let s = sampleLines.length - 1;\n let c = controlLines.length - 1;\n while (s >= 1 && c >= 0 &&

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sampleLines[s] !== controlLines[c]) {\n // We expect at least one stack frame to be shared.\n // Typically this will be the root most one. However, stack frames may be\n // cut off due to maximum stack limits. In this case, one maybe cut off\n // earlier than the other. We assume that the sample is longer or the same\n // and there for cut off earlier. So we should find the root most frame in\n // the sample somewhere in the control.\n c--;\n }\n for (; s >= 1 && c >= 0; s--, c--) {\n // Next we find the first one that isn't the same which should be the\n // frame that called our sample function and the control.\n if (sampleLines[s] !== controlLines[c]) {\n // In V8, the first line is describing the message but other VMs don't.\n // If we're about to return the first line, and the control is also on the same\n // line, that's a pretty good indicator that our sample threw at same line as\n // the control. I.e. before we entered the sample frame. So we ignore this result.\n // This can happen if you passed a class to function component, or non-function.\n if (s !== 1 || c !== 1) {\n do {\n s--;\n c--;\n } // We may still have similar intermediate frames from the construct call.\n // The next one that isn't the same should be our match though.\n if (c < 0 || sampleLines[s] !== controlLines[c]) {\n // V8 adds a \"new\" prefix for native classes. Let's remove it to make it prettier.\n const frame = '\\n' + sampleLines[s].replace(' at new ', ' at ');\n if (__DEV__) {\n if (typeof fn === 'function') {\n componentFrameCache.set(fn, frame);\n }\n }\n // Return the line we found.\n return frame;\n }\n }\n } while (s >= 1 && c >= 0);\n }\n break;\n}\n}\n}\n} finally {\n reentry = false;\n Error.prepareStackTrace = previousPrepareStackTrace;\n currentDispatcherRef.current = previousDispatcher;\n reenableLogs();\n}\n// Fallback to just using the name if we couldn't make it throw.\nconst name = fn ? fn.displayName || fn.name : '';\nconst syntheticFrame = name ? describeBuiltInComponentFrame(name) : '';\nif (__DEV__) {\n if (typeof fn === 'function') {\n componentFrameCache.set(fn, syntheticFrame);\n }\n}\nreturn syntheticFrame;\n}\n\nexport function describeClassComponentFrame(\n ctor: Function,\n source: void | null | Source,\n ownerFn: void | null | Function,\n currentDispatcherRef: CurrentDispatcherRef,\n): string {\n return describeNativeComponentFrame(ctor, true, currentDispatcherRef);\n}\n\nexport function describeFunctionComponentFrame(\n fn: Function,\n source: void | null | Source,\n ownerFn: void | null | Function,\n currentDispatcherRef: CurrentDispatcherRef,\n): string {\n return describeNativeComponentFrame(fn, false, currentDispatcherRef);\n}\n\nfunction shouldConstruct(Component: Function) {\n const prototype = Component.prototype;\n return !!(prototype && prototype.isReactComponent);\n}\n\nexport function describeUnknownElementTypeFrameInDEV(\n type: any,\n source: void | null | Source,\n ownerFn: void | null | Function,\n currentDispatcherRef: CurrentDispatcherRef,\n): string {\n if (!__DEV__) {\n return '';\n }\n if (type == null) {\n return '';\n }\n if (typeof type === 'function') {\n return describeNativeComponentFrame(\n type,\n shouldConstruct(type),\n currentDispatcherRef,\n);\n }\n if (typeof type === 'string') {\n return describeBuiltInComponentFrame(type, source, ownerFn);\n }\n switch (type) {\n case SUSPENSE_NUMBER:\n case SUSPENSE_SYMBOL_STRING:\n return describeBuiltInComponentFrame('Suspense', source, ownerFn);\n case SUSPENSE_LIST_NUMBER:\n case SUSPENSE_LIST_SYMBOL_STRING:\n return describeBuiltInComponentFrame('SuspenseList', source, ownerFn);\n }\n if (typeof type === 'object') {\n switch (type.$$typeof) {\n case FORWARD_REF_NUMBER:\n case FORWARD_REF_SYMBOL_STRING:\n return describeFunctionComponentFrame(\n type.render,\n source,\n ownerFn,\n currentDispatcherRef,\n);\n case MEMO_NUMBER:\n case MEMO_SYMBOL_STRING:\n // Memo may contain any component type so we recursively resolve it.\n return describeUnknownElementTypeFrameInDEV(\n type.type,\n source,\n ownerFn,\n currentDispatcherRef,\n);\n case LAZY_NUMBER:\n case LAZY_SYMBOL_STRING:\n {\n const lazyComponent: LazyComponent<any, any> = (type: any);\n const payload = lazyComponent._payload;\n const init = lazyComponent._init;\n try {\n // Lazy may contain any component type so we recursively resolve it.\n return

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describeUnknownElementTypeFrameInDEV(\n init(payload),\n source,\n ownerFn,\n currentDispatcherRef,\n);\n } catch (x) {\n }\n }\n }\n return ";\n}\n",`/*\n * Copyright (c)\n * Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\n// This is a DevTools fork of\n// ReactFiberComponentStack.\n// This fork enables DevTools to use the same "native" component stack\n// format,\n// while still maintaining support for multiple renderer versions\n// (which use different values for\n// ReactTypeOfWork).\n\nimport type {Fiber} from 'react-reconciler/src/ReactInternalTypes';\nimport type\n{CurrentDispatcherRef, WorkTagMap} from './types';\nimport {\n describeBuiltInComponentFrame,\n describeFunctionComponentFrame,\n describeClassComponentFrame,\n} from\n'./DevToolsComponentStackFrame';\n\nfunction describeFiber(\n workTagMap: WorkTagMap,\n workInProgress:\n Fiber,\n currentDispatcherRef: CurrentDispatcherRef,\n): string {\n const {\n HostComponent,\n LazyComponent,\n SuspenseComponent,\n SuspenseListComponent,\n FunctionComponent,\n IndeterminateComponent,\n SimpleMemoComponent,\n ForwardRef,\n ClassComponent,\n } =\n workTagMap;\n\n const owner: null | Function = __DEV__\n ? workInProgress._debugOwner\n ?\n workInProgress._debugOwner.type\n : null\n : null;\n\n const source = __DEV__\n ?\n workInProgress._debugSource\n : null;\n\n switch (workInProgress.tag) {\n case HostComponent:\n return\n describeBuiltInComponentFrame(workInProgress.type, source, owner);\n case LazyComponent:\n return\n describeBuiltInComponentFrame('Lazy', source, owner);\n case SuspenseComponent:\n return\n describeBuiltInComponentFrame('Suspense', source, owner);\n case SuspenseListComponent:\n return\n describeBuiltInComponentFrame('SuspenseList', source, owner);\n case FunctionComponent:\n case\n IndeterminateComponent:\n case SimpleMemoComponent:\n return describeFunctionComponentFrame(\n workInProgress.type,\n source,\n owner,\n currentDispatcherRef,\n);\n case ForwardRef:\n return describeFunctionComponentFrame(\n workInProgress.type.render,\n source,\n owner,\n currentDispatcherRef,\n);\n case ClassComponent:\n return describeClassComponentFrame(\n workInProgress.type,\n source,\n owner,\n currentDispatcherRef,\n);\n default:\n return ";\n}\n}\n\nexport function\ngetStackByFiberInDevAndProd(\n workTagMap: WorkTagMap,\n workInProgress: Fiber,\n currentDispatcherRef: CurrentDispatcherRef,\n): string {\n try {\n let info = ";\n let node = workInProgress;\n do {\n info += describeFiber(workTagMap, node, currentDispatcherRef);\n node = node.return;\n } while\n (node);\n return info;\n } catch (x) {\n return `\\nError generating stack: ` + x.message + `\\n` + x.stack;\n }\n}\n",`var scope = (typeof global !== "undefined" && global) ||\n (typeof self !== "undefined" && self)\n ||\n window;\n\nvar apply = Function.prototype.apply;\n\n// DOM APIs, for\ncompleteness\n\nexports.setTimeout = function() {\n return new Timeout(apply.call(setTimeout, scope, arguments),\n clearTimeout);\n};\nexports.setInterval = function() {\n return new Timeout(apply.call(setInterval, scope,\n arguments),\n clearInterval);\n};\nexports.clearTimeout\n =\nexports.clearInterval = function(timeout) {\n if (timeout) {\n timeout.close();\n }\n};\n\nfunction Timeout(id,\n clearFn) {\n this._id = id;\n this._clearFn = clearFn;\n}\n\nTimeout.prototype.unref = Timeout.prototype.ref =\nfunction() {};\n\nTimeout.prototype.close = function() {\n this._clearFn.call(scope, this._id);\n};\n\n// Does not start\nthe time, just sets up the members needed.\n\nexports.enroll = function(item, msecs) {\n clearTimeout(item._idleTimeoutId);\n item._idleTimeout = msecs;\n};\n\nexports.unenroll = function(item) {\n clearTimeout(item._idleTimeoutId);\n item._idleTimeout = -1;\n};\n\nexports._unrefActive = exports.active =\nfunction(item) {\n clearTimeout(item._idleTimeoutId);\n\n var msecs = item._idleTimeout;\n if (msecs >= 0) {\n item._idleTimeoutId = setTimeout(function onTimeout() {\n if (item._onTimeout)\n item._onTimeout();\n }, msecs);\n }\n};\n\n// setimmediate attaches itself to the global object\nrequire("setimmediate");\n\n// On some exotic environments, it's not clear which object `setImmediate` was\n// able to install onto. Search each\npossibility in the same order as the\n`setImmediate` library.\nexports.setImmediate = (typeof self !==\n "undefined" && self.setImmediate) ||\n (typeof global !== "undefined" && global.setImmediate)

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||\n (this && this.setImmediate);\nexports.clearImmediate = (typeof self !== \"undefined\" &&
self.clearImmediate) ||\n (typeof global !== \"undefined\" && global.clearImmediate) ||\n (this && this.clearImmediate);\n\n(function (global, undefined) {\n \"use strict\";\n\n if (global.setImmediate)
{\n return;\n }\n\n var nextHandle = 1; // Spec says greater than zero\n var tasksByHandle = {};\n var currentlyRunningATask = false;\n var doc = global.document;\n var registerImmediate;\n\n function
setImmediate(callback) {\n // Callback can either be a function or a string\n if (typeof callback !== \"function\") {\n callback = new
Function(\"\" + callback);\n }\n // Copy function arguments\n var args = new Array(arguments.length -
1);\n for (var i = 0; i < args.length; i++) {\n args[i] = arguments[i + 1];\n }\n // Store and register the
task\n var task = { callback: callback, args: args };
tasksByHandle[nextHandle] = task;\n registerImmediate(nextHandle);\n return nextHandle++;\n }\n\n function clearImmediate(handle) {\n delete tasksByHandle[handle];\n }\n\n function run(task) {\n var callback = task.callback;\n var args =
task.args;\n switch (args.length) {\n case 0:\n callback();\n break;\n case 1:\n callback(args[0]);\n break;\n case 2:\n callback(args[0], args[1]);\n break;\n case 3:\n callback(args[0], args[1], args[2]);\n break;\n default:\n callback.apply(undefined, args);\n break;\n }\n }\n\n function runIfPresent(handle) {\n // From the spec: \"Wait until any invocations of
this algorithm started before this one have completed.\"\n // So if we're currently running a task, we'll need to
delay this invocation.\n if (currentlyRunningATask) {\n // Delay by doing a setTimeout. setImmediate
was tried instead, but in Firefox 7 it generated a
// \"too much recursion\" error.\n setTimeout(runIfPresent, 0, handle);\n } else {\n var task = tasksByHandle[handle];\n if (task) {\n currentlyRunningATask = true;\n try {\n run(task);\n } finally {\n clearImmediate(handle);\n currentlyRunningATask = false;\n }\n }\n }\n }\n\n function installNextTickImplementation() {\n registerImmediate = function(handle) {\n process.nextTick(function () { runIfPresent(handle); });\n };\n }\n\n function canUsePostMessage() {\n // The test against `importScripts` prevents this implementation from being installed inside a web worker,\n // where `global.postMessage` means something completely different and can't be used for this purpose.\n if
(global.postMessage && !global.importScripts) {\n var postMessageIsAsynchronous = true;\n var
oldOnMessage = global.onmessage;\n global.onmessage = function() {\n postMessageIsAsynchronous = false;\n };\n global.postMessage(\"\", \"*\");\n global.onmessage
= oldOnMessage;\n return postMessageIsAsynchronous;\n }\n }\n\n function
installPostMessageImplementation() {\n // Installs an event handler on `global`
for the `message` event: see\n // * https://developer.mozilla.org/en/DOM/window.postMessage\n // *
http://www.whatwg.org/specs/web-apps/current-work/multipage/comms.html#crossDocumentMessages\n var
messagePrefix = \"setImmediate$\" + Math.random() + \"$\";\n var onGlobalMessage = function(event) {\n if (event.source === global &&\n typeof event.data === \"string\" &&\n event.data.indexOf(messagePrefix) === 0) {\n runIfPresent(+event.data.slice(messagePrefix.length));\n }\n };\n if (global.addEventListener) {\n global.addEventListener(\"message\",
onGlobalMessage, false);\n } else {\n global.attachEvent(\"onmessage\", onGlobalMessage);\n }\n registerImmediate = function(handle) {\n global.postMessage(messagePrefix + handle, \"*\");\n };\n }\n\n function installMessageChannelImplementation() {\n var channel = new MessageChannel();\n channel.port1.onmessage = function(event) {\n var handle =
event.data;\n runIfPresent(handle);\n };\n registerImmediate = function(handle) {\n channel.port2.postMessage(handle);\n };\n }\n\n function installReadyStateChangeImplementation() {\n var html = doc.documentElement;\n registerImmediate = function(handle) {\n // Create a <script>
element; its readystatechange event will be fired asynchronously once it is inserted\n // into the document. Do
so, thus queuing up the task. Remember to clean up once it's been called.\n var script =
doc.createElement(\"script\");\n script.onreadystatechange = function () {\n runIfPresent(handle);\n script.onreadystatechange = null;\n html.removeChild(script);\n script = null;\n };\n };\n }\n}

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html.appendChild(script);\n
};\n }\n\n function installSetTimeoutImplementation() {\n registerImmediate = function(handle) {\n setTimeout(runIfPresent, 0, handle);\n };\n }\n\n // If supported, we should attach to the prototype of
global, since that is where setTimeout et al. live.\n var attachTo = Object.getPrototypeOf &&
Object.getPrototypeOf(global);\n attachTo = attachTo && attachTo.setTimeout ? attachTo : global;\n\n // Don't
get fooled by e.g. browserify environments.\n if ({}.toString.call(global.process) === '[object process]') {\n
// For Node.js before 0.9\n installNextTickImplementation();\n\n } else if (canUsePostMessage()) {\n //
For non-IE10 modern browsers\n installPostMessageImplementation();\n\n } else if (global.MessageChannel)
{\n // For web workers, where supported\n installMessageChannelImplementation();\n\n } else if (doc
&& 'onreadystatechange' in doc.createElement('script'))
{\n // For IE 6–8\n installReadyStateChangeImplementation();\n\n } else {\n // For older browsers\n
installSetTimeoutImplementation();\n }\n\n attachTo.setImmediate = setImmediate;\n
attachTo.clearImmediate = clearImmediate;\n})(typeof self === 'undefined' ? typeof global === 'undefined' ?
this : global : self));\n", "use strict"\nmodule.exports = Yallist\n\nYallist.Node = Node\nYallist.create =
Yallist\n\nfunction Yallist (list) {\n var self = this\n if (!(self instanceof Yallist)) {\n self = new Yallist()\n }\n\n self.tail = null\n self.head = null\n self.length = 0\n\n if (list && typeof list.forEach === 'function') {\n
list.forEach(function (item) {\n self.push(item)\n })\n } else if (arguments.length > 0) {\n for (var i = 0, l =
arguments.length; i < l; i++) {\n self.push(arguments[i])\n }\n }\n\n return
self\n}\n\nYallist.prototype.removeNode = function (node) {\n if (node.list !== this) {\n throw new
Error('removing node which does not belong to this list')\n }\n\n var next = node.next\n var prev = node.prev\n\n if (next) {\n next.prev = prev\n }\n\n if (prev) {\n prev.next = next\n }\n\n if (node === this.head) {\n
this.head = next\n }\n if (node === this.tail) {\n this.tail = prev\n }\n\n node.list.length--\n node.next = null\n
node.prev = null\n node.list = null\n\n return next\n}\n\nYallist.prototype.unshiftNode = function (node) {\n if
(node === this.head) {\n return\n }\n\n if (node.list) {\n node.list.removeNode(node)\n }\n\n var head =
this.head\n node.list = this\n node.next = head\n if (head) {\n head.prev = node\n }\n\n this.head = node\n if
(!this.tail) {\n this.tail = node\n }\n this.length++\n}\n\nYallist.prototype.pushNode = function (node) {\n if
(node === this.tail) {\n return\n }\n\n if (node.list) {\n node.list.removeNode(node)\n }\n\n var tail =
this.tail\n node.list = this\n node.prev = tail\n
if (tail) {\n tail.next = node\n }\n\n this.tail = node\n if (!this.head) {\n this.head = node\n }\n
this.length++\n}\n\nYallist.prototype.push = function () {\n for (var i = 0, l = arguments.length; i < l; i++) {\n
push(this, arguments[i])\n }\n return this.length\n}\n\nYallist.prototype.unshift = function () {\n for (var i = 0, l =
arguments.length; i < l; i++) {\n unshift(this, arguments[i])\n }\n return this.length\n}\n\nYallist.prototype.pop =
function () {\n if (!this.tail) {\n return undefined\n }\n\n var res = this.tail.value\n this.tail = this.tail.prev\n if
(this.tail) {\n this.tail.next = null\n } else {\n this.head = null\n }\n this.length--\n return
res\n}\n\nYallist.prototype.shift = function () {\n if (!this.head) {\n return undefined\n }\n\n var res =
this.head.value\n this.head = this.head.next\n if (this.head) {\n this.head.prev = null\n } else {\n this.tail =
null\n }\n this.length--\n return res\n}\n\nYallist.prototype.forEach
= function (fn, thisp) {\n thisp = thisp || this\n for (var walker = this.head, i = 0; walker !== null; i++) {\n
fn.call(thisp, walker.value, i, this)\n walker = walker.next\n }\n}\n\nYallist.prototype.forEachReverse = function
(fn, thisp) {\n thisp = thisp || this\n for (var walker = this.tail, i = this.length - 1; walker !== null; i--) {\n
fn.call(thisp, walker.value, i, this)\n walker = walker.prev\n }\n}\n\nYallist.prototype.get = function (n) {\n for
(var i = 0, walker = this.head; walker !== null && i < n; i++) {\n // abort out of the list early if we hit a cycle\n
walker = walker.next\n }\n if (i === n && walker !== null) {\n return walker.value\n }\n}\n\nYallist.prototype.getReverse = function (n) {\n for (var i = 0, walker = this.tail; walker !== null && i < n;
i++) {\n // abort out of the list early if we hit a cycle\n walker = walker.prev\n }\n if (i === n && walker !==
null) {\n return walker.value\n }\n}\n\nYallist.prototype.map
= function (fn, thisp) {\n thisp = thisp || this\n var res = new Yallist()\n for (var walker = this.head; walker !==
null;) {\n res.push(fn.call(thisp, walker.value, this))\n walker = walker.next\n }\n return

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res\n}\n\nYallist.prototype.mapReverse = function (fn, thisp) {\n thisp = thisp || this\n var res = new Yallist()\n for (var walker = this.tail; walker !== null;) {\n res.push(fn.call(thisp, walker.value, this))\n walker = walker.prev\n }\n return res\n}\n\nYallist.prototype.reduce = function (fn, initial) {\n var acc\n var walker = this.head\n if (arguments.length > 1) {\n acc = initial\n } else if (this.head) {\n walker = this.head.next\n acc = this.head.value\n } else {\n throw new TypeError('Reduce of empty list with no initial value')\n }\n for (var i = 0; walker !== null; i++) {\n acc = fn(acc, walker.value, i)\n walker = walker.next\n }\n return acc\n}\n\nYallist.prototype.reduceReverse = function (fn, initial) {\n var acc\n var walker = this.tail\n if (arguments.length > 1) {\n acc = initial\n } else if (this.tail) {\n walker = this.tail.prev\n acc = this.tail.value\n } else {\n throw new TypeError('Reduce of empty list with no initial value')\n }\n for (var i = this.length - 1; walker !== null; i--) {\n acc = fn(acc, walker.value, i)\n walker = walker.prev\n }\n return acc\n}\n\nYallist.prototype.toArray = function () {\n var arr = new Array(this.length)\n for (var i = 0, walker = this.head; walker !== null; i++) {\n arr[i] = walker.value\n walker = walker.next\n }\n return arr\n}\n\nYallist.prototype.toArrayReverse = function () {\n var arr = new Array(this.length)\n for (var i = 0, walker = this.tail; walker !== null; i++) {\n arr[i] = walker.value\n walker = walker.prev\n }\n return arr\n}\n\nYallist.prototype.slice = function (from, to) {\n to = to || this.length\n if (to < 0) {\n to += this.length\n }\n from = from || 0\n if (from < 0) {\n from += this.length\n }\n var ret = new Yallist()\n if (to < from || to < 0) {\n return ret\n }\n if (from < 0) {\n from = 0\n }\n if (to > this.length) {\n to = this.length\n }\n for (var i = 0, walker = this.head; walker !== null && i < from; i++) {\n walker = walker.next\n }\n for (; walker !== null && i < to; i++, walker = walker.next) {\n ret.push(walker.value)\n }\n return ret\n}\n\nYallist.prototype.sliceReverse = function (from, to) {\n to = to || this.length\n if (to < 0) {\n to += this.length\n }\n from = from || 0\n if (from < 0) {\n from += this.length\n }\n var ret = new Yallist()\n if (to < from || to < 0) {\n return ret\n }\n if (from < 0) {\n from = 0\n }\n if (to > this.length) {\n to = this.length\n }\n for (var i = this.length, walker = this.tail; walker !== null && i > to; i--) {\n walker = walker.prev\n }\n for (; walker !== null && i > from; i--, walker = walker.prev) {\n ret.push(walker.value)\n }\n return ret\n}\n\nYallist.prototype.splice = function (start, deleteCount /*, ...nodes */) {\n if (start > this.length) {\n start = this.length - 1\n }\n if (start < 0) {\n start = this.length + start\n }\n for (var i = 0, walker = this.head; walker !== null && i < start; i++) {\n walker = walker.next\n }\n var ret = []\n for (var i = 0; walker && i < deleteCount; i++) {\n ret.push(walker.value)\n walker = this.removeNode(walker)\n }\n if (walker === null) {\n walker = this.tail\n }\n if (walker === this.head && walker !== this.tail) {\n walker = walker.prev\n }\n for (var i = 2; i < arguments.length; i++) {\n walker = insert(this, walker, arguments[i])\n }\n return ret\n}\n\nYallist.prototype.reverse = function () {\n var head = this.head\n var tail = this.tail\n for (var walker = head; walker !== null; walker = walker.prev) {\n var p = walker.prev\n walker.prev = walker.next\n walker.next = p\n }\n this.head = tail\n this.tail = head\n return this\n}\n\nfunction insert (self, node, value) {\n var inserted = node === self.head ?\n new Node(value, null, node, self) :\n new Node(value, node, node.next, self)\n if (inserted.next === null) {\n self.tail = inserted\n }\n if (inserted.prev === null) {\n self.head = inserted\n }\n self.length++\n return inserted\n}\n\nfunction push (self, item) {\n self.tail = new Node(item, self.tail, null, self)\n if (!self.head) {\n self.head = self.tail\n }\n self.length++\n}\n\nfunction unshift (self, item) {\n self.head = new Node(item, null, self.head, self)\n if (!self.tail) {\n self.tail = self.head\n }\n self.length++\n}\n\nfunction Node (value, prev, next, list) {\n if (!(this instanceof Node)) {\n return new Node(value, prev, next, list)\n }\n this.list = list\n this.value = value\n if (prev) {\n prev.next = this\n this.prev = prev\n } else {\n this.prev = null\n }\n if (next) {\n next.prev = this\n this.next = next\n } else {\n this.next = null\n }\n}\n\ntry {\n // add if support for Symbol.iterator is present\n require('./iterator.js')(Yallist)\n} catch (er) {\n // use strict\n module.exports = function (Yallist) {\n Yallist.prototype[Symbol.iterator] = function* () {\n for (let walker = this.head; walker; walker = walker.next) {\n yield walker.value\n }\n }\n }, /**\n * @license React\n * react-is.production.min.js\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed

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under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n'use strict';var
b=Symbol.for(\"react.element\"),c=Symbol.for(\"react.portal\"),d=Symbol.for(\"react.fragment\"),e=Symbol.for(\"re
act.strict_mode\"),f=Symbol.for(\"react.profiler\"),g=Symbol.for(\"react.provider\"),h=Symbol.for(\"react.context\"),
k=Symbol.for(\"react.server_context\"),l=Symbol.for(\"react.forward_ref\"),m=Symbol.for(\"react.suspense\"),n=Sy
mbol.for(\"react.suspense_list\"),p=Symbol.for(\"react.memo\"),q=Symbol.for(\"react.lazy\"),t=Symbol.for(\"react.o
ffscreen\"),u=Symbol.for(\"react.cache\"),v=Symbol.for(\"react.module.reference\");\nfunction
w(a){if(\"object\"===typeof a&&null!==a){var r=a.$typeof;switch(r){case b:switch(a=a.type,a){case d:case
f:case e:case m:case n:return a;default:switch(a=a&&a.$typeof,a){case k:case h:case l:case q:case p:case g:return
a;default:return r}}case c:return
r}}exports.ContextConsumer=h,exports.ContextProvider=g,exports.Element=b,exports.ForwardRef=l,exports.Frag
ment=d,exports.Lazy=q,exports.Memo=p,exports.Portal=c,exports.Profiler=f,exports.StrictMode=e,exports.Suspens
e=m;\nexports.SuspenseList=n,exports.isAsyncMode=function(){return!1};exports.isConcurrentMode=function(){r
eturn!1};exports.isContextConsumer=function(a){return w(a)===h};exports.isContextProvider=function(a){return
w(a)===g};exports.isElement=function(a){return\"object\"===typeof
a&&null!==a&&a.$typeof===b};exports.isForwardRef=function(a){return
w(a)===l};exports.isFragment=function(a){return w(a)===d};exports.isLazy=function(a){return
w(a)===q};exports.isMemo=function(a){return w(a)===p};\nexports.isPortal=function(a){return
w(a)===c};exports.isProfiler=function(a){return w(a)===f};exports.isStrictMode=function(a){return
w(a)===e};exports.isSuspense=function(a){return w(a)===m};exports.isSuspenseList=function(a){return
w(a)===n};\nexports.isValidElementType=function(a){return\"string\"===typeof a||\"function\"===typeof
a||a===d||a===f||a===e||a===m||a===n||a===t||a===u||\"object\"===typeof
a&&null!==a&&(a.$typeof===q||a.$typeof===p||a.$typeof===g||a.$typeof===h||a.$typeof===l||a.$typeof===
v)||void 0===a.getModuleId()?!0:!1};exports.typeOf=w;\n\"/**\n * @license React\n * react-debug-
tools.production.min.js\n *\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source code is licensed
under the MIT license found in the\n * LICENSE file
in the root directory of this source tree.\n *\n'use strict';var h=require(\"error-stack-
parser\"),l=require(\"react\"),q=Object.assign,w=l.__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WILL_B
E_FIRED,x=[],y=null;\nfunction z(){if(null===y){var a=new
Map;try{A.useContext({_currentValue:null}),A.useState(null),A.useReducer(function(a){return
a},null),A.useRef(null),\"function\"===typeof
A.useCacheRefresh&&A.useCacheRefresh(),A.useLayoutEffect(function(){},A.useInsertionEffect(function(){},A
.useEffect(function(){},A.useImperativeHandle(void 0,function(){return
null}),A.useDebugValue(null),A.useCallback(function(){},A.useMemo(function(){return null}))finally{var
b=x;x=[]}for(var e=0;e<b.length;e++){var f=b[e];\na.set(f.primitive,h.parse(f.stackError))}y=a}return y}var
B=null;function C(){var a=B;null!==a&&(B=a.next);return a}\nvar A={getCacheForType:function(){throw
Error(\"Not implemented.\");},readContext:function(a){return a._currentValue},useCacheRefresh:function(){var
a=C();x.push({primitive:\"CacheRefresh\",stackError:Error(),value:null!==a?a.memoizedState:function(){}});return
function(){},useCallback:function(a){var
b=C();x.push({primitive:\"Callback\",stackError:Error(),value:null!==b?b.memoizedState[0]:a});return
a},useContext:function(a){x.push({primitive:\"Context\",stackError:Error(),value:a._currentValue});return
a._currentValue},\nuseEffect:function(a){C();x.push({primitive:\"Effect\",stackError:Error(),value:a});},useImperati
veHandle:function(a){C();var b=void 0;null!==a&&\"object\"===typeof
a&&(b=a.current);x.push({primitive:\"ImperativeHandle\",stackError:Error(),value:b});},useDebugValue:function(a,
b){x.push({primitive:\"DebugValue\",stackError:Error(),value:\"function\"===typeof
b?b(a):a});},useLayoutEffect:function(a){C();x.push({primitive:\"LayoutEffect\",stackError:Error(),value:a});},useIn
sertionEffect:function(a){C();x.push({primitive:\"InsertionEffect\",stackError:Error(),value:a});},useMemo:functio
n(a){var b=C();a=null!==b?b.memoizedState[0]:a;x.push({primitive:\"Memo\",stackError:Error(),value:a});return

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a},useReducer:function(a,b,e){a=C();b=null!==(a?a.memoizedState:void
0!==(e?e(b):b);x.push({primitive:"Reducer",stackError:Error(),value:b});return[b,function(){}]},useRef:function(a)
{var
b=C();a=null!==(b?b.memoizedState:{current:a};x.push({primitive:"Ref",stackError:Error(),value:a.current});retur
n a},useState:function(a){var b=C();a=null!==(b?b.memoizedState:\n"function"===typeof
a?a(a):a;x.push({primitive:"State",stackError:Error(),value:a});return[a,function(){}]},useTransition:function(){C();
C();x.push({primitive:"Transition",stackError:Error(),value:void
0});return[!1,function(){}]},useMutableSource:function(a,b){C();C();C();C();a=b(a._source);x.push({primitive:"M
utableSource",stackError:Error(),value:a});return
a},useSyncExternalStore:function(a,b){C();C();a=b();x.push({primitive:"SyncExternalStore",stackError:Error(),va
lue:a});return
a},useDeferredValue:function(a){C();\nC();x.push({primitive:"DeferredValue",stackError:Error(),value:a});return
a},useId:function(){var
a=C();a=null!==(a?a.memoizedState:"");x.push({primitive:"Id",stackError:Error(),value:a});return
a}},D=0;function E(a,b,e){var f=b[e].source,c=0;a.for(c<a.length;c++)if(a[c].source===f){for(var
m=e+1,r=c+1;m<b.length&&r<a.length;m++,r++)if(a[r].source!==b[m].source)continue a;return c}return-
1}function F(a,b){if(!a)return!1;b="use"+b;return a.length<b.length?!1:a.lastIndexOf(b)===a.length-
b.length}\nfunction G(a,b,e){for(var f=[],c=null,m=f,r=0,t=[],v=0;v<b.length;v++){var u=b[v];var d=a;var
k=h.parse(u.stackError);b:{var n=k,p=E(n,d,D);if(-1!==p)d=p;else{for(var
g=0;g<d.length&&5>g;g++)if(p=E(n,d,g),-1!==p){D=g;d=p;break b}d=-1}}b:{n=k;p=z().get(u.primitive);if(void
0!==(p)for(g=0;g<p.length&&g<n.length;g++)if(p[g].source!==n[g].source){g<n.length-
1&&F(n[g].functionName,u.primitive)&&g++;g<n.length-1&&F(n[g].functionName,u.primitive)&&g++;n=g;break
b}n=-1}k=-1===d||-1===n||2>d-n?null:k.slice(n,\nd-
1);if(null!==(k){d=0;if(null!==(c){for(d<k.length&&d<c.length&&k[k.length-d-1].source===c[c.length-d-
1].source;)d++;for(c=c.length-1;c>d;c--)m=t.pop()}for(c=k.length-d-1;1<=c;c--)d=[],n=k[c],(p=k[c-
1].functionName)?(g=p.lastIndexOf("\n"),-
1===g&&(g=0),"use"===p.substr(g,3)&&(g+=3),p=p.substr(g)):p="\n",p={id:null,isStateEditable:!1,name:p,value
:void
0,subHooks:d},e&&(p.hookSource={lineNumber:n.lineNumber,columnNumber:n.columnNumber,functionName:n.
functionName,fileName:n.fileName}),m.push(p),t.push(m),\nm=d;c=k}d=u.primitive;u={id:"Context"===d||"Deb
ugValue"===d?null:r++,isStateEditable:"Reducer"===d||"State"===d,name:d,value:u.value,subHooks:[]};e&&(
d={lineNumber:null,functionName:null,fileName:null,columnNumber:null},k&&1<=k.length&&(k=k[0],d.lineNu
mber=k.lineNumber,d.functionName=k.functionName,d.fileName=k.fileName,d.columnNumber=k.columnNumber
),u.hookSource=d);m.push(u)}H(f,null);return f}\nfunction H(a,b){for(var e=[],f=0;f<a.length;f++){var
c=a[f];"DebugValue"===c.name&&0===c.subHooks.length?(a.splice(f,1),f--
,e.push(c)):H(c.subHooks,c)}null!==(b&&(1===e.length?b.value=e[0].value;1<e.length&&(b.value=e.map(function
(a){return
a.value}))))}function I(a,b,e){var f=3<arguments.length&&void
0!==(arguments[3]?arguments[3]:!1;null==e&&(e=w.ReactCurrentDispatcher);var c=e.current;e.current=A;try{var
m=Error();a(b)}finally{var r=x;x=[];e.current=c}c=h.parse(m);return G(c,r,f)}\nfunction
J(a){a.forEach(function(a,e){return
e._currentValue=a})}exports.inspectHooks=I;\nexports.inspectHooksOfFiber=function(a,b){var
e=2<arguments.length&&void
0!==(arguments[2]?arguments[2]:!1;null==b&&(b=w.ReactCurrentDispatcher);if(0!==(a.tag&&15!==(a.tag&&11!==(
a.tag)throw Error("Unknown Fiber. Needs to be a function component to inspect hooks.");z();var
f=a.type,c=a.memoizedProps;if(f!==(a.elementType&&f&&f.defaultProps)){c=q({},c);var m=f.defaultProps;for(r in
m)void 0===c[r]&&(c[r]=m[r])}B=a.memoizedState;var r=new Map;try{for(m=a;m;){if(10===m.tag){var
t=m.type._context;r.has(t)||n(r.set(t,t._currentValue),t._currentValue=m.memoizedProps.value)}m=m.return;if(11=

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==a.tag){var
v=f.render;f=c;var u=a.ref;t=b;var d=t.current;t.current=A;try{var k=Error();v(f,u)}finally{var
n=x;x=[];t.current=d}var p=h.parse(k);return G(p,n,e)}return I(f,c,b,e)}finally{B=null,J(r)}};\n", "(function(root,
factory) {\n 'use strict';\n // Universal Module Definition (UMD) to support AMD, CommonJS/Node.js, Rhino,
and browsers.\n\n /* istanbul ignore next */\n if (typeof define === 'function' && define.amd) {\n
define('error-stack-parser', ['stackframe'], factory);\n } else if (typeof exports === 'object') {\n module.exports
= factory(require('stackframe'));\n } else {\n root.ErrorStackParser = factory(root.StackFrame);\n }\n}(this,
function ErrorStackParser(StackFrame) {\n 'use strict';\n\n var FIREFOX_SAFARI_STACK_REGEXP =
/^(^@)\S+:\d+;/\n var CHROME_IE_STACK_REGEXP = /^s*at .*(\S+:\d+|native)/m;\n var
SAFARI_NATIVE_CODE_REGEXP = /^(eval@)?(native
code))?$/;\n\n return {\n /**\n * Given an Error object, extract the most information from it.\n *\n
 * @param {Error} error object\n * @return {Array} of StackFrames\n */\n parse: function
ErrorStackParser$$parse(error) {\n if (typeof error.stacktrace !== 'undefined' || typeof error['opera#sourceloc']
!== 'undefined') {\n return this.parseOpera(error);\n } else if (error.stack &&
error.stack.match(CHROME_IE_STACK_REGEXP)) {\n return this.parseV8OrIE(error);\n } else
if (error.stack) {\n return this.parseFFOrSafari(error);\n } else {\n throw new Error("Cannot
parse given Error object");\n }\n },\n\n // Separate line and column numbers from a string of the
form: (URI:Line:Column)\n extractLocation: function ErrorStackParser$$extractLocation(urlLike) {\n //
Fail-fast but return locations\n like "(native)"\n if (urlLike.indexOf(':') === -1) {\n return [urlLike];\n }\n\n var
regExp = /(.(+)?(?:\d+))?(?:\d+)?$/;\n var parts = regExp.exec(urlLike.replace(/[/]/g, "));\n return
[parts[1], parts[2] || undefined, parts[3] || undefined];\n },\n\n parseV8OrIE: function
ErrorStackParser$$parseV8OrIE(error) {\n var filtered = error.stack.split("\n").filter(function(line) {\n
return !!line.match(CHROME_IE_STACK_REGEXP);\n }, this);\n\n return
filtered.map(function(line) {\n if (line.indexOf('(eval)' > -1) {\n // Throw away eval
information until we implement stacktrace.js/stackframe#8\n line = line.replace(/eval code/g,
'eval').replace(/(eval at \[^\]]*)(\|),.*$/g, "");\n var sanitizedLine = line.replace(/^\s+/,
 "").replace(/\(eval code/g, '(');\n\n // capture and preserve the parenthesized location "(/foo/my bar.js:12:87)" in\n // case it has
spaces in it, as the string is split on \s+ later on\n var location = sanitizedLine.match(/
(\((.+):(\d+):(\d+)\))/);\n // remove the parenthesized location from the line, if it was matched\n
 sanitizedLine = location ? sanitizedLine.replace(location[0], "") : sanitizedLine;\n var tokens =
sanitizedLine.split(/\s+/).slice(1);\n // if a location was matched, pass it to extractLocation() otherwise pop
the last token\n var locationParts = this.extractLocation(location ? location[1] : tokens.pop());\n
 var functionName = tokens.join(' ') || undefined;\n var fileName = ['eval',
'<anonymous>'].indexOf(locationParts[0]) > -1 ? undefined : locationParts[0];\n return new
StackFrame({\n functionName:\n functionName,\n fileName: fileName,\n lineNumber: locationParts[1],\n
 columnNumber: locationParts[2],\n source: line\n });\n }, this);\n },\n\n parseFFOrSafari: function ErrorStackParser$$parseFFOrSafari(error) {\n var filtered =
error.stack.split("\n").filter(function(line) {\n return !line.match(SAFARI_NATIVE_CODE_REGEXP);\n }, this);\n\n return filtered.map(function(line) {\n // Throw away eval information until we
implement stacktrace.js/stackframe#8\n if (line.indexOf(' > eval') > -1) {\n line = line.replace(/
line (\d+)(?: > eval line \d+)* > eval:\d+:\d+/g, '$1');\n if (line.indexOf('@') === -1 &&
line.indexOf(':') === -1) {\n // Safari eval frames only have function names and nothing else\n
 return new StackFrame({\n functionName: line\n });\n } else {\n
 var functionNameRegex = /(.*".+\[^\]*\]?\[^\]*\])(?:@)/;\n var matches =
line.match(functionNameRegex);\n var functionName = matches && matches[1] ? matches[1] :

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undefined;\n var locationParts = this.extractLocation(line.replace(functionNameRegex, ""));\n\n return new StackFrame({\n functionName: functionName,\n fileName:\nlocationParts[0],\n lineNumber: locationParts[1],\n columnNumber: locationParts[2],\n source: line\n });\n }, this);\n}, \n\n parseOpera: function\nErrorStackParser$$parseOpera(e) {\n if (!e.stacktrace || (e.message.indexOf("\n") > -1 &&\n e.message.split("\n").length\n> e.stacktrace.split("\n").length)) {\n return this.parseOpera9(e);\n } else if (!e.stack) {\nreturn this.parseOpera10(e);\n } else {\n return this.parseOpera11(e);\n }\n}, \n\n parseOpera9: function ErrorStackParser$$parseOpera9(e) {\n var lineRE = /Line (\d+).*script (?:(in)\n)?(\S+)/i;\n var lines = e.message.split("\n");\n var result = [];\n for (var i = 2, len =\nlines.length; i < len; i += 2) {\n var match = lineRE.exec(lines[i]);\n if (match) {\nresult.push(new StackFrame({\n fileName: match[2],\n lineNumber: match[1],\n source: lines[i]\n }));\n }\n return result;\n }, \n\n parseOpera10: function ErrorStackParser$$parseOpera10(e) {\n var lineRE = /Line (\d+).*script (?:(in)?(\S+))?(?: In function (\S+))?$;/i;\n var lines =\ne.stacktrace.split("\n");\n var result = [];\n for (var i = 0, len = lines.length; i < len; i += 2) {\n var match = lineRE.exec(lines[i]);\n if (match) {\n result.push(\n new\nStackFrame({\n functionName: match[3] || undefined,\n fileName: match[2],\n lineNumber: match[1],\n source: lines[i]\n })\n);\n }\n return result;\n }, \n\n // Opera 10.65+ Error.stack very similar to FF/Safari\n parseOpera11: function ErrorStackParser$$parseOpera11(error) {\n var filtered =\nerror.stack.split("\n").filter(function(line) {\n return !!line.match(FIREFOX_SAFARI_STACK_REGEXP)\n&& !line.match(/^Error created at/);\n }, this);\n return filtered.map(function(line) {\n var\ntokens = line.split('@');\n var locationParts = this.extractLocation(tokens.pop());\n var\nfunctionCall = (tokens.shift() || "");\n var functionName = functionCall\n .replace(/<anonymous\nfunction: (\S+)>?/, '$2')\n .replace(/\^[^\]]*\]/g, "") || undefined;\n var argsRaw;\n if\n(functionCall.match(/\^[^\]]*\]/)) {\n argsRaw = functionCall.replace(/^\^[^\]]+\^[^\]]*\]/, '$1');\n }\n var args = (argsRaw === undefined || argsRaw === '[arguments not available]') ?\nundefined : argsRaw.split(',');\n return new StackFrame({\n functionName: functionName,\n args: args,\n fileName: locationParts[0],\n lineNumber: locationParts[1],\n columnNumber: locationParts[2],\n source:\nline\n });\n }, this);\n }, \n\n});\n\n})(function(root, factory) {\n 'use strict';\n // Universal\nModule Definition (UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.\n /* istanbul ignore next\n*/\n if (typeof define === 'function' && define.amd) {\n define('stackframe', [], factory);\n } else if (typeof\nexports === 'object') {\n module.exports = factory();\n } else {\n root.StackFrame = factory();\n }\n})(this, function() {\n 'use strict';\n function _isNumber(n) {\n return !isNaN(parseFloat(n)) &&\nisFinite(n);\n }\n function _capitalize(str) {\n return str.charAt(0).toUpperCase() + str.substring(1);\n }\n function _getter(p) {\n return function() {\n return this[p];\n }; \n }\n var booleanProps\n= ['isConstructor', 'isEval', 'isNative', 'isToplevel'];\n var numericProps = ['columnNumber', 'lineNumber'];\n var\nstringProps = ['fileName', 'functionName', 'source'];\n var arrayProps = ['args'];\n var props =\nbooleanProps.concat(numericProps, stringProps, arrayProps);\n function StackFrame(obj) {\n if (!obj)\nreturn;\n for (var i = 0; i < props.length; i++) {\n if (obj[props[i]] !== undefined) {\n this['set' +\n_capitalize(props[i])](obj[props[i]]);\n }\n }\n StackFrame.prototype = {\n getArgs:\nfunction() {\n return this.args;\n },\n setArgs: function(v) {\n if\n(Object.prototype.toString.call(v) !== '[object Array]') {\n throw new TypeError('Args must be an\nArray');\n }\n this.args = v;\n },\n getEvalOrigin: function() {\n return\nthis.evalOrigin;\n },\n setEvalOrigin: function(v)\n
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 {\n if (v instanceof StackFrame) {\n this.evalOrigin = v;\n } else if (v instanceof Object) {\n this.evalOrigin = new StackFrame(v);\n } else {\n throw new TypeError('Eval Origin must be an Object or StackFrame');\n }\n },\n\n toString: function() {\n var fileName = this.getFileName() || '';\n var lineNumber = this.getLineNumber() || '';\n var columnNumber = this.getColumnNumber() || '';\n var functionName = this.getFunctionName() || '';\n if (this.getIsEval()) {\n if (fileName) {\n return '[eval] (' + fileName + ':' + lineNumber + ':' + columnNumber + ')';\n }\n return '[eval]:' + lineNumber + ':' + columnNumber;\n } else if (functionName) {\n return functionName + ' (' + fileName + ':' + lineNumber + ':' + columnNumber + ')';\n }\n return fileName + ':' + lineNumber + ':' + columnNumber;\n },\n\n StackFrame.fromString = function StackFrame$$fromString(str) {\n var argsStartIndex = str.indexOf('(');\n var argsEndIndex = str.lastIndexOf(');\n var functionName = str.substring(0, argsStartIndex);\n var args = str.substring(argsStartIndex + 1, argsEndIndex).split(',);\n var locationString = str.substring(argsEndIndex + 1);\n if (locationString.indexOf('@') === 0) {\n var parts = /\n /@(.+?)(?:((\\d+))?(?:((\\d+))?)?$/\n .exec(locationString, '');\n var fileName = parts[1];\n var lineNumber = parts[2];\n var columnNumber = parts[3];\n return new StackFrame({\n functionName: functionName,\n args: args || undefined,\n fileName: fileName,\n lineNumber: lineNumber || undefined,\n columnNumber: columnNumber || undefined\n });\n },\n\n for (var i = 0; i < booleanProps.length; i++) {\n StackFrame.prototype['get' + _capitalize(booleanProps[i])] = _getter(booleanProps[i]);\n StackFrame.prototype['set' + _capitalize(booleanProps[i])] = (function(p) {\n return function(v) {\n this[p] = Boolean(v);\n }\n })(booleanProps[i]);\n },\n\n for (var j = 0; j < numericProps.length; j++) {\n StackFrame.prototype['get' + _capitalize(numericProps[j])] = _getter(numericProps[j]);\n StackFrame.prototype['set' + _capitalize(numericProps[j])] = (function(p) {\n return function(v) {\n if (!_isNumber(v)) {\n throw new TypeError(p + ' must be a Number');\n }\n this[p] = Number(v);\n }\n })(numericProps[j]);\n },\n\n for (var k = 0; k < stringProps.length; k++) {\n StackFrame.prototype['get' + _capitalize(stringProps[k])] = _getter(stringProps[k]);\n StackFrame.prototype['set' + _capitalize(stringProps[k])] = (function(p) {\n return function(v) {\n this[p] = String(v);\n }\n })(stringProps[k]);\n },\n\n return StackFrame;\n });\n\n if (process.env.NODE_ENV === 'production') {\n module.exports = require('./cjs/react.production.min.js');\n } else {\n module.exports = require('./cjs/react.development.js');\n }\n\n /**\n * @license React\n * react.production.min.js\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n 'use strict';\n\n var l=Symbol.for('react.element'),n=Symbol.for('react.portal'),p=Symbol.for('react.fragment'),q=Symbol.for('react.strict_mode'),r=Symbol.for('react.profiler'),t=Symbol.for('react.provider'),u=Symbol.for('react.context'),v=Symbol.for('react.server_context'),w=Symbol.for('react.forward_ref'),x=Symbol.for('react.suspense'),y=Symbol.for('react.suspense_list'),z=Symbol.for('react.memo'),A=Symbol.for('react.lazy'),B=Symbol.for('react.debug_trace_mode'),C=Symbol.for('react.offscreen'),aa=Symbol.for('react.cache'),nD=Symbol.for('react.default_value'),E=Symbol.iterator;function\n ba(a){if(null===a||'object'!==(typeof a))return null;a=E&&a[E]||a['@@iterator'];return'function'===typeof\n a?a:null}var\n F={isMounted:function(){return!1},enqueueForceUpdate:function(){},enqueueReplaceState:function(){},enqueueSetState:function(){},G=Object.assign,H={};function\n I(a,b,d){this.props=a;this.context=b;this.refs=H;this.updater=d||F}I.prototype.isReactComponent={};I.prototype.setState=function(a,b){if('object'!==(typeof a&&'function'!==(typeof a&&null!==(typeof a)))throw Error('setState(...): takes an object of state variables to update or a function which returns an object of state variables.');"this.updater.enqueueSetState(this,a,b,'setState");I.prototype.forceUpdate=function(a){this.updater.enqueueForceUpdate(this,a,'forceUpdate");function

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J(){}J.prototype=L.prototype;function K(a,b,d){this.props=a;this.context=b;this.refs=H;this.updater=d||F}var
L=K.prototype=new J;\nL.constructor=K;G(L,I.prototype);L.isPureReactComponent=!0;var
M=Array.isArray,N=Object.prototype.hasOwnProperty,O={current:null},P={key:!0,ref:!0,__self:!0,__source:!0};\n
function Q(a,b,d){var c,e={},k=null,h=null;if(null!=b)for(c in void 0!==(b.ref&&(h=b.ref),void
0!==(b.key&&(k="\\"+b.key),b))N.call(b,c)&&!P.hasOwnProperty(c)&&(e[c]=b[c]);var g=arguments.length-
2;if(1===g)e.children=d;else if(1<g){for(var
f=Array(g),m=0;m<g;m++)f[m]=arguments[m+2];e.children=f}if(a&&a.defaultProps)for(c in
g=a.defaultProps,g)void
0===e[c]&&(e[c]=g[c]);return{$$typeof:l,type:a,key:k,ref:h,props:e,_owner:O.current}}\nfunction
ca(a,b){return{$$typeof:l,type:a.type,key:b.ref?a.ref:props:a.props,_owner:a._owner}}function
R(a){return"object"===typeof a&&null!=a&&a.$$typeof===l}function
escape(a){var b={"'":"'","\\":"\\","/":"/","<":"<",">":">"};return"$"+a.replace(/[/<>]/g,function(a){return b[a]}))var
S=/\s+/g;function T(a,b){return"object"===typeof
a&&null!=a&&null!=a.key?escape("\\"+a.key):b.toString(36)}\nfunction U(a,b,d,c,e){var k=typeof
a;if("undefined"===k||"boolean"===k)a=null;var h=!1;if(null===a)h=!0;else switch(k){case "string":case
"number":h=!0;break;case "object":switch(a.$$typeof){case l:case n:h=!0}}if(h)return
h=a,e=e(h),a="\\"===c?"\."+T(h,0):c,M(e)?(d="\\" ,null!=a&&(d=a.replace(S,"\$&\/")+\"\/"),U(e,b,d,\"\",function(a)
{return
a})):null!=e&&(R(e)&&(e=ca(e,d+(!e.key||h&&h.key===e.key?"\":"(\""+e.key).replace(S,"\$&\/")+\"\/")+a)),b.pus
h(e)),1;h=0;c="\\"===c?"\."+T(h,0):c;if(M(a))for(var g=0;g<a.length;g++){k=a[g];var
f=c+T(k,g);h+=U(k,b,d,f,e)}else if(f=ba(a),"function"===typeof
f)for(a=f.call(a),g=0;(k=a.next()).done;)k=k.value,f=c+T(k,g++),h+=U(k,b,d,f,e);else if("object"===k)throw
b=String(a),Error("Objects are not valid as a React
child (found: "+("["+Object]"+b?"object with keys {"+Object.keys(a).join(", ")+"}"+b)+"). If you
meant to render a collection of children, use an array instead.");return h}\nfunction V(a,b,d){if(null===a)return a;var
c=[],e=0;U(a,c,"","\\",function(a){return b.call(d,a,e++)});return c}function da(a){if(-1===a._status){var
b=a._result;b=b();b.then(function(b){if(0===a._status||-
1===a._status)a._status=1,a._result=b},function(b){if(0===a._status||-1===a._status)a._status=2,a._result=b});-
1===a._status&&(a._status=0,a._result=b)}if(1===a._status)return a._result.default;throw a._result;}\nvar
W={current:null},X={transition:null},Y={ReactCurrentDispatcher:W,ReactCurrentBatchConfig:X,ReactCurrentO
wner:O,ContextRegistry:{}},Z=Y.ContextRegistry,exports.Children={map:V,forEach:function(a,b,d){V(a,function(
){b.apply(this,arguments)}),d},count:function(a){var b=0;V(a,function(){b++});return
b},toArray:function(a){return V(a,function(a){return a})||[]},only:function(a){if(!R(a))throw
Error("React.Children.only expected to receive a single React element child.");return
a}};\nexports.Component=l,exports.Fragment=p,exports.Profiler=r,exports.PureComponent=K,exports.StrictMode
=q,exports.Suspense=x,exports.SuspenseList=y,exports.__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WI
LL_BE_FIRED=Y;\nexports.cloneElement=function(a,b,d){if(null===a||void 0===a)throw
Error("React.cloneElement(...): The argument must be a React element, but you passed "+a+".");var
c=G({},a.props),e=a.key,k=a.ref,h=a._owner;if(null!=b){void 0!==(b.ref&&(k=b.ref,h=O.current));void
0!==(b.key&&(e="\\"+b.key));if(a.type&&a.type.defaultProps)var g=a.type.defaultProps;for(f in
b)N.call(b,f)&&!P.hasOwnProperty(f)&&(c[f]=void 0===b[f]&&void 0!==(g?g[f]:b[f]))}var f=arguments.length-
2;if(1===f)c.children=d;else if(1<f){g=Array(f);\nfor(var
m=0;m<f;m++)g[m]=arguments[m+2];c.children=g}return{$$typeof:l,type:a.type,key:e,ref:k,props:c,_owner:h}};e
xports.createContext=function(a){a={$$typeof:u,_currentValue:a,_currentValue2:a,_threadCount:0,Provider:null,C
onsumer:null,_defaultValue:null,_globalName:null};a.Provider={$$typeof:t,_context:a};return
a.Consumer=a};exports.createElement=Q,exports.createFactory=function(a){var b=Q.bind(null,a);b.type=a;return
b};exports.createRef=function(){return{current:null}};\nexports.createServerContext=function(a,b){var
d=!0;if(!Z[a]){d=!1;var

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c={$$typeof:v,_currentValue:b,_currentValue2:b,_defaultValue:b,_threadCount:0,Provider:null,Consumer:null,_globalName:a};c.Provider={$$typeof:t,_context:c};Z[a]=c;c=Z[a];if(c._defaultValue===D)c._defaultValue=b,c._currentValue===D&&(c._currentValue=b),c._currentValue2===D&&(c._currentValue2=b);else if(d)throw Error("\nServerContext: '"+a+"' already defined");return c};exports.forwardRef=function(a){return{$$typeof:w,render:a}};\nexports.isValidElement=R;exports.lazy=function(a){return{$$typeof:A,_payload:{_status:-1,_result:a},_init:da}};exports.memo=function(a,b){return{$$typeof:z,type:a,compare:void 0===b?null:b}};exports.startTransition=function(a){var b=X.transition;X.transition={};try{a()}finally{X.transition=b}};exports.unstable_Cache=aa;exports.unstable_DebugTracingMode=B;exports.unstable_Offscreen=C;exports.unstable_act=function(){throw Error("\nact(...) is not supported in production builds of React.\n");};\nexports.unstable_createMutableSource=function(a,b){return{_getVersion:b,_source:a,_workInProgressVersionPrimary:null,_workInProgressVersionSecondary:null}};exports.unstable_getCacheForType=function(a){return W.current.getCacheForType(a)};exports.unstable_getCacheSignal=function(){return W.current.getCacheSignal()};exports.unstable_useCacheRefresh=function(){return W.current.useCacheRefresh()};exports.useCallback=function(a,b){return W.current.useCallback(a,b)};exports.useContext=function(a){return W.current.useContext(a)};\nexports.useDebugValue=function(){};exports.useDeferredValue=function(a){return W.current.useDeferredValue(a)};exports.useEffect=function(a,b){return W.current.useEffect(a,b)};exports.useId=function(){return W.current.useId()};exports.useImperativeHandle=function(a,b,d){return W.current.useImperativeHandle(a,b,d)};exports.useInsertionEffect=function(a,b){return W.current.useInsertionEffect(a,b)};exports.useLayoutEffect=function(a,b){return W.current.useLayoutEffect(a,b)};\nexports.useMemo=function(a,b){return W.current.useMemo(a,b)};exports.useReducer=function(a,b,d){return W.current.useReducer(a,b,d)};exports.useRef=function(a){return W.current.useRef(a)};exports.useState=function(a){return W.current.useState(a)};exports.useSyncExternalStore=function(a,b,d){return W.current.useSyncExternalStore(a,b,d)};exports.useTransition=function(){return W.current.useTransition()};exports.version="\n18.0.0-rc.2-experimental-82762bea5-20220310";\n";\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nexport default class EventEmitter<Events: Object> {\n listenersMap: Map<string, Array<Function>> = new Map();\n addListener<Event: $Keys<Events>>(<\n event: Event,\n listener: (...$ElementType<Events, Event>) => any,\n >): void {\n const listeners = this.listenersMap.get(event);\n if (listeners === undefined) {\n this.listenersMap.set(event, [listener]);\n } else {\n const index = listeners.indexOf(listener);\n if (index < 0) {\n listeners.push(listener);\n }\n }\n }\n emit<Event: $Keys<Events>>(<\n event: Event,\n ...args: $ElementType<Events, Event>\n >): void {\n const listeners = this.listenersMap.get(event);\n if (listeners !== undefined) {\n if (listeners.length === 1) {\n // No need to clone or try/catch\n const listener = listeners[0];\n listener.apply(null, args);\n } else {\n let didThrow = false;\n let caughtError = null;\n\n const clonedListeners = Array.from(listeners);\n for (let i = 0; i < clonedListeners.length; i++) {\n const listener = clonedListeners[i];\n try {\n listener.apply(null, args);\n } catch (error) {\n if (caughtError === null) {\n didThrow = true;\n caughtError = error;\n }\n }\n }\n if (didThrow) {\n throw caughtError;\n }\n }\n }\n }\n removeAllListeners(): void {\n this.listenersMap.clear();\n }\n removeListener(event: $Keys<Events>, listener: Function): void {\n const listeners = this.listenersMap.get(event);\n if (listeners !== undefined) {\n const index = listeners.indexOf(listener);\n if (index >= 0) {\n listeners.splice(index, 1);\n }\n }\n }\n}\n";\n\n\nvar simpleIsEqual = function simpleIsEqual(a, b) {\n return a === b;\n};\n\nexport default

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function (resultFn) {\n var isEqual = arguments.length > 1 && arguments[1] !== undefined ? arguments[1]
: simpleIsEqual;\n\n var lastThis = void 0;\n var lastArgs = [];\n var lastResult = void 0;\n var calledOnce =
false;\n\n var isNewArgEqualToLast = function isNewArgEqualToLast(newArg, index) {\n return
isEqual(newArg, lastArgs[index]);\n };\n\n var result = function result() {\n for (var _len = arguments.length,
newArgs = Array(_len), _key = 0; _key < _len; _key++) {\n newArgs[_key] = arguments[_key];\n }\n\n if
(calledOnce && lastThis === this && newArgs.length === lastArgs.length &&
newArgs.every(isNewArgEqualToLast)) {\n return lastResult;\n }\n\n calledOnce = true;\n lastThis =
this;\n lastArgs = newArgs;\n lastResult = resultFn.apply(this, newArgs);\n return lastResult;\n };\n\n return
result;\n}"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nexport
type Rect =
{\n bottom: number,\n height: number,\n left: number,\n right: number,\n top: number,\n width: number,\n
...\n};\n\n// Get the window object for the document that a node belongs to, or return null if it cannot be found
(node not attached to DOM, etc).\n\nexport function getWindow(node: HTMLElement): Window |
null {\n if (!node.ownerDocument) {\n return null;\n }\n return node.ownerDocument.defaultView;\n}\n\n// Get
the iframe containing a node, or return null if it cannot be found (node not within iframe, etc).\n\nexport function
getWindow(node: HTMLElement): Window | null {\n const nodeWindow = getWindow(node);\n if (nodeWindow) {\n return nodeWindow.frameElement;\n }\n return null;\n}\n\n// Get a bounding client rect for
a node, with an offset added to compensate for its border.\n\nexport function
getBoundingClientRectWithBorderOffset(node: HTMLElement) {\n const dimensions =
getElementDimensions(node);\n return mergeRectOffsets([\n
 node.getBoundingClientRect(),\n {\n top: dimensions.borderTop,\n left: dimensions.borderLeft,\n
 bottom: dimensions.borderBottom,\n right: dimensions.borderRight,\n // This width and height won't get used
by mergeRectOffsets (since this\n // is not the first rect in the array), but we set them so that this\n // object
type checks as a ClientRect.\n width: 0,\n height: 0,\n },\n]);\n}\n\n// Add together the top, left, bottom,
and right properties of each ClientRect, but keep the width and height of the first one.\n\nexport function
mergeRectOffsets(rects: Array<Rect>): Rect {\n return rects.reduce((previousRect, rect) => {\n if (previousRect
== null) {\n return rect;\n }\n\n return {\n top: previousRect.top + rect.top,\n left: previousRect.left +
rect.left,\n width: previousRect.width,\n height: previousRect.height,\n bottom: previousRect.bottom +
rect.bottom,\n right: previousRect.right
+ rect.right,\n };\n });\n}\n\n// Calculate a boundingClientRect for a node relative to boundaryWindow, taking
into account any offsets caused by intermediate iframes.\n\nexport function getNestedBoundingClientRect(\n node:
HTMLElement,\n boundaryWindow: Window): Rect {\n const ownerIframe = getWindow(node);\n if (ownerIframe && ownerIframe !== boundaryWindow) {\n const rects = [node.getBoundingClientRect()];\n let currentIframe = ownerIframe;\n let onlyOneMore = false;\n while (currentIframe) {\n const rect =
getBoundingClientRectWithBorderOffset(currentIframe);\n rects.push(rect);\n currentIframe =
getWindow(currentIframe);\n\n if (onlyOneMore) {\n break;\n }\n // We don't want to calculate
iframe offsets upwards beyond\n // the iframe containing the boundaryWindow, but we\n // need to calculate
the offset relative to the boundaryWindow.\n if (currentIframe && getWindow(currentIframe)
=== boundaryWindow) {\n onlyOneMore = true;\n }\n }\n\n return mergeRectOffsets(rects);\n } else
{\n return node.getBoundingClientRect();\n }\n}\n\nexport function getElementDimensions(domElement:
Element) {\n const calculatedStyle = window.getComputedStyle(domElement);\n return {\n borderLeft:
parseInt(calculatedStyle.borderLeftWidth, 10),\n borderRight: parseInt(calculatedStyle.borderRightWidth, 10),\n
borderTop: parseInt(calculatedStyle.borderTopWidth, 10),\n borderBottom:
parseInt(calculatedStyle.borderBottomWidth, 10),\n marginLeft: parseInt(calculatedStyle.marginLeft, 10),\n
marginRight: parseInt(calculatedStyle.marginRight, 10),\n marginTop: parseInt(calculatedStyle.marginTop, 10),\n
marginBottom: parseInt(calculatedStyle.marginBottom, 10),\n paddingLeft:
parseInt(calculatedStyle.paddingLeft, 10),\n paddingRight: parseInt(calculatedStyle.paddingRight, 10),\n

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paddingTop: parseInt(calculatedStyle.paddingTop, 10),\n

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paddingBottom: parseInt(calculatedStyle.paddingBottom, 10),\n };\n\n", "/*\n * Copyright (c) Facebook, Inc.
and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the
root directory of this source tree.\n * @flow\n */\n\nimport {getElementDimensions,
getNestedBoundingClientRect} from '../utils';\n\nconst assign = Object.assign;\n\nimport type {DevToolsHook}
from 'react-devtools-shared/src/backend/types';\nimport type {Rect} from '../utils';\n\nexport type Box = {\n top: number,
left: number, width: number, height: number};\n\n// Note that the Overlay components are not affected by the active
Theme, because they highlight elements in the main Chrome window (outside of devtools).\n// The colors below were chosen to roughly match those used by Chrome devtools.\n\nclass OverlayRect {\n node: HTMLElement;\n border: HTMLElement;\n padding: HTMLElement;\n content: HTMLElement;\n\n constructor(doc: Document, container: HTMLElement) {\n this.node = doc.createElement('div');\n this.border = doc.createElement('div');\n this.padding = doc.createElement('div');\n this.content = doc.createElement('div');\n this.border.style.borderColor = overlayStyles.border;\n this.padding.style.borderColor = overlayStyles.padding;\n this.content.style.backgroundColor = overlayStyles.background;\n\n assign(this.node.style, {\n borderColor: overlayStyles.margin,\n pointerEvents: 'none',\n position: 'fixed',\n });\n\n this.node.style.zIndex = '10000000';\n\n this.node.appendChild(this.border);\n this.border.appendChild(this.padding);\n this.padding.appendChild(this.content);\n container.appendChild(this.node);\n }\n\n remove() {\n if (this.node.parentNode) {\n this.node.parentNode.removeChild(this.node);\n }\n }\n\n update(box: Rect, dims: any) {\n boxWrap(dims, 'margin', this.node);\n boxWrap(dims, 'border', this.border);\n boxWrap(dims, 'padding', this.padding);\n\n assign(this.content.style, {\n height: box.height - dims.borderTop - dims.borderBottom -\n dims.paddingTop - dims.paddingBottom + 'px',\n width: box.width - dims.borderLeft - dims.borderRight -\n dims.paddingLeft - dims.paddingRight + 'px',\n });\n\n assign(this.node.style, {\n top: box.top - dims.marginTop + 'px',\n left: box.left - dims.marginLeft + 'px',\n });\n }\n}\n\nclass OverlayTip {\n tip: HTMLElement;\n nameSpan: HTMLElement;\n dimSpan: HTMLElement;\n\n constructor(doc: Document, container: HTMLElement) {\n this.tip = doc.createElement('div');\n assign(this.tip.style, {\n display: 'flex',\n flexFlow: 'row nowrap',\n backgroundColor: '#333740',\n borderRadius: '2px',\n fontFamily: '"SFMono-Regular", Consolas, "Liberation Mono", Menlo, Courier, monospace',\n fontWeight: 'bold',\n padding: '3px 5px',\n pointerEvents: 'none',\n position: 'fixed',\n fontSize: '12px',\n whiteSpace: 'nowrap',\n });\n\n this.nameSpan = doc.createElement('span');\n this.tip.appendChild(this.nameSpan);\n assign(this.nameSpan.style, {\n color: '#ee78e6',\n borderRight: '1px solid #aaaaaa',\n paddingRight: '0.5rem',\n marginRight: '0.5rem',\n });\n\n this.dimSpan = doc.createElement('span');\n this.tip.appendChild(this.dimSpan);\n assign(this.dimSpan.style, {\n color: '#d7d7d7',\n });\n\n this.tip.style.zIndex = '10000000';\n container.appendChild(this.tip);\n }\n\n remove() {\n if (this.tip.parentNode) {\n this.tip.parentNode.removeChild(this.tip);\n }\n }\n\n updateText(name: string, width: number, height: number) {\n this.nameSpan.textContent = name;\n this.dimSpan.textContent = Math.round(width) + 'px' + ' x ' + Math.round(height) + 'px';\n }\n\n updatePosition(dims: Box, bounds: Box) {\n const tipRect = this.tip.getBoundingClientRect();\n const tipPos = findTipPos(dims, bounds, {\n width: tipRect.width,\n height: tipRect.height,\n });\n assign(this.tip.style, tipPos.style);\n }\n}\n\nexport default class Overlay {\n window: Window;\n tipBoundsWindow: Window;\n container: HTMLElement;\n tip: OverlayTip;\n rects: Array<OverlayRect>;\n\n constructor() {\n // Find the root window, because overlays are positioned relative to it.\n const currentWindow = window.__REACT_DEVTOOLS_TARGET_WINDOW__ || window;\n this.window = currentWindow;\n\n // When opened in shells/dev, the tooltip should be bound by the app iframe, not by the topmost window.\n const tipBoundsWindow = window.__REACT_DEVTOOLS_TARGET_WINDOW__ || window;\n this.tipBoundsWindow = tipBoundsWindow;\n\n const doc = currentWindow.document;\n this.container =
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doc.createElement('div');\n this.container.style.zIndex = '10000000';\n\n this.tip =
 new OverlayTip(doc, this.container);\n this.rects = [];\n\n doc.body.appendChild(this.container);\n }\n\n remove() {\n this.tip.remove();\n this.rects.forEach(rect => {\n rect.remove();\n });\n this.rects.length =
 0;\n if (this.container.parentNode) {\n this.container.parentNode.removeChild(this.container);\n }\n }\n\n inspect(nodes: Array<HTMLElement>, name?: ?string) {\n // We can't get the size of text nodes or comment
 nodes. React as of v15\n // heavily uses comment nodes to delimit text.\n const elements = nodes.filter(node =>
 node.nodeType === Node.ELEMENT_NODE);\n\n while (this.rects.length > elements.length) {\n const rect =
 this.rects.pop();\n rect.remove();\n }\n if (elements.length === 0) {\n return;\n }\n\n while
 (this.rects.length < elements.length) {\n this.rects.push(new OverlayRect(this.window.document,
 this.container));\n }\n\n const outerBox = {\n top: Number.POSITIVE_INFINITY,\n
 right: Number.NEGATIVE_INFINITY,\n bottom: Number.NEGATIVE_INFINITY,\n left:
 Number.POSITIVE_INFINITY,\n };\n elements.forEach((element, index) => {\n const box =
 getNestedBoundingClientRect(element, this.window);\n const dims = getElementDimensions(element);\n\n
 outerBox.top = Math.min(outerBox.top, box.top - dims.marginTop);\n outerBox.right = Math.max(\n
 outerBox.right,\n box.left + box.width + dims.marginRight,\n);\n outerBox.bottom = Math.max(\n
 outerBox.bottom,\n box.top + box.height + dims.marginBottom,\n);\n outerBox.left =
 Math.min(outerBox.left, box.left - dims.marginLeft);\n\n const rect = this.rects[index];\n rect.update(box,
 dims);\n });\n\n if (!name) {\n name = elements[0].nodeName.toLowerCase();\n const node =
 elements[0];\n const hook: DevToolsHook =\n
 node.ownerDocument.defaultView.__REACT_DEVTOOLS_GLOBAL_HOOK__;\n if (hook != null
 && hook.rendererInterfaces != null) {\n let ownerName = null;\n // eslint-disable-next-line no-for-of-
 loops/no-for-of-loops\n for (const rendererInterface of hook.rendererInterfaces.values()) {\n const id =
 rendererInterface.getFiberIDForNative(node, true);\n if (id !== null) {\n ownerName =
 rendererInterface.getDisplayNameForFiberID(id, true);\n break;\n }\n }\n if (ownerName)
 {\n name += ' (in ' + ownerName + ')';\n }\n }\n\n this.tip.updateText(\n name,\n
 outerBox.right - outerBox.left,\n outerBox.bottom - outerBox.top,\n);\n const tipBounds =
 getNestedBoundingClientRect(\n this.tipBoundsWindow.document.documentElement,\n this.window,\n
);\n\n this.tip.updatePosition(\n {\n top: outerBox.top,\n left: outerBox.left,\n height:
 outerBox.bottom - outerBox.top,\n width: outerBox.right - outerBox.left,\n
 },\n {\n top: tipBounds.top + this.tipBoundsWindow.scrollY,\n left: tipBounds.left +
 this.tipBoundsWindow.scrollX,\n height: this.tipBoundsWindow.innerHeight,\n width:
 this.tipBoundsWindow.innerWidth,\n },\n);\n }\n\n function findTipPos(dims, bounds, tipSize) {\n const
 tipHeight = Math.max(tipSize.height, 20);\n const tipWidth = Math.max(tipSize.width, 60);\n const margin =
 5;\n\n let top;\n if (dims.top + dims.height + tipHeight <= bounds.top + bounds.height) {\n if (dims.top +
 dims.height < bounds.top + 0) {\n top = bounds.top + margin;\n } else {\n top = dims.top + dims.height +
 margin;\n }\n } else if (dims.top - tipHeight <= bounds.top + bounds.height) {\n if (dims.top - tipHeight -
 margin < bounds.top + margin) {\n top = bounds.top + margin;\n } else {\n top = dims.top - tipHeight -
 margin;\n }\n } else {\n top = bounds.top + bounds.height - tipHeight - margin;\n }\n\n let left
 = dims.left + margin;\n if (dims.left < bounds.left) {\n left = bounds.left + margin;\n }\n if (dims.left + tipWidth
 > bounds.left + bounds.width) {\n left = bounds.left + bounds.width - tipWidth - margin;\n }\n\n top += 'px';\n
 left += 'px';\n return {\n style: {top, left},\n };\n }\n\n function boxWrap(dims, what, node) {\n assign(node.style,
 {\n borderTopWidth: dims[what + 'Top'] + 'px',\n borderLeftWidth: dims[what + 'Left'] + 'px',\n
 borderRightWidth: dims[what + 'Right'] + 'px',\n borderBottomWidth: dims[what + 'Bottom'] + 'px',\n
 borderStyle: 'solid',\n });\n }\n\n const overlayStyles = {\n background: 'rgba(120, 170, 210, 0.7)',\n padding:
 'rgba(77, 200, 0, 0.3)',\n margin: 'rgba(255, 155, 0, 0.3)',\n border: 'rgba(255, 200, 50, 0.3)',\n };
 }\n\n /**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in
 the\n * LICENSE file in the root directory of this source tree.\n * @flow\n

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*/\n\nimport Overlay from './Overlay';\n\nconst SHOW_DURATION = 2000;\n\nlet timeoutID: TimeoutID | null = null;\n\nlet overlay: Overlay | null = null;\n\nexport function hideOverlay() {\n timeoutID = null;\n if (overlay !== null) {\n overlay.remove();\n overlay = null;\n }\n}\n\nexport function showOverlay(\n elements: Array<HTMLElement> | null,\n componentName: string | null,\n hideAfterTimeout: boolean,\n) {\n // TODO (npm-packages) Detect RN and support it somehow\n if (window.document == null) {\n return;\n }\n if (timeoutID !== null) {\n clearTimeout(timeoutID);\n }\n if (elements == null) {\n return;\n }\n if (overlay === null) {\n overlay = new Overlay();\n }\n overlay.inspect(elements, componentName);\n if (hideAfterTimeout) {\n timeoutID = setTimeout(hideOverlay, SHOW_DURATION);\n }\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE

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file in the root directory of this source tree.\n * @flow\n */\n\nimport memoize from 'memoize-one';\nimport throttle from 'lodash.throttle';\nimport Agent from 'react-devtools-shared/src/backend/agent';\nimport {hideOverlay, showOverlay} from './Highlighter';\nimport type {BackendBridge} from 'react-devtools-shared/src/bridge';\n\n// This plug-in provides in-page highlighting of the selected element.\n// It is used by the browser extension and the standalone DevTools shell (when connected to a browser).\n// It is not currently the mechanism used to highlight React Native views.\n// That is done by the React Native Inspector component.\n\nlet iframesListeningTo: Set<HTMLIFrameElement> = new Set();\n\nexport default function setupHighlighter(\n bridge: BackendBridge,\n agent: Agent,\n): void {\n bridge.addListener('clearNativeElementHighlight',\n clearNativeElementHighlight,\n);\n bridge.addListener('highlightNativeElement', highlightNativeElement);\n bridge.addListener('shutdown',\n stopInspectingNative);\n bridge.addListener('startInspectingNative', startInspectingNative);\n bridge.addListener('stopInspectingNative', stopInspectingNative);\n\n function startInspectingNative() {\n registerListenersOnWindow(window);\n }\n\n function registerListenersOnWindow(window) {\n // This plug-in may run in non-DOM environments (e.g. React Native).\n if (window && typeof window.addEventListener === 'function') {\n window.addEventListener('click', onClick, true);\n window.addEventListener('mousedown', onMouseEvent, true);\n window.addEventListener('mouseover', onMouseEvent, true);\n window.addEventListener('mouseup', onMouseEvent, true);\n window.addEventListener('pointerdown', onPointerDown, true);\n window.addEventListener('pointerover', onPointerOver, true);\n window.addEventListener('pointerup', onPointerUp, true);\n }\n\n function stopInspectingNative() {\n hideOverlay();\n removeListenersOnWindow(window);\n\n iframesListeningTo.forEach(function(frame) {\n try {\n removeListenersOnWindow(frame.contentWindow);\n } catch (error) {\n // This can error when the iframe is on a cross-origin.\n }\n });\n iframesListeningTo = new Set();\n }\n\n function removeListenersOnWindow(window) {\n // This plug-in may run in non-DOM environments (e.g. React Native).\n if (window && typeof window.removeEventListener === 'function') {\n window.removeEventListener('click', onClick, true);\n window.removeEventListener('mousedown', onMouseEvent, true);\n window.removeEventListener('mouseover', onMouseEvent, true);\n window.removeEventListener('mouseup', onMouseEvent, true);\n window.removeEventListener('pointerdown', onPointerDown, true);\n window.removeEventListener('pointerover', onPointerOver, true);\n window.removeEventListener('pointerup', onPointerUp, true);\n }\n }\n\n function clearNativeElementHighlight() {\n hideOverlay();\n }\n\n function highlightNativeElement({\n displayName,\n hideAfterTimeout,\n id,\n openNativeElementsPanel,\n rendererID,\n scrollIntoView,\n }: {\n displayName: string | null,\n hideAfterTimeout: boolean,\n id: number,\n openNativeElementsPanel: boolean,\n rendererID: number,\n scrollIntoView: boolean,\n ... \n }) {\n const renderer = agent.rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn('Invalid renderer id \'' + rendererID + '\'' for element \'' + id + '\');\n }\n let nodes: ?Array<HTMLElement> = null;\n if (renderer != null) {\n nodes = ((renderer.findNativeNodesForFiberID(id,\n): any): ?Array<HTMLElement>);\n }\n if (nodes != null && nodes[0] != null) {\n const node =

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nodes[0];\n if (scrollIntoView && typeof node.scrollIntoView === 'function') {\n // If the node isn't visible
show it before highlighting it.\n // We may want
to reconsider this; it might be a little disruptive.\n // $FlowFixMe Flow only knows about 'start' | 'end'\nnode.scrollIntoView({block: 'nearest', inline: 'nearest'});\n }\n showOverlay(nodes, displayName,
hideAfterTimeout);\n if (openNativeElementsPanel) {\n
window.__REACT_DEVTOOLS_GLOBAL_HOOK__.$0 = node;\n
bridge.send('syncSelectionToNativeElementsPanel');\n } else {\n hideOverlay();\n }\n}\n\nfunction
onClick(event: MouseEvent) {\n event.preventDefault();\n event.stopPropagation();\n
stopInspectingNative();\n bridge.send('stopInspectingNative', true);\n}\n\nfunction onMouseEvent(event:
MouseEvent) {\n event.preventDefault();\n event.stopPropagation();\n}\n\nfunction onPointerDown(event:
MouseEvent) {\n event.preventDefault();\n event.stopPropagation();\n selectFiberForNode(((event.target:
any): HTMLElement));\n}\n\nfunction onPointerOver(event: MouseEvent) {\n
 event.preventDefault();\n event.stopPropagation();\n const target = ((event.target: any): HTMLElement);\n
if (target.tagName === 'IFRAME') {\n const iframe: HTMLIFrameElement = (target: any);\n try {\n if
(!iframesListeningTo.has(iframe)) {\n const window = iframe.contentWindow;\n
registerListenersOnWindow(window);\n iframesListeningTo.add(iframe);\n }\n } catch (error) {\n
// This can error when the iframe is on a cross-origin.\n }\n }\n // Don't pass the name explicitly.\n // It
will be inferred from DOM tag and Fiber owner.\n showOverlay([target], null, false);\n
selectFiberForNode(target);\n}\n\nfunction onPointerUp(event: MouseEvent) {\n event.preventDefault();\n
event.stopPropagation();\n}\n\nconst selectFiberForNode = throttle(\n memoize((node: HTMLElement) => {\n
 const id = agent.getIDForNode(node);\n if (id !== null) {\n bridge.send('selectFiber',
id);\n }\n }, 200, \n // Don't change the selection in the very first 200ms\n // because those are usually
unintentional as you lift the cursor.\n {leading: false}, \n);\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n */\n * @flow\n */\n\nimport type {Data} from './index';\nimport type {Rect} from
'./utils';\nimport type {NativeType} from './types';\n\nconst OUTLINE_COLOR = '#f0f0f0';\n\n// Note these
colors are in sync with DevTools Profiler chart colors.\nconst COLORS = [\n '#37afa9',\n '#63b19e',\n
'#80b393',\n '#97b488',\n '#abb67d',\n '#beb771',\n '#cfb965',\n '#dfba57',\n '#efbb49',\n
'#febc38',\n];\n\nlet
canvas: HTMLCanvasElement | null = null;\n\nexport function draw(nodeToData: Map<NativeType, Data>): void
{\n if (canvas === null) {\n initialize();\n }\n\n const canvasFlow: HTMLCanvasElement
= ((canvas: any): HTMLCanvasElement);\n canvasFlow.width = window.innerWidth;\n canvasFlow.height =
window.innerHeight;\n\n const context = canvasFlow.getContext('2d');\n context.clearRect(0, 0,
canvasFlow.width, canvasFlow.height);\n\n nodeToData.forEach(({count, rect}) => {\n if (rect !== null) {\n
const colorIndex = Math.min(COLORS.length - 1, count - 1);\n const color = COLORS[colorIndex];\n
drawBorder(context, rect, color);\n }\n });\n\n function drawBorder(\n context: CanvasRenderingContext2D,\n
rect: Rect,\n color: string,\n): void {\n const {height, left, top, width} = rect;\n\n // outline\n context.lineWidth =
1;\n context.strokeStyle = OUTLINE_COLOR;\n context.strokeRect(left - 1, top - 1, width + 2, height + 2);\n
\n // inset\n context.lineWidth = 1;\n context.strokeStyle = OUTLINE_COLOR;\n context.strokeRect(left + 1, top +
1, width - 1, height - 1);\n context.strokeStyle = color;\n context.setLineDash([0]);\n\n // border\n
 context.lineWidth = 1;\n context.strokeRect(left, top, width - 1, height - 1);\n }\n\n context.setLineDash([0]);\n}\n\nexport function destroy(): void {\n if (canvas !== null) {\n if (canvas.parentNode
!= null) {\n canvas.parentNode.removeChild(canvas);\n }\n canvas = null;\n }\n}\n\nfunction initialize():
void {\n canvas = window.document.createElement('canvas');\n canvas.style.cssText = `\n xx-background-color:
red;\n xx-opacity: 0.5;\n bottom: 0;\n left: 0;\n pointer-events: none;\n position: fixed;\n right: 0;\n top:
0;\n z-index: 1000000000;\n `;\n\n const root = window.document.documentElement;\n
root.insertBefore(canvas, root.firstChild);\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n */\n * @flow\n */\n\nimport Agent from 'react-devtools-shared/src/backend/agent';\nimport {destroy

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as destroyCanvas, draw} from './canvas';\nimport {getNestedBoundingClientRect} from './utils';\n\nimport type
{NativeType} from './types';\nimport type {Rect} from './utils';\n\n// How long the rect should be shown
for?\nconst DISPLAY_DURATION = 250;\n\n// What's the longest we are willing to show the overlay for?\n// This
can be important if we're getting a flurry of events (e.g. scroll update).\nconst MAX_DISPLAY_DURATION =
3000;\n\n// How long should a rect be considered valid for?\nconst REMEASUREMENT_AFTER_DURATION =
250;\n\n// Some environments (e.g. React Native / Hermes) don't support the performance API yet.\nconst
getCurrentTime = \n typeof performance === 'object' && typeof performance.now === 'function'\n ? () =>
performance.now()\n : () => Date.now();\n\nexport type Data = {\n count: number,\n expirationTime: number,\n lastMeasuredAt: number,\n rect: Rect | null,\n};\n\nconst nodeToData: Map<NativeType, Data> = new
Map();\n\nlet agent: Agent = ((null:
any): Agent);\n\nlet drawAnimationFrameID: AnimationFrameID | null = null;\n\nlet isEnabled: boolean = false;\n\nlet
redrawTimeoutID: TimeoutID | null = null;\n\nexport function initialize(injectedAgent: Agent): void {\n agent =
injectedAgent;\n agent.addListener('traceUpdates', traceUpdates);\n}\n\nexport function toggleEnabled(value:
boolean): void {\n isEnabled = value;\n\n if (!isEnabled) {\n nodeToData.clear();\n\n if
(drawAnimationFrameID !== null) {\n cancelAnimationFrame(drawAnimationFrameID);\n drawAnimationFrameID = null;\n }\n\n if (redrawTimeoutID !== null) {\n
clearTimeout(redrawTimeoutID);\n redrawTimeoutID = null;\n }\n\n destroyCanvas();\n }\n}\n\nfunction
traceUpdates(nodes: Set<NativeType>): void {\n if (!isEnabled) {\n return;\n }\n\n nodes.forEach(node => {\n
const data = nodeToData.get(node);\n const now = getCurrentTime();\n\n let lastMeasuredAt = data != null ?
data.lastMeasuredAt : 0;\n let rect = data !=
null ? data.rect : null;\n\n if (rect === null || lastMeasuredAt + REMEASUREMENT_AFTER_DURATION < now) {\n
 lastMeasuredAt = now;\n rect = measureNode(node);\n }\n\n nodeToData.set(node, {\n count: data
!= null ? data.count + 1 : 1,\n expirationTime: \n data != null\n ? Math.min(\n now +
MAX_DISPLAY_DURATION,\n data.expirationTime + DISPLAY_DURATION,\n)\n : now
+ DISPLAY_DURATION,\n lastMeasuredAt,\n rect,\n });\n\n if (redrawTimeoutID !== null) {\n
clearTimeout(redrawTimeoutID);\n redrawTimeoutID = null;\n }\n\n if (drawAnimationFrameID === null) {\n
drawAnimationFrameID = requestAnimationFrame(prepareToDraw);\n }\n\n function prepareToDraw(): void {\n
drawAnimationFrameID = null;\n redrawTimeoutID = null;\n\n const now = getCurrentTime();\n let
earliestExpiration = Number.MAX_VALUE;\n\n // Remove any items that have already expired.\n nodeToData.forEach((data,
node) => {\n if (data.expirationTime < now) {\n nodeToData.delete(node);\n } else {\n earliestExpiration
= Math.min(earliestExpiration, data.expirationTime);\n }\n });\n\n draw(nodeToData);\n\n if (earliestExpiration
!= Number.MAX_VALUE) {\n redrawTimeoutID = setTimeout(prepareToDraw, earliestExpiration - now);\n }\n }\n\n function measureNode(node: Object): Rect | null {\n
if (!node || typeof node.getBoundingClientRect !==
'function') {\n return null;\n }\n\n const currentWindow =
window.__REACT_DEVTOOLS_TARGET_WINDOW__ || window;\n\n return
getNestedBoundingClientRect(node, currentWindow);\n });\n\n /**\n * Copyright (c) Facebook, Inc. and its
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n */\n\n import EventEmitter from './events';\n\n import type
{ComponentFilter, Wall} from './types';\n\n import type {\n InspectedElementPayload,\n OwnersList,\n ProfilingDataBackend,\n RendererID,\n } from 'react-devtools-shared/src/backend/types';\n\n import type
{StyleAndLayout as StyleAndLayoutPayload} from 'react-devtools-shared/src/backend/NativeStyleEditor/types';\n\n import type {BrowserTheme} from 'react-devtools-shared/src/devtools/views/DevTools';\n\n const BATCH_DURATION = 100;\n\n // This message specifies the
version of the DevTools protocol currently supported by the backend,\n // as well as the earliest NPM version (e.g.
'4.13.0') that protocol is supported by on the frontend.\n // This enables an older frontend to display an upgrade
message to users for a newer, unsupported backend.\n\n export type BridgeProtocol = {\n // Version supported by the
current frontend/backend.\n version: number,\n\n // NPM version range that also supports this version.\n // Note

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that 'maxNpmVersion' is only set when the version is bumped.\n minNpmVersion: string,\n maxNpmVersion: string | null,\n});\n\n// Bump protocol version whenever a backwards breaking change is made\n// in the messages sent between BackendBridge and FrontendBridge.\n// This mapping is embedded in both frontend and backend builds.\n\n// The backend protocol will always be the latest entry in the BRIDGE\_PROTOCOL array.\n\n// When an older frontend connects to a newer backend,\n// the backend can send the minNpmVersion and the frontend can display an NPM upgrade prompt.\n\n// When a newer frontend connects with an older protocol version,\n// the frontend can use the embedded minNpmVersion/maxNpmVersion values to display a downgrade prompt.\n\nexport const BRIDGE\_PROTOCOL: Array<BridgeProtocol> = [\n // This version technically never existed,\n // but a backwards breaking change was added in 4.11,\n // so the safest guess to downgrade the frontend would be to version 4.10.\n {\n version: 0,\n minNpmVersion: "<4.11.0",\n maxNpmVersion: "<4.11.0",\n },\n {\n version: 1,\n minNpmVersion: '4.13.0',\n maxNpmVersion: '4.21.0',\n },\n // Version 2 adds a StrictMode-enabled and supports-StrictMode bits to add-root operation.\n {\n version: 2,\n minNpmVersion: '4.22.0',\n maxNpmVersion: null,\n },\n];\n\nexport const currentBridgeProtocol: BridgeProtocol =\n BRIDGE\_PROTOCOL[BRIDGE\_PROTOCOL.length - 1];\n\ntype ElementAndRendererID = {\n id: number, rendererID: RendererID};\n\ntype Message = {\n event: string,\n payload: any,\n};\n\ntype HighlightElementInDOM = {\n ...ElementAndRendererID,\n displayName: string | null,\n hideAfterTimeout: boolean,\n openNativeElementsPanel: boolean,\n scrollIntoView: boolean,\n};\n\ntype OverrideValue = {\n ...ElementAndRendererID,\n path: Array<string | number>,\n wasForwarded?: boolean,\n value: any,\n};\n\ntype OverrideHookState = {\n ...OverrideValue,\n hookID: number,\n};\n\ntype PathType = 'props' | 'hooks' | 'state' | 'context';\n\ntype DeletePath = {\n ...ElementAndRendererID,\n type: PathType,\n hookID?: ?number,\n path: Array<string | number>,\n};\n\ntype RenamePath = {\n ...ElementAndRendererID,\n type: PathType,\n hookID?: ?number,\n oldPath: Array<string | number>,\n newPath: Array<string | number>,\n};\n\ntype OverrideValueAtPath = {\n ...ElementAndRendererID,\n type: PathType,\n hookID?: ?number,\n path: Array<string | number>,\n value: any,\n};\n\ntype OverrideError = {\n ...ElementAndRendererID,\n forceError: boolean,\n};\n\ntype OverrideSuspense = {\n ...ElementAndRendererID,\n forceFallback: boolean,\n};\n\ntype CopyElementPathParams = {\n ...ElementAndRendererID,\n path: Array<string | number>,\n};\n\ntype ViewAttributeSourceParams = {\n ...ElementAndRendererID,\n path: Array<string | number>,\n};\n\ntype InspectElementParams = {\n ...ElementAndRendererID,\n forceFullData: boolean,\n path: Array<number | string> | null,\n requestID: number,\n};\n\ntype StoreAsGlobalParams = {\n ...ElementAndRendererID,\n count: number,\n path: Array<string | number>,\n};\n\ntype NativeStyleEditor\_RenameAttributeParams = {\n ...ElementAndRendererID,\n oldName: string,\n newName: string,\n value: string,\n};\n\ntype NativeStyleEditor\_SetValueParams = {\n ...ElementAndRendererID,\n name: string,\n value: string,\n};\n\ntype UpdateConsolePatchSettingsParams = {\n appendComponentStack: boolean,\n breakOnConsoleErrors: boolean,\n showInlineWarningsAndErrors: boolean,\n hideConsoleLogsInStrictMode: boolean,\n browserTheme: BrowserTheme,\n};\n\ntype SavedPreferencesParams = {\n appendComponentStack: boolean,\n breakOnConsoleErrors: boolean,\n componentFilters: Array<ComponentFilter>,\n showInlineWarningsAndErrors: boolean,\n hideConsoleLogsInStrictMode: boolean,\n};\n\nexport type BackendEvents = {\n backendVersion: [string],\n bridgeProtocol: [BridgeProtocol],\n extensionBackendInitialized: [],\n fastRefreshScheduled: [],\n getSavedPreferences: [],\n inspectedElement: [InspectedElementPayload],\n isBackendStorageAPISupported: [boolean],\n isSynchronousXHRSupported: [boolean],\n operations: [Array<number>],\n ownersList: [OwnersList],\n overrideComponentFilters: [Array<ComponentFilter>],\n profilingData: [ProfilingDataBackend],\n profilingStatus: [boolean],\n reloadAppForProfiling: [],\n selectFiber: [number],\n shutdown: [],\n stopInspectingNative: [boolean],\n syncSelectionFromNativeElementsPanel: [],\n syncSelectionToNativeElementsPanel: [],\n unsupportedRendererVersion: [RendererID],\n\n // React Native style editor plug-in.\n isNativeStyleEditorSupported: [boolean],\n {isSupported: boolean, validAttributes:



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?ReadOnlyArray<string>|},\n],\n NativeStyleEditor_styleAndLayout: [StyleAndLayoutPayload],\n|};\n\ntype
FrontendEvents = {\n clearErrorsAndWarnings: [{|rendererID: RendererID|}],\n clearErrorsForFiberID:
[ElementAndRendererID],\n clearNativeElementHighlight: [],\n clearWarningsForFiberID:
[ElementAndRendererID],\n copyElementPath: [CopyElementPathParams],\n deletePath: [DeletePath],\n
getBackendVersion:
[],\n getBridgeProtocol: [],\n getOwnersList: [ElementAndRendererID],\n getProfilingData: [{|rendererID:
RendererID|}],\n getProfilingStatus: [],\n highlightNativeElement: [HighlightElementInDOM],\n inspectElement:
[InspectElementParams],\n logElementToConsole: [ElementAndRendererID],\n overrideError: [OverrideError],\n
overrideSuspense: [OverrideSuspense],\n overrideValueAtPath: [OverrideValueAtPath],\n profilingData:
[ProfilingDataBackend],\n reloadAndProfile: [boolean],\n renamePath: [RenamePath],\n savedPreferences:
[SavedPreferencesParams],\n selectFiber: [number],\n setTraceUpdatesEnabled: [boolean],\n shutdown: [],\n
startInspectingNative: [],\n startProfiling: [boolean],\n stopInspectingNative: [boolean],\n stopProfiling: [],\n
storeAsGlobal: [StoreAsGlobalParams],\n updateComponentFilters: [Array<ComponentFilter>],\n
updateConsolePatchSettings: [UpdateConsolePatchSettingsParams],\n viewAttributeSource:
[ViewAttributeSourceParams],\n
viewElementSource: [ElementAndRendererID],\n\n // React Native style editor plug-in.\n
NativeStyleEditor_measure: [ElementAndRendererID],\n NativeStyleEditor_renameAttribute:
[NativeStyleEditor_RenameAttributeParams],\n NativeStyleEditor_setValue:
[NativeStyleEditor_SetValueParams],\n\n // Temporarily support newer standalone front-ends sending commands
to older embedded backends.\n // We do this because React Native embeds the React DevTools backend,\n // but
cannot control which version of the frontend users use.\n /\n // Note that nothing in the newer backend actually
listens to these events,\n // but the new frontend still dispatches them (in case older backends are listening to them
instead).\n /\n // Note that this approach does no support the combination of a newer backend with an older
frontend.\n // It would be more work to support both approaches (and not run handlers twice)\n // so I chose to
support the more likely/common scenario (and the one more difficult
for an end user to "fix").\n overrideContext: [OverrideValue],\n overrideHookState: [OverrideHookState],\n
overrideProps: [OverrideValue],\n overrideState: [OverrideValue],\n|};\n\nclass Bridge<\n OutgoingEvents:
Object,\n IncomingEvents: Object,\n> extends EventEmitter<{\n ...IncomingEvents,\n ...OutgoingEvents,\n|}>
{\n _isShutdown: boolean = false;\n _messageQueue: Array<any> = [];\n _timeoutID: TimeoutID | null = null;\n
_wall: Wall;\n _wallUnlisten: Function | null = null;\n\n constructor(wall: Wall) {\n super();\n this._wall =
wall;\n\n this._wallUnlisten = \n wall.listen((message: Message) => {\n if (message && message.event) {\n
(this: any).emit(message.event, message.payload);\n } \n }) || null;\n\n // Temporarily support older
standalone front-ends sending commands to newer embedded backends.\n // We do this because React Native
embeds the React DevTools backend,\n // but cannot control which version of the
frontend users use.\n this.addListener('overrideValueAtPath', this.overrideValueAtPath);\n }\n\n // Listening
directly to the wall isn't advised.\n // It can be used to listen for legacy (v3) messages (since they use a different
format).\n get wall(): Wall {\n return this._wall;\n }\n\n send<EventName: $Keys<OutgoingEvents>>(<\n
event: EventName,\n ...payload: $ElementType<OutgoingEvents, EventName>\n) {\n if (this._isShutdown) {\n
console.warn(\n `Cannot send message ``${event}` through a Bridge that has been shutdown.`,\n);\n
return;\n }\n\n // When we receive a message:\n // - we add it to our queue of messages to be sent\n // - if
there hasn't been a message recently, we set a timer for 0 ms in\n // the future, allowing all messages created in
the same tick to be sent\n // together\n // - if there *has* been a message flushed in the last
BATCH_DURATION ms\n // (or we're waiting for our setTimeout-0 to fire),
then _timeoutID will\n // be set, and we'll simply add to the queue and wait for that\n
this._messageQueue.push(event, payload);\n if (!this._timeoutID) {\n this._timeoutID = setTimeout(this._flush,
0);\n }\n }\n }\n\n shutdown() {\n if (this._isShutdown) {\n console.warn('Bridge was already shutdown.');

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from EventEmitter that can add more listeners and send more messages.\n // $FlowFixMe This property is not
writable.\n this.addListener = function() {};\n // $FlowFixMe This property is not writable.\n this.emit =
function() {};\n // NOTE: There's also EventEmitter API like `on` and `prependListener` that we didn't add to our
Flow type of EventEmitter.\n\n // Unsubscribe this bridge incoming message
listeners to be sure, and so they don't have to do that.\n this.removeAllListeners();\n\n // Stop accepting and
emitting incoming messages from the wall.\n const wallUnlisten = this._wallUnlisten;\n if (wallUnlisten) {\n
wallUnlisten();\n }\n\n // Synchronously flush all queued outgoing messages.\n // At this step the subscribers'
code may run in this call stack.\n do {\n this._flush();\n } while (this._messageQueue.length);\n\n // Make
sure once again that there is no dangling timer.\n if (this._timeoutID !== null) {\n
clearTimeout(this._timeoutID);\n this._timeoutID = null;\n }\n }\n\n _flush = () => {\n // This method is
used after the bridge is marked as destroyed in shutdown sequence,\n // so we do not bail out if the bridge marked
as destroyed.\n // It is a private method that the bridge ensures is only called at the right times.\n\n if
(this._timeoutID !== null) {\n clearTimeout(this._timeoutID);\n
this._timeoutID = null;\n }\n\n if (this._messageQueue.length) {\n for (let i = 0; i <
this._messageQueue.length; i += 2) {\n this._wall.send(this._messageQueue[i], ...this._messageQueue[i + 1]);\n
}\n this._messageQueue.length = 0;\n\n // Check again for queued messages in BATCH_DURATION ms.
This will keep\n // flushing in a loop as long as messages continue to be added. Once no\n // more are, the
timer expires.\n this._timeoutID = setTimeout(this._flush, BATCH_DURATION);\n }\n };\n\n // Temporarily
support older standalone backends by forwarding \"overrideValueAtPath\" commands\n // to the older message
types they may be listening to.\n overrideValueAtPath = ({\n id,\n path,\n rendererID,\n type,\n value,\n
}: OverrideValueAtPath) => {\n switch (type) {\n case 'context':\n this.send('overrideContext', {\n
id,\n path,\n rendererID,\n wasForwarded: true,\n
value,\n });\n break;\n case 'hooks':\n this.send('overrideHookState', {\n id,\n path,\n
rendererID,\n wasForwarded: true,\n value,\n });\n break;\n case 'props':\n
this.send('overrideProps', {\n id,\n path,\n rendererID,\n wasForwarded: true,\n value,\n
});\n break;\n case 'state':\n this.send('overrideState', {\n id,\n path,\n rendererID,\n
wasForwarded: true,\n value,\n });\n break;\n }\n };\n\n\nexport type BackendBridge =
Bridge<BackendEvents, FrontendEvents>;\nexport type FrontendBridge = Bridge<FrontendEvents,
BackendEvents>;\n\nexport default Bridge;\n", "/*\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n *\n @flow\n *\n\nimport EventEmitter from '../events';\nimport throttle from 'lodash.throttle';\nimport {\n
SESSION_STORAGE_LAST_SELECTION_KEY,\n SESSION_STORAGE_RELOAD_AND_PROFILE_KEY,\n
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY,\n __DEBUG__,\n } from
'../constants';\nimport {\n sessionStorageGetItem,\n sessionStorageRemoveItem,\n sessionStorageSetItem,\n } from
'react-devtools-shared/src/storage';\nimport setupHighlighter from './views/Highlighter';\nimport {\n initialize as
setupTraceUpdates,\n toggleEnabled as setTraceUpdatesEnabled,\n } from './views/TraceUpdates';\nimport {patch
as patchConsole} from './console';\nimport {currentBridgeProtocol} from 'react-devtools-
shared/src/bridge';\nimport type {BackendBridge} from 'react-devtools-shared/src/bridge';\nimport type {\n
InstanceAndStyle,\n NativeType,\n OwnersList,\n PathFrame,\n PathMatch,\n RendererID,\n
RendererInterface,\n } from './types';\nimport type {ComponentFilter} from './types';\nimport
{isSynchronousXHRSupported}\n
from './utils';\nimport type {BrowserTheme} from 'react-devtools-shared/src/devtools/views/DevTools';\n\nconst
debug = (methodName, ...args) => {\n if (__DEBUG__) {\n console.log(\n `%cAgent %c${methodName}`, \n
'color: purple; font-weight: bold;', \n 'font-weight: bold;', \n ...args, \n);\n }\n };\n\n\ntype
ElementAndRendererID = {\n id: number,\n rendererID: number,\n};\n\ntype StoreAsGlobalParams = {\n count:
number,\n id: number,\n path: Array<string | number>,\n rendererID: number,\n};\n\ntype CopyElementParams =
{\n id: number,\n path: Array<string | number>,\n rendererID: number,\n};\n\ntype InspectElementParams = {\n

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forceFullData: boolean,\n id: number,\n path: Array<string | number> | null,\n rendererID: number,\n requestID: number,\n});\n\ntype OverrideHookParams = {\n id: number,\n hookID: number,\n path: Array<string | number>,\n rendererID: number,\n wasForwarded?: boolean,\n value: any,\n};\n\ntype SetInParams = {\n id: number,\n path: Array<string | number>,\n rendererID: number,\n wasForwarded?: boolean,\n value: any,\n};\n\ntype PathType = 'props' | 'hooks' | 'state' | 'context';\n\ntype DeletePathParams = {\n type: PathType,\n hookID?: ?number,\n id: number,\n path: Array<string | number>,\n rendererID: number,\n};\n\ntype RenamePathParams = {\n type: PathType,\n hookID?: ?number,\n id: number,\n oldPath: Array<string | number>,\n newPath: Array<string | number>,\n rendererID: number,\n};\n\ntype OverrideValueAtPathParams = {\n type: PathType,\n hookID?: ?number,\n id: number,\n path: Array<string | number>,\n rendererID: number,\n value: any,\n};\n\ntype OverrideErrorParams = {\n id: number,\n rendererID: number,\n forceError: boolean,\n};\n\ntype OverrideSuspenseParams = {\n id: number,\n rendererID: number,\n forceFallback: boolean,\n};\n\ntype PersistedSelection = {\n rendererID: number,\n path: Array<PathFrame>,\n};\n\nexport default class

Agent extends EventEmitter<{\n hideNativeHighlight: [],\n showNativeHighlight: [NativeType],\n shutdown: [],\n traceUpdates: [Set<NativeType>],\n}> {\n \_bridge: BackendBridge;\n \_isProfiling: boolean = false;\n \_recordChangeDescriptions: boolean = false;\n \_rendererInterfaces: {[key: RendererID]: RendererInterface, ...} = {};\n \_persistedSelection: PersistedSelection | null = null;\n \_persistedSelectionMatch: PathMatch | null = null;\n \_traceUpdatesEnabled: boolean = false;\n\n constructor(bridge: BackendBridge) {\n super();\n\n if (\n sessionStorage.getItem(SESSION\_STORAGE\_RELOAD\_AND\_PROFILE\_KEY) === 'true'\n ) {\n this.\_recordChangeDescriptions =\n sessionStorage.getItem(\n SESSION\_STORAGE\_RECORD\_CHANGE\_DESCRIPTIONS\_KEY,\n ) === 'true';\n this.\_isProfiling = true;\n\n sessionStorage.removeItem(SESSION\_STORAGE\_RECORD\_CHANGE\_DESCRIPTIONS\_KEY);\n sessionStorage.removeItem(SESSION\_STORAGE\_RELOAD\_AND\_PROFILE\_KEY);\n }\n\n const persistedSelectionString = sessionStorage.getItem(\n SESSION\_STORAGE\_LAST\_SELECTION\_KEY,\n );\n if (persistedSelectionString !== null) {\n this.\_persistedSelection = JSON.parse(persistedSelectionString);\n }\n\n this.\_bridge = bridge;\n\n bridge.addListener('clearErrorsAndWarnings', this.clearErrorsAndWarnings);\n bridge.addListener('clearErrorsForFiberID', this.clearErrorsForFiberID);\n bridge.addListener('clearWarningsForFiberID', this.clearWarningsForFiberID);\n bridge.addListener('copyElementPath', this.copyElementPath);\n bridge.addListener('deletePath', this.deletePath);\n bridge.addListener('getBackendVersion', this.getBackendVersion);\n bridge.addListener('getBridgeProtocol', this.getBridgeProtocol);\n bridge.addListener('getProfilingData', this.getProfilingData);\n bridge.addListener('getProfilingStatus', this.getProfilingStatus);\n bridge.addListener('getOwnersList', this.getOwnersList);\n bridge.addListener('inspectElement', this.inspectElement);\n bridge.addListener('logElementToConsole', this.logElementToConsole);\n bridge.addListener('overrideError', this.overrideError);\n bridge.addListener('overrideSuspense', this.overrideSuspense);\n bridge.addListener('overrideValueAtPath', this.overrideValueAtPath);\n bridge.addListener('reloadAndProfile', this.reloadAndProfile);\n bridge.addListener('renamePath', this.renamePath);\n bridge.addListener('setTraceUpdatesEnabled', this.setTraceUpdatesEnabled);\n bridge.addListener('startProfiling', this.startProfiling);\n bridge.addListener('stopProfiling', this.stopProfiling);\n bridge.addListener('storeAsGlobal', this.storeAsGlobal);\n bridge.addListener(\n 'syncSelectionFromNativeElementsPanel',\n this.syncSelectionFromNativeElementsPanel,\n );\n bridge.addListener('shutdown', this.shutdown);\n bridge.addListener(\n 'updateConsolePatchSettings',\n this.updateConsolePatchSettings,\n );\n bridge.addListener('updateComponentFilters', this.updateComponentFilters);\n bridge.addListener('viewAttributeSource', this.viewAttributeSource);\n bridge.addListener('viewElementSource', this.viewElementSource);\n\n // Temporarily support older standalone front-ends sending commands to newer embedded backends.\n // We do this because React Native embeds the React DevTools backend,\n // but cannot

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control which version of the frontend users use.\n bridge.addListener('overrideContext', this.overrideContext);\n bridge.addListener('overrideHookState', this.overrideHookState);\n bridge.addListener('overrideProps', this.overrideProps);\n bridge.addListener('overrideState', this.overrideState);\n\n if (this._isProfiling) {\n bridge.send('profilingStatus', true);\n }\n\n // Send the Bridge protocol and backend versions, after initialization,\n in case the frontend has already requested it.\n // The Store may be instantiated before the agent.\n const version = process.env.DEVTOOLS_VERSION;\n if (version) {\n this._bridge.send('backendVersion', version);\n }\n this._bridge.send('bridgeProtocol', currentBridgeProtocol);\n\n // Notify the frontend if the\n backend supports the Storage API (e.g. localStorage).\n // If not, features like reload-and-profile will not work\n correctly and must be disabled.\n let isBackendStorageAPISupported = false;\n try {\n localStorage.getItem('test');\n isBackendStorageAPISupported = true;\n } catch (error) {}\n bridge.send('isBackendStorageAPISupported', isBackendStorageAPISupported);\n bridge.send('isSynchronousXHRSupported', isSynchronousXHRSupported());\n\n setupHighlighter(bridge, this);\n setupTraceUpdates(this);\n\n get rendererInterfaces(): {[key: RendererID]: RendererInterface, ...} {\n return this._rendererInterfaces;\n }\n\n clearErrorsAndWarnings = ({rendererID}: {[rendererID: RendererID]}) => {\n const renderer = this._rendererInterfaces[rendererID];\n\n if (renderer == null) {\n console.warn(`Invalid renderer id "${rendererID}"`);\n } else {\n renderer.clearErrorsAndWarnings();\n }\n }\n\n clearErrorsForFiberID = ({id, rendererID}: ElementAndRendererID) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id "${rendererID}"`);\n } else {\n renderer.clearErrorsForFiberID(id);\n }\n }\n\n clearWarningsForFiberID = ({id, rendererID}: ElementAndRendererID) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id "${rendererID}"`);\n } else {\n renderer.clearWarningsForFiberID(id);\n }\n }\n\n copyElementPath = ({id, path, rendererID}: CopyElementParams) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id "${rendererID}"`);\n } else {\n renderer.copyElementPath(id, path);\n }\n }\n\n deletePath = ({hookID, id, path, rendererID, type}: DeletePathParams) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id "${rendererID}"`);\n } else {\n renderer.deletePath(type, id, hookID, path);\n }\n }\n\n getInstanceAndStyle({id, rendererID}: ElementAndRendererID): InstanceAndStyle | null {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id "${rendererID}"`);\n } else {\n return renderer.getInstanceAndStyle(id);\n }\n }\n\n getIDForNode(node: Object): number | null {\n for (const rendererID in this._rendererInterfaces) {\n const renderer = (this._rendererInterfaces[rendererID] as any);\n try {\n const id = renderer.getFiberIDForNative(node, true);\n if (id !== null) {\n return id;\n }\n } catch (error) {\n // Some old React versions might throw if they can't find a match.\n // If so we should ignore it...\n }\n }\n return null;\n }\n\n getBackendVersion = () => {\n const version = process.env.DEVTOOLS_VERSION;\n if (version) {\n this._bridge.send('backendVersion', version);\n }\n }\n\n getBridgeProtocol = () => {\n this._bridge.send('bridgeProtocol', currentBridgeProtocol);\n }\n\n getProfilingData = ({rendererID}: {[rendererID: RendererID]}) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id "${rendererID}"`);\n } else {\n this._bridge.send('profilingData', renderer.getProfilingData());\n }\n }\n\n getProfilingStatus = () => {\n this._bridge.send('profilingStatus', this._isProfiling);\n }\n\n getOwnersList = ({id, rendererID}: ElementAndRendererID) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id "${rendererID}"`);\n } else {\n const owners = renderer.getOwnersList(id);\n this._bridge.send('ownersList', ({id, owners}: OwnersList));\n }\n }\n\n inspectElement = ({forceFullData, id, path, rendererID, requestID}: InspectElementParams) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id

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 \`${rendererID}` for element \`${id}`");\n } else {\n this._bridge.send(\n 'inspectedElement',\n renderer.inspectElement(requestID, id, path, forceFullData),\n);\n\n // When user selects an element, stop\n trying to restore the selection,\n // and instead remember the current selection for the next reload.\n if (\n this._persistedSelectionMatch === null ||\n this._persistedSelectionMatch.id !== id\n) {\n this._persistedSelection = null;\n this._persistedSelectionMatch = null;\n renderer.setTrackedPath(null);\n this._throttledPersistSelection(rendererID, id);\n }\n\n // TODO: If there was a way to change the selected\n DOM element\n // in native Elements tab without forcing a switch to it, we'd do it here.\n // For now, it doesn't\n seem like there is a way to do that:\n // https://github.com/bvaughn/react-devtools-experimental/issues/102\n // (Setting $0 doesn't work, and calling inspect() switches the tab.)\n }\n};\n\nlogElementToConsole = ({id,\n rendererID}: ElementAndRendererID) => {\n const renderer = this._rendererInterfaces[rendererID];\n if\n (renderer == null) {\n console.warn(`Invalid renderer id \`${rendererID}` for element \`${id}`");\n  } else {\n    renderer.logElementToConsole(id);\n  }\n};\n\noverrideError = ({id, rendererID, forceError}: OverrideErrorParams) => {\n  const renderer =\n  this._rendererInterfaces[rendererID];\n  if (renderer == null) {\n    console.warn(`Invalid renderer id\n \`${rendererID}` for element \`${id}`");\n } else {\n renderer.overrideError(id, forceError);\n }\n};\n\noverrideSuspense = ({\n id,\n rendererID,\n forceFallback,\n}: OverrideSuspenseParams) => {\n const\n renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id\n    \`${rendererID}` for element \`${id}`");\n } else {\n renderer.overrideSuspense(id, forceFallback);\n }\n};\n\noverrideValueAtPath = ({\n hookID,\n id,\n path,\n rendererID,\n type,\n value,\n}: OverrideValueAtPathParams) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer ==\n null) {\n console.warn(`Invalid renderer id \`${rendererID}` for element \`${id}`");\n } else {\n renderer.overrideValueAtPath(type, id, hookID, path, value);\n }\n};\n\n// Temporarily support\nolder standalone front-ends by forwarding the older message types\n// to the new "overrideValueAtPath"\ncommand the backend is now listening to.\n\noverrideContext = ({\n id,\n path,\n rendererID,\n wasForwarded,\n value,\n}: SetInParams) => {\n // Don't forward a message that's already been forwarded by\n the front-end Bridge.\n // We only need to process the override command once!\n if (!wasForwarded) {\n this.overrideValueAtPath({\n id,\n path,\n rendererID,\n type: 'context',\n value,\n });\n }\n};\n\n// Temporarily support older standalone front-ends by forwarding the older message types\n// to the new\n"overrideValueAtPath" command the backend is now listening to.\n\noverrideHookState = ({\n id,\n hookID,\n path,\n rendererID,\n wasForwarded,\n value,\n}: OverrideHookParams) => {\n // Don't forward a message that's already been forwarded by the front-end\n Bridge.\n // We only need to process the override command once!\n if (!wasForwarded) {\n this.overrideValueAtPath({\n id,\n path,\n rendererID,\n type: 'hooks',\n value,\n });\n }\n};\n\n// Temporarily support older standalone front-ends by forwarding the older message types\n// to the new\n"overrideValueAtPath" command the backend is now listening to.\n\noverrideProps = ({\n id,\n path,\n rendererID,\n wasForwarded,\n value,\n}: SetInParams) => {\n // Don't forward a message that's already been\n forwarded by the front-end Bridge.\n // We only need to process the override command once!\n if\n (!wasForwarded) {\n this.overrideValueAtPath({\n id,\n path,\n rendererID,\n type: 'props',\n value,\n });\n }\n};\n\n// Temporarily support older standalone\nfront-ends by forwarding the older message types\n// to the new "overrideValueAtPath" command the backend is\nnow listening to.\n\noverrideState = ({\n id,\n path,\n rendererID,\n wasForwarded,\n value,\n}: SetInParams) => {\n // Don't forward a message that's already been forwarded by the front-end Bridge.\n // We\n only need to process the override command once!\n if (!wasForwarded) {\n this.overrideValueAtPath({\n id,\n path,\n rendererID,\n type: 'state',\n value,\n });\n }\n};\n\nreloadAndProfile =\n(recordChangeDescriptions: boolean) => {\n sessionStorage.setItem(SESSION_STORAGE_RELOAD_AND_PROFILE_KEY, 'true');\n sessionStorage.setItem(\n SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY,\n recordChangeDescriptions ? 'true' : 'false',\n);\n\n // This code path should only be hit if the shell has explicitly

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told the Store that it supports profiling.\n // In that case, the shell must
also listen for this specific message to know when it needs to reload the app.\n // The agent can't do this in a way
that is renderer agnostic.\n this._bridge.send('reloadAppForProfiling');\n };\n\n renamePath = ({\n hookID,\n id,\n newPath,\n oldPath,\n rendererID,\n type,\n }: RenamePathParams) => {\n const renderer =
this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id
"${rendererID}" for element "${id}"`);\n } else {\n renderer.renamePath(type, id, hookID, oldPath,
newPath);\n }\n };\n\n selectNode(target: Object): void {\n const id = this.getIDForNode(target);\n if (id !==
null) {\n this._bridge.send('selectFiber', id);\n }\n }\n\n setRendererInterface(\n rendererID: RendererID,\n
rendererInterface: RendererInterface,\n) {\n this._rendererInterfaces[rendererID] = rendererInterface;\n\n if
(this._isProfiling) {\n rendererInterface.startProfiling(this._recordChangeDescriptions);\n
}\n\n rendererInterface.setTraceUpdatesEnabled(this._traceUpdatesEnabled);\n\n // When the renderer is
attached, we need to tell it whether\n // we remember the previous selection that we'd like to restore.\n // It'll start
tracking mounts for matches to the last selection path.\n const selection = this._persistedSelection;\n if (selection
!== null && selection.rendererID === rendererID) {\n rendererInterface.setTrackedPath(selection.path);\n }\n
}\n\n setTraceUpdatesEnabled = (traceUpdatesEnabled: boolean) => {\n this._traceUpdatesEnabled =
traceUpdatesEnabled;\n\n setTraceUpdatesEnabled(traceUpdatesEnabled);\n\n for (const rendererID in
this._rendererInterfaces) {\n const renderer = ((this._rendererInterfaces[\n (rendererID: any)\n]: any):
RendererInterface);\n renderer.setTraceUpdatesEnabled(traceUpdatesEnabled);\n }\n };\n\n
syncSelectionFromNativeElementsPanel = () => {\n const
target = window.__REACT_DEVTOOLS_GLOBAL_HOOK__.$0;\n if (target == null) {\n return;\n }\n
this.selectNode(target);\n };\n\n shutdown = () => {\n // Clean up the overlay if visible, and associated events.\n
this.emit('shutdown');\n };\n\n startProfiling = (recordChangeDescriptions: boolean) => {\n
this._recordChangeDescriptions = recordChangeDescriptions;\n this._isProfiling = true;\n for (const rendererID
in this._rendererInterfaces) {\n const renderer = ((this._rendererInterfaces[\n (rendererID: any)\n]: any):
RendererInterface);\n renderer.startProfiling(recordChangeDescriptions);\n }\n
this._bridge.send('profilingStatus', this._isProfiling);\n };\n\n stopProfiling = () => {\n this._isProfiling = false;\n
this._recordChangeDescriptions = false;\n for (const rendererID in this._rendererInterfaces) {\n const renderer
= ((this._rendererInterfaces[\n (rendererID: any)\n]: any): RendererInterface);\n
renderer.stopProfiling();\n }\n this._bridge.send('profilingStatus', this._isProfiling);\n };\n\n storeAsGlobal
= ({count, id, path, rendererID}: StoreAsGlobalParams) => {\n const renderer =
this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id
"${rendererID}" for element "${id}"`);\n } else {\n renderer.storeAsGlobal(id, path, count);\n }\n };\n\n
updateConsolePatchSettings = ({\n appendComponentStack,\n breakOnConsoleErrors,\n
showInlineWarningsAndErrors,\n hideConsoleLogsInStrictMode,\n browserTheme,\n }: {\n
appendComponentStack: boolean,\n breakOnConsoleErrors: boolean,\n showInlineWarningsAndErrors:
boolean,\n hideConsoleLogsInStrictMode: boolean,\n browserTheme: BrowserTheme,\n }) => {\n // If the
frontend preference has change,\n // or in the case of React Native- if the backend is just finding out the
preference-\n // then reinstall the console
overrides.\n // It's safe to call these methods multiple times, so we don't need to worry about that.\n
patchConsole({\n appendComponentStack,\n breakOnConsoleErrors,\n showInlineWarningsAndErrors,\n
hideConsoleLogsInStrictMode,\n browserTheme,\n });\n }\n\n updateComponentFilters =
(componentFilters: Array<ComponentFilter>) => {\n for (const rendererID in this._rendererInterfaces) {\n
const renderer = ((this._rendererInterfaces[\n (rendererID: any)\n]: any): RendererInterface);\n
renderer.updateComponentFilters(componentFilters);\n }\n };\n\n viewAttributeSource = ({id, path, rendererID}:
CopyElementParams) => {\n const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n
console.warn(`Invalid renderer id "${rendererID}" for element "${id}"`);\n } else {\n
renderer.prepareViewAttributeSource(id, path);\n }\n }\n\n viewElementSource = ({id, rendererID}:
ElementAndRendererID)

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}\n\n let targetConsole: Object = console;\n let targetConsoleMethods = {};\n for (const method in console) {\n
targetConsoleMethods[method] = console[method];\n }\n\n function dangerous_setTargetConsoleForTesting(\n
targetConsoleForTesting: Object,\n): void {\n targetConsole = targetConsoleForTesting;\n\n targetConsoleMethods = {};\n for (const method in targetConsole) {\n targetConsoleMethods[method] =
console[method];\n }\n }\n\n function detectReactBuildType(renderer) {\n try {\n if (typeof renderer.version
=== 'string') {\n // React DOM Fiber (16+)\n if (renderer.bundleType > 0) {\n // This is not a
production build.\n // We are currently only using 0 (PROD) and 1 (DEV)\n // but might add 2
(PROFILE) in the future.\n return 'development';\n }\n\n // React 16 uses flat bundles. If we report the
bundle as production\n // version, it means we also minified and envified it
ourselves.\n return 'production';\n }\n // Note: There is still a risk that the CommonJS entry point has not\n
// been envified or uglified. In this case the user would have *both*\n // development and production bundle, but
only the prod one would run.\n // This would be really bad. We have a separate check for this because\n // it
happens *outside* of the renderer injection. See `checkDCE` below.\n }\n\n const toString =
Function.prototype.toString;\n if (renderer.Mount && renderer.Mount._renderNewRootComponent) {\n //
React DOM Stack\n const renderRootCode = toString.call(\n
renderer.Mount._renderNewRootComponent,\n);\n // Filter out bad results (if that is even possible):\n
if (renderRootCode.indexOf('function') !== 0) {\n // Hope for the best if we're not sure.\n return
'production';\n }\n // Check for React DOM Stack < 15.1.0 in development.\n // If it contains `\"storedMeasure\"` call, it's wrapped in ReactPerf (DEV only).\n // This would be true even if it's
minified, as method name still matches.\n if (renderRootCode.indexOf('storedMeasure') !== -1) {\n return
'development';\n }\n // For other versions (and configurations) it's not so easy.\n // Let's quickly exclude
proper production builds.\n // If it contains a warning message, it's either a DEV build,\n // or an PROD
build without proper dead code elimination.\n if (renderRootCode.indexOf('should be a pure function') !== -1)\n {\n // Now how do we tell a DEV build from a bad PROD build?\n // If we see NODE_ENV, we're going
to assume this is a dev build\n // because most likely it is referring to an empty shim.\n if
(renderRootCode.indexOf('NODE_ENV') !== -1) {\n return 'development';\n }\n // If we see
`\"development\"`, we're dealing with an envified
DEV build\n // (such as the official React DEV UMD).\n if (renderRootCode.indexOf('development')
!== -1) {\n return 'development';\n }\n // I've seen process.env.NODE_ENV !== 'production'
being smartly\n // replaced by `true` in DEV by Webpack. I don't know how that\n // works but we can
safely guard against it because `true` was\n // never used in the function source since it was written.\n if
(renderRootCode.indexOf('true') !== -1) {\n return 'development';\n }\n // By now either it is a
production build that has not been minified,\n // or (worse) this is a minified development build using non-
standard\n // environment (e.g. `\"staging\"`). We're going to look at whether\n // the function argument
name is mangled:\n if (\n // 0.13 to 15\n renderRootCode.indexOf('nextElement') !== -1 ||\n // 0.12\n
renderRootCode.indexOf('nextComponent') !== -1\n) {\n // We can't be certain whether this is a
development build or not,\n // but it is definitely unminified.\n return 'unminified';\n } else {\n
// This is likely a minified development build.\n return 'development';\n }\n }\n // By now
we know that it's envified and dead code elimination worked,\n // but what if it's still not minified? (Is this even
possible?)\n // Let's check matches for the first argument name.\n if (\n // 0.13 to 15\n renderRootCode.indexOf('nextElement') !== -1 ||\n // 0.12\n renderRootCode.indexOf('nextComponent')
!== -1\n) {\n return 'unminified';\n }\n // Seems like we're using the production version.\n //
However, the branch above is Stack-only so this is 15 or earlier.\n return 'outdated';\n }\n } catch
(err) {\n // Weird environments may exist.\n // This code needs a higher fault tolerance\n // because it runs
even with closed DevTools.\n // TODO: should we catch errors in all injected code, and not just this part?\n }\n
return 'production';\n }\n\n function checkDCE(fn: Function) {\n // This runs for production versions of React.\n
// Needs to be super safe.\n try {\n const toString = Function.prototype.toString;\n const code =

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toString.call(fn);\n\n // This is a string embedded in the passed function under DEV-only\n // condition.
 However the function executes only in PROD. Therefore,\n // if we see it, dead code elimination did not work.\n if (code.indexOf('^_') > -1) {\n // Remember to report during next injection.\n hasDetectedBadDCE =
true;\n\n // Bonus: throw an exception hoping that it gets picked up by a reporting system.\n // Not
synchronously so that it doesn't break the calling
 code.\n setTimeout(function() {\n throw new Error(\n 'React is running in production mode, but
dead code ' +\n 'elimination has not been applied. Read how to correctly ' +\n 'configure React for
production: ' +\n 'https://reactjs.org/link/perf-use-production-build',\n);\n });\n } catch
(err) {\n }\n\n // NOTE: KEEP IN SYNC with src/backend/utils.js\n function format(\n maybeMessage: any,\n ...inputArgs: $ReadOnlyArray<any>\n): string {\n const args = inputArgs.slice();\n\n // Symbols cannot be
concatenated with Strings.\n let formatted = String(maybeMessage);\n\n // If the first argument is a string, check
for substitutions.\n if (typeof maybeMessage === 'string') {\n if (args.length) {\n const REGEXP =
/(%?)(%([jds]))/g;\n\n formatted = formatted.replace(REGEXP, (match, escaped, ptn, flag) => {\n let arg
= args.shift();\n\n switch (flag) {\n case 's':\n arg += ";\n break;\n case 'd':\n case 'i':\n arg
= parseInt(arg, 10).toString();\n break;\n case 'f':\n arg = parseFloat(arg).toString();\n break;\n }\n\n if (!escaped) {\n return arg;\n }\n\n args.unshift(arg);\n return match;\n });\n }\n\n // Arguments that remain after formatting.\n if (args.length) {\n for (let i = 0; i <
args.length; i++) {\n formatted += ' ' + String(args[i]);\n }\n }\n\n // Update escaped %% values.\n formatted = formatted.replace(/%{2,2}/g, '%');\n\n return String(formatted);\n }\n\n let unpatchFn = null;\n\n //
NOTE: KEEP IN SYNC with src/backend/console.js:patchForStrictMode\n // This function hides or dims console
logs during the initial double render\n // in Strict Mode. We need this function because
 during initial render,\n // React and DevTools are connecting and the renderer interface isn't available\n // and we
want to be able to have consistent logging behavior for double logs\n // during the initial render.\n function
patchConsoleForInitialRenderInStrictMode({\n hideConsoleLogsInStrictMode,\n browserTheme,\n }): {\n hideConsoleLogsInStrictMode: boolean,\n browserTheme: BrowserTheme,\n } {\n const
overrideConsoleMethods = ['error', 'trace', 'warn', 'log'];\n\n if (unpatchFn !== null) {\n // Don't patch twice.\n return;\n }\n\n const originalConsoleMethods = {};\n\n unpatchFn = () => {\n for (const method in
originalConsoleMethods) {\n try {\n // $FlowFixMe property error|warn is not writable.\n targetConsole[method] = originalConsoleMethods[method];\n } catch (error) {\n }\n }\n };\n\n overrideConsoleMethods.forEach(method => {\n try {\n const originalMethod =
(originalConsoleMethods[method]
 = targetConsole[\n method\n].__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__\n ? targetConsole[method].__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__\n :
targetConsole[method]);\n\n const overrideMethod = (...args) => {\n if (!hideConsoleLogsInStrictMode)\n {\n // Dim the text color of the double logs if we're not\n // hiding them.\n let color;\n\n switch (method) {\n case 'warn':\n color =\n browserTheme === 'light'\n ?
process.env.LIGHT_MODE_DIMMED_WARNING_COLOR\n :
process.env.DARK_MODE_DIMMED_WARNING_COLOR;\n break;\n case 'error':\n color =\n browserTheme === 'light'\n ?
process.env.LIGHT_MODE_DIMMED_ERROR_COLOR\n :
process.env.DARK_MODE_DIMMED_ERROR_COLOR;\n break;\n case 'log':\n default:\n color =\n browserTheme === 'light'\n ?
process.env.LIGHT_MODE_DIMMED_LOG_COLOR\n :
process.env.DARK_MODE_DIMMED_LOG_COLOR;\n break;\n }\n\n if (color) {\n originalMethod(`%c${format(...args)}`, `color: ${color}`);\n } else {\n throw Error('Console color is
not defined');\n }\n }\n }\n\n overrideMethod.__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__ = originalMethod;\n }

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originalMethod.__REACT_DEVTOOLS_STRICT_MODE_OVERRIDE_METHOD__ = overrideMethod;\n\n
// $FlowFixMe property error|warn is not writable.\n targetConsole[method] = overrideMethod;\n } catch
(error) {};\n });\n }\n\n // NOTE: KEEP IN SYNC with src/backend/console.js:unpatchForStrictMode\n function
unpatchConsoleForInitialRenderInStrictMode() {\n if (unpatchFn !== null) {\n unpatchFn();\n
 unpatchFn = null;\n }\n }\n\n let uidCounter = 0;\n\n function inject(renderer) {\n const id =
++uidCounter;\n renderers.set(id, renderer);\n\n const reactBuildType = hasDetectedBadDCE\n ?
'deadcode'\n : detectReactBuildType(renderer);\n\n // Patching the console enables DevTools to do a few useful
things:\n // * Append component stacks to warnings and error messages\n // * Disabling or marking logs during
a double render in Strict Mode\n // * Disable logging during re-renders to inspect hooks (see
inspectHooksOffFiber))\n /\n // For React Native, we intentionally patch early (during injection).\n // This
provides React Native developers with components stacks even if they don't run DevTools.\n /\n // This won't
work for DOM though, since this entire file is eval'ed and inserted as a script tag.\n // In that case, we'll only patch
parts of the console that are needed during the first render\n // and patch everything
 else later (when the frontend attaches).\n /\n // Don't patch in test environments because we don't want to
interfere with Jest's own console overrides.\n /\n // Note that because this function is inlined, this conditional
check must only use static booleans.\n // Otherwise the extension will throw with an undefined error.\n // (See
comments in the try/catch below for more context on inlining.)\n if (!__TEST__ && !__EXTENSION__) {\n
 try {\n const appendComponentStack =\n
window.__REACT_DEVTOOLS_APPEND_COMPONENT_STACK__ !== false;\n const
breakOnConsoleErrors =\n window.__REACT_DEVTOOLS_BREAK_ON_CONSOLE_ERRORS__ ===
true;\n const showInlineWarningsAndErrors =\n
window.__REACT_DEVTOOLS_SHOW_INLINE_WARNINGS_AND_ERRORS__ !== false;\n const
hideConsoleLogsInStrictMode =\n
window.__REACT_DEVTOOLS_HIDE_CONSOLE_LOGS_IN_STRICT_MODE__ === true;\n const
browserTheme = window.__REACT_DEVTOOLS_BROWSER_THEME__;\n\n
 // The installHook() function is injected by being stringified in the browser,\n // so imports outside of this
function do not get included.\n /\n // Normally we could check \"typeof patchConsole === 'function'\",\n
 // but Webpack wraps imports with an object (e.g.
_backend_console__WEBPACK_IMPORTED_MODULE_0__)\n // and the object itself will be undefined as
well for the reasons mentioned above,\n // so we use try/catch instead.\n
 registerRendererWithConsole(renderer);\n patchConsole({\n appendComponentStack,\n
 breakOnConsoleErrors,\n showInlineWarningsAndErrors,\n hideConsoleLogsInStrictMode,\n
 browserTheme,\n });\n } catch (error) {};\n }\n\n // If we have just reloaded to profile, we need to inject
the renderer interface before the app loads.\n // Otherwise the renderer won't yet exist and we can skip this step.\n
const attach = target.__REACT_DEVTOOLS_ATTACH__;\n
 if (typeof attach === 'function') {\n const rendererInterface = attach(hook, id, renderer, target);\n
 hook.rendererInterfaces.set(id, rendererInterface);\n }\n\n hook.emit('renderer', {\n id,\n renderer,\n
 reactBuildType,\n });\n\n return id;\n }\n\n let hasDetectedBadDCE = false;\n\n function sub(event, fn) {\n
hook.on(event, fn);\n return () => hook.off(event, fn);\n }\n\n function on(event, fn) {\n if (!listeners[event])
{\n listeners[event] = [];\n }\n listeners[event].push(fn);\n }\n\n function off(event, fn) {\n if
(!listeners[event]) {\n return;\n }\n const index = listeners[event].indexOf(fn);\n if (index !== -1) {\n
listeners[event].splice(index, 1);\n }\n if (!listeners[event].length) {\n delete listeners[event];\n }\n }\n\n
function emit(event, data) {\n if (listeners[event]) {\n listeners[event].map(fn => fn(data));\n }\n }\n\n
function getFiberRoots(rendererID) {\n const roots = fiberRoots;\n if (!roots[rendererID]) {\n
roots[rendererID] = new Set();\n }\n return roots[rendererID];\n }\n\n function
onCommitFiberUnmount(rendererID, fiber) {\n const rendererInterface = rendererInterfaces.get(rendererID);\n
 if (rendererInterface !== null) {\n rendererInterface.handleCommitFiberUnmount(fiber);\n }\n }\n\n function
onCommitFiberRoot(rendererID, root, priorityLevel) {\n const mountedRoots =

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hook.getFiberRoots(rendererID);\n const current = root.current;\n const isKnownRoot =
mountedRoots.has(root);\n const isUnmounting =\n current.memoizedState == null ||
current.memoizedState.element == null;\n\n // Keep track of mounted roots so we can hydrate when DevTools
connect.\n if (!isKnownRoot && !isUnmounting) {\n mountedRoots.add(root);\n } else if (isKnownRoot &&
isUnmounting) {\n mountedRoots.delete(root);\n }\n const rendererInterface =
rendererInterfaces.get(rendererID);\n\n if (rendererInterface != null) {\n rendererInterface.handleCommitFiberRoot(root, priorityLevel);\n }\n}\n\nfunction onPostCommitFiberRoot(rendererID, root) {\n const rendererInterface =
rendererInterfaces.get(rendererID);\n if (rendererInterface != null) {\n
rendererInterface.handlePostCommitFiberRoot(root);\n }\n}\n\nfunction setStrictMode(rendererID,
isStrictMode) {\n const rendererInterface = rendererInterfaces.get(rendererID);\n if (rendererInterface != null)
{\n if (isStrictMode) {\n rendererInterface.patchConsoleForStrictMode();\n } else {\n
rendererInterface.unpatchConsoleForStrictMode();\n }\n } else {\n // This should only happen during initial
render in the extension before DevTools\n // finishes its handshake with the injected renderer\n if
(isStrictMode) {\n const hideConsoleLogsInStrictMode =\nwindow.__REACT_DEVTOOLS_HIDE_CONSOLE_LOGS_IN_STRICT_MODE__
=== true;\n const browserTheme = window.__REACT_DEVTOOLS_BROWSER_THEME__;\n\n
patchConsoleForInitialRenderInStrictMode({\n hideConsoleLogsInStrictMode,\n browserTheme,\n
});\n } else {\n unpatchConsoleForInitialRenderInStrictMode();\n }\n }\n}\n\n type StackFrameString
= string;\n\n const openModuleRangesStack: Array<StackFrameString> = [];\n const moduleRanges:
Array<[StackFrameString, StackFrameString]> = [];\n\n function getTopStackFrameString(error: Error):
StackFrameString | null {\n const frames = error.stack.split("\n");\n const frame = frames.length > 1 ? frames[1] :
null;\n return frame;\n}\n\n function getInternalModuleRanges(): Array<\n [StackFrameString,
StackFrameString],\n > {\n return moduleRanges;\n}\n\n function registerInternalModuleStart(error: Error) {\n
const startStackFrame = getTopStackFrameString(error);\n if (startStackFrame !== null) {\n
openModuleRangesStack.push(startStackFrame);\n\n }\n}\n\n function registerInternalModuleStop(error: Error) {\n if (openModuleRangesStack.length > 0) {\n
const startStackFrame = openModuleRangesStack.pop();\n const stopStackFrame =
getTopStackFrameString(error);\n if (stopStackFrame !== null) {\n moduleRanges.push([startStackFrame,
stopStackFrame]);\n }\n }\n}\n\n // TODO: More meaningful names for \"rendererInterfaces\" and
\"renderers\".\n const fiberRoots = {};\n const rendererInterfaces = new Map();\n const listeners = {};\n const
renderers = new Map();\n\n const hook: DevToolsHook = {\n rendererInterfaces,\n listeners,\n\n // Fast
Refresh for web relies on this.\n renderers,\n\n emit,\n getFiberRoots,\n inject,\n on,\n off,\n sub,\n\n // This is a legacy flag.\n // React v16 checks the hook for this to ensure DevTools is new enough.\n
supportsFiber: true,\n\n // React calls these methods.\n checkDCE,\n\n onCommitFiberUnmount,\n onCommitFiberRoot,\n onPostCommitFiberRoot,\n setStrictMode,\n\n //
Schedule Profiler runtime helpers.\n // These internal React modules to report their own boundaries\n // which in
turn enables the profiler to dim or filter internal frames.\n getInternalModuleRanges,\n
registerInternalModuleStart,\n registerInternalModuleStop,\n };\n\n if (__TEST__) {\n
hook.dangerous_setTargetConsoleForTesting = dangerous_setTargetConsoleForTesting;\n }\n\n
Object.defineProperty(\n target,\n '__REACT_DEVTOOLS_GLOBAL_HOOK__',\n ({\n // This property
needs to be configurable for the test environment,\n // else we won't be able to delete and recreate it between
tests.\n configurable: __DEV__,\n enumerable: false,\n get() {\n return hook;\n },\n }): Object),\n
);\n\n return hook;\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed
under the MIT\n\n license found in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nimport type
{InternalInstance} from './renderer';\n\nexport function decorate(object: Object, attr: string, fn: Function): Function
{\n const old = object[attr];\n object[attr] = function(instance: InternalInstance) {\n return fn.call(this, old,

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arguments);\n };\n return old;\n}\n\nexport function decorateMany(\n source: Object,\n fns: {[attr: string]:
Function, ...},\n): Object {\n const olds = {};\n for (const name in fns) {\n olds[name] = decorate(source, name,
fns[name]);\n }\n return olds;\n}\n\nexport function restoreMany(source: Object, olds: Object): void {\n for (const
name in olds) {\n source[name] = olds[name];\n }\n}\n\nexport function forceUpdate(instance: InternalInstance):
void {\n if (typeof instance.forceUpdate === 'function') {\n instance.forceUpdate();\n } else if (\ninstance.updater != null &&\n typeof instance.updater.enqueueForceUpdate
=== 'function'\n) {\n instance.updater.enqueueForceUpdate(this, () => {}, 'forceUpdate');\n }\n}\n\n", /**\n *
Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in
the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport {\n ElementTypeClass,\n ElementTypeFunction,\n ElementTypeRoot,\n ElementTypeHostComponent,\n ElementTypeOtherOrUnknown,\n} from 'react-devtools-shared/src/types';\nimport {getUID, utfEncodeString,
printOperationsArray} from '../utils';\nimport {\n cleanForBridge,\n copyToClipboard,\n copyWithDelete,\n copyWithRename,\n copyWithSet,\n} from '../utils';\nimport {\n deletePathInObject,\n getDisplayName,\n getInObject,\n renamePathInObject,\n setInObject,\n} from 'react-devtools-shared/src/utils';\nimport {\n __DEBUG__,\n TREE_OPERATION_ADD,\n TREE_OPERATION_REMOVE,\n TREE_OPERATION_REORDER_CHILDREN,\n} from '../constants';\nimport {decorateMany,
forceUpdate, restoreMany} from './utils';\nimport type {\n DevToolsHook,\n GetFiberIDForNative,\n InspectedElementPayload,\n InstanceAndStyle,\n NativeType,\n PathFrame,\n PathMatch,\n RendererInterface,\n} from './types';\nimport type {\n ComponentFilter,\n ElementType,\n} from 'react-devtools-
shared/src/types';\nimport type {InspectedElement, SerializedElement} from './types';\n\nexport type
InternalInstance = Object;\nntype LegacyRenderer = Object;\n\nfunction getData(internalInstance: InternalInstance)
{\n let displayName = null;\n let key = null;\n // != used deliberately here to catch undefined and null\n if
(internalInstance._currentElement != null) {\n if (internalInstance._currentElement.key) {\n key =
String(internalInstance._currentElement.key);\n }\n const elementType =
internalInstance._currentElement.type;\n if (typeof elementType === 'string') {\n displayName =
elementType;\n } else if (typeof elementType === 'function') {\n displayName = getDisplayName(elementType);\n }\n }\n return {\n displayName,\n key,\n };\n}\n\nfunction getElementType(internalInstance: InternalInstance): ElementType {\n // != used deliberately here
to catch undefined and null\n if (internalInstance._currentElement != null) {\n const elementType =
internalInstance._currentElement.type;\n if (typeof elementType === 'function') {\n const publicInstance =
internalInstance.getPublicInstance();\n if (publicInstance !== null) {\n return ElementTypeClass;\n } else
{\n return ElementTypeFunction;\n }\n } else if (typeof elementType === 'string') {\n return
ElementTypeHostComponent;\n }\n }\n return ElementTypeOtherOrUnknown;\n}\n\nfunction
getChildren(internalInstance: Object): Array<any> {\n const children = [];\n // If the parent is a native node
without rendered children, but with\n // multiple string children, then the `element` that gets passed in here
is\n // a plain value -- a string or number.\n if (typeof internalInstance !== 'object') {\n // No children\n } else if
(\n internalInstance._currentElement === null ||\n internalInstance._currentElement === false\n) {\n // No
children\n } else if (internalInstance._renderedComponent) {\n const child =
internalInstance._renderedComponent;\n if (getElementType(child) !== ElementTypeOtherOrUnknown) {\n children.push(child);\n }\n } else if (internalInstance._renderedChildren) {\n const renderedChildren =
internalInstance._renderedChildren;\n for (const name in renderedChildren) {\n const child =
renderedChildren[name];\n if (getElementType(child) !== ElementTypeOtherOrUnknown) {\n children.push(child);\n }\n }\n }\n // Note: we skip the case where children are just strings or numbers\n // because the new DevTools skips over host text nodes anyway.\n return children;\n}\n\nexport function attach(\nhook: DevToolsHook,\n
rendererID: number,\nrenderer: LegacyRenderer,\nglobal: Object,\n): RendererInterface {\n const
idToInternalInstanceMap: Map<number, InternalInstance> = new Map();\n const internalInstanceToIDMap:
WeakMap<\n InternalInstance,\n number,\n > = new WeakMap();\n const internalInstanceToRootIDMap:

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WeakMap<\n InternalInstance,\n number,\n > = new WeakMap();\n\n let getInternalIDForNative:
GetFiberIDForNative = ((null: any): GetFiberIDForNative);\n let findNativeNodeForInternalID: (id: number) =>
?NativeType;\n\n if (renderer.ComponentTree) {\n getInternalIDForNative = (node,
findNearestUnfilteredAncestor) => {\n const internalInstance =
renderer.ComponentTree.getClosestInstanceFromNode(\n node,\n);\n return
internalInstanceToIDMap.get(internalInstance) || null;\n }; \n findNativeNodeForInternalID = (id: number) =>
{\n const internalInstance = idToInternalInstanceMap.get(id);\n return
renderer.ComponentTree.getNodeFromInstance(internalInstance);\n
 };\n } else if (renderer.Mount.getID && renderer.Mount.getNode) {\n getInternalIDForNative = (node,
findNearestUnfilteredAncestor) => {\n // Not implemented.\n return null;\n }; \n
findNativeNodeForInternalID = (id: number) => {\n // Not implemented.\n return null;\n }; \n }\n\n
function getDisplayNameForFiberID(id: number): string | null {\n const internalInstance =
idToInternalInstanceMap.get(id);\n return internalInstance ? getData(internalInstance).displayName : null;\n } \n\n
function getID(internalInstance: InternalInstance): number {\n if (typeof internalInstance !== 'object' ||
internalInstance === null) {\n throw new Error('Invalid internal instance: ' + internalInstance);\n } \n if
(!internalInstanceToIDMap.has(internalInstance)) {\n const id = getUID();\n internalInstanceToIDMap.set(internalInstance, id);\n idToInternalInstanceMap.set(id, internalInstance);\n } \n
return ((internalInstanceToIDMap.get(internalInstance):
any): number);\n } \n\n
function areEqualArrays(a, b) {\n if (a.length !== b.length) {\n return false;\n } \n
for (let i = 0; i < a.length; i++) {\n if (a[i] !== b[i]) {\n return false;\n } \n } \n return true;\n } \n\n //
This is shared mutable state that lets us keep track of where we are.\n let parentIDStack = [];\n\n let
oldReconcilerMethods = null;\n if (renderer.Reconciler) {\n // React 15\n oldReconcilerMethods =
decorateMany(renderer.Reconciler, {\n mountComponent(fn, args) {\n const internalInstance = args[0];\n
const hostContainerInfo = args[3];\n if (getElementType(internalInstance) ===
ElementTypeOtherOrUnknown) {\n return fn.apply(this, args);\n } \n if
(hostContainerInfo._topLevelWrapper === undefined) {\n // SSR\n return fn.apply(this, args);\n
} \n\n const id = getID(internalInstance);\n // Push the
operation.\n const parentID =\n parentIDStack.length > 0\n ? parentIDStack[parentIDStack.length
- 1]\n : 0;\n recordMount(internalInstance, id, parentID);\n parentIDStack.push(id);\n\n //
Remember the root.\n internalInstanceToRootIDMap.set(\n internalInstance,\n
getID(hostContainerInfo._topLevelWrapper),\n);\n\n try {\n const result = fn.apply(this, args);\n
parentIDStack.pop();\n return result;\n } catch (err) {\n parentIDStack = [];\n throw err;\n
} finally {\n if (parentIDStack.length === 0) {\n const rootID =
internalInstanceToRootIDMap.get(internalInstance);\n if (rootID === undefined) {\n throw new
Error('Expected to find root ID.);\n } \n flushPendingEvents(rootID);\n } \n } \n },\n
performUpdateIfNecessary(fn, args) {\n const
internalInstance = args[0];\n if (getElementType(internalInstance) === ElementTypeOtherOrUnknown) {\n
return fn.apply(this, args);\n } \n\n const id = getID(internalInstance);\n parentIDStack.push(id);\n\n
const prevChildren = getChildren(internalInstance);\n try {\n const result = fn.apply(this, args);\n\n
const nextChildren = getChildren(internalInstance);\n if (!areEqualArrays(prevChildren, nextChildren)) {\n
// Push the operation\n recordReorder(internalInstance, id, nextChildren);\n } \n\n
parentIDStack.pop();\n return result;\n } catch (err) {\n parentIDStack = [];\n throw err;\n
} finally {\n if (parentIDStack.length === 0) {\n const rootID =
internalInstanceToRootIDMap.get(internalInstance);\n if (rootID === undefined) {\n throw new
Error('Expected to find root ID.);\n
 } \n flushPendingEvents(rootID);\n } \n } \n },\n },\n },\n
receiveComponent(fn, args) {\n const
internalInstance = args[0];\n if (getElementType(internalInstance) === ElementTypeOtherOrUnknown) {\n
return fn.apply(this, args);\n } \n\n const id = getID(internalInstance);\n parentIDStack.push(id);\n\n

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const prevChildren = getChildren(internalInstance);\n try {\n const result = fn.apply(this, args);\n const nextChildren = getChildren(internalInstance);\n if (!areEqualArrays(prevChildren, nextChildren)) {\n // Push the operation\n recordReorder(internalInstance, id, nextChildren);\n }\n parentIDStack.pop();\n return result;\n } catch (err) {\n parentIDStack = [];\n throw err;\n } finally {\n if (parentIDStack.length === 0) {\n const rootID =\n internalInstanceToRootIDMap.get(internalInstance);\n if (rootID === undefined) {\n throw new Error('Expected to find root ID.);\n }\n flushPendingEvents(rootID);\n }\n },\n unmountComponent(fn, args) {\n const\n internalInstance = args[0];\n if (getElementType(internalInstance) === ElementTypeOtherOrUnknown) {\n return fn.apply(this, args);\n }\n const id = getID(internalInstance);\n parentIDStack.push(id);\n try {\n const result = fn.apply(this, args);\n parentIDStack.pop();\n // Push the operation.\n recordUnmount(internalInstance, id);\n return result;\n } catch (err) {\n parentIDStack = [];\n throw err;\n } finally {\n if (parentIDStack.length === 0) {\n const rootID =\n internalInstanceToRootIDMap.get(internalInstance);\n if (rootID === undefined) {\n throw new\n Error('Expected\n to find root ID.);\n }\n flushPendingEvents(rootID);\n }\n },\n });\n}\n\nfunction\ncleanup() {\n if (oldReconcilerMethods !== null) {\n if (renderer.Component) {\n restoreMany(renderer.Component.Mixin, oldReconcilerMethods);\n } else {\n restoreMany(renderer.Reconciler, oldReconcilerMethods);\n }\n oldReconcilerMethods = null;\n }\n\n function recordMount(\n internalInstance: InternalInstance,\n id: number,\n parentID: number,\n) {\n const\n isRoot = parentID === 0;\n if (__DEBUG__) {\n console.log(\n '%crecordMount()',\n 'color: green;\n font-weight: bold;',\n id,\n getData(internalInstance).displayName,\n);\n }\n if (isRoot) {\n //\n TODO Is this right? For all versions?\n const hasOwnerMetadata =\n internalInstance._currentElement !=\n null &&\n internalInstance._currentElement._owner != null;\n pushOperation(TREE_OPERATION_ADD);\n pushOperation(id);\n pushOperation(ElementTypeRoot);\n pushOperation(0); // StrictMode compliant?\n pushOperation(0); // Profiling flag\n pushOperation(0); //\n StrictMode supported?\n pushOperation(hasOwnerMetadata ? 1 : 0);\n } else {\n const type =\n getElementType(internalInstance);\n const {displayName, key} = getData(internalInstance);\n const\n ownerID =\n internalInstance._currentElement != null &&\n internalInstance._currentElement._owner !=\n null\n ? getID(internalInstance._currentElement._owner)\n : 0;\n const displayNameStringID =\n getStringID(displayName);\n const keyStringID = getStringID(key);\n pushOperation(TREE_OPERATION_ADD);\n pushOperation(id);\n pushOperation(type);\n pushOperation(parentID);\n pushOperation(ownerID);\n pushOperation(displayNameStringID);\n pushOperation(keyStringID);\n }\n }\n\n function recordReorder(\n internalInstance: InternalInstance,\n id: number,\n nextChildren:\n Array<InternalInstance>,\n) {\n pushOperation(TREE_OPERATION_REORDER_CHILDREN);\n pushOperation(id);\n const nextChildIDs = nextChildren.map(getID);\n pushOperation(nextChildIDs.length);\n for (let i = 0; i < nextChildIDs.length; i++) {\n pushOperation(nextChildIDs[i]);\n }\n }\n\n function\n recordUnmount(internalInstance: InternalInstance, id: number) {\n pendingUnmountedIDs.push(id);\n idToInternalInstanceMap.delete(id);\n }\n\n function crawlAndRecordInitialMounts(\n id: number,\n parentID:\n number,\n rootID: number,\n) {\n if (__DEBUG__) {\n console.group('crawlAndRecordInitialMounts() id:',\n id);\n }\n const internalInstance = idToInternalInstanceMap.get(id);\n if (internalInstance != null) {\n internalInstanceToRootIDMap.set(internalInstance, rootID);\n recordMount(internalInstance, id, parentID);\n getChildren(internalInstance).forEach(child\n =>\n crawlAndRecordInitialMounts(getID(child), id, rootID),\n);\n }\n if (__DEBUG__) {\n console.groupEnd();\n }\n }\n\n function flushInitialOperations() {\n // Crawl roots though and register any\n nodes that mounted before we were injected.\n const roots =\n renderer.Mount._instancesByReactRootID ||\n renderer.Mount._instancesByContainerID;\n for (const key in roots) {\n const internalInstance =

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roots[key];\n const id = getID(internalInstance);\n crawlAndRecordInitialMounts(id, 0, id);\n flushPendingEvents(id);\n }\n}\n\nconst pendingOperations: Array<number> = [];\nconst pendingStringTable: Map<string, number> = new Map();\nlet pendingUnmountedIDs: Array<number> = [];\nlet pendingStringTableLength: number = 0;\nlet pendingUnmountedRootID: number | null = null;\n\nfunction flushPendingEvents(rootID: number) {\n if (\n pendingOperations.length === 0\n &&\n pendingUnmountedIDs.length === 0\n &&\n pendingUnmountedRootID === null\n) {\n return;\n }\n\n const numUnmountIDs =\n pendingUnmountedIDs.length + (pendingUnmountedRootID === null ? 0 : 1);\n\n const operations = new Array(\n // Identify which renderer this update is coming from.\n 2 + // [rendererID, rootFiberID]\n // How big is the string table?\n 1 + // [stringTableLength]\n // Then goes the actual string table.\n pendingStringTableLength +\n // All unmounts are batched in a single message.\n // [TREE_OPERATION_REMOVE, removedIDLength, ...ids]\n (numUnmountIDs > 0 ? 2 + numUnmountIDs : 0) +\n // Mount operations\n pendingOperations.length,\n);\n\n // Identify which renderer this update is coming from.\n // This enables roots to be mapped to renderers,\n // Which in turn enables fiber propretions, states, and hooks to be inspected.\n let i = 0;\n operations[i++] = rendererID;\n operations[i++] = rootID;\n\n // Now fill in the string table.\n // [stringTableLength, str1Length, ...str1, str2Length, ...str2, ...]\n operations[i++] = pendingStringTableLength;\n pendingStringTable.forEach((value, key) => {\n operations[i++] = key.length;\n const encodedKey = utfEncodeString(key);\n for (let j = 0; j < encodedKey.length; j++) {\n operations[i + j] = encodedKey[j];\n }\n i += key.length;\n });\n\n if (numUnmountIDs > 0) {\n // All unmounts except roots are batched in a single message.\n operations[i++] = TREE_OPERATION_REMOVE;\n // The first number is how many unmounted IDs we're gonna send.\n operations[i++] = numUnmountIDs;\n // Fill in the unmounts\n for (let j = 0; j < pendingUnmountedIDs.length; j++) {\n operations[i++] = pendingUnmountedIDs[j];\n }\n // The root ID should always be unmounted last.\n if (pendingUnmountedRootID !== null) {\n operations[i] = pendingUnmountedRootID;\n i++;\n }\n }\n\n // Fill in the rest of the operations.\n for (let j = 0; j < pendingOperations.length; j++) {\n operations[i + j] = pendingOperations[j];\n }\n i += pendingOperations.length;\n\n if (__DEBUG__) {\n printOperationsArray(operations);\n }\n\n // If we've already connected to the frontend, just pass the operations through.\n hook.emit('operations', operations);\n\n pendingOperations.length = 0;\n pendingUnmountedIDs = [];\n pendingUnmountedRootID = null;\n\n pendingStringTable.clear();\n pendingStringTableLength = 0;\n}\n\nfunction pushOperation(op: number): void {\n if (__DEV__) {\n if (!Number.isInteger(op)) {\n console.error(\n 'pushOperation() was called but the value is not an integer.',\n op,\n);\n }\n }\n pendingOperations.push(op);\n}\n\nfunction getStringID(str: string | null): number {\n if (str === null) {\n return 0;\n }\n const existingID = pendingStringTable.get(str);\n if (existingID !== undefined) {\n return existingID;\n }\n const stringID = pendingStringTable.size + 1;\n pendingStringTable.set(str, stringID);\n // The string table total length needs to account\n // both for the string length, and for the array item\n // that contains the length itself. Hence + 1.\n pendingStringTableLength += str.length + 1;\n return stringID;\n}\n\nlet currentlyInspectedElementID: number | null = null;\nlet currentlyInspectedPaths: Object = {};\n\n// Track the intersection of currently inspected paths,\n// so that we can send their data along if the element is re-rendered.\nfunction mergeInspectedPaths(path: Array<string | number>) {\n let current = currentlyInspectedPaths;\n path.forEach(key => {\n if (!current[key]) {\n current[key] = {};\n }\n current = current[key];\n });\n}\n\nfunction createIsPathAllowed(key: string) {\n // This function helps prevent previously-inspected paths from being dehydrated in updates.\n // This is important to avoid a bad user experience where expanded toggles collapse on update.\n return function isPathAllowed(path: Array<string | number>): boolean {\n let current = currentlyInspectedPaths[key];\n if (!current) {\n return false;\n }\n for (let i = 0; i < path.length; i++) {\n current = current[path[i]];\n if (!current) {\n return false;\n }\n }\n return true;\n };\n}\n\n// Fast path props lookup for React Native style editor.\nfunction getInstanceAndStyle(id: number): InstanceAndStyle {\n let instance = null;\n let style = null;\n\n const internalInstance =

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idToInternalInstanceMap.get(id);\n if (internalInstance != null) {\n instance = internalInstance._instance ||\n null;\n\n const element = internalInstance._currentElement;\n\n if (element != null && element.props != null) {\n style = element.props.style || null;\n }\n\n return\n {\n instance,\n style,\n };\n\n\n function updateSelectedElement(id: number): void {\n const\n internalInstance = idToInternalInstanceMap.get(id);\n if (internalInstance == null) {\n console.warn(`Could not\n        find instance with id \"${id}\"`);\n return;\n }\n\n switch (getElementType(internalInstance)) {\n case\n ElementTypeClass:\n global.$r = internalInstance._instance;\n break;\n case ElementTypeFunction:\n const element = internalInstance._currentElement;\n if (element == null) {\n console.warn(`Could not\n            find element with id \"${id}\"`);\n return;\n }\n\n global.$r = {\n props: element.props,\n type: element.type,\n };\n break;\n default:\n global.$r = null;\n break;\n }\n }\n\n function\n storeAsGlobal(\n id: number,\n path: Array<string | number>,\n count: number,\n): void {\n const inspectedElement =\n inspectElementRaw(id);\n if (inspectedElement !== null) {\n const value = getInObject(inspectedElement,\n path);\n const key = `$_reactTemp${count}`;\n window[key] = value;\n console.log(key);\n console.log(value);\n }\n\n function copyElementPath(id: number, path: Array<string | number>): void {\n const inspectedElement = inspectElementRaw(id);\n if (inspectedElement !== null) {\n copyToClipboard(getInObject(inspectedElement, path));\n }\n\n function inspectElement(\n requestID:\n number,\n id: number,\n path: Array<string | number> | null,\n forceFullData: boolean,\n):\n InspectedElementPayload {\n if (forceFullData || currentlyInspectedElementID !== id) {\n currentlyInspectedElementID = id;\n currentlyInspectedPaths = {};\n }\n\n const inspectedElement =\n inspectElementRaw(id);\n if\n (inspectedElement === null) {\n return {\n id,\n responseID: requestID,\n type: 'not-found',\n };\n }\n\n if (path !== null) {\n mergeInspectedPaths(path);\n }\n\n // Any time an inspected element has\n an update,\n // we should update the selected $r value as wel.\n // Do this before dehydration (cleanForBridge).\n updateSelectedElement(id);\n inspectedElement.context = cleanForBridge(\n inspectedElement.context,\n createIsPathAllowed('context'),\n);\n inspectedElement.props = cleanForBridge(\n inspectedElement.props,\n createIsPathAllowed('props'),\n);\n inspectedElement.state = cleanForBridge(\n inspectedElement.state,\n createIsPathAllowed('state'),\n);\n return {\n id,\n responseID:\n requestID,\n type: 'full-data',\n value: inspectedElement,\n };\n }\n\n function inspectElementRaw(id:\n number): InspectedElement | null {\n const internalInstance\n = idToInternalInstanceMap.get(id);\n if (internalInstance == null) {\n return null;\n }\n\n const\n {displayName, key} = getData(internalInstance);\n const type = getElementType(internalInstance);\n\n let\n context = null;\n let owners = null;\n let props = null;\n let state = null;\n let source = null;\n\n const\n element = internalInstance._currentElement;\n if (element !== null) {\n props = element.props;\n source =\n element._source != null ? element._source : null;\n\n let owner = element._owner;\n if (owner) {\n owners = [];\n while (owner != null) {\n owners.push({\n displayName:\n getData(owner).displayName || 'Unknown',\n id: getID(owner),\n key: element.key,\n type:\n getElementType(owner),\n });\n if (owner._currentElement) {\n owner =\n owner._currentElement._owner;\n }\n }\n }\n\n const publicInstance\n = internalInstance._instance;\n if (publicInstance != null) {\n context = publicInstance.context || null;\n state\n = publicInstance.state || null;\n }\n\n // Not implemented\n const errors = [];\n const warnings = [];\n\n return {\n id,\n // Does the current renderer support editable hooks and function props?\n canEditHooks:\n false,\n canEditFunctionProps: false,\n // Does the current renderer support advanced editing interface?\n canEditHooksAndDeletePaths: false,\n canEditHooksAndRenamePaths: false,\n canEditFunctionPropsDeletePaths: false,\n canEditFunctionPropsRenamePaths: false,\n // Toggle error\n boundary did not exist in legacy versions\n canToggleError: false,\n isErrored: false,\n targetErrorBoundaryID: null,\n // Suspense did not exist in legacy versions\n canToggleSuspense: false,\n // Can view component source location.\n canViewSource: type === ElementTypeClass

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 || type === ElementTypeFunction,\n\n // Only legacy context exists in legacy versions.\n hasLegacyContext:
true,\n\n displayName: displayName,\n\n type: type,\n\n key: key !== null ? key : null,\n\n // Inspectable
properties.\n context,\n hooks: null,\n props,\n state,\n errors,\n warnings,\n\n // List of
owners\n owners,\n\n // Location of component in source code.\n source,\n\n rootType: null,\n
rendererPackageName: null,\n rendererVersion: null,\n\n plugins: {\n stylex: null,\n },\n };\n }\n\n
function logElementToConsole(id: number): void {\n const result = inspectElementRaw(id);\n if (result ===
null) {\n console.warn(`Could not find element with id \"${id}\"`);\n return;\n }\n\n const supportsGroup
= typeof console.groupCollapsed === 'function';\n if (supportsGroup) {\n console.groupCollapsed(`
[Click to expand] %c<${result.displayName
|| 'Component'} />`,\n // --dom-tag-name-color is the CSS variable Chrome styles HTML elements with in the
console.\n 'color: var(--dom-tag-name-color); font-weight: normal;');\n }\n if (result.props !== null)
{\n console.log('Props:', result.props);\n }\n if (result.state !== null) {\n console.log('State:',
result.state);\n }\n if (result.context !== null) {\n console.log('Context:', result.context);\n }\n const nativeNode =
findNativeNodeForInternalID(id);\n if (nativeNode !== null) {\n console.log('Node:', nativeNode);\n }\n if
(window.chrome || /firefox/i.test(navigator.userAgent)) {\n console.log(`\n 'Right-click any value to save it as
a global variable for further inspection.'\n);\n }\n if (supportsGroup) {\n console.groupEnd();\n }\n
}\n\n function prepareViewAttributeSource(\n id: number,\n path: Array<string | number>,\n): void {\n const
inspectedElement
= inspectElementRaw(id);\n if (inspectedElement !== null) {\n window.$attribute =
getInObject(inspectedElement, path);\n }\n\n function prepareViewElementSource(id: number): void {\n
const internalInstance = idToInternalInstanceMap.get(id);\n if (internalInstance === null) {\n
console.warn(`Could not find instance with id \"${id}\"`);\n return;\n }\n\n const element =
internalInstance._currentElement;\n if (element === null) {\n console.warn(`Could not find element with id
\"${id}\"`);\n return;\n }\n\n global.$type = element.type;\n }\n\n function deletePath(\n type: 'context' |
'hooks' | 'props' | 'state',\n id: number,\n hookID: ?number,\n path: Array<string | number>,\n): void {\n
const internalInstance = idToInternalInstanceMap.get(id);\n if (internalInstance !== null) {\n const
publicInstance = internalInstance._instance;\n if (publicInstance !== null) {\n switch (type) {\n
case 'context':\n deletePathInObject(publicInstance.context, path);\n
forceUpdate(publicInstance);\n break;\n case 'hooks':\n throw new Error('Hooks not supported by
this renderer');\n case 'props':\n const element = internalInstance._currentElement;\n
internalInstance._currentElement = {\n ...element,\n props: copyWithDelete(element.props, path),\n
 };\n forceUpdate(publicInstance);\n break;\n case 'state':\n
deletePathInObject(publicInstance.state, path);\n forceUpdate(publicInstance);\n break;\n }\n
}\n }\n }\n\n function renamePath(\n type: 'context' | 'hooks' | 'props' | 'state',\n id: number,\n hookID:
?number,\n oldPath: Array<string | number>,\n newPath: Array<string | number>,\n): void {\n const
internalInstance = idToInternalInstanceMap.get(id);\n if (internalInstance !== null) {\n const publicInstance =
internalInstance._instance;\n if (publicInstance !==
null) {\n switch (type) {\n case 'context':\n renamePathInObject(publicInstance.context, oldPath,
newPath);\n forceUpdate(publicInstance);\n break;\n case 'hooks':\n throw new
Error('Hooks not supported by this renderer');\n case 'props':\n const element =
internalInstance._currentElement;\n internalInstance._currentElement = {\n ...element,\n
 props: copyWithRename(element.props, oldPath, newPath),\n };\n forceUpdate(publicInstance);\n
 break;\n case 'state':\n renamePathInObject(publicInstance.state, oldPath, newPath);\n
forceUpdate(publicInstance);\n break;\n }\n }\n }\n }\n\n function overrideValueAtPath(\n type:
'context' | 'hooks' | 'props' | 'state',\n id: number,\n hookID: ?number,\n path: Array<string | number>,\n value: any,\n): void {\n const
internalInstance = idToInternalInstanceMap.get(id);\n if (internalInstance !== null) {\n const publicInstance =
internalInstance._instance;\n if (publicInstance !== null) {\n switch (type) {\n case 'context':\n

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setInObject(publicInstance.context, path, value);\n forceUpdate(publicInstance);\n break;\n case
'hooks':\n throw new Error('Hooks not supported by this renderer');\n case 'props':\n const
element = internalInstance._currentElement;\n internalInstance._currentElement = {\n ...element,\n
 props: copyWithSet(element.props, path, value),\n };\n forceUpdate(publicInstance);\n
break;\n case 'state':\n setInObject(publicInstance.state, path, value);\n
forceUpdate(publicInstance);\n
 break;\n }\n }\n }\n }\n\n // v16+ only features\n const getProfilingData = () => {\n throw new
Error('getProfilingData not supported by this renderer');\n }; \n const handleCommitFiberRoot = () => {\n throw
new Error('handleCommitFiberRoot not supported by this renderer');\n }; \n const handleCommitFiberUnmount =
() => {\n throw new Error('handleCommitFiberUnmount not supported by this renderer');\n }; \n const
handlePostCommitFiberRoot = () => {\n throw new Error('handlePostCommitFiberRoot not supported by this
renderer');\n }; \n const overrideError = () => {\n throw new Error('overrideError not supported by this
renderer');\n }; \n const overrideSuspense = () => {\n throw new Error('overrideSuspense not supported by this
renderer');\n }; \n const startProfiling = () => {\n // Do not throw, since this would break a multi-root scenario
where v15 and v16 were both present.\n }; \n const stopProfiling = () => {\n
 // Do not throw, since this would break a multi-root scenario where v15 and v16 were both present.\n }; \n\n
function getBestMatchForTrackedPath(): PathMatch | null {\n // Not implemented.\n return null;\n }\n\n
function getPathForElement(id: number): Array<PathFrame> | null {\n // Not implemented.\n return null;\n
}\n\n function updateComponentFilters(componentFilters: Array<ComponentFilter>) {\n // Not implemented.\n
}\n\n function setTraceUpdatesEnabled(enabled: boolean) {\n // Not implemented.\n }\n\n function
setTrackedPath(path: Array<PathFrame> | null) {\n // Not implemented.\n }\n\n function getOwnersList(id:
number): Array<SerializedElement> | null {\n // Not implemented.\n return null;\n }\n\n function
clearErrorsAndWarnings() {\n // Not implemented.\n }\n\n function clearErrorsForFiberID(id: number) {\n //
Not implemented.\n }\n\n function clearWarningsForFiberID(id: number) {\n // Not implemented.\n }\n\n
function patchConsoleForStrictMode()
{\n\n function unpatchConsoleForStrictMode() {\n\n return {\n clearErrorsAndWarnings,\n
clearErrorsForFiberID,\n clearWarningsForFiberID,\n cleanup,\n copyElementPath,\n deletePath,\n
flushInitialOperations,\n getBestMatchForTrackedPath,\n getDisplayNameForFiberID,\n
getFiberIDForNative: getInternalIDForNative,\n getInstanceAndStyle,\n findNativeNodesForFiberID: (id:
number) => {\n const nativeNode = findNativeNodeForInternalID(id);\n return nativeNode == null ? null :
[nativeNode];\n },\n getOwnersList,\n getPathForElement,\n getProfilingData,\n
handleCommitFiberRoot,\n handleCommitFiberUnmount,\n handlePostCommitFiberRoot,\n
inspectElement,\n logElementToConsole,\n overrideError,\n overrideSuspense,\n overrideValueAtPath,\n
renamePath,\n patchConsoleForStrictMode,\n prepareViewAttributeSource,\n prepareViewElementSource,\n
renderer,\n setTraceUpdatesEnabled,\n
 setTrackedPath,\n startProfiling,\n stopProfiling,\n storeAsGlobal,\n unpatchConsoleForStrictMode,\n
updateComponentFilters,\n };\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n *\n * This source
code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n
* @flow\n *\n\nimport Agent from './agent';\n\nimport {attach} from './renderer';\nimport {attach as attachLegacy}
from './legacy/renderer';\n\nimport type {DevToolsHook, ReactRenderer, RendererInterface} from
'./types';\n\nexport function initBackend(\n hook: DevToolsHook,\n agent: Agent,\n global: Object,\n): () => void
{\n if (hook == null) {\n // DevTools didn't get injected into this page (maybe b'c of the contentType).\n return
() => {};\n }\n const subs = [\n hook.sub(\n 'renderer-attached',\n ({\n id,\n renderer,\n
rendererInterface,\n }): {\n id: number,\n renderer: ReactRenderer,\n
 rendererInterface: RendererInterface,\n ...\n }) => {\n agent.setRendererInterface(id,
rendererInterface);\n },\n // Now that the Store and the renderer interface are connected,\n // it's time to flush
the pending operation codes to the frontend.\n rendererInterface.flushInitialOperations();\n },\n),\n),\n hook.sub('unsupported-renderer-version', (id: number) => {\n agent.onUnsupportedRenderer(id);\n })),\n)\n

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hook.sub('fastRefreshScheduled', agent.onFastRefreshScheduled),\n hook.sub('operations',
agent.onHookOperations),\n hook.sub('traceUpdates', agent.onTraceUpdates),\n\n // TODO Add additional
subscriptions required for profiling mode\n];\n\n const attachRenderer = (id: number, renderer: ReactRenderer) =>
{\n let rendererInterface = hook.rendererInterfaces.get(id);\n\n // Inject any not-yet-injected renderers (if we
didn't reload-and-profile)\n if (rendererInterface == null) {\n if
(typeof renderer.findFiberByHostInstance === 'function') {\n // react-reconciler v16+\n rendererInterface =
attach(hook, id, renderer, global);\n } else if (renderer.ComponentTree) {\n // react-dom v15\n
rendererInterface = attachLegacy(hook, id, renderer, global);\n } else {\n // Older react-dom or other
unsupported renderer version\n }\n\n if (rendererInterface != null) {\n hook.rendererInterfaces.set(id,
rendererInterface);\n }\n }\n\n // Notify the DevTools frontend about new renderers.\n // This includes any
that were attached early (via __REACT_DEVTOOLS_ATTACH__).\n if (rendererInterface != null) {\n hook.emit('renderer-attached', {\n id,\n renderer,\n rendererInterface,\n });\n } else {\n hook.emit('unsupported-renderer-version', id);\n }\n\n // Connect renderers that have already injected
themselves.\n hook.renderers.forEach((renderer, id) => {\n attachRenderer(id, renderer);\n });\n\n // Connect any new renderers that injected themselves.\n subs.push(\n hook.sub(\n 'renderer',\n ({id, renderer}: {id: number, renderer: ReactRenderer, ...}) => {\n attachRenderer(id, renderer);\n },\n),\n);\n\n hook.emit('react-devtools', agent);\n hook.reactDevtoolsAgent
= agent;\n const onAgentShutdown = () => {\n subs.forEach(fn => fn());\n }\n\n hook.rendererInterfaces.forEach(rendererInterface => {\n rendererInterface.cleanup();\n });\n\n hook.reactDevtoolsAgent = null;\n });\n agent.addListener('shutdown', onAgentShutdown);\n subs.push(() => {\n agent.removeListener('shutdown', onAgentShutdown);\n });\n\n return () => {\n subs.forEach(fn => fn());\n };\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT
license found in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nimport type
{BoxStyle}

from './types';\n\n/**\n * This mirrors react-native/Libraries/Inspector/resolveBoxStyle.js (but without RTL
support).\n * Resolve a style property into it's component parts, e.g.\n * resolveBoxStyle('margin', {margin:
5, marginBottom: 10})\n * -> {top: 5, left: 5, right: 5, bottom: 10}\n */\n\nexport default function resolveBoxStyle(\n prefix: string,\n style: Object,\n): BoxStyle | null {\n let hasParts = false;\n const result = {\n bottom: 0,\n left:
0,\n right: 0,\n top: 0,\n };\n\n const styleForAll = style[prefix];\n if (styleForAll != null) {\n // eslint-disable-
next-line no-for-of-loops/no-for-of-loops\n for (const key of Object.keys(result)) {\n result[key] =
styleForAll;\n }\n\n hasParts = true;\n }\n\n const styleForHorizontal = style[prefix + 'Horizontal'];\n if
(styleForHorizontal != null) {\n result.left = styleForHorizontal;\n result.right = styleForHorizontal;\n hasParts
= true;\n } else {\n const styleForLeft
= style[prefix + 'Left'];\n if (styleForLeft != null) {\n result.left = styleForLeft;\n hasParts = true;\n }\n\n const styleForRight = style[prefix + 'Right'];\n if (styleForRight != null) {\n result.right = styleForRight;\n hasParts
= true;\n }\n\n const styleForEnd = style[prefix + 'End'];\n if (styleForEnd != null) {\n // TODO
RTL support\n result.right = styleForEnd;\n hasParts = true;\n }\n\n const styleForStart = style[prefix +
'Start'];\n if (styleForStart != null) {\n // TODO RTL support\n result.left = styleForStart;\n hasParts
= true;\n }\n }\n\n const styleForVertical = style[prefix + 'Vertical'];\n if (styleForVertical != null) {\n result.bottom = styleForVertical;\n result.top = styleForVertical;\n hasParts = true;\n } else {\n const
styleForBottom = style[prefix + 'Bottom'];\n if (styleForBottom != null) {\n result.bottom = styleForBottom;\n hasParts = true;\n }\n\n const styleForTop = style[prefix + 'Top'];\n if (styleForTop != null) {\n result.top = styleForTop;\n hasParts = true;\n }\n }\n\n return hasParts ? result : null;\n}\n\n"/**\n * Copyright (c) Facebook, Inc. and its
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n */\n * @flow\n */\n\nimport Agent from 'react-devtools-
shared/src/backend/agent';\nimport resolveBoxStyle from './resolveBoxStyle';\nimport isArray from 'react-devtools-
shared/src/isArray';\nimport type {BackendBridge} from 'react-devtools-shared/src/bridge';\nimport type

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{RendererID} from './types';\nimport type {StyleAndLayout} from './types';\n\nexport type ResolveNativeStyle =
(stylesheetID: any) => ?Object;\n\nexport default function setupNativeStyleEditor(\n bridge: BackendBridge,\n agent: Agent,\n resolveNativeStyle: ResolveNativeStyle,\n validAttributes?: $ReadOnlyArray<string> | null,\n {\n bridge.addListener(\n 'NativeStyleEditor_measure',\n ({id, rendererID}: {id: number, rendererID:
RendererID}) => {\n measureStyle(agent, bridge, resolveNativeStyle, id, rendererID);\n },\n },\n {\n bridge.addListener(\n 'NativeStyleEditor_renameAttribute',\n ({\n id,\n rendererID,\n oldName,\n newName,\n value,\n }: {\n id: number,\n rendererID: RendererID,\n oldName: string,\n newName: string,\n value: string,\n }) => {\n renameStyle(agent, id, rendererID, oldName, newName,\n value);\n setTimeout(() =>{\n measureStyle(agent, bridge, resolveNativeStyle, id, rendererID),\n },\n },\n);\n\n bridge.addListener(\n 'NativeStyleEditor_setValue',\n ({\n id,\n rendererID,\n name,\n value,\n }: {\n id: number,\n rendererID: number,\n name: string,\n value: string,\n }) => {\n setStyle(agent, id, rendererID, name, value);\n\n setTimeout(() =>{\n measureStyle(agent, bridge, resolveNativeStyle, id, rendererID),\n },\n },\n);\n\n bridge.send('isNativeStyleEditorSupported', {\n isSupported: true,\n validAttributes,\n });\n\n const
EMPTY_BOX_STYLE = {\n top: 0,\n left: 0,\n right: 0,\n bottom: 0,\n };)\n\n const
componentIDToStyleOverrides: Map<number, Object> = new Map();\n\n function measureStyle(\n agent: Agent,\n bridge: BackendBridge,\n resolveNativeStyle: ResolveNativeStyle,\n id: number,\n rendererID: RendererID,\n) {\n const data = agent.getInstanceAndStyle({id, rendererID});\n if (!data || !data.style) {\n bridge.send(\n 'NativeStyleEditor_styleAndLayout',\n ({\n id,\n layout: null,\n style: null,\n }:
StyleAndLayout),\n);\n return;\n }\n\n const {instance, style} = data;\n\n let resolvedStyle =
resolveNativeStyle(style);\n\n // If it's a host component we edited before, amend styles.\n const styleOverrides =
componentIDToStyleOverrides.get(id);\n\n if (styleOverrides != null) {\n resolvedStyle = Object.assign({}, resolvedStyle, styleOverrides);\n }\n\n if
(!instance || typeof instance.measure !== 'function') {\n bridge.send(\n 'NativeStyleEditor_styleAndLayout',\n ({\n id,\n layout: null,\n style: resolvedStyle || null,\n }: StyleAndLayout),\n);\n return;\n }\n\n // $FlowFixMe the parameter types of an unknown function are unknown\n instance.measure((x, y, width, height,
left, top) => {\n // RN Android sometimes returns undefined here. Don't send measurements in this case.\n //
https://github.com/jhen0409/react-native-debugger/issues/84#issuecomment-304611817\n if (typeof x !==
'number') {\n bridge.send(\n 'NativeStyleEditor_styleAndLayout',\n ({\n id,\n layout: null,\n style: resolvedStyle || null,\n }: StyleAndLayout),\n);\n return;\n }\n const margin =\n (resolvedStyle\n != null && resolveBoxStyle('margin', resolvedStyle)) ||\n EMPTY_BOX_STYLE;\n const padding =\n (resolvedStyle != null && resolveBoxStyle('padding', resolvedStyle)) ||\n EMPTY_BOX_STYLE;\n bridge.send(\n 'NativeStyleEditor_styleAndLayout',\n ({\n id,\n layout: {\n x,\n y,\n width,\n height,\n left,\n top,\n margin,\n padding,\n },\n style: resolvedStyle ||
null,\n }: StyleAndLayout),\n);\n });\n\n function shallowClone(object: Object): Object {\n const cloned =
{};\n for (const n in object) {\n cloned[n] = object[n];\n }\n return cloned;\n }\n\n function renameStyle(\n agent:
Agent,\n id: number,\n rendererID: RendererID,\n oldName: string,\n newName: string,\n value: string,\n): void {\n const data = agent.getInstanceAndStyle({id, rendererID});\n if (!data || !data.style) {\n return;\n }\n const
{instance, style} = data;\n\n const newStyle = newName\n ? {[oldName]: undefined, [newName]: value}\n : {[oldName]: undefined};\n\n let customStyle;\n\n // TODO It would be nice if the renderer interface abstracted this away somehow.\n if
(instance != null && typeof instance.setNativeProps === 'function') {\n // In the case of a host component, we
need to use setNativeProps().\n // Remember to "correct" resolved styles when we read them next time.\n const
styleOverrides = componentIDToStyleOverrides.get(id);\n if (!styleOverrides) {\n componentIDToStyleOverrides.set(id, newStyle);\n } else {\n Object.assign(styleOverrides, newStyle);\n }\n // TODO Fabric does not support setNativeProps; chat with Sebastian or Eli\n instance.setNativeProps({style:
newStyle});\n } else if (isArray(style)) {\n const lastIndex = style.length - 1;\n if (typeof style[lastIndex] ===

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'object' && !isArray(style[lastIndex])) {\n customStyle = shallowClone(style[lastIndex]);\n delete customStyle[oldName];\n if (newName) {\n customStyle[newName] = value;\n } else {\n customStyle[oldName] = undefined;\n }\n agent.overrideValueAtPath({\n type: 'props',\n id,\n rendererID,\n path: ['style', lastIndex],\n value: customStyle,\n });\n} else {\n agent.overrideValueAtPath({\n type: 'props',\n id,\n rendererID,\n path: ['style'],\n value: style.concat([newStyle]),\n });\n}\n} else if (typeof style === 'object') {\n customStyle = shallowClone(style);\n delete customStyle[oldName];\n if (newName) {\n customStyle[newName] = value;\n } else {\n customStyle[oldName] = undefined;\n }\n agent.overrideValueAtPath({\n type: 'props',\n id,\n rendererID,\n path: ['style'],\n value: customStyle,\n });\n} else {\n agent.overrideValueAtPath({\n type: 'props',\n id,\n rendererID,\n path: ['style'],\n value: [style, newStyle],\n });\n}\n}\n}\nagent.emit('hideNativeHighlight');\n}\n}\n\nfunction setStyle(\n agent: Agent,\n id: number,\n rendererID: RendererID,\n name: string,\n value: string,\n) {\n const data = agent.getInstanceAndStyle({id, rendererID});\n if (!data || !data.style) {\n return;\n }\n const {instance, style} = data;\n const newStyle = {[name]: value};\n // TODO It would be nice if the renderer interface abstracted this away somehow.\n if (instance !== null && typeof instance.setNativeProps === 'function') {\n // In the case of a host component, we need to use setNativeProps().\n // Remember to \"correct\" resolved styles when we read them next time.\n const styleOverrides = componentIDToStyleOverrides.get(id);\n if (!styleOverrides) {\n componentIDToStyleOverrides.set(id, newStyle);\n } else {\n Object.assign(styleOverrides, newStyle);\n }\n // TODO Fabric does not support setNativeProps;\n chat with Sebastian or Eli\n instance.setNativeProps({style: newStyle});\n } else if (isArray(style)) {\n const lastLength = style.length - 1;\n if (typeof style[lastLength] === 'object' && !isArray(style[lastLength])) {\n agent.overrideValueAtPath({\n type: 'props',\n id,\n rendererID,\n path: ['style', lastLength, name],\n value,\n });\n } else {\n agent.overrideValueAtPath({\n type: 'props',\n id,\n rendererID,\n path: ['style'],\n value: style.concat([newStyle]),\n });\n }\n } else {\n agent.overrideValueAtPath({\n type: 'props',\n id,\n rendererID,\n path: ['style'],\n value: [style, newStyle],\n });\n }\n agent.emit('hideNativeHighlight');\n}\n\n\"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\n * @flow\n */\n\nimport Agent from 'react-devtools-shared/src/backend/agent';\nimport Bridge from 'react-devtools-shared/src/bridge';\nimport {installHook} from 'react-devtools-shared/src/hook';\nimport {initBackend} from 'react-devtools-shared/src/backend';\nimport {__DEBUG__} from 'react-devtools-shared/src/constants';\nimport setupNativeStyleEditor from 'react-devtools-shared/src/backend/NativeStyleEditor/setupNativeStyleEditor';\nimport {getDefaultComponentFilters} from 'react-devtools-shared/src/utils';\nimport type {BackendBridge} from 'react-devtools-shared/src/bridge';\nimport type {ComponentFilter} from 'react-devtools-shared/src/types';\nimport type {DevToolsHook} from 'react-devtools-shared/src/backend/types';\nimport type {ResolveNativeStyle} from 'react-devtools-shared/src/backend/NativeStyleEditor/setupNativeStyleEditor';\n\ntype ConnectOptions = {\n host?: string,\n nativeStyleEditorValidAttributes?: $ReadOnlyArray<string>,\n port?: number,\n useHttps?: boolean,\n resolveRNStyle?: ResolveNativeStyle,\n retryConnectionDelay?: number,\n isAppActive?: () => boolean,\n websocket?: ?WebSocket,\n ...;\n};\n\ninstallHook(window);\n\nconst hook: ?DevToolsHook = window.__REACT_DEVTOOLS_GLOBAL_HOOK__;\n\nlet savedComponentFilters: Array<ComponentFilter> = getDefaultComponentFilters();\n\nfunction debug(methodName: string, ...args) {\n if (__DEBUG__) {\n console.log(\n `%c[core/backend] %c${methodName}`,\n 'color: teal; font-weight: bold;',\n 'font-weight: bold;',\n ...args,\n);\n }\n}\n\nexport function connectToDevTools(options: ?ConnectOptions) {\n if (hook == null) {\n // DevTools didn't get injected into this page (maybe b'c of the contentType).\n return;\n }\n const {\n host = 'localhost',\n nativeStyleEditorValidAttributes,\n useHttps = false,\n port = 8097,\n websocket,\n resolveRNStyle = null,\n retryConnectionDelay = 2000,\n isAppActive = () => true,\n } = options || {};\n}

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const protocol = useHttps ? 'wss' : 'ws';\n let retryTimeoutID: TimeoutID | null = null;\n\n function
scheduleRetry() {\n if (retryTimeoutID === null) {\n // Two seconds because RN had issues with quick
retries.\n retryTimeoutID = setTimeout(\n () => connectToDevTools(options),\n
retryConnectionDelay,\n);\n }\n }\n\n if (!isAppActive()) {\n // If the app is in background, maybe retry
later.\n // Don't actually attempt to connect until we're in foreground.\n scheduleRetry();\n return;\n }\n\n let
bridge: BackendBridge | null = null;\n\n const messageListeners = [];\n const uri = protocol + '://' + host + ':' +
port;\n\n // If existing websocket is passed, use it.\n // This is necessary to support our custom integrations.\n // See
D6251744.\n const ws = websocket ? websocket : new window.WebSocket(uri);\n ws.onclose = handleClose;\n
ws.onerror = handleFailed;\n ws.onmessage = handleMessage;\n ws.onopen = function() {\n
bridge = new Bridge({\n listen(fn) {\n messageListeners.push(fn);\n return () => {\n const index
= messageListeners.indexOf(fn);\n if (index >= 0) {\n messageListeners.splice(index, 1);\n }\n
};\n },\n send(event: string, payload: any, transferable?: Array<any>) {\n if (ws.readyState ===
ws.OPEN) {\n if (__DEBUG__) {\n debug('wall.send()', event, payload);\n }\n\n
ws.send(JSON.stringify({event, payload}));\n } else {\n if (__DEBUG__) {\n debug(\n
'wall.send()',\n 'Shutting down bridge because of closed WebSocket connection',\n);\n }\n }\n\n
if (bridge !== null) {\n bridge.shutdown();\n }\n\n scheduleRetry();\n }\n },\n });\n
bridge.addListener(\n 'inspectElement',\n ({id, rendererID}: {id: number, rendererID: number, ...}) => {\n
const renderer = agent.rendererInterfaces[rendererID];\n if (renderer !== null) {\n // Send event for RN to
highlight.\n const nodes: ?Array<HTMLElement> = renderer.findNativeNodesForFiberID(\n id,\n
);\n if (nodes !== null && nodes[0] !== null) {\n agent.emit('showNativeHighlight', nodes[0]);\n }\n
}\n },\n);\n bridge.addListener(\n 'updateComponentFilters',\n (componentFilters:
Array<ComponentFilter>) => {\n // Save filter changes in memory, in case DevTools is reloaded.\n // In
that case, the renderer will already be using the updated values.\n // We'll lose these in between backend reloads
but that can't be helped.\n savedComponentFilters = componentFilters;\n },\n);\n\n // The renderer
interface doesn't read saved component filters directly,\n // because they are generally stored in localStorage
within the context of the extension.\n\n // Because of this it relies on the extension to pass filters.\n // In the case of the standalone DevTools being used
with a website,\n // saved filters are injected along with the backend script tag so we shouldn't override them
here.\n // This injection strategy doesn't work for React Native though.\n // Ideally the backend would save the
filters itself, but RN doesn't provide a sync storage solution.\n // So for now we just fall back to using the default
filters...\n if (window.__REACT_DEVTOOLS_COMPONENT_FILTERS__ === null) {\n
bridge.send('overrideComponentFilters', savedComponentFilters);\n }\n\n // TODO (npm-packages) Warn if
'isBackendStorageAPISupported'\n const agent = new Agent(bridge);\n agent.addListener('shutdown', () =>
{\n // If we received 'shutdown' from `agent`, we assume the `bridge` is already shutting down,\n // and that
caused the 'shutdown' event on the `agent`, so we don't need to call `bridge.shutdown()` here.\n
hook.emit('shutdown');\n });\n\n initBackend(hook, agent, window);\n\n // Setup React Native style editor if
the environment supports it.\n if (resolveRNStyle !== null || hook.resolveRNStyle !== null) {\n
setupNativeStyleEditor(\n bridge,\n agent,\n ((resolveRNStyle || hook.resolveRNStyle: any):
ResolveNativeStyle),\n nativeStyleEditorValidAttributes ||\n hook.nativeStyleEditorValidAttributes ||\n
null,\n);\n } else {\n // Otherwise listen to detect if the environment later supports it.\n // For example,
Flipper does not eagerly inject these values.\n // Instead it relies on the React Native Inspector to lazily inject
them.\n let lazyResolveRNStyle;\n let lazyNativeStyleEditorValidAttributes;\n\n const initAfterTick = ()
=> {\n if (bridge !== null) {\n setupNativeStyleEditor(\n bridge,\n agent,\n
lazyResolveRNStyle,\n lazyNativeStyleEditorValidAttributes,\n
);\n }\n }\n\n if (!hook.hasOwnProperty('resolveRNStyle')) {\n Object.defineProperty(\n
hook,\n 'resolveRNStyle',\n ({\n enumerable: false,\n get() {\n return
lazyResolveRNStyle;\n },\n set(value) {\n lazyResolveRNStyle = value;\n
initAfterTick();\n },\n }: Object),\n);\n }\n if

```



```

const generateEventEmitterH = require('./components/GenerateEventEmitterH.js');
const generatePropsCpp = require('./components/GeneratePropsCpp.js');
const generatePropsH = require('./components/GeneratePropsH.js');
const generateModuleH = require('./modules/GenerateModuleH.js');
const generateModuleCpp = require('./modules/GenerateModuleCpp.js');
const
 generateModuleObjCpp = require('./modules/GenerateModuleObjCpp');
const generateModuleJavaSpec = require('./modules/GenerateModuleJavaSpec.js');
const GenerateModuleJniCpp = require('./modules/GenerateModuleJniCpp.js');
const GenerateModuleJniH = require('./modules/GenerateModuleJniH.js');
const generatePropsJavaInterface = require('./components/GeneratePropsJavaInterface.js');
const generatePropsJavaDelegate = require('./components/GeneratePropsJavaDelegate.js');
const generateTests = require('./components/GenerateTests.js');
const generateShadowNodeCpp = require('./components/GenerateShadowNodeCpp.js');
const generateShadowNodeH = require('./components/GenerateShadowNodeH.js');
const generateThirdPartyFabricComponentsProviderObjCpp =
 require('./components/GenerateThirdPartyFabricComponentsProviderObjCpp.js');
const generateThirdPartyFabricComponentsProviderH =
 require('./components/GenerateThirdPartyFabricComponentsProviderH.js');
const generateViewConfigJs
 = require('./components/GenerateViewConfigJs.js');
const path = require('path');
const schemaValidator = require('../SchemaValidator.js');

import type { SchemaType } from '../CodegenSchema';

type LibraryOptions = $ReadOnly<{
 libraryName: string,
 schema: SchemaType,
 outputDirectory: string,
 packageName?: string, // Some platforms have a notion of package, which should be configurable.
 assumeNonnull: boolean,
}>;

type SchemasOptions = $ReadOnly<{
 schemas: {[string]: SchemaType},
 outputDirectory: string,
}>;

type LibraryGenerators =
 | 'componentsAndroid'
 | 'componentsIOS'
 | 'descriptors'
 | 'events'
 | 'props'
 | 'tests'
 | 'shadow-nodes'
 | 'modulesAndroid'

```



```
| 'modulesCxx'
| 'modulesIOS';
```

```
type SchemasGenerators = 'providerIOS';
```

```
type LibraryConfig = $ReadOnly<{
 generators: Array<LibraryGenerators>,
 test?: boolean,
}>;
```

```
type SchemasConfig = $ReadOnly<{
 generators: Array<SchemasGenerators>,
 test?: boolean,
}>;
```

```
const LIBRARY_GENERATORS = {
 descriptors:
 [generateComponentDescriptorH.generate],
 events: [generateEventEmitterCpp.generate, generateEventEmitterH.generate],
 props: [
 generateComponentHObjCpp.generate,
 generatePropsCpp.generate,
 generatePropsH.generate,
 generatePropsJavaInterface.generate,
 generatePropsJavaDelegate.generate,
],
 // TODO: Refactor this to consolidate various C++ output variation instead of forking per platform.
 componentsAndroid: [
 // JNI/C++ files
 generateComponentDescriptorH.generate,
 generateEventEmitterCpp.generate,
 generateEventEmitterH.generate,
 generatePropsCpp.generate,
 generatePropsH.generate,
 generateShadowNodeCpp.generate,
 generateShadowNodeH.generate,
 // Java files
 generatePropsJavaInterface.generate,
 generatePropsJavaDelegate.generate,
],
 componentsIOS: [
 generateComponentDescriptorH.generate,
 generateEventEmitterCpp.generate,
 generateEventEmitterH.generate,
 generateComponentHObjCpp.generate,
 generatePropsCpp.generate,
 generatePropsH.generate,
 generateShadowNodeCpp.generate,
```

```

 generateShadowNodeH.generate,
],
 modulesAndroid: [
 GenerateModuleJniCpp.generate,
 GenerateModuleJniH.generate,
 generateModuleJavaSpec.generate,
],
 modulesCxx: [generateModuleCpp.generate, generateModuleH.generate],
 modulesIOS: [generateModuleObjCpp.generate],
 tests: [generateTests.generate],
 'shadow-nodes': [
 generateShadowNodeCpp.generate,
 generateShadowNodeH.generate,
],
};

```

```

const SCHEMAS_GENERATORS = {
 providerIOS: [
 generateThirdPartyFabricComponentsProviderObjCpp.generate,
 generateThirdPartyFabricComponentsProviderH.generate,
],
};

```

```

type CodeGenFile = {
 name: string,
 content: string,
 outputDir: string,
};

```

```

function writeMapToFiles(map: Array<CodeGenFile>) {
 let success = true;
 map.forEach(file => {
 try {
 const location = path.join(file.outputDir, file.name);
 const dirName = path.dirname(location);
 if (!fs.existsSync(dirName))
 {
 fs.mkdirSync(dirName, {recursive: true});
 }
 fs.writeFileSync(location, file.content);
 } catch (error) {
 success = false;
 console.error(`Failed to write ${file.name} to ${file.outputDir}`, error);
 }
 });
}

return success;
}

```

```

function checkFilesForChanges(generated: Array<CodeGenFile>): boolean {
 let hasChanged = false;

 generated.forEach(file => {
 const location = path.join(file.outputDir, file.name);
 const currentContents = fs.readFileSync(location, 'utf8');
 if (currentContents !== file.content) {
 console.error(` - ${file.name} has changed`);

 hasChanged = true;
 }
 });

 return !hasChanged;
}

function checkOrWriteFiles(
 generatedFiles: Array<CodeGenFile>,
 test: void | boolean,
): boolean {
 if (test === true) {
 return checkFilesForChanges(generatedFiles);
 }
 return writeMapToFiles(generatedFiles);
}

module.exports = {
 generate(
 {
 libraryName,
 schema,
 outputDirectory,
 packageName,
 assumeNonnull,
 }: LibraryOptions,
 {generators, test}: LibraryConfig,
): boolean {
 schemaValidator.validate(schema);

 function composePath(intermediate: string) {
 return path.join(outputDirectory, intermediate, libraryName);
 }

 const componentIOSOutput = composePath('react/renderer/components/');
 const modulesIOSOutput = composePath('./');

 const outputFoldersForGenerators = {

```

```

componentsIOS: componentIOSOutput,
modulesIOS: modulesIOSOutput,
descriptors: outputDirectory,
events: outputDirectory,
props: outputDirectory,
componentsAndroid: outputDirectory,
modulesAndroid: outputDirectory,
modulesCxx: outputDirectory,
tests: outputDirectory,
'shadow-nodes': outputDirectory,
};

const generatedFiles: Array<CodeGenFile> = [];

for (const name of generators) {
 for (const generator of LIBRARY_GENERATORS[name]) {
 generator(libraryName,
schema, packageName, assumeNonnull).forEach(
 (contents: string, fileName: string) => {
 generatedFiles.push({
 name: fileName,
 content: contents,
 outputDir: outputFoldersForGenerators[name],
 });
 },
);
}
}
return checkOrWriteFiles(generatedFiles, test);
},
generateFromSchemas(
 {schemas, outputDirectory}: SchemasOptions,
 {generators, test}: SchemasConfig,
): boolean {
 Object.keys(schemas).forEach(libraryName =>
 schemaValidator.validate(schemas[libraryName]),
);
}

const generatedFiles: Array<CodeGenFile> = [];

for (const name of generators) {
 for (const generator of SCHEMAS_GENERATORS[name]) {
 generator(schemas).forEach((contents: string, fileName: string) => {
 generatedFiles.push({
 name: fileName,
 content: contents,
 outputDir: outputDirectory,
 });
 });
 }
}

```

```

 });
 }
}
return
checkOrWriteFiles(generatedFiles, test);
},
generateViewConfig({libraryName, schema}: LibraryOptions): string {
 schemaValidator.validate(schema);

 const result = generateViewConfigJs
 .generate(libraryName, schema)
 .values()
 .next();

 if (typeof result.value !== 'string') {
 throw new Error(`Failed to generate view config for ${libraryName}`);
 }

 return result.value;
},
};

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/RNCodegen.js.flow

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\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/consistency/compareSnaps.js

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\* /react-native-codegen-0-70-6-tgz/package/lib/cli/combine/combine-js-to-schema-cli.js

\* /react-native-codegen-0-70-6-tgz/package/lib/cli/parser/parser-cli.js

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\* @flow strict

\* @format

\*/

'use strict';

```
function capitalize(string: string): string {
 return string.charAt(0).toUpperCase() + string.slice(1);
}
```

```
function indent(nice: string, spaces: number): string {
 return nice
 .split('\n')
 .map((line, index) => {
 if (line.length === 0 || index === 0) {
 return line;
 }
 const emptySpaces = new Array(spaces + 1).join(' ');
 return emptySpaces + line;
 })
 .join('\n');
}
```

```
module.exports = {
 capitalize,
 indent,
};
```

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\* /react-native-codegen-0-70-6-tgz/package/lib/generators/Utils.js.flow

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*
* @flow strict
* @format
*/

'use strict';

export type PlatformType = 'iOS' | 'android';

export type SchemaType = $ReadOnly<{
 modules: $ReadOnly<{
 [hasteModuleName: string]: ComponentSchema | NativeModuleSchema,
 }>,
}>;

/**
 * Component Type Annotations
 */
export type DoubleTypeAnnotation = $ReadOnly<{
 type: 'DoubleTypeAnnotation',
}>;

export type FloatTypeAnnotation = $ReadOnly<{
 type: 'FloatTypeAnnotation',
}>;

export type BooleanTypeAnnotation = $ReadOnly<{
 type: 'BooleanTypeAnnotation',
}>;

export type Int32TypeAnnotation = $ReadOnly<{
 type: 'Int32TypeAnnotation',
}>;

export type StringTypeAnnotation = $ReadOnly<{
 type: 'StringTypeAnnotation',
}>;

export type StringEnumTypeAnnotation = $ReadOnly<{
 type: 'StringEnumTypeAnnotation',
 options: $ReadOnlyArray<string>,
}>;

export type VoidTypeAnnotation = $ReadOnly<{
 type: 'VoidTypeAnnotation',

```

```

}>;

export type ObjectTypeAnnotation<+T> = $ReadOnly<{
 type: 'ObjectTypeAnnotation',
 properties: $ReadOnlyArray<NamedShape<T>>,
}>;

type FunctionTypeAnnotation<+P, +R> = $ReadOnly<{
 type: 'FunctionTypeAnnotation',
 params: $ReadOnlyArray<NamedShape<P>>,
 returnTypeAnnotation: R,
}>;

export type NamedShape<+T> = $ReadOnly<{
 name: string,
 optional: boolean,
 typeAnnotation: T,
}>;

export type ComponentSchema = $ReadOnly<{
 type: 'Component',
 components: $ReadOnly<{
 [componentName: string]: ComponentShape,
 }>,
}>;

export type ComponentShape = $ReadOnly<{
 ...OptionsShape,
 extendsProps: $ReadOnlyArray<ExtendsPropsShape>,
 events: $ReadOnlyArray<EventTypeShape>,
 props: $ReadOnlyArray<NamedShape<PropTypeAnnotation>>,
 commands: $ReadOnlyArray<NamedShape<CommandTypeAnnotation>>,
}>;

export type OptionsShape =
 $ReadOnly<{
 interfaceOnly?: boolean,

 // Use for components with no current paper rename in progress
 // Does not check for new name
 paperComponentName?: string,

 // Use for components that are not used on other platforms.
 excludedPlatforms?: $ReadOnlyArray<PlatformType>,

 // Use for components currently being renamed in paper
 // Will use new name if it is available and fallback to this name
 paperComponentNameDeprecated?: string,

```



```

}>;

export type ExtendsPropsShape = $ReadOnly<{
 type: 'ReactNativeBuiltInType',
 knownTypeName: 'ReactNativeCoreViewProps',
}>;

export type EventTypeShape = $ReadOnly<{
 name: string,
 bubblingType: 'direct' | 'bubble',
 optional: boolean,
 paperTopLevelNameDeprecated?: string,
 typeAnnotation: $ReadOnly<{
 type: 'EventTypeAnnotation',
 argument?: ObjectTypeAnnotation<EventTypeAnnotation>,
 }>,
}>;

export type EventTypeAnnotation =
 | BooleanTypeAnnotation
 | StringTypeAnnotation
 | DoubleTypeAnnotation
 | FloatTypeAnnotation
 | Int32TypeAnnotation
 | StringEnumTypeAnnotation
 | ObjectTypeAnnotation<EventTypeAnnotation>;

export type PropTypeAnnotation =
 | $ReadOnly<{
 type: 'BooleanTypeAnnotation',
 default: boolean | null,
 }>
 | $ReadOnly<{
 type: 'StringTypeAnnotation',
 default: string | null,
 }>
 | $ReadOnly<{
 type: 'DoubleTypeAnnotation',
 default: number,
 }>
 | $ReadOnly<{
 type: 'FloatTypeAnnotation',
 default: number | null,
 }>
 | $ReadOnly<{
 type: 'Int32TypeAnnotation',
 default: number,
 }>

```

```

| $ReadOnly<{
 type: 'StringEnumTypeAnnotation',
 default: string,
 options: $ReadOnlyArray<string>,
}>
| $ReadOnly<{
 type: 'Int32EnumTypeAnnotation',
 default: number,
 options: $ReadOnlyArray<number>,
}>
| ReservedPropTypeAnnotation
| ObjectTypeAnnotation<PropTypeAnnotation>
| $ReadOnly<{
 type: 'ArrayTypeAnnotation',
 elementType:
 | BooleanTypeAnnotation

 | StringTypeAnnotation
 | DoubleTypeAnnotation
 | FloatTypeAnnotation
 | Int32TypeAnnotation
 | $ReadOnly<{
 type: 'StringEnumTypeAnnotation',
 default: string,
 options: $ReadOnlyArray<string>,
 }>
 | ObjectTypeAnnotation<PropTypeAnnotation>
 | ReservedPropTypeAnnotation
 | $ReadOnly<{
 type: 'ArrayTypeAnnotation',
 elementType: ObjectTypeAnnotation<PropTypeAnnotation>,
 }>,
}>;

```

```

export type ReservedPropTypeAnnotation = $ReadOnly<{
 type: 'ReservedPropTypeAnnotation',
 name:
 | 'ColorPrimitive'
 | 'ImageSourcePrimitive'
 | 'PointPrimitive'
 | 'EdgeInsetsPrimitive',
}>;

```

```

export type CommandTypeAnnotation = FunctionTypeAnnotation<
 CommandParamTypeAnnotation,
 VoidTypeAnnotation,
>;

```

```

export type CommandParamTypeAnnotation =
 | ReservedTypeAnnotation
 | BooleanTypeAnnotation
 | Int32TypeAnnotation
 | DoubleTypeAnnotation
 | FloatTypeAnnotation
 | StringTypeAnnotation;

export type ReservedTypeAnnotation = $ReadOnly<{
 type: 'ReservedTypeAnnotation',
 name: 'RootTag', // Union with more custom types.
}>;

/**
 * NativeModule Types
 */
export type Nullable<+T: NativeModuleTypeAnnotation> =
 | NullableTypeAnnotation<T>
 | T;

export type NullableTypeAnnotation<+T: NativeModuleTypeAnnotation> = $ReadOnly<{
 type: 'NullableTypeAnnotation',
 typeAnnotation: T,
}>;

export type NativeModuleSchema = $ReadOnly<{
 type: 'NativeModule',
 aliases: NativeModuleAliasMap,
 spec: NativeModuleSpec,
 moduleNames: $ReadOnlyArray<string>,
 // Use for modules that are not used on other platforms.
 // TODO: It's clearer to define `restrictedToPlatforms` instead, but
 // `excludedPlatforms` is used here to be consistent with ComponentSchema.
 excludedPlatforms?: $ReadOnlyArray<PlatformType>,
}>;

type NativeModuleSpec = $ReadOnly<{
 properties: $ReadOnlyArray<NativeModulePropertyShape>,
}>;

export type NativeModulePropertyShape
 = NamedShape<
 Nullable<NativeModuleFunctionTypeAnnotation>,
 >;

export type NativeModuleAliasMap = $ReadOnly<{
 [aliasName: string]: NativeModuleObjectTypeAnnotation,
}>;

```

```
export type NativeModuleFunctionTypeAnnotation = FunctionTypeAnnotation<
 Nullable<NativeModuleParamTypeAnnotation>,
 Nullable<NativeModuleReturnTypeAnnotation>,
>;
```

```
export type NativeModuleObjectTypeAnnotation = ObjectTypeAnnotation<
 Nullable<NativeModuleBaseTypeAnnotation>,
>;
```

```
export type NativeModuleArrayTypeAnnotation<
 +T: Nullable<NativeModuleBaseTypeAnnotation>,
> = $ReadOnly<{
 type: 'ArrayTypeAnnotation',
 /**
 * TODO(T72031674): Migrate all our NativeModule specs to not use
 * invalid Array ElementTypes. Then, make the elementType required.
 */
 elementType?: T,
}>;
```

```
export type NativeModuleStringTypeAnnotation = $ReadOnly<{
 type: 'StringTypeAnnotation',
}>;
```

```
export type NativeModuleNumberTypeAnnotation = $ReadOnly<{
 type: 'NumberTypeAnnotation',
}>;
```

```
export type NativeModuleInt32TypeAnnotation
= $ReadOnly<{
 type: 'Int32TypeAnnotation',
}>;
```

```
export type NativeModuleDoubleTypeAnnotation = $ReadOnly<{
 type: 'DoubleTypeAnnotation',
}>;
```

```
export type NativeModuleFloatTypeAnnotation = $ReadOnly<{
 type: 'FloatTypeAnnotation',
}>;
```

```
export type NativeModuleBooleanTypeAnnotation = $ReadOnly<{
 type: 'BooleanTypeAnnotation',
}>;
```

```
export type NativeModuleGenericObjectTypeAnnotation = $ReadOnly<{
 type: 'GenericObjectTypeAnnotation',
}>;
```

```
}>;
```

```
export type NativeModuleTypeAliasTypeAnnotation = $ReadOnly<{
 type: 'TypeAliasTypeAnnotation',
 name: string,
}>;
```

```
export type NativeModulePromiseTypeAnnotation = $ReadOnly<{
 type: 'PromiseTypeAnnotation',
}>;
```

```
export type NativeModuleMixedTypeAnnotation = $ReadOnly<{
 type: 'MixedTypeAnnotation',
}>;
```

```
export type NativeModuleBaseTypeAnnotation =
 | NativeModuleStringTypeAnnotation
 | NativeModuleNumberTypeAnnotation
 | NativeModuleInt32TypeAnnotation
 | NativeModuleDoubleTypeAnnotation
 | NativeModuleFloatTypeAnnotation
 | NativeModuleBooleanTypeAnnotation
 | NativeModuleGenericObjectTypeAnnotation
 | ReservedTypeAnnotation
 | NativeModuleTypeAliasTypeAnnotation
 | NativeModuleArrayTypeAnnotation<Nullable<NativeModuleBaseTypeAnnotation>>
 | NativeModuleObjectTypeAnnotation
 | NativeModuleMixedTypeAnnotation;
```

```
export type NativeModuleParamTypeAnnotation =
 | NativeModuleBaseTypeAnnotation
 | NativeModuleParamOnlyTypeAnnotation;
```

```
export type NativeModuleReturnTypeAnnotation =
 | NativeModuleBaseTypeAnnotation
 | NativeModuleReturnOnlyTypeAnnotation;
```

```
export type NativeModuleTypeAnnotation =
 | NativeModuleBaseTypeAnnotation
 | NativeModuleParamOnlyTypeAnnotation
 | NativeModuleReturnOnlyTypeAnnotation;
```

```
type NativeModuleParamOnlyTypeAnnotation = NativeModuleFunctionTypeAnnotation;
type NativeModuleReturnOnlyTypeAnnotation =
 | NativeModulePromiseTypeAnnotation
 | VoidTypeAnnotation;
```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/CodegenSchema.js.flow

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\*

\* @flow strict-local

\* @format

\*/

'use strict';

const {ParserError} = require('./errors');

/\*\*

\* TODO(T108222691): Use flow-types for @babel/parser

\*/

export type TypeDeclarationMap = {[declarationName: string]: \$FlowFixMe};

function getTypes(ast: \$FlowFixMe): TypeDeclarationMap {

return ast.body.reduce((types, node) => {

if (node.type === 'ExportNamedDeclaration' && node.exportKind === 'type') {

if (

node.declaration.type === 'TSTypeAliasDeclaration' ||

node.declaration.type === 'TSInterfaceDeclaration'

) {

types[node.declaration.id.name] = node.declaration;

}

} else if (

node.type === 'TSTypeAliasDeclaration' ||

node.type === 'TSInterfaceDeclaration'

)

{

types[node.id.name] = node;

}

return types;

}, {});

}

// \$FlowFixMe[unclear-type] Use flow-types for @babel/parser

export type ASTNode = Object;

const invariant = require('invariant');

```

type TypeAliasResolutionStatus =
 | $ReadOnly<{
 successful: true,
 aliasName: string,
 }>
 | $ReadOnly<{
 successful: false,
 }>;

function resolveTypeAnnotation(
 // TODO(T108222691): Use flow-types for @babel/parser
 typeAnnotation: $FlowFixMe,
 types: TypeDeclarationMap,
): {
 nullable: boolean,
 typeAnnotation: $FlowFixMe,
 typeAliasResolutionStatus: TypeAliasResolutionStatus,
} {
 invariant(
 typeAnnotation !== null,
 'resolveTypeAnnotation(): typeAnnotation cannot be null',
);

 let node =
 typeAnnotation.type === 'TSTypeAnnotation'
 ? typeAnnotation.typeAnnotation
 : typeAnnotation;
 let nullable = false;
 let typeAliasResolutionStatus: TypeAliasResolutionStatus = {
 successful: false,
 };

 for (;) {
 // Check for
 optional type in union e.g. T | null | undefined
 if (
 node.type === 'TSUnionType' &&
 node.types.some(
 t => t.type === 'TSNullKeyword' || t.type === 'TSUndefinedKeyword',
)
) {
 node = node.types.filter(
 t => t.type !== 'TSNullKeyword' && t.type !== 'TSUndefinedKeyword',
)[0];
 nullable = true;
 } else if (node.type === 'TSTypeReference') {
 typeAliasResolutionStatus = {
 successful: true,

```

```

 aliasName: node.typeName.name,
 };
 const resolvedTypeAnnotation = types[node.typeName.name];
 if (resolvedTypeAnnotation == null) {
 break;
 }

 invariant(
 resolvedTypeAnnotation.type === 'TSTypeAliasDeclaration',
 `GenericTypeAnnotation '${node.typeName.name}' must resolve to a TSTypeAliasDeclaration. Instead, it
resolved to a '${resolvedTypeAnnotation.type}'`,
);

 node = resolvedTypeAnnotation.typeAnnotation;
} else {
 break;
}
}

return {

 nullable: nullable,
 typeAnnotation: node,
 typeAliasResolutionStatus,
};
}

function getValueFromTypes(value: ASTNode, types: TypeDeclarationMap): ASTNode {
 if (value.type === 'TSTypeReference' && types[value.typeName.name]) {
 return getValueFromTypes(types[value.typeName.name], types);
 }

 if (value.type === 'TSTypeAliasDeclaration') {
 return value.typeAnnotation;
 }

 return value;
}

export type ParserErrorCapturer = <T>(fn: () => T) => ?T;

function createParserErrorCapturer(): [
 Array<ParserError>,
 ParserErrorCapturer,
] {
 const errors = [];
 function guard<T>(fn: () => T): ?T {
 try {

```



```

 return fn();
 } catch (error) {
 if (!(error instanceof ParserError)) {
 throw error;
 }
 errors.push(error);

 return null;
 }
}

return [errors, guard];
}

// TODO(T108222691): Use flow-types for @babel/parser
function visit(
 astNode: $FlowFixMe,
 visitor: {
 [type: string]: (node: $FlowFixMe) => void,
 },
) {

 const queue = [astNode];
 while (queue.length !== 0) {
 let item = queue.shift();

 if (!(typeof item === 'object' && item !== null)) {
 continue;
 }

 if (
 typeof item.type === 'string' &&
 typeof visitor[item.type] === 'function'
) {
 // Don't visit any children
 visitor[item.type](item);
 } else if (Array.isArray(item)) {
 queue.push(...item);
 } else {
 queue.push(...Object.values(item));
 }
 }
}

// TODO(T108222691): Use flow-types for @babel/parser
function isModuleRegistryCall(node: $FlowFixMe): boolean {
 if (node.type !== 'CallExpression') {
 return false;
 }
}

```

```

}

const callExpression = node;

if (callExpression.callee.type !== 'MemberExpression') {
 return false;
}

const memberExpression = callExpression.callee;
if (
 !(
 memberExpression.object.type === 'Identifier' &&
 memberExpression.object.name === 'TurboModuleRegistry'
)
) {
 return false;
}

if (
 !(
 memberExpression.property.type
 === 'Identifier' &&
 (memberExpression.property.name === 'get' ||
 memberExpression.property.name === 'getEnforcing')
)
) {
 return false;
}

if (memberExpression.computed) {
 return false;
}

return true;
}

module.exports = {
 getValueFromTypes,
 resolveTypeAnnotation,
 createParserErrorCapturer,
 getTypes,
 visit,
 isModuleRegistryCall,
};

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/utils.js.flow

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 *
 * @flow
 * @format
 */

/**
 * This generates all possible outputs by executing all available generators.
 */

'use strict';

const RNCodegen = require('../generators/RNCodegen.js');
const fs = require('fs');
const mkdirp = require('mkdirp');

const args = process.argv.slice(2);
if (args.length < 3) {
 throw new Error(
 `Expected to receive path to schema, library name, output directory and module spec name. Received ${args.join(
 ' ',
)}`,
);
}

const schemaPath = args[0];
const libraryName = args[1];
const outputDirectory = args[2];
const packageName = args[3];
const assumeNonnull = args[4] === 'true' || args[4] === 'True';

const schemaText = fs.readFileSync(schemaPath, 'utf-8');

if (schemaText == null) {
 throw new Error(`Can't find schema at ${schemaPath}`);
}

mkdirp.sync(outputDirectory);

let schema;
try {
 schema = JSON.parse(schemaText);
```

```

 } catch (err) {
 throw new Error(`Can't parse schema to JSON. ${schemaPath}`);
 }

 RNCodegen.generate(
 {libraryName, schema, outputDirectory, packageName, assumeNonnull},
 {
 generators: [
 'descriptors',
 'events',
 'props',
 'tests',
 'shadow-nodes',
 'modulesAndroid',
 'modulesCxx',
 'modulesIOS',
],
 },
);

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/cli/generators/generate-all.js.flow

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\* @flow strict-local

\* @format

\*/

'use strict';

const invariant = require('invariant');

const {ParserError} = require('../errors');

class MisnamedModuleFlowInterfaceParserError extends ParserError {

constructor(hasteModuleName: string, id: \$FlowFixMe) {

super(

hasteModuleName,

id,

`All Flow interfaces extending TurboModule must be called 'Spec'. Please rename Flow interface '\${id.name}' to 'Spec'.`,

);

}

```

}

class ModuleFlowInterfaceNotFoundParserError extends ParserError {
 constructor(hasteModuleName: string, ast: $FlowFixMe) {
 super(
 hasteModuleName,
 ast,
 'No Flow interfaces extending TurboModule were detected in this NativeModule spec.',
);
 }
}

class MoreThanOneModuleFlowInterfaceParserError
 extends ParserError {
 constructor(
 hasteModuleName: string,
 flowModuleInterfaces: $ReadOnlyArray<$FlowFixMe>,
 names: $ReadOnlyArray<string>,
) {
 const finalName = names[names.length - 1];
 const allButLastName = names.slice(0, -1);
 const quote = (x: string) => `${x}`;

 const nameStr =
 allButLastName.map(quote).join(', ') + ', and ' + quote(finalName);

 super(
 hasteModuleName,
 flowModuleInterfaces,
 `Every NativeModule spec file must declare exactly one NativeModule Flow interface. This file declares
 ${names.length}: ${nameStr}. Please remove the extraneous Flow interface declarations.`,
);
 }
}

class UnsupportedModulePropertyParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 propertyValue: $FlowFixMe,
 propertyName: string,
 invalidPropertyValueType: string,
) {
 super(
 hasteModuleName,
 propertyValue,
 `Flow interfaces extending TurboModule
 must only contain 'FunctionTypeAnnotation's. Property '${propertyName}' refers to a
 '${invalidPropertyValueType}'.`,
);
 }
}

```

```

);
 }
}

```

```

class UnsupportedFlowTypeAnnotationParserError extends ParserError {
 +typeAnnotationType: string;
 constructor(hasteModuleName: string, typeAnnotation: $FlowFixMe) {
 super(
 hasteModuleName,
 typeAnnotation,
 `Flow type annotation '${typeAnnotation.type}' is unsupported in NativeModule specs.`,
);

 this.typeAnnotationType = typeAnnotation.type;
 }
}

```

```

class UnsupportedFlowGenericParserError extends ParserError {
 +genericName: string;
 constructor(hasteModuleName: string, genericTypeAnnotation: $FlowFixMe) {
 const genericName = genericTypeAnnotation.id.name;
 super(
 hasteModuleName,
 genericTypeAnnotation,
 `Unrecognized generic type '${genericName}' in NativeModule spec.`,
);

 this.genericName = genericName;
 }
}

```

```

class IncorrectlyParameterizedFlowGenericParserError extends ParserError
{
 +genericName: string;
 +numTypeParameters: number;

 constructor(hasteModuleName: string, genericTypeAnnotation: $FlowFixMe) {
 if (genericTypeAnnotation.typeParameters == null) {
 super(
 hasteModuleName,
 genericTypeAnnotation,
 `Generic '${genericTypeAnnotation.id.name}' must have type parameters.`,
);
 return;
 }

 if (
 genericTypeAnnotation.typeParameters.type ===

```

```

 'TypeParameterInstantiation' &&
 genericTypeAnnotation.typeParameters.params.length !== 1
) {
 super(
 hasteModuleName,
 genericTypeAnnotation.typeParameters,
 `Generic '${genericTypeAnnotation.id.name}' must have exactly one type parameter.`
);
 return;
 }

 invariant(
 false,
 "Couldn't create IncorrectlyParameterizedFlowGenericParserError",
);
}
}

```

```

/**
 * Array parsing errors
 */

```

```

class UnsupportedArrayElementTypeAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName:
 string,
 arrayElementTypeAST: $FlowFixMe,
 arrayType: 'Array' | '$ReadOnlyArray',
 invalidArrayElementType: string,
) {
 super(
 hasteModuleName,
 arrayElementTypeAST,
 `${arrayType} element types cannot be '${invalidArrayElementType}'.`,
);
 }
}

```

```

/**
 * Object parsing errors
 */

```

```

class UnsupportedObjectPropertyTypeAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 propertyAST: $FlowFixMe,
 invalidPropertyType: string,
) {

```

```

let message = `ObjectTypeAnnotation' cannot contain '${invalidPropertyType}'.`;

if (invalidPropertyType === 'ObjectTypeSpreadProperty') {
 message = "Object spread isn't supported in 'ObjectTypeAnnotation's.";
}

super(hasteModuleName, propertyAST, message);
}
}

class UnsupportedObjectPropertyValueAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 propertyValueAST: $FlowFixMe,
 propertyName: string,
 invalidPropertyValue:
string,
) {
 super(
 hasteModuleName,
 propertyValueAST,
 `Object property '${propertyName}' cannot have type '${invalidPropertyValue}'.`,
);
 }
}

/**
 * Function parsing errors
 */

class UnnamedFunctionParamParserError extends ParserError {
 constructor(functionParam: $FlowFixMe, hasteModuleName: string) {
 super(
 hasteModuleName,
 functionParam,
 'All function parameters must be named.',
);
 }
}

class UnsupportedFunctionParamTypeAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowParamTypeAnnotation: $FlowFixMe,
 paramName: string,
 invalidParamType: string,
) {
 super(

```



```

 hasteModuleName,
 flowParamTypeAnnotation,
 `Function parameter '${paramName}' cannot have type '${invalidParamType}'.`,
);
}
}

```

```

class UnsupportedFunctionReturnTypeAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowReturnTypeAnnotation:
 $FlowFixMe,
 invalidReturnType: string,
) {
 super(
 hasteModuleName,
 flowReturnTypeAnnotation,
 `Function return cannot have type '${invalidReturnType}'.`,
);
 }
}

```

```

class UnusedModuleFlowInterfaceParserError extends ParserError {
 constructor(hasteModuleName: string, flowInterface: $FlowFixMe) {
 super(
 hasteModuleName,
 flowInterface,
 "Unused NativeModule spec. Please load the NativeModule by calling
TurboModuleRegistry.get<Spec>(<moduleName>).",
);
 }
}

```

```

class MoreThanOneModuleRegistryCallsParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowCallExpressions: $FlowFixMe,
 numCalls: number,
) {
 super(
 hasteModuleName,
 flowCallExpressions,
 `Every NativeModule spec file must contain exactly one NativeModule load. This file contains ${numCalls}.
Please simplify this spec file, splitting it as necessary, to remove the extraneous loads.`,
);
 }
}

```

```

class
UntypedModuleRegistryCallParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowCallExpression: $FlowFixMe,
 methodName: string,
 moduleName: string,
) {
 super(
 hasteModuleName,
 flowCallExpression,
 `Please type this NativeModule load: TurboModuleRegistry.${methodName}<Spec>('${moduleName}').`,
);
 }
}

```

```

class IncorrectModuleRegistryCallTypeParameterParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowTypeArguments: $FlowFixMe,
 methodName: string,
 moduleName: string,
) {
 super(
 hasteModuleName,
 flowTypeArguments,
 `Please change these type arguments to reflect
TurboModuleRegistry.${methodName}<Spec>('${moduleName}').`,
);
 }
}

```

```

class IncorrectModuleRegistryCallArityParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowCallExpression: $FlowFixMe,
 methodName: string,
 incorrectArity: number,
) {
 super(
 hasteModuleName,
 flowCallExpression,
 `Please call TurboModuleRegistry.${methodName}<Spec>() with exactly one argument. Detected
${incorrectArity}.`,
);
 }
}

```

```

class IncorrectModuleRegistryCallArgumentTypeParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowArgument: $FlowFixMe,
 methodName: string,
 type: string,
) {
 const a = /[aeiouy]/.test(type.toLowerCase()) ? 'an' : 'a';
 super(
 hasteModuleName,
 flowArgument,
 `Please call TurboModuleRegistry.${methodName}<Spec>() with a string literal. Detected ${a} '${type}'`,
);
 }
}

```

```

module.exports = {
 IncorrectlyParameterizedFlowGenericParserError,
 MisnamedModuleFlowInterfaceParserError,
 ModuleFlowInterfaceNotFoundParserError,
 MoreThanOneModuleFlowInterfaceParserError,
 UnnamedFunctionParamParserError,
 UnsupportedArrayElementTypeAnnotationParserError,
 UnsupportedFlowGenericParserError,
 UnsupportedFlowTypeAnnotationParserError,
 UnsupportedFunctionParamTypeAnnotationParserError,
 UnsupportedFunctionReturnTypeAnnotationParserError,
 UnsupportedModulePropertyParserError,
 UnsupportedObjectPropertyTypeAnnotationParserError,
 UnsupportedObjectPropertyValueAnnotationParserError,
 UnusedModuleFlowInterfaceParserError,
 MoreThanOneModuleRegistryCallsParserError,
 UntypedModuleRegistryCallParserError,
 IncorrectModuleRegistryCallTypeParameterParserError,
 IncorrectModuleRegistryCallArityParserError,
 IncorrectModuleRegistryCallArgumentTypeParserError,
};

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/errors.js.flow

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\*

```

* @flow strict-local
* @format
*/

'use strict';

import type {
 EventTypeShape,
 NamedShape,
 EventTypeAnnotation,
} from '../../../../CodegenSchema.js';

function getPropertyType(
 /* $FlowFixMe[missing-local-annot] The type annotation(s) required by Flow's
 * LTI update could not be added via codemod */
 name,
 optional: boolean,
 typeAnnotation: $FlowFixMe,
): NamedShape<EventTypeAnnotation> {
 const type =
 typeAnnotation.type === 'GenericTypeAnnotation'
 ? typeAnnotation.id.name
 : typeAnnotation.type;

 switch (type) {
 case 'BooleanTypeAnnotation':
 return {
 name,
 optional,
 typeAnnotation: {
 type: 'BooleanTypeAnnotation',
 },
 };
 case 'StringTypeAnnotation':
 return {
 name,
 optional,
 typeAnnotation: {
 type: 'StringTypeAnnotation',
 },
 };
 case 'Int32':
 return {
 name,
 optional,
 typeAnnotation: {
 type: 'Int32TypeAnnotation',
 },
 };
 }
}

```

```

 };
 case 'Double':
 return {
 name,
 optional,
 typeAnnotation: {
 type: 'DoubleTypeAnnotation',
 },
 };
 case 'Float':
 return {
 name,
 optional,
 typeAnnotation: {
 type: 'FloatTypeAnnotation',
 },
 };
 case '$ReadOnly':
 return getPropertyType(
 name,
 optional,
 typeAnnotation.typeParameters.params[0],
);
 case 'ObjectTypeAnnotation':
 return {
 name,
 optional,
 typeAnnotation: {
 type: 'ObjectTypeAnnotation',
 properties: typeAnnotation.properties.map(buildPropertiesForEvent),
 },
 };
 case 'UnionTypeAnnotation':
 return {
 name,
 optional,
 typeAnnotation: {
 type: 'StringEnumTypeAnnotation',
 options: typeAnnotation.types.map(option => option.value),
 },
 };
 default:
 (type: empty);
 throw new Error(`Unable to determine event type for "${name}": ${type}`);
 }
}

```

```

function findEventArgumentsAndType(

```

```

typeAnnotation: $FlowFixMe,
types: TypeMap,
bubblingType: void | 'direct' | 'bubble',
paperName: ?$FlowFixMe,
) {
 if (!typeAnnotation.id) {
 throw new Error("typeAnnotation of event doesn't have a name");
 }
 const name = typeAnnotation.id.name;
 if (name === '$ReadOnly') {
 return {
 argumentProps: typeAnnotation.typeParameters.params[0].properties,
 paperTopLevelNameDeprecated: paperName,
 bubblingType,
 };
 } else if (name === 'BubblingEventHandler' || name === 'DirectEventHandler') {
 const eventType = name === 'BubblingEventHandler' ? 'bubble' : 'direct';
 const
 paperTopLevelNameDeprecated =
 typeAnnotation.typeParameters.params.length > 1
 ? typeAnnotation.typeParameters.params[1].value
 : null;
 if (
 typeAnnotation.typeParameters.params[0].type ===
 'NullLiteralTypeAnnotation'
) {
 return {
 argumentProps: [],
 bubblingType: eventType,
 paperTopLevelNameDeprecated,
 };
 }
 return findEventArgumentsAndType(
 typeAnnotation.typeParameters.params[0],
 types,
 eventType,
 paperTopLevelNameDeprecated,
);
 } else if (types[name]) {
 return findEventArgumentsAndType(
 types[name].right,
 types,
 bubblingType,
 paperName,
);
 } else {
 return {
 argumentProps: null,

```

```

 bubblingType: null,
 paperTopLevelNameDeprecated: null,
 };
}
}

/* $FlowFixMe[missing-local-annot] The type annotation(s) required by Flow's
 * LTI update could not be added via codemod */
function buildPropertiesForEvent(property): NamedShape<EventTypeAnnotation>
{
 const name = property.key.name;
 const optional =
 property.value.type === 'NullableTypeAnnotation' || property.optional;
 let typeAnnotation =
 property.value.type === 'NullableTypeAnnotation'
 ? property.value.typeAnnotation
 : property.value;

 return getPropertyType(name, optional, typeAnnotation);
}

/* $FlowFixMe[missing-local-annot] The type annotation(s) required by Flow's
 * LTI update could not be added via codemod */
function getEventArgument(argumentProps, name: $FlowFixMe) {
 return {
 type: 'ObjectTypeAnnotation',
 properties: argumentProps.map(buildPropertiesForEvent),
 };
}

function buildEventSchema(
 types: TypeMap,
 property: EventTypeAST,
): ?EventTypeShape {
 const name = property.key.name;
 const optional =
 property.optional || property.value.type === 'NullableTypeAnnotation';

 let typeAnnotation =
 property.value.type === 'NullableTypeAnnotation'
 ? property.value.typeAnnotation
 :
 property.value;

 if (
 typeAnnotation.type !== 'GenericTypeAnnotation' ||
 (typeAnnotation.id.name !== 'BubblingEventHandler' &&
 typeAnnotation.id.name !== 'DirectEventHandler')
)

```

```

) {
 return null;
 }

 const {argumentProps, bubblingType, paperTopLevelNameDeprecated} =
 findEventArgumentsAndType(typeAnnotation, types);

 if (bubblingType && argumentProps) {
 if (paperTopLevelNameDeprecated != null) {
 return {
 name,
 optional,
 bubblingType,
 paperTopLevelNameDeprecated,
 typeAnnotation: {
 type: 'EventTypeAnnotation',
 argument: getEventArgument(argumentProps, name),
 },
 };
 }

 return {
 name,
 optional,
 bubblingType,
 typeAnnotation: {
 type: 'EventTypeAnnotation',
 argument: getEventArgument(argumentProps, name),
 },
 };
 }

 if (argumentProps === null) {
 throw new Error(`Unable to determine event arguments for "${name}"`);
 }

 if (bubblingType === null) {
 throw new Error(`Unable to determine event arguments for "${name}"`);
 }
 }

 // $FlowFixMe[unclear-type] there's no flowtype for ASTs
 type EventTypeAST = Object;

 type TypeMap = {
 // $FlowFixMe[unclear-type] there's no flowtype for ASTs
 [string]: Object,
 };

```



```

...
};

function getEvents(
 eventTypeAST: $ReadOnlyArray<EventTypeAST>,
 types: TypeMap,
): $ReadOnlyArray<EventTypeShape> {
 return eventTypeAST
 .filter(property => property.type === 'ObjectTypeProperty')
 .map(property => buildEventSchema(types, property))
 .filter(Boolean);
}

module.exports = {
 getEvents,
};

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/events.js.flow

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 *
 * @flow strict-local
 * @format
 */

```

Found in path(s):

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 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/index.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/index.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/schema/index.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/\_\_test\_fixtures\_\_/fixtures.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/index.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/generators/\_\_test\_fixtures\_\_/fixtures.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/\_\_test\_fixtures\_\_/fixtures.js.flow  
 \*  
 /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/extends.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/index.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/options.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/options.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/cli/combine/combine-js-to-schema.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/\_\_test\_fixtures\_\_/fixtures.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/props.js.flow

```
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/extends.js.flow
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/__test_fixtures__/failures.js.flow
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/__test_fixtures__/failures.js.flow
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/__test_fixtures__/failures.js.flow
*
/ react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/__test_fixtures__/failures.js.flow
* /react-native-codegen-0-70-6-tgz/package/lib/SchemaValidator.js.flow
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/index.js.flow
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/props.js.flow
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```
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 *
 * @format
 * @flow strict
 */
```

```
Found in path(s):
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* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/schema.js.flow
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 *
 * @flow strict-local
 * @format
 */
```

```
// @licenselint-loose-mode
```

```
'use strict';
```

```
const EVENT_DEFINITION = `
 boolean_required: boolean;
 boolean_optional_key?: boolean;
 boolean_optional_value: boolean | null | undefined;
 boolean_optional_both?: boolean | null | undefined;
```

```
 string_required: string;
 string_optional_key?: string;
```

```

string_optional_value: string | null | undefined;
string_optional_both?: string | null | undefined;

double_required: Double;
double_optional_key?: Double;
double_optional_value: Double | null | undefined;
double_optional_both?: Double | null | undefined;

float_required: Float;
float_optional_key?: Float;
float_optional_value: Float | null | undefined;
float_optional_both?: Float
| null | undefined;

int32_required: Int32;
int32_optional_key?: Int32;
int32_optional_value: Int32 | null | undefined;
int32_optional_both?: Int32 | null | undefined;

enum_required: 'small' | 'large';
enum_optional_key?: 'small' | 'large';
enum_optional_value: ('small' | 'large') | null | undefined;
enum_optional_both?: ('small' | 'large') | null | undefined;

object_required: {
 boolean_required: boolean;
};

object_optional_key?: {
 string_optional_key?: string;
};

object_optional_value: {
 float_optional_value: Float | null | undefined;
} | null | undefined;

object_optional_both?: {
 int32_optional_both?: Int32 | null | undefined;
} | null | undefined;

object_required_nested_2_layers: {
 object_optional_nested_1_layer?: {
 boolean_required: Int32;
 string_optional_key?: string;
 double_optional_value: Double | null | undefined;
 float_optional_value: Float | null | undefined;
 int32_optional_both?: Int32

```

```

| null | undefined;
} | null | undefined;
};

object_readonly_required: Readonly<{
 boolean_required: boolean;
}>;

object_readonly_optional_key?: Readonly<{
 string_optional_key?: string;
}>;

object_readonly_optional_value: Readonly<{
 float_optional_value: Float | null | undefined;
}> | null | undefined;

object_readonly_optional_both?: Readonly<{
 int32_optional_both?: Int32 | null | undefined;
}> | null | undefined;
`;

const ONE_OF_EACH_PROP_EVENT_DEFAULT_AND_OPTIONS = `
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 *
 * @format
 */

'use strict';

import type {
 BubblingEventHandler,
 DirectEventHandler,
 WithDefault,
} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

const codegenNativeComponent = require('codegenNativeComponent');

export
interface ModuleProps extends ViewProps {
 // Props
 boolean_default_true_optional_both?: WithDefault<boolean, true>;

```

```

// Events
onDirectEventDefinedInlineNull: DirectEventHandler<null>;
onBubblingEventDefinedInlineNull: BubblingEventHandler<null>;
}

export default codegenNativeComponent<ModuleProps>('Module', {
 interfaceOnly: true,
 paperComponentName: 'RCTModule',
}) as HostComponent<ModuleProps>;
`;

const ONE_OF_EACH_PROP_EVENT_DEFAULT_AND_OPTIONS_NO_CAST = `
/**
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 *
 * @format
 */

const codegenNativeComponent = require('codegenNativeComponent');

import type {
 BubblingEventHandler,
 DirectEventHandler,
 WithDefault,
} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

export interface ModuleProps extends ViewProps
{
 // Props
 boolean_default_true_optional_both?: WithDefault<boolean, true>;

 // Events
 onDirectEventDefinedInlineNull: DirectEventHandler<null>;
 onBubblingEventDefinedInlineNull: BubblingEventHandler<null>;
}

export default codegenNativeComponent<ModuleProps>('Module', {
 interfaceOnly: true,
 excludedPlatforms: ['android'],
 paperComponentName: 'RCTModule',
}) as HostComponent<ModuleProps>;
`;

```

```

const NO_PROPS_EVENTS_ONLY_DEPRECATED_VIEW_CONFIG_NAME_OPTION = `
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 *
 * @format
 */

const codegenNativeComponent = require('codegenNativeComponent');

import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

export interface ModuleProps extends ViewProps {

}

export default codegenNativeComponent<ModuleProps>('Module', {
 deprecatedViewConfigName: 'DeprecateModuleName',
})
as HostComponent<ModuleProps>;
`;

const ALL_PROP_TYPES_NO_EVENTS = `
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 *
 * @format
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {Int32, Double, Float, WithDefault} from 'CodegenTypes';
import type {ImageSource} from 'ImageSource';
import type {
 ColorValue,
 ColorArrayValue,
 PointValue,
 EdgeInsetsValue,
} from 'StyleSheetTypes';
import type {ViewProps} from 'ViewPropTypes';

```

```

import type {HostComponent} from 'react-native';

export interface ModuleProps extends ViewProps {
 // Props
 // Boolean props
 boolean_required: boolean;
 boolean_optional_key?: WithDefault<boolean, true>;
 boolean_optional_both?: WithDefault<boolean, true>;

 // Boolean props, null default
 boolean_null_optional_key?: WithDefault<boolean, null>;
 boolean_null_optional_both?: WithDefault<boolean, null>;

 // String props
 string_required: string;
 string_optional_key?: WithDefault<string, ">;
 string_optional_both?: WithDefault<string, ">;

 // String props, null default
 string_null_optional_key?: WithDefault<string, null>;
 string_null_optional_both?: WithDefault<string, null>;

 // Stringish props
 stringish_required: Stringish;
 stringish_optional_key?: WithDefault<Stringish, ">;
 stringish_optional_both?: WithDefault<Stringish, ">;

 // Stringish props, null default
 stringish_null_optional_key?: WithDefault<Stringish, null>;
 stringish_null_optional_both?: WithDefault<Stringish, null>;

 // Double props
 double_required: Double;
 double_optional_key?: WithDefault<Double, 1.1>;
 double_optional_both?: WithDefault<Double, 1.1>;

 // Float props
 float_required: Float;
 float_optional_key?: WithDefault<Float, 1.1>;
 float_optional_both?: WithDefault<Float, 1.1>;

 // Float props, null default

 float_null_optional_key?: WithDefault<Float, null>;
 float_null_optional_both?: WithDefault<Float, null>;

 // Int32 props
 int32_required: Int32;

```

```

int32_optional_key?: WithDefault<Int32, 1>;
int32_optional_both?: WithDefault<Int32, 1>;

// String enum props
enum_optional_key?: WithDefault<'small' | 'large', 'small'>;
enum_optional_both?: WithDefault<'small' | 'large', 'small'>;

// Int enum props
int_enum_optional_key?: WithDefault<0 | 1, 0>;

// Object props
object_optional_key?: Readonly<{prop: string}>;
object_optional_both?: Readonly<{prop: string} | null | undefined>;
object_optional_value: Readonly<{prop: string} | null | undefined>;

// ImageSource props
image_required: ImageSource;
image_optional_value: ImageSource | null | undefined;
image_optional_both?: ImageSource | null | undefined;

// ColorValue props
color_required: ColorValue;
color_optional_key?: ColorValue;
color_optional_value: ColorValue | null | undefined;
color_optional_both?:
ColorValue | null | undefined;

// ColorArrayValue props
color_array_required: ColorArrayValue;
color_array_optional_key?: ColorArrayValue;
color_array_optional_value: ColorArrayValue | null | undefined;
color_array_optional_both?: ColorArrayValue | null | undefined;

// ProcessedColorValue props
processed_color_required: ProcessedColorValue;
processed_color_optional_key?: ProcessedColorValue;
processed_color_optional_value: ProcessedColorValue | null | undefined;
processed_color_optional_both?: ProcessedColorValue | null | undefined;

// PointValue props
point_required: PointValue;
point_optional_key?: PointValue;
point_optional_value: PointValue | null | undefined;
point_optional_both?: PointValue | null | undefined;

// EdgeInsets props
insets_required: EdgeInsetsValue;
insets_optional_key?: EdgeInsetsValue;

```



```

insets_optional_value: EdgeInsetsValue | null | undefined;
insets_optional_both?: EdgeInsetsValue | null | undefined;
}

export default
codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

const ARRAY_PROP_TYPES_NO_EVENTS = `
/**
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {Int32, Double, Float, WithDefault} from 'CodegenTypes';
import type {ImageSource} from 'ImageSource';
import type {
 ColorValue,
 ColorArrayValue,
 PointValue,
 EdgeInsetsValue,
} from 'StyleSheetTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type ObjectType = Readonly<{prop: string}>;
type ArrayObjectType = ReadonlyArray<Readonly<{prop: string}>>;

export interface ModuleProps extends ViewProps {
 // Props
 // Boolean props
 array_boolean_required: ReadonlyArray<boolean>;
 array_boolean_optional_key?:
 ReadonlyArray<boolean>;
 array_boolean_optional_value: ReadonlyArray<boolean> | null | undefined;
 array_boolean_optional_both?: ReadonlyArray<boolean> | null | undefined;

 // String props

```

```

array_string_required: ReadonlyArray<string>;
array_string_optional_key?: ReadonlyArray<string>;
array_string_optional_value: ReadonlyArray<string> | null | undefined;
array_string_optional_both?: ReadonlyArray<string> | null | undefined;

// Double props
array_double_required: ReadonlyArray<Double>;
array_double_optional_key?: ReadonlyArray<Double>;
array_double_optional_value: ReadonlyArray<Double> | null | undefined;
array_double_optional_both?: ReadonlyArray<Double> | null | undefined;

// Float props
array_float_required: ReadonlyArray<Float>;
array_float_optional_key?: ReadonlyArray<Float>;
array_float_optional_value: ReadonlyArray<Float> | null | undefined;
array_float_optional_both?: ReadonlyArray<Float> | null | undefined;

// Int32 props
array_int32_required:
 ReadonlyArray<Int32>;
array_int32_optional_key?: ReadonlyArray<Int32>;
array_int32_optional_value: ReadonlyArray<Int32> | null | undefined;
array_int32_optional_both?: ReadonlyArray<Int32> | null | undefined;

// String enum props
array_enum_optional_key?: WithDefault<
 ReadonlyArray<'small' | 'large'>,
 'small'
>;
array_enum_optional_both?: WithDefault<
 ReadonlyArray<'small' | 'large'>,
 'small'
>;

// ImageSource props
array_image_required: ReadonlyArray<ImageSource>;
array_image_optional_key?: ReadonlyArray<ImageSource>;
array_image_optional_value: ReadonlyArray<ImageSource> | null | undefined;
array_image_optional_both?: ReadonlyArray<ImageSource> | null | undefined;

// ColorValue props
array_color_required: ReadonlyArray<ColorValue>;
array_color_optional_key?: ReadonlyArray<ColorValue>;
array_color_optional_value: ReadonlyArray<ColorValue> | null | undefined;
array_color_optional_both?: ReadonlyArray<ColorValue> | null | undefined;

// PointValue props
array_point_required: ReadonlyArray<PointValue>;

```

```

array_point_optional_key?: ReadonlyArray<PointValue>;
array_point_optional_value: ReadonlyArray<PointValue> | null | undefined;
array_point_optional_both?: ReadonlyArray<PointValue> | null | undefined;

// EdgeInsetsValue props
array_insets_required: ReadonlyArray<EdgeInsetsValue>;
array_insets_optional_key?: ReadonlyArray<EdgeInsetsValue>;
array_insets_optional_value: ReadonlyArray<EdgeInsetsValue> | null | undefined;
array_insets_optional_both?: ReadonlyArray<EdgeInsetsValue> | null | undefined;

// Object props
array_object_required: ReadonlyArray<Readonly<{prop: string}>>;
array_object_optional_key?: ReadonlyArray<Readonly<{prop: string}>>;
array_object_optional_value: ArrayObjectType | null | undefined;
array_object_optional_both?: ReadonlyArray<ObjectType> | null | undefined;

// Nested array object types
array_of_array_object_required: ReadonlyArray<
 Readonly<{
 // This needs to be the same name as the top level array above
 array_object_required: ReadonlyArray<Readonly<{prop: string}>>;
 }>
>;
array_of_array_object_optional_key?: ReadonlyArray<
 Readonly<{
 // This needs to be the same name as the top level array above
 array_object_optional_key: ReadonlyArray<Readonly<{prop?: string}>>;
 }>
>;
array_of_array_object_optional_value: ReadonlyArray<
 Readonly<{
 // This needs to be the same name as the top level array above
 array_object_optional_value: ReadonlyArray<
 Readonly<{prop: string | null | undefined}>
 >;
 }>
> | null | undefined;
array_of_array_object_optional_both?: ReadonlyArray<
 Readonly<{
 // This needs to be the same name as the top level array above
 array_object_optional_both: ReadonlyArray<
 Readonly<{prop?: string | null | undefined}>
 >;
 }>
> | null | undefined;

// Nested array of array of object types

```

```

array_of_array_of_object_required:
 ReadonlyArray<
 ReadonlyArray<
 Readonly<{
 prop: string;
 }>
 >
 >;

// Nested array of array of object types (in file)
array_of_array_of_object_required_in_file: ReadonlyArray<
 ReadonlyArray<ObjectType>
>;
}

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

const ARRAY2_PROP_TYPES_NO_EVENTS = `
/**
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 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {Int32, Double, Float, WithDefault} from 'CodegenTypes';
import type {ImageSource} from 'ImageSource';
import type {
 ColorValue,
 ColorArrayValue,
 PointValue,
 EdgeInsetsValue,
} from 'StyleSheetTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type
 ObjectType = Readonly<{prop: string}>;
type ArrayObjectType = readonly Readonly<{prop: string}>[];

```

```

export interface ModuleProps extends ViewProps {
 // Props
 // Boolean props
 array_boolean_required: readonly boolean[];
 array_boolean_optional_key?: readonly boolean[];
 array_boolean_optional_value: readonly boolean[] | null | undefined;
 array_boolean_optional_both?: readonly boolean[] | null | undefined;

 // String props
 array_string_required: readonly string[];
 array_string_optional_key?: readonly string[];
 array_string_optional_value: readonly string[] | null | undefined;
 array_string_optional_both?: readonly string[] | null | undefined;

 // Double props
 array_double_required: readonly Double[];
 array_double_optional_key?: readonly Double[];
 array_double_optional_value: readonly Double[] | null | undefined;
 array_double_optional_both?: readonly Double[] | null | undefined;

 // Float props
 array_float_required: readonly Float[];
 array_float_optional_key?:
 readonly Float[];
 array_float_optional_value: readonly Float[] | null | undefined;
 array_float_optional_both?: readonly Float[] | null | undefined;

 // Int32 props
 array_int32_required: readonly Int32[];
 array_int32_optional_key?: readonly Int32[];
 array_int32_optional_value: readonly Int32[] | null | undefined;
 array_int32_optional_both?: readonly Int32[] | null | undefined;

 // String enum props
 array_enum_optional_key?: WithDefault<
 readonly ('small' | 'large')[],
 'small'
 >;
 array_enum_optional_both?: WithDefault<
 readonly ('small' | 'large')[],
 'small'
 >;

 // ImageSource props
 array_image_required: readonly ImageSource[];
 array_image_optional_key?: readonly ImageSource[];
 array_image_optional_value: readonly ImageSource[] | null | undefined;

```

```

array_image_optional_both?: readonly ImageSource[] | null | undefined;

// ColorValue props
array_color_required: readonly ColorValue[];
array_color_optional_key?: readonly
ColorValue[];
array_color_optional_value: readonly ColorValue[] | null | undefined;
array_color_optional_both?: readonly ColorValue[] | null | undefined;

// PointValue props
array_point_required: readonly PointValue[];
array_point_optional_key?: readonly PointValue[];
array_point_optional_value: readonly PointValue[] | null | undefined;
array_point_optional_both?: readonly PointValue[] | null | undefined;

// EdgeInsetsValue props
array_insets_required: readonly EdgeInsetsValue[];
array_insets_optional_key?: readonly EdgeInsetsValue[];
array_insets_optional_value: readonly EdgeInsetsValue[] | null | undefined;
array_insets_optional_both?: readonly EdgeInsetsValue[] | null | undefined;

// Object props
array_object_required: readonly Readonly<{prop: string}>[];
array_object_optional_key?: readonly Readonly<{prop: string}>[];
array_object_optional_value: ArrayObjectType | null | undefined;
array_object_optional_both?: readonly ObjectType[] | null | undefined;

// Nested array object types
array_of_array_object_required: readonly Readonly<{
 // This needs to be the same name as the top level array above
 array_object_required: readonly Readonly<{prop: string}>[];
}>[];
array_of_array_object_optional_key?: readonly Readonly<{
 // This needs to be the same name as the top level array above
 array_object_optional_key: readonly Readonly<{prop?: string}>[];
}>[];
array_of_array_object_optional_value: readonly Readonly<{
 // This needs to be the same name as the top level array above
 array_object_optional_value: readonly Readonly<{prop: string | null | undefined}>[];
}>[] | null | undefined;
array_of_array_object_optional_both?: readonly Readonly<{
 // This needs to be the same name as the top level array above
 array_object_optional_both: readonly Readonly<{prop?: string | null | undefined}>[];
}>[] | null | undefined;

// Nested array of array of object types
array_of_array_of_object_required:

```

```

readonly Readonly<{
 prop: string;
}>[]];

// Nested array of array of object types (in file)
array_of_array_of_object_required_in_file: readonly ObjectType[][];
}

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

const OBJECT_PROP_TYPES_NO_EVENTS = `
/**
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {Int32, Double, Float, WithDefault} from 'CodegenTypes';
import type {ImageSource} from 'ImageSource';
import type {
 ColorValue,
 ColorArrayValue,
 PointValue,
 EdgeInsetsValue,
} from 'StyleSheetTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

export interface ModuleProps extends ViewProps
{
 // Props
 // Boolean props
 boolean_required: Readonly<{prop: boolean}>;
 boolean_optional: Readonly<{prop?: WithDefault<boolean, false>}>;

 // String props
 string_required: Readonly<{prop: string}>;
 string_optional: Readonly<{prop?: WithDefault<string, ">">}>;

```

```

// Double props
double_required: Readonly<{prop: Double}>;
double_optional: Readonly<{prop?: WithDefault<Double, 0.0>}>;

// Float props
float_required: Readonly<{prop: Float}>;
float_optional: Readonly<{prop?: WithDefault<Float, 0.0>}>;

// Int32 props
int_required: Readonly<{prop: Int32}>;
int_optional: Readonly<{prop?: WithDefault<Int32, 0>}>;

// String enum props
enum_optional: Readonly<{
 prop?: WithDefault<ReadonlyArray<'small' | 'large', 'small'>;
}>;

// ImageSource props
image_required: Readonly<{prop: ImageSource}>;
image_optional_key: Readonly<{prop?: ImageSource}>;
image_optional_value: Readonly<{prop: ImageSource | null | undefined}>;
image_optional_both: Readonly<{prop?:
ImageSource | null | undefined}>;

// ColorValue props
color_required: Readonly<{prop: ColorValue}>;
color_optional_key: Readonly<{prop?: ColorValue}>;
color_optional_value: Readonly<{prop: ColorValue | null | undefined}>;
color_optional_both: Readonly<{prop?: ColorValue | null | undefined}>;

// ProcessedColorValue props
processed_color_required: Readonly<{prop: ProcessedColorValue}>;
processed_color_optional_key: Readonly<{prop?: ProcessedColorValue}>;
processed_color_optional_value: Readonly<{
 prop: ProcessedColorValue | null | undefined;
}>;
processed_color_optional_both: Readonly<{
 prop?: ProcessedColorValue | null | undefined;
}>;

// PointValue props
point_required: Readonly<{prop: PointValue}>;
point_optional_key: Readonly<{prop?: PointValue}>;
point_optional_value: Readonly<{prop: PointValue | null | undefined}>;
point_optional_both: Readonly<{prop?: PointValue | null | undefined}>;

// EdgeInsetsValue props

```



```

insets_required:
 Readonly<{prop: EdgeInsetsValue}>;
insets_optional_key?: Readonly<{prop?: EdgeInsetsValue}>;
insets_optional_value: Readonly<{prop: EdgeInsetsValue | null | undefined}>;
insets_optional_both: Readonly<{prop?: EdgeInsetsValue | null | undefined}>;

// Nested object props
object_required: Readonly<{prop: Readonly<{nestedProp: string}>>>;
object_optional_key?: Readonly<{prop: Readonly<{nestedProp: string}>>>;
object_optional_value: Readonly<{
 prop: Readonly<{nestedProp: string}>>;
}> | null | undefined;
object_optional_both?: Readonly<{
 prop: Readonly<{nestedProp: string}>>;
}> | null | undefined;
}

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

const PROPS_ALIASED_LOCALLY = `
/**
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 *
 * @format
 */

'use strict';

import type
 {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

const codegenNativeComponent = require('codegenNativeComponent');

type DeepSpread = Readonly<{
 otherStringProp: string;
}>;

export interface PropsInFile extends DeepSpread {
 isEnabled: boolean;
 label: string;
}

```

```

type ReadonlyPropsInFile = Readonly<PropsInFile>;

export interface ModuleProps extends ViewProps, ReadonlyPropsInFile {
 localType: ReadonlyPropsInFile;
 localArr: ReadonlyArray<ReadonlyPropsInFile>;
}

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

const EVENTS_DEFINED_INLINE_WITH_ALL_TYPES = `
/**
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 *
 * @format
 */

import type {HostComponent} from 'react-native';
const codegenNativeComponent = require('codegenNativeComponent');

import type {
 Int32,
 Double,
 Float,
 BubblingEventHandler,
 DirectEventHandler,
} from 'CodegenTypes';

import type {ViewProps} from 'ViewPropTypes';

export interface ModuleProps extends ViewProps {
 // No Props

 // Events
 onDirectEventDefinedInline: DirectEventHandler<
 Readonly<{
 ${EVENT_DEFINITION}
 }>
 >;

 onDirectEventDefinedInlineOptionalKey?: DirectEventHandler<
 Readonly<{

```

```
 ${EVENT_DEFINITION}
 }>
>;
```

```
onDirectEventDefinedInlineOptionalValue: DirectEventHandler<
 Readonly<{
 ${EVENT_DEFINITION}
 }>
> | null | undefined;
```

```
onDirectEventDefinedInlineOptionalBoth?: DirectEventHandler<
 Readonly<{
 ${EVENT_DEFINITION}
 }>
> | null | undefined;
```

```
onDirectEventDefinedInlineWithPaperName?: DirectEventHandler<
 Readonly<{
 ${EVENT_DEFINITION}
 }>,
 'paperDirectEventDefinedInlineWithPaperName'
> | null | undefined;
```

```
onBubblingEventDefinedInline: BubblingEventHandler<
 Readonly<{
 ${EVENT_DEFINITION}
 }>
>;
```

```
onBubblingEventDefinedInlineOptionalKey?: BubblingEventHandler<
 Readonly<{
 ${EVENT_DEFINITION}
 }>
>;
```

```
onBubblingEventDefinedInlineOptionalValue: BubblingEventHandler<
 Readonly<{
 ${EVENT_DEFINITION}
 }>
> | null | undefined;
```

```
onBubblingEventDefinedInlineOptionalBoth?: BubblingEventHandler<
 Readonly<{
 ${EVENT_DEFINITION}
 }>
> | null | undefined;
```

```
onBubblingEventDefinedInlineWithPaperName?: BubblingEventHandler<
```

```

 Readonly<{
 ${EVENT_DEFINITION}
 }>,
 'paperBubblingEventDefinedInlineWithPaperName'
 > | null | undefined;
}

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

const EVENTS_DEFINED_AS_NULL_INLINE = `
/**
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 *
 * @format
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import
 type {BubblingEventHandler, DirectEventHandler} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

export interface ModuleProps extends ViewProps {
 // No props

 // Events defined inline
 onDirectEventDefinedInlineNull: DirectEventHandler<null>;
 onDirectEventDefinedInlineNullOptionalKey?: DirectEventHandler<null>;
 onDirectEventDefinedInlineNullOptionalValue: DirectEventHandler<null> | null | undefined;
 onDirectEventDefinedInlineNullOptionalBoth?: DirectEventHandler<null>;
 onDirectEventDefinedInlineNullWithPaperName?: DirectEventHandler<
 null,
 'paperDirectEventDefinedInlineNullWithPaperName'
 > | null | undefined;

 onBubblingEventDefinedInlineNull: BubblingEventHandler<null>;
 onBubblingEventDefinedInlineNullOptionalKey?: BubblingEventHandler<null>;
 onBubblingEventDefinedInlineNullOptionalValue: BubblingEventHandler<null> | null | undefined;
 onBubblingEventDefinedInlineNullOptionalBoth?:

```

```

 BubblingEventHandler<null> | null | undefined;
 onBubblingEventDefinedInlineNullWithPaperName?: BubblingEventHandler<
 null,
 'paperBubblingEventDefinedInlineNullWithPaperName'
 > | null | undefined;
 }

```

```

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

```

```

const PROPS_AND_EVENTS_TYPES_EXPORTED = `
/**
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 *
 * @format
 */

```

```

const codegenNativeComponent = require('codegenNativeComponent');

```

```

import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';
import type {
 BubblingEventHandler,
 DirectEventHandler,
} from 'CodegenTypes';

```

```

export type EventInFile = Readonly<{
 ${EVENT_DEFINITION}
}>;

```

```

export interface ModuleProps extends ViewProps {
 // No props

```

```

 // Events defined inline
 onBubblingEventDefinedInline:
 BubblingEventHandler<EventInFile>;
 onBubblingEventDefinedInlineWithPaperName: BubblingEventHandler<
 EventInFile,
 'paperBubblingEventDefinedInlineWithPaperName'
 >;
 onDirectEventDefinedInline: DirectEventHandler<EventInFile>;
 onDirectEventDefinedInlineWithPaperName: DirectEventHandler<
 EventInFile,

```

```

 'paperDirectEventDefinedInlineWithPaperName'
 >;
}

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

const PROPS_AS_EXTERNAL_TYPES = `
/**
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 *
 * @format
 */

const codegenNativeComponent = require('codegenNativeComponent');

import type {HostComponent} from 'react-native';

export type String = string;
export type AnotherArray = ReadonlyArray<String>;

export interface ModuleProps {
 disable: String;
 array: AnotherArray;
}

export
default codegenNativeComponent<ModuleProps>(
 'Module',
) as HostComponent<ModuleProps>;
`;

const COMMANDS_DEFINED_WITH_ALL_TYPES = `
/**
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 *
 * @format
 */

const codegenNativeCommands = require('codegenNativeCommands');

```

```

const codegenNativeComponent = require('codegenNativeComponent');

import type {Int32, Double, Float} from 'CodegenTypes';
import type {RootTag} from 'RCTExport';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

export interface ModuleProps extends ViewProps {
 // No props or events
}

type NativeType = HostComponent<ModuleProps>;

interface NativeCommands {
 readonly handleRootTag: (viewRef: React.ElementRef<NativeType>, rootTag: RootTag) => void;
 readonly hotspotUpdate: (viewRef: React.ElementRef<NativeType>,
 x: Int32, y: Int32) => void;
 readonly scrollTo: (
 viewRef: React.ElementRef<NativeType>,
 x: Float,
 y: Int32,
 z: Double,
 animated: boolean,
) => void;
}

export const Commands = codegenNativeCommands<NativeCommands>({
 supportedCommands: ['handleRootTag', 'hotspotUpdate', 'scrollTo'],
});

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as NativeType;
`;

const COMMANDS_WITH_EXTERNAL_TYPES = `
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 *
 * @format
 */

const codegenNativeCommands = require('codegenNativeCommands');
const codegenNativeComponent = require('codegenNativeComponent');

```

```

import type {Int32} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

export type Boolean = boolean;
export type Int = Int32;
export type Void =
 void;

export interface ModuleProps extends ViewProps {
 // No props or events
}

type NativeType = HostComponent<ModuleProps>;

export type ScrollTo = (
 viewRef: React.ElementRef<NativeType>,
 y: Int,
 animated: Boolean,
) => Void;

interface NativeCommands {
 readonly scrollTo: ScrollTo;
}

export const Commands = codegenNativeCommands<NativeCommands>({
 supportedCommands: ['scrollTo'],
});

export default codegenNativeComponent<ModuleProps>('Module') as NativeType;

`;

const COMMANDS_AND_EVENTS_TYPES_EXPORTED = `
/**
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 *
 * @format
 */

import type {
 BubblingEventHandler,
 DirectEventHandler,
} from 'CodegenTypes';

```



```

import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

const codegenNativeComponent = require('codegenNativeComponent');

export type EventInFile
= Readonly<{
 ${EVENT_DEFINITION}
}>;

export type Boolean = boolean;
export type Int = Int32;
export type Void = void;

export interface ModuleProps extends ViewProps {
 // No props

 // Events defined inline
 onBubblingEventDefinedInline: BubblingEventHandler<EventInFile>,
 onBubblingEventDefinedInlineWithPaperName: BubblingEventHandler<EventInFile,
'paperBubblingEventDefinedInlineWithPaperName'>,
 onDirectEventDefinedInline: DirectEventHandler<EventInFile>,
 onDirectEventDefinedInlineWithPaperName: DirectEventHandler<EventInFile,
'paperDirectEventDefinedInlineWithPaperName'>,
}

type NativeType = HostComponent<ModuleProps>;

export type ScrollTo = (viewRef: React.ElementRef<NativeType>, y: Int, animated: Boolean) => Void;

interface NativeCommands {
 readonly scrollTo: ScrollTo;
}

export const Commands = codegenNativeCommands<NativeCommands>({
 supportedCommands: ['scrollTo']
});

export default codegenNativeComponent<ModuleProps>(
 'Module',
) as NativeType;
`;

module.exports
= {
 ALL_PROP_TYPES_NO_EVENTS,
 ARRAY_PROP_TYPES_NO_EVENTS,
 ARRAY2_PROP_TYPES_NO_EVENTS,

```

```

OBJECT_PROP_TYPES_NO_EVENTS,
PROPS_ALIASED_LOCALLY,
ONE_OF_EACH_PROP_EVENT_DEFAULT_AND_OPTIONS,
ONE_OF_EACH_PROP_EVENT_DEFAULT_AND_OPTIONS_NO_CAST,
NO_PROPS_EVENTS_ONLY_DEPRECATED_VIEW_CONFIG_NAME_OPTION,
EVENTS_DEFINED_INLINE_WITH_ALL_TYPES,
EVENTS_DEFINED_AS_NULL_INLINE,
PROPS_AND_EVENTS_TYPES_EXPORTED,
COMMANDS_AND_EVENTS_TYPES_EXPORTED,
COMMANDS_DEFINED_WITH_ALL_TYPES,
PROPS_AS_EXTERNAL_TYPES,
COMMANDS_WITH_EXTERNAL_TYPES,
};

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/\_\_test\_fixtures\_\_/fixtures.js.flow

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```

/**
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 *
 * @flow strict-local
 * @format
 */

```

```
// @licenselint-loose-mode
```

```
'use strict';
```

```

const EVENT_DEFINITION = `
 boolean_required: boolean,
 boolean_optional_key?: boolean,
 boolean_optional_value: ?boolean,
 boolean_optional_both?: ?boolean,

```

```

 string_required: string,
 string_optional_key?: string,
 string_optional_value: ?string,
 string_optional_both?: ?string,

```

```

 double_required: Double,
 double_optional_key?: Double,
 double_optional_value: ?Double,
 double_optional_both?: ?Double,

```

```

float_required: Float,
float_optional_key?: Float,
float_optional_value: ?Float,
float_optional_both?: ?Float,

int32_required: Int32,
int32_optional_key?: Int32,
int32_optional_value: ?Int32,
int32_optional_both?: ?Int32,

enum_required: ('small' | 'large'),
enum_optional_key?: ('small' | 'large'),
enum_optional_value: ?('small' | 'large'),
enum_optional_both?: ?('small' | 'large'),

object_required: {
 boolean_required: boolean,
},

object_optional_key?: {
 string_optional_key?: string,
},

object_optional_value: ?{
 float_optional_value: ?Float,
},

object_optional_both?: ?{
 int32_optional_both?: ?Int32,
},

object_required_nested_2_layers: {
 object_optional_nested_1_layer?: ?{
 boolean_required: Int32,
 string_optional_key?: string,
 double_optional_value: ?Double,
 float_optional_value: ?Float,
 int32_optional_both?: ?Int32,
 }
},

object_readonly_required: $ReadOnly<{
 boolean_required: boolean,
}>,

object_readonly_optional_key?: $ReadOnly<{
 string_optional_key?: string,
}>,

```

```

object_readonly_optional_value: ?$ReadOnly<{
 float_optional_value: ?Float,
}>,

object_readonly_optional_both?: ?$ReadOnly<{

 int32_optional_both?: ?Int32,
}>,
`;

const ONE_OF_EACH_PROP_EVENT_DEFAULT_AND_OPTIONS = `
/**
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 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {
 BubblingEventHandler,
 DirectEventHandler,
 WithDefault,
} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type ModuleProps = $ReadOnly<{|
 ...ViewProps,

 // Props
 boolean_default_true_optional_both?: WithDefault<boolean, true>,

 // Events
 onDirectEventDefinedInlineNull: DirectEventHandler<null>,
 onBubblingEventDefinedInlineNull: BubblingEventHandler<null>,
|}>;

export default (codegenNativeComponent<ModuleProps>('Module', {
 interfaceOnly: true,
 paperComponentName: 'RCTModule',

```

```

}): HostComponent<ModuleProps>);
`;

const
ONE_OF_EACH_PROP_EVENT_DEFAULT_AND_OPTIONS_NO_CAST = `
/**
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 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {
 BubblingEventHandler,
 DirectEventHandler,
 WithDefault,
} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type ModuleProps = $ReadOnly<{
 ...ViewProps,

 // Props
 boolean_default_true_optional_both?: WithDefault<boolean, true>,

 // Events
 onDirectEventDefinedInlineNull: DirectEventHandler<null>,
 onBubblingEventDefinedInlineNull: BubblingEventHandler<null>,
}>;

export default codegenNativeComponent<ModuleProps>('Module', {
 interfaceOnly: true,
 excludedPlatforms: ['android'],
 paperComponentName:
 'RCTModule',
});
`;

const NO_PROPS_EVENTS_ONLY_DEPRECATED_VIEW_CONFIG_NAME_OPTION = `
/**

```

```

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* LICENSE file in the root directory of this source tree.
*
* @format
* @flow strict-local
*/

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type ModuleProps = $ReadOnly<{|
 ...ViewProps,
|}>;

export default (codegenNativeComponent<ModuleProps>('Module', {
 deprecatedViewConfigName: 'DeprecateModuleName',
})): HostComponent<ModuleProps>;
`;

const ALL_PROP_TYPES_NO_EVENTS = `
/**
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*
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* LICENSE file in the root directory of this source tree.
*
* @format
* @flow strict-local
*/

'use strict';

const codegenNativeComponent
= require('codegenNativeComponent');

import type {Int32, Double, Float, WithDefault} from 'CodegenTypes';
import type {ImageSource} from 'ImageSource';
import type {ColorValue, ColorArrayValue, PointValue, EdgeInsetsValue} from 'StyleSheetTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type ModuleProps = $ReadOnly<{|

```

```

...ViewProps,

// Props
// Boolean props
boolean_required: boolean,
boolean_optional_key?: WithDefault<boolean, true>,
boolean_optional_both?: WithDefault<boolean, true>,

// Boolean props, null default
boolean_null_optional_key?: WithDefault<boolean, null>,
boolean_null_optional_both?: WithDefault<boolean, null>,

// String props
string_required: string,
string_optional_key?: WithDefault<string, ">,
string_optional_both?: WithDefault<string, ">,

// String props, null default
string_null_optional_key?: WithDefault<string, null>,
string_null_optional_both?: WithDefault<string,
null>,

// Stringish props
stringish_required: Stringish,
stringish_optional_key?: WithDefault<Stringish, ">,
stringish_optional_both?: WithDefault<Stringish, ">,

// Stringish props, null default
stringish_null_optional_key?: WithDefault<Stringish, null>,
stringish_null_optional_both?: WithDefault<Stringish, null>,

// Double props
double_required: Double,
double_optional_key?: WithDefault<Double, 1.1>,
double_optional_both?: WithDefault<Double, 1.1>,

// Float props
float_required: Float,
float_optional_key?: WithDefault<Float, 1.1>,
float_optional_both?: WithDefault<Float, 1.1>,

// Float props, null default
float_null_optional_key?: WithDefault<Float, null>,
float_null_optional_both?: WithDefault<Float, null>,

// Int32 props
int32_required: Int32,
int32_optional_key?: WithDefault<Int32, 1>,

```

```

int32_optional_both?: WithDefault<Int32, 1>,

// String enum props
enum_optional_key?: WithDefault<'small' | 'large', 'small'>,
enum_optional_both?:
WithDefault<'small' | 'large', 'small'>,

// Int enum props
int_enum_optional_key?: WithDefault<0 | 1, 0>,

// Object props
object_optional_key?: $ReadOnly<{| prop: string }>,
object_optional_both?: ?$ReadOnly<{| prop: string }>,
object_optional_value: ?$ReadOnly<{| prop: string }>,

// ImageSource props
image_required: ImageSource,
image_optional_value: ?ImageSource,
image_optional_both?: ?ImageSource,

// ColorValue props
color_required: ColorValue,
color_optional_key?: ColorValue,
color_optional_value: ?ColorValue,
color_optional_both?: ?ColorValue,

// ColorArrayValue props
color_array_required: ColorArrayValue,
color_array_optional_key?: ColorArrayValue,
color_array_optional_value: ?ColorArrayValue,
color_array_optional_both?: ?ColorArrayValue,

// ProcessedColorValue props
processed_color_required: ProcessedColorValue,
processed_color_optional_key?: ProcessedColorValue,
processed_color_optional_value: ?ProcessedColorValue,
processed_color_optional_both?: ?ProcessedColorValue,

// PointValue props
point_required: PointValue,
point_optional_key?: PointValue,
point_optional_value: ?PointValue,
point_optional_both?: ?PointValue,

// EdgeInsets props
insets_required: EdgeInsetsValue,
insets_optional_key?: EdgeInsetsValue,
insets_optional_value: ?EdgeInsetsValue,

```



```

insets_optional_both?: ?EdgeInsetsValue,
|}>;

export default (codegenNativeComponent<ModuleProps, Options>(
 'Module',
): HostComponent<ModuleProps>);
`;

const ARRAY_PROP_TYPES_NO_EVENTS = `
/**
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {Int32, Double, Float, WithDefault} from 'CodegenTypes';
import type {ImageSource} from 'ImageSource';
import type
 {ColorValue, PointValue, ProcessColorValue, EdgeInsetsValue} from 'StyleSheetTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type ObjectType = $ReadOnly<{| prop: string |}>;
type ArrayObjectType = $ReadOnlyArray<$ReadOnly<{| prop: string |}>>;

type ModuleProps = $ReadOnly<{|
 ...ViewProps,

 // Props
 // Boolean props
 array_boolean_required: $ReadOnlyArray<boolean>,
 array_boolean_optional_key?: $ReadOnlyArray<boolean>,
 array_boolean_optional_value: ?$ReadOnlyArray<boolean>,
 array_boolean_optional_both?: ?$ReadOnlyArray<boolean>,

 // String props
 array_string_required: $ReadOnlyArray<string>,
 array_string_optional_key?: $ReadOnlyArray<string>,
 array_string_optional_value: ?$ReadOnlyArray<string>,
 array_string_optional_both?: ?$ReadOnlyArray<string>,

```

```

// Double props
array_double_required: $ReadOnlyArray<Double>,
array_double_optional_key?: $ReadOnlyArray<Double>,
array_double_optional_value: ?$ReadOnlyArray<Double>,
array_double_optional_both?: ?$ReadOnlyArray<Double>,

// Float props
array_float_required: $ReadOnlyArray<Float>,
array_float_optional_key?: $ReadOnlyArray<Float>,
array_float_optional_value: ?$ReadOnlyArray<Float>,
array_float_optional_both?: ?$ReadOnlyArray<Float>,

// Int32 props
array_int32_required: $ReadOnlyArray<Int32>,
array_int32_optional_key?: $ReadOnlyArray<Int32>,
array_int32_optional_value: ?$ReadOnlyArray<Int32>,
array_int32_optional_both?: ?$ReadOnlyArray<Int32>,

// String enum props
array_enum_optional_key?: WithDefault<
 $ReadOnlyArray<'small' | 'large'>,
 'small',
>,
array_enum_optional_both?: WithDefault<
 $ReadOnlyArray<'small' | 'large'>,
 'small',
>,

// ImageSource props
array_image_required: $ReadOnlyArray<ImageSource>,
array_image_optional_key?: $ReadOnlyArray<ImageSource>,
array_image_optional_value: ?$ReadOnlyArray<ImageSource>,
array_image_optional_both?: ?$ReadOnlyArray<ImageSource>,

// ColorValue props
array_color_required: $ReadOnlyArray<ColorValue>,
array_color_optional_key?: $ReadOnlyArray<ColorValue>,
array_color_optional_value: ?$ReadOnlyArray<ColorValue>,
array_color_optional_both?: ?$ReadOnlyArray<ColorValue>,

// PointValue props
array_point_required: $ReadOnlyArray<PointValue>,
array_point_optional_key?: $ReadOnlyArray<PointValue>,
array_point_optional_value: ?$ReadOnlyArray<PointValue>,
array_point_optional_both?: ?$ReadOnlyArray<PointValue>,

```

```

// EdgeInsetsValue props
array_insets_required: $ReadOnlyArray<EdgeInsetsValue>,
array_insets_optional_key?: $ReadOnlyArray<EdgeInsetsValue>,
array_insets_optional_value: ?$ReadOnlyArray<EdgeInsetsValue>,
array_insets_optional_both?: ?$ReadOnlyArray<EdgeInsetsValue>,

// Object props
array_object_required: $ReadOnlyArray<$ReadOnly<{| prop: string |}>>,
array_object_optional_key?: $ReadOnlyArray<$ReadOnly<{| prop: string |}>>,
array_object_optional_value: ?ArrayObjectType,
array_object_optional_both?:
?$ReadOnlyArray<ObjectType>,

// Nested array object types
array_of_array_object_required: $ReadOnlyArray<
 $ReadOnly<{|
 // This needs to be the same name as the top level array above
 array_object_required: $ReadOnlyArray<$ReadOnly<{| prop: string |}>>,
 |}>
>,
array_of_array_object_optional_key?: $ReadOnlyArray<
 $ReadOnly<{|
 // This needs to be the same name as the top level array above
 array_object_optional_key: $ReadOnlyArray<$ReadOnly<{| prop?: string |}>>,
 |}>
>,
array_of_array_object_optional_value: ?$ReadOnlyArray<
 $ReadOnly<{|
 // This needs to be the same name as the top level array above
 array_object_optional_value: $ReadOnlyArray<$ReadOnly<{| prop: ?string |}>>,
 |}>
>,
array_of_array_object_optional_both?: ?$ReadOnlyArray<
 $ReadOnly<{|
 // This needs to be the same name as the top level array above
 array_object_optional_both: $ReadOnlyArray<$ReadOnly<{| prop?: ?string
|}>>,
 |}>
>,

// Nested array of array of object types
array_of_array_of_array_object_required: $ReadOnlyArray<
 $ReadOnlyArray<
 $ReadOnly<{|
 prop: string,
 |}>,
 >,
>,

```

```

// Nested array of array of object types (in file)
array_of_array_of_object_required_in_file: $ReadOnlyArray<
 $ReadOnlyArray<ObjectType>,
>,

// Nested array of array of object types (with spread)
array_of_array_of_object_required_with_spread: $ReadOnlyArray<
 $ReadOnlyArray<{
 ...ObjectType
 }>,
>,
>,
[]>;

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): HostComponent<ModuleProps>);
`;

const OBJECT_PROP_TYPES_NO_EVENTS = `
/**
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import
 type {Int32, Double, Float, WithDefault} from 'CodegenTypes';
import type {ImageSource} from 'ImageSource';
import type {ColorValue, PointValue, EdgeInsetsValue} from 'StyleSheetTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type ModuleProps = $ReadOnly<{
 ...ViewProps,

 // Props
 // Boolean props

```

```

boolean_required: $ReadOnly<{|prop: boolean|}>,
boolean_optional: $ReadOnly<{|prop?: WithDefault<boolean, false>|}>,

// String props
string_required: $ReadOnly<{|prop: string|}>,
string_optional: $ReadOnly<{|prop?: WithDefault<string, ">|}>,

// Double props
double_required: $ReadOnly<{|prop: Double|}>,
double_optional: $ReadOnly<{|prop?: WithDefault<Double, 0.0>|}>,

// Float props
float_required: $ReadOnly<{|prop: Float|}>,
float_optional: $ReadOnly<{|prop?: WithDefault<Float, 0.0>|}>,

// Int32 props
int_required: $ReadOnly<{|prop: Int32|}>,
int_optional: $ReadOnly<{|prop?:
 WithDefault<Int32, 0>|}>,

// String enum props
enum_optional: $ReadOnly<{|
 prop?: WithDefault<$ReadOnlyArray<'small' | 'large'>, 'small'>,
|}>,

// ImageSource props
image_required: $ReadOnly<{|prop: ImageSource|}>,
image_optional_key: $ReadOnly<{|prop?: ImageSource|}>,
image_optional_value: $ReadOnly<{|prop: ?ImageSource|}>,
image_optional_both: $ReadOnly<{|prop?: ?ImageSource|}>,

// ColorValue props
color_required: $ReadOnly<{|prop: ColorValue|}>,
color_optional_key: $ReadOnly<{|prop?: ColorValue|}>,
color_optional_value: $ReadOnly<{|prop: ?ColorValue|}>,
color_optional_both: $ReadOnly<{|prop?: ?ColorValue|}>,

// ProcessedColorValue props
processed_color_required: $ReadOnly<{|prop: ProcessedColorValue|}>,
processed_color_optional_key: $ReadOnly<{|prop?: ProcessedColorValue|}>,
processed_color_optional_value: $ReadOnly<{|prop: ?ProcessedColorValue|}>,
processed_color_optional_both: $ReadOnly<{|prop?: ?ProcessedColorValue|}>,

// PointValue
props
point_required: $ReadOnly<{|prop: PointValue|}>,
point_optional_key: $ReadOnly<{|prop?: PointValue|}>,
point_optional_value: $ReadOnly<{|prop: ?PointValue|}>,

```

```

point_optional_both: $ReadOnly<{|prop?: ?PointValue|}>,

// EdgeInsetsValue props
insets_required: $ReadOnly<{|prop: EdgeInsetsValue|}>,
insets_optional_key: $ReadOnly<{|prop?: EdgeInsetsValue|}>,
insets_optional_value: $ReadOnly<{|prop: ?EdgeInsetsValue|}>,
insets_optional_both: $ReadOnly<{|prop?: ?EdgeInsetsValue|}>,

// Nested object props
object_required: $ReadOnly<{|prop: $ReadOnly<{nestedProp: string}>|}>,
object_optional_key?: $ReadOnly<{|prop: $ReadOnly<{nestedProp: string}>|}>,
object_optional_value: ?$ReadOnly<{|prop: $ReadOnly<{nestedProp: string}>|}>,
object_optional_both?: ?$ReadOnly<{|prop: $ReadOnly<{nestedProp: string}>|}>,
|}>;

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): HostComponent<ModuleProps>);
`;

const PROPS_ALIASED_LOCALLY = `
/**
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 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

const codegenNativeComponent = require('codegenNativeComponent');

type DeepSpread = $ReadOnly<{|
 otherStringProp: string,
|}>;

export type PropsInFile = $ReadOnly<{|
 ...DeepSpread,
 isEnabled: boolean,
 label: string,
|}>;

```

```

export type ModuleProps = $ReadOnly<{
 ...ViewProps,

 ...PropsInFile,

 localType: $ReadOnly<{
 ...PropsInFile
 }>,

 localArr: $ReadOnlyArray<PropsInFile>
}>;

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): HostComponent<ModuleProps>);
`;

const EVENTS_DEFINED_INLINE_WITH_ALL_TYPES = `
/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

import type {HostComponent} from 'react-native';
const codegenNativeComponent = require('codegenNativeComponent');

import type {
 Int32,
 Double,
 Float,
 BubblingEventHandler,
 DirectEventHandler,
} from 'CodegenTypes';

import type {ViewProps} from 'ViewPropTypes';

type ModuleProps = $ReadOnly<{
 ...ViewProps,
 // No Props

```

```

// Events
onDirectEventDefinedInline:
 DirectEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 >,

onDirectEventDefinedInlineOptionalKey?:
 DirectEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 >,

onDirectEventDefinedInlineOptionalValue: ?
 DirectEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 >,

onDirectEventDefinedInlineOptionalBoth?: ?
 DirectEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 >,

onDirectEventDefinedInlineWithPaperName?:
 ?
 DirectEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 'paperDirectEventDefinedInlineWithPaperName',
 >,

onBubblingEventDefinedInline:
 BubblingEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 >,

onBubblingEventDefinedInlineOptionalKey?:
 BubblingEventHandler<
 $ReadOnly<{|

```



```

 ${EVENT_DEFINITION}
 }>,
>,

onBubblingEventDefinedInlineOptionalValue: ?
 BubblingEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 >,

onBubblingEventDefinedInlineOptionalBoth?: ?
 BubblingEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 >,

onBubblingEventDefinedInlineWithPaperName?: ?
 BubblingEventHandler<
 $ReadOnly<{|
 ${EVENT_DEFINITION}
 }>,
 'paperBubblingEventDefinedInlineWithPaperName'
 >,
}>;

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): HostComponent<ModuleProps>);
`;

const
EVENTS_DEFINED_AS_NULL_INLINE = `
/**
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 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');
```

```

import type {BubblingEventHandler, DirectEventHandler} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

type ModuleProps = $ReadOnly<{|
 ...ViewProps,

 // No props

 // Events defined inline
 onDirectEventDefinedInlineNull: DirectEventHandler<null>,
 onDirectEventDefinedInlineNullOptionalKey?: DirectEventHandler<null>,
 onDirectEventDefinedInlineNullOptionalValue: ?DirectEventHandler<null>,
 onDirectEventDefinedInlineNullOptionalBoth?: DirectEventHandler<null>,
 onDirectEventDefinedInlineNullWithPaperName?: ?DirectEventHandler<
 null,
 'paperDirectEventDefinedInlineNullWithPaperName',
 >,

 onBubblingEventDefinedInlineNull: BubblingEventHandler<null>,
 onBubblingEventDefinedInlineNullOptionalKey?: BubblingEventHandler<null>,
 onBubblingEventDefinedInlineNullOptionalValue: ?BubblingEventHandler<null>,
 onBubblingEventDefinedInlineNullOptionalBoth?: ?BubblingEventHandler<null>,
 onBubblingEventDefinedInlineNullWithPaperName?: ?BubblingEventHandler<
 null,
 'paperBubblingEventDefinedInlineNullWithPaperName',
 >,
|}>;

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): HostComponent<ModuleProps>);
`;

const PROPS_AND_EVENTS_TYPES_EXPORTED = `
/**
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 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

import type {

```

```

 BubblingEventHandler,
 DirectEventHandler,
 } from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import
 type {HostComponent} from 'react-native';

const codegenNativeComponent = require('codegenNativeComponent');

export type EventInFile = $ReadOnly<{
 ${EVENT_DEFINITION}
}>;

export type ModuleProps = $ReadOnly<{
 ...ViewProps,

 // No props

 // Events defined inline
 onBubblingEventDefinedInline: BubblingEventHandler<EventInFile>,
 onBubblingEventDefinedInlineWithPaperName: BubblingEventHandler<EventInFile,
'paperBubblingEventDefinedInlineWithPaperName'>,
 onDirectEventDefinedInline: DirectEventHandler<EventInFile>,
 onDirectEventDefinedInlineWithPaperName: DirectEventHandler<EventInFile,
'paperDirectEventDefinedInlineWithPaperName'>,
}>;

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): HostComponent<ModuleProps>);
`;

const PROPS_AS_EXTERNAL_TYPES = `
/**
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 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

const codegenNativeComponent = require('codegenNativeComponent');

import type {HostComponent} from 'react-native';

```

```

export type String = string;
export type AnotherArray = $ReadOnlyArray<String>;

export type ModuleProps = $ReadOnly<{
 disable: String,
 array: AnotherArray,
}>;

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): HostComponent<ModuleProps>);
`;

const COMMANDS_DEFINED_WITH_ALL_TYPES = `
/**
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

const codegenNativeCommands = require('codegenNativeCommands');
const codegenNativeComponent = require('codegenNativeComponent');

import type {Int32, Double, Float} from 'CodegenTypes';
import type {RootTag} from 'RCTExport';
import type {ViewProps} from 'ViewPropTypes';
import
 type {HostComponent} from 'react-native';

export type ModuleProps = $ReadOnly<{
 ...ViewProps,
 // No props or events
}>;

type NativeType = HostComponent<ModuleProps>;

interface NativeCommands {
 +handleRootTag: (viewRef: React.ElementRef<NativeType>, rootTag: RootTag) => void;
 +spotUpdate: (viewRef: React.ElementRef<NativeType>, x: Int32, y: Int32) => void;
 +scrollTo: (

```

```

 viewRef: React.ElementRef<NativeType>,
 x: Float,
 y: Int32,
 z: Double,
 animated: boolean,
) => void;
}

export const Commands = codegenNativeCommands<NativeCommands>({
 supportedCommands: ['handleRootTag', 'hotspotUpdate', 'scrollTo'],
});

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): NativeType);
`;

const COMMANDS_WITH_EXTERNAL_TYPES = `
/**
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 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

const codegenNativeCommands = require('codegenNativeCommands');
const codegenNativeComponent = require('codegenNativeComponent');

import type {Int32} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

export type Boolean = boolean;
export type Int = Int32;
export type Void = void;

export type ModuleProps = $ReadOnly<{
 ...ViewProps,
 // No props or events
}>;

type NativeType = HostComponent<ModuleProps>;

```

```

export type ScrollTo = (
 viewRef: React.ElementRef<NativeType>,
 y: Int,
 animated: Boolean,
) => Void;

interface NativeCommands {
 +scrollTo: ScrollTo;
}

export const Commands = codegenNativeCommands<NativeCommands>({
 supportedCommands: ['scrollTo'],
});

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): NativeType);
`;

const COMMANDS_AND_EVENTS_TYPES_EXPORTED = `
/**
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 * the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 * @format
 * @flow strict-local
 */

'use strict';

import type {
 BubblingEventHandler,
 DirectEventHandler,
} from 'CodegenTypes';
import type {ViewProps} from 'ViewPropTypes';
import type {HostComponent} from 'react-native';

const codegenNativeComponent = require('codegenNativeComponent');

export type EventInFile = $ReadOnly<{
 ${EVENT_DEFINITION}
}>;

export type Boolean = boolean;
export type Int = Int32;

```

```

export type Void = void;

export type ModuleProps = $ReadOnly<{
 ...ViewProps,

 // No props

 // Events defined inline
 onBubblingEventDefinedInline: BubblingEventHandler<EventInFile>,
 onBubblingEventDefinedInlineWithPaperName: BubblingEventHandler<EventInFile,
'paperBubblingEventDefinedInlineWithPaperName'>,
 onDirectEventDefinedInline: DirectEventHandler<EventInFile>,
 onDirectEventDefinedInlineWithPaperName: DirectEventHandler<EventInFile,
'paperDirectEventDefinedInlineWithPaperName'>,
}>;

type
NativeType = HostComponent<ModuleProps>;

export type ScrollTo = (viewRef: React.ElementRef<NativeType>, y: Int, animated: Boolean) => Void;

interface NativeCommands {
 +scrollTo: ScrollTo;
}

export const Commands = codegenNativeCommands<NativeCommands>({
 supportedCommands: ['scrollTo']
});

export default (codegenNativeComponent<ModuleProps>(
 'Module',
): NativeType);
`;

module.exports = {
 ALL_PROP_TYPES_NO_EVENTS,
 ARRAY_PROP_TYPES_NO_EVENTS,
 OBJECT_PROP_TYPES_NO_EVENTS,
 PROPS_ALIASED_LOCALLY,
 ONE_OF_EACH_PROP_EVENT_DEFAULT_AND_OPTIONS,
 ONE_OF_EACH_PROP_EVENT_DEFAULT_AND_OPTIONS_NO_CAST,
 NO_PROPS_EVENTS_ONLY_DEPRECATED_VIEW_CONFIG_NAME_OPTION,
 EVENTS_DEFINED_INLINE_WITH_ALL_TYPES,
 EVENTS_DEFINED_AS_NULL_INLINE,
 PROPS_AND_EVENTS_TYPES_EXPORTED,
 COMMANDS_AND_EVENTS_TYPES_EXPORTED,
 COMMANDS_DEFINED_WITH_ALL_TYPES,
 PROPS_AS_EXTERNAL_TYPES,

```

```
COMMANDS_WITH_EXTERNAL_TYPES,
};
```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/\_\_\_test\_fixtures\_\_\_/fixtures.js.flow

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 *
 */
```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/schema.js  
\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/schema.js  
\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/schema.js  
\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/schema.js

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 * @format
 */
```

'use strict';

```
import type {
 ReservedPropTypeAnnotation,
 NamedShape,
 ObjectTypeAnnotation,
 BooleanTypeAnnotation,
 StringTypeAnnotation,
 DoubleTypeAnnotation,
 FloatTypeAnnotation,
 Int32TypeAnnotation,
 PropTypeAnnotation,
} from '../..../CodegenSchema';
```



```

const {capitalize} = require('../Utils');

export type Pojo = {
 name: string,
 namespace: string,
 properties: $ReadOnlyArray<PojoProperty>,
};

export type PojoProperty = NamedShape<PojoTypeAnnotation>;

export type PojoTypeAliasAnnotation = {
 type: 'PojoTypeAliasTypeAnnotation',
 name: string,
};

export type PojoTypeAnnotation =
| $ReadOnly<{
 type: 'BooleanTypeAnnotation',
 default: boolean | null,
}>
| $ReadOnly<{
 type: 'StringTypeAnnotation',
 default: string | null,
}>
| $ReadOnly<{
 type: 'DoubleTypeAnnotation',
 default: number,
}>
| $ReadOnly<{
 type: 'FloatTypeAnnotation',
 default: number | null,
}>
| $ReadOnly<{
 type: 'Int32TypeAnnotation',
 default: number,
}>
| $ReadOnly<{
 type: 'StringEnumTypeAnnotation',
 default: string,
 options: $ReadOnlyArray<string>,
}>
| $ReadOnly<{
 type: 'Int32EnumTypeAnnotation',
 default: number,
 options: $ReadOnlyArray<number>,
}>
| ReservedPropTypeAnnotation
| PojoTypeAliasAnnotation

```

```

| $ReadOnly<{
 type: 'ArrayTypeAnnotation',
 elementType:
 | BooleanTypeAnnotation
 | StringTypeAnnotation
 | DoubleTypeAnnotation
 | FloatTypeAnnotation
 | Int32TypeAnnotation
 | $ReadOnly<{
 type: 'StringEnumTypeAnnotation',
 default: string,
 options: $ReadOnlyArray<string>,
 }>
 | PojoTypeAliasAnnotation
 | ReservedPropTypeAnnotation
 | $ReadOnly<{
 type: 'ArrayTypeAnnotation',
 elementType: PojoTypeAliasAnnotation,
 }>,
}>;

```

```

class PojoCollector {
 _pojos: Map<string, Pojo> = new Map();
 process(
 namespace: string,
 pojoName: string,
 typeAnnotation: PropTypeAnnotation,
): PojoTypeAnnotation {
 switch (typeAnnotation.type) {
 case 'ObjectTypeAnnotation': {
 this._insertPojo(namespace, pojoName, typeAnnotation);
 return {
 type: 'PojoTypeAliasTypeAnnotation',
 name: pojoName,
 };
 }
 case 'ArrayTypeAnnotation': {
 const arrayTypeAnnotation = typeAnnotation;
 // TODO: Flow assumes elementType can be any. Fix this.
 const elementType: $PropertyType<
 typeof arrayTypeAnnotation,
 'elementType',
 > = arrayTypeAnnotation.elementType;

 const pojoElementType = ()
 => {
 switch (elementType.type) {
 case 'ObjectTypeAnnotation': {

```

```

 this._insertPojo(namespace, `${pojoName}Element`, elementType);
 return {
 type: 'PojoTypeAliasTypeAnnotation',
 name: `${pojoName}Element`,
 };
 }
 case 'ArrayTypeAnnotation': {
 const {elementType: objectTypeAnnotation} = elementType;
 this._insertPojo(
 namespace,
 `${pojoName}ElementElement`,
 objectTypeAnnotation,
);
 return {
 type: 'ArrayTypeAnnotation',
 elementType: {
 type: 'PojoTypeAliasTypeAnnotation',
 name: `${pojoName}ElementElement`,
 },
 };
 }
 default: {
 return elementType;
 }
}
})()};

return {
 type: 'ArrayTypeAnnotation',
 elementType: pojoElementType,
};
}
default:
 return typeAnnotation;
}
}

_insertPojo(
 namespace: string,
 pojoName: string,
 objectTypeAnnotation: ObjectTypeAnnotation<PropTypeAnnotation>,
) {
 const properties = objectTypeAnnotation.properties.map(property => {
 const propertyPojoName = pojoName + capitalize(property.name);

 return {
 ...property,
 typeAnnotation: this.process(

```

```

 namespace,
 propertyPojoName,
 property.typeAnnotation,
),
};
});

this._pojos.set(pojoName, {
 name: pojoName,
 namespace,
 properties,
});
}

getAllPojos(): $ReadOnlyArray<Pojo> {
 return [...this._pojos.values()];
}
}

module.exports = PojoCollector;

Found in path(s):
* /react-native-codegen-0-70-6-
tgz/package/lib/generators/components/GeneratePropsJavaPojo/PojoCollector.js.flow
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 *
 * @flow strict
 * @format
 */

'use strict';

import type {
 NativeModuleTypeAnnotation,
 Nullable,
} from '.././CodegenSchema.js';

function unwrapNullable<+T: NativeModuleTypeAnnotation>(
 x: Nullable<T>,
): [T, boolean] {
 if (x.type === 'NullableTypeAnnotation') {
 return [x.typeAnnotation, true];
 }

```

```

 }

 return [x, false];
 }

function wrapNullable<+T: NativeModuleTypeAnnotation>(
 nullable: boolean,
 typeAnnotation: T,
): Nullable<T> {
 if (!nullable) {
 return typeAnnotation;
 }

 return {
 type: 'NullableTypeAnnotation',
 typeAnnotation,
 };
}

module.exports = {
 unwrapNullable,
 wrapNullable,
};

Found in path(s):
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/utils.js.flow
*
 /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/utils.js.flow
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 *
 * @emails oncall+react_native
 * @flow strict-local
 * @format
 */

'use strict';

const parseFiles = require('./parser.js');

const [...fileList] = process.argv.slice(2);

parseFiles(fileList);

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/cli/parser/parser-cli.js.flow

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\* @flow strict

\* @format

\*/

Found in path(s):

\* /react-native-codegen-0-70-6-

tgz/package/lib/generators/components/GenerateThirdPartyFabricComponentsProviderH.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaInterface.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaPojo/index.js.flow

\* /react-native-codegen-0-70-6-

tgz/package/lib/generators/modules/GenerateModuleObjCpp/header/serializeRegularStruct.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaPojo/serializePojo.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleObjCpp/index.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleCpp.js.flow

\*

/react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleJniCpp.js.flow

\* /react-native-codegen-0-70-6-

tgz/package/lib/generators/modules/GenerateModuleObjCpp/header/serializeStruct.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateTests.js.flow

\* /react-native-codegen-0-70-6-

tgz/package/lib/generators/modules/GenerateModuleObjCpp/source/serializeModule.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/JavaHelpers.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/CppHelpers.js.flow

\* /react-native-codegen-0-70-6-

tgz/package/lib/generators/modules/GenerateModuleObjCpp/serializeMethod.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleJavaSpec.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleObjCpp/Utils.js.flow

\* /react-native-codegen-0-70-6-

tgz/package/lib/generators/components/GenerateThirdPartyFabricComponentsProviderObjCpp.js.flow

\*

/react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleObjCpp/StructCollector.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaDelegate.js.flow

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```

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*
* @flow strict-local
* @format
*/

'use strict';

class ParserError extends Error {
 nodes: $ReadOnlyArray<$FlowFixMe>;
 constructor(
 hasteModuleName: string,
 astNodeOrNodes: $FlowFixMe,
 message: string,
) {
 super(`Module ${hasteModuleName}: ${message}`);

 this.nodes = Array.isArray(astNodeOrNodes)
 ? astNodeOrNodes
 : [astNodeOrNodes];

 // assign the error class name in your custom error (as a shortcut)
 this.name = this.constructor.name;

 // capturing the stack trace keeps the reference to your error class
 Error.captureStackTrace(this, this.constructor);
 }
}

module.exports = {
 ParserError,
};

Found in path(s):
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/errors.js.flow
*
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/errors.js.flow
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*
* @flow strict
* @format

```

```

*/

'use strict';

const {getSafePropertyName, getNamespacedStructName} = require('../Utils');
const {capitalize} = require('../Utils');

import type {Nullable} from '../../CodegenSchema';
import type {StructTypeAnnotation, ConstantsStruct} from '../StructCollector';
import type {StructSerilizationOutput} from './serializeStruct';

const {unwrapNullable} = require('../../parsers/flow/modules/utlis');

const StructTemplate = ({
 hasteModuleName,
 structName,
 builderInputProps,
}: $ReadOnly<{
 hasteModuleName: string,
 structName: string,
 builderInputProps: string,
}>) => `namespace JS {
 namespace ${hasteModuleName} {
 struct ${structName} {

 struct Builder {
 struct
 Input {
 ${builderInputProps}
 };

 /** Initialize with a set of values */
 Builder(const Input i);
 /** Initialize with an existing ${structName} */
 Builder(${structName} i);
 /** Builds the object. Generally used only by the infrastructure. */
 NSDictionary *buildUnsafeRawValue() const { return _factory(); };
 private:
 NSDictionary *(^_factory)(void);
 };

 static ${structName} fromUnsafeRawValue(NSDictionary *const v) { return {v}; }
 NSDictionary *unsafeRawValue() const { return _v; }
 private:
 ${structName}(NSDictionary *const v) : _v(v) {}
 NSDictionary *_v;
 };
}

```



```

}`;

const MethodTemplate = ({
 hasteModuleName,
 structName,
 properties,
}: $ReadOnly<{
 hasteModuleName: string,
 structName: string,
 properties: string,
}>) => `inline JS::${hasteModuleName}::${structName}::Builder::Builder(const Input i) : _factory(^{
 NSMutableDictionary *d = [NSMutableDictionary
 new];
 ${properties}
 return d;
}) {}
inline JS::${hasteModuleName}::${structName}::Builder::Builder(${structName} i) : _factory(^{
 return i.unsafeRawValue();
}) {}`;

```

```

function toObjCType(
 hasteModuleName: string,
 nullableTypeAnnotation: Nullable<StructTypeAnnotation>,
 isOptional: boolean = false,
): string {
 const [typeAnnotation, nullable] = unwrapNullable(nullableTypeAnnotation);
 const isRequired = !nullable && !isOptional;
 const wrapOptional = (type: string) => {
 return isRequired ? type : `std::optional<${type}>`;
 };

```

```

switch (typeAnnotation.type) {
 case 'ReservedTypeAnnotation':
 switch (typeAnnotation.name) {
 case 'RootTag':
 return wrapOptional('double');
 default:
 (typeAnnotation.name: empty);
 throw new Error(`Unknown prop type, found: ${typeAnnotation.name}`);
 }
 case 'StringTypeAnnotation':
 return 'NSString *';
 case 'NumberTypeAnnotation':
 return wrapOptional('double');
 case
'FloatTypeAnnotation':
 return wrapOptional('double');
 case 'Int32TypeAnnotation':

```

```

 return wrapOptional('double');
case 'DoubleTypeAnnotation':
 return wrapOptional('double');
case 'BooleanTypeAnnotation':
 return wrapOptional('bool');
case 'GenericObjectTypeAnnotation':
 return isRequired ? 'id<NSObject> ' : 'id<NSObject> _Nullable ';
case 'ArrayTypeAnnotation':
 if (typeAnnotation.elementType == null) {
 return isRequired ? 'id<NSObject> ' : 'id<NSObject> _Nullable ';
 }

 return wrapOptional(
 `std::vector<${toObjCType(
 hasteModuleName,
 typeAnnotation.elementType,
)}>`,
);
case 'TypeAliasTypeAnnotation':
 const structName = capitalize(typeAnnotation.name);
 const namespacedStructName = getNamespacedStructName(
 hasteModuleName,
 structName,
);
 return wrapOptional(`${namespacedStructName}::Builder`);
default:
 (typeAnnotation.type:
empty);
 throw new Error(
 `Couldn't convert into ObjC type: ${typeAnnotation.type}`,
);
}
}

function toObjCValue(
 hasteModuleName: string,
 nullableTypeAnnotation: Nullable<StructTypeAnnotation>,
 value: string,
 depth: number,
 isOptional: boolean = false,
): string {
 const [typeAnnotation, nullable] = unwrapNullable(nullableTypeAnnotation);
 const isRequired = !nullable && !isOptional;

 function wrapPrimitive(type: string) {
 return !isRequired
 ? `${value}.has_value() ? @((${type})${value}.value()) : nil`
 : `@((${value})`;

```

```

}

switch (typeAnnotation.type) {
case 'ReservedTypeAnnotation':
 switch (typeAnnotation.name) {
 case 'RootTag':
 return wrapPrimitive('double');
 default:
 (typeAnnotation.name: empty);
 throw new Error(
 `Couldn't convert into ObjC type: ${typeAnnotation.type}`
);
 }
case 'StringTypeAnnotation':
 return value;
case
'NumberTypeAnnotation':
 return wrapPrimitive('double');
case 'FloatTypeAnnotation':
 return wrapPrimitive('double');
case 'Int32TypeAnnotation':
 return wrapPrimitive('double');
case 'DoubleTypeAnnotation':
 return wrapPrimitive('double');
case 'BooleanTypeAnnotation':
 return wrapPrimitive('BOOL');
case 'GenericObjectTypeAnnotation':
 return value;
case 'ArrayTypeAnnotation':
 const {elementType} = typeAnnotation;
 if (elementType == null) {
 return value;
 }

 const localVarName = `el${'.'.repeat(depth + 1)}`;
 const elementObjCType = toObjCType(hasteModuleName, elementType);
 const elementObjCValue = toObjCValue(
 hasteModuleName,
 elementType,
 localVarName,
 depth + 1,
);

 const RCTConvertVecToArray = (transformer: string) => {
 return `RCTConvert${
 !isRequired ? 'Optional' : ''
 }VecToArray(${value}, ${transformer})`;
 };
};

```

```

 return RCTConvertVecToArray(
 `^id(${elementObjCType} ${localVarName}) { return ${elementObjCValue}; }`,
);
 case 'TypeAliasTypeAnnotation':
 return !isRequired
 ? `${value}.has_value() ? ${value}.value().buildUnsafeRawValue() : nil`
 : `${value}.buildUnsafeRawValue()`;
 default:
 (typeAnnotation.type: empty);
 throw new Error(
 `Couldn't convert into ObjC value: ${typeAnnotation.type}`,
);
}
}

```

```

function serializeConstantsStruct(
 hasteModuleName: string,
 struct: ConstantsStruct,
): StructSerilizationOutput {
 const declaration = StructTemplate({
 hasteModuleName,
 structName: struct.name,
 builderInputProps: struct.properties
 .map(property => {
 const {typeAnnotation, optional} = property;
 const safePropName = getSafePropertyName(property);
 const objcType = toObjCType(hasteModuleName, typeAnnotation, optional);

 if (!optional) {
 return `RCTRequired<${objcType}>
${safePropName};`;
 }

 const space = ' '.repeat(objcType.endsWith('*') ? 0 : 1);
 return `${objcType}${space}${safePropName};`;
 })
 .join("\n "),
 });
}

```

```

const methods = MethodTemplate({
 hasteModuleName,
 structName: struct.name,
 properties: struct.properties
 .map(property => {
 const {typeAnnotation, optional, name: propName} = property;
 const safePropName = getSafePropertyName(property);
 const objcValue = toObjCValue(

```

```

 hasteModuleName,
 typeAnnotation,
 safePropName,
 0,
 optional,
);

 let varDecl = `auto ${safePropName} = i.${safePropName}`;
 if (!optional) {
 varDecl += '.get()';
 }

 const assignment = `d["@${propName}"] = ` + objCValue;
 return `${varDecl};\n ${assignment};`;
})
.join("\n"),
});

return {declaration, methods};
}

module.exports = {
 serializeConstantsStruct,
};

```

Found

in path(s):

\* /react-native-codegen-0-70-6-

tgz/package/lib/generators/modules/GenerateModuleObjCpp/header/serializeConstantsStruct.js.flow

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\* /react-native-codegen-0-70-6-

tgz/package/lib/generators/modules/GenerateModuleObjCpp/header/serializeRegularStruct.js

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/index.js

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/extends.js

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/props.js

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/CppHelpers.js

- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/errors.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/index.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/cli/parser/parser.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/SchemaValidator.js
- \*
- /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleH.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/\_\_test\_fixtures\_\_/failures.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/\_\_test\_fixtures\_\_/fixtures.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/JavaHelpers.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/RNCodegen.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateTests.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateShadowNodeCpp.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/events.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/\_\_test\_fixtures\_\_/fixtures.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/index.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/\_\_test\_fixtures\_\_/failures.js
- \*
- /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsH.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/\_\_test\_fixtures\_\_/failures.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/index.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsCpp.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/Utils.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/errors.js
- \* /react-native-codegen-0-70-6-
- tgz/package/lib/generators/modules/GenerateModuleObjCpp/source/serializeModule.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/Utils.js
- \* /react-native-codegen-0-70-6-
- tgz/package/lib/generators/components/GenerateThirdPartyFabricComponentsProviderH.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaPojo/index.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateEventEmitterH.js
- \*
- /react-native-codegen-0-70-6-tgz/package/lib/cli/combine/combine-js-to-schema.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/\_\_test\_fixtures\_\_/fixtures.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateEventEmitterCpp.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/errors.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/options.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleJniCpp.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleCpp.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/\_\_test\_fixtures\_\_/fixtures.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/events.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/errors.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/Utils.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/index.js
- \*
- /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleObjCpp/serializeMethod.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/\_\_test\_fixtures\_\_/failures.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/CodegenSchema.js
- \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateComponentDescriptorH.js

```

* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/index.js
* /react-native-codegen-0-70-6-
tgz/package/lib/generators/modules/GenerateModuleObjCpp/header/serializeStruct.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/__test_fixtures__/fixtures.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleJniH.js
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/commands.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaDelegate.js
* /react-native-codegen-0-70-6-
tgz/package/lib/generators/components/GenerateThirdPartyFabricComponentsProviderObjCpp.js
*
/ react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/modules/Utils.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleObjCpp/index.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateShadowNodeH.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/Utils.js
* /react-native-codegen-0-70-6-tgz/package/lib/cli/generators/generate-all.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaPojo/serializePojo.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleObjCpp/StructCollector.js
* /react-native-codegen-0-70-6-
tgz/package/lib/generators/modules/GenerateModuleObjCpp/header/serializeConstantsStruct.js
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/__test_fixtures__/fixtures.js
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/schema/index.js
*
/ react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/extends.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateViewConfigJs.js
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/props.js
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/options.js
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/commands.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateComponentHObjCpp.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaPojo/PojoCollector.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleJavaSpec.js
* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleObjCpp/Utils.js
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/__test_fixtures__/fixtures.js
* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/Utils.js
*
/ react-native-codegen-0-70-6-tgz/package/lib/generators/components/GeneratePropsJavaInterface.js
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```

* /react-native-codegen-0-70-6-tgz/package/lib/cli/parser/parser.sh
* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/GenerateModuleJniH.js.flow

```

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\*

```

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*
* @flow strict-local
* @format
*/

'use strict';

const invariant = require('invariant');
const { ParserError } = require('../errors');

class MisnamedModuleTypeScriptInterfaceParserError extends ParserError {
 constructor(hasteModuleName: string, id: $FlowFixMe) {
 super(
 hasteModuleName,
 id,
 `All TypeScript interfaces extending TurboModule must be called 'Spec'. Please rename TypeScript interface
'${id.name}' to 'Spec'.`,
);
 }
}

class ModuleTypeScriptInterfaceNotFoundParserError extends ParserError {
 constructor(hasteModuleName: string, ast: $FlowFixMe) {
 super(
 hasteModuleName,
 ast,
 'No TypeScript interfaces extending TurboModule were detected in this NativeModule spec.',
);
 }
}

class MoreThanOneModuleTypeScriptInterfaceParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowModuleInterfaces: $ReadOnlyArray<$FlowFixMe>,
 names: $ReadOnlyArray<string>,
) {
 const finalName = names[names.length - 1];
 const allButLastName = names.slice(0, -1);
 const quote = (x: string) => `${x}`;

 const nameStr =
 allButLastName.map(quote).join(', ') + ', and ' + quote(finalName);

 super(

```



```

 hasteModuleName,
 flowModuleInterfaces,
 `Every NativeModule spec file must declare exactly one NativeModule TypeScript interface. This file declares
 ${names.length}: ${nameStr}. Please remove the extraneous TypeScript interface declarations.`
);
}
}

```

```

class UnsupportedModulePropertyParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 propertyValue: $FlowFixMe,
 propertyName: string,
 invalidPropertyValueType: string,
) {
 super(
 hasteModuleName,
 propertyValue,
 `TypeScript interfaces extending TurboModule must only contain 'FunctionTypeAnnotation's. Property
 '${propertyName}' refers to a '${invalidPropertyValueType}'.`,
);
 }
}

```

```

class UnsupportedTypeScriptTypeAnnotationParserError extends ParserError {
 +typeAnnotationType: string;
 constructor(hasteModuleName: string, typeAnnotation: $FlowFixMe) {
 super(
 hasteModuleName,
 typeAnnotation,
 `TypeScript type annotation '${typeAnnotation.type}' is unsupported in NativeModule specs.`,
);

 this.typeAnnotationType = typeAnnotation.type;
 }
}

```

```

class UnsupportedTypeScriptGenericParserError extends ParserError {
 +genericName: string;
 constructor(hasteModuleName: string, genericTypeAnnotation: $FlowFixMe) {
 const genericName = genericTypeAnnotation.typeName.name;
 super(
 hasteModuleName,
 genericTypeAnnotation,
 `Unrecognized generic type '${genericName}' in NativeModule spec.`,
);

 this.genericName = genericName;
 }
}

```

```

 }
}

class IncorrectlyParameterizedTypeScriptGenericParserError extends ParserError {
+genericName: string;
+numTypeParameters: number;

constructor(hasteModuleName: string, genericTypeAnnotation: $FlowFixMe) {
 if (genericTypeAnnotation.typeParameters == null) {
 super(
 hasteModuleName,
 genericTypeAnnotation,
 `Generic '${genericTypeAnnotation.typeName.name}' must have type parameters.`,
);
 return;
 }

 if (
 genericTypeAnnotation.typeParameters.type ===
 'TypeParameterInstantiation' &&
 genericTypeAnnotation.typeParameters.params.length !== 1
) {
 super(
 hasteModuleName,
 genericTypeAnnotation.typeParameters,
 `Generic '${genericTypeAnnotation.typeName.name}' must have exactly one type parameter.`,
);
 return;
 }

 invariant(
 false,
 "Couldn't create IncorrectlyParameterizedFlowGenericParserError",
);
}
}

/**
 * Array parsing errors
 */

```

```

class UnsupportedArrayElementTypeAnnotationParserError
extends ParserError {
constructor(
 hasteModuleName: string,
 arrayElementTypeAST: $FlowFixMe,
 arrayType: 'Array' | 'ReadonlyArray',
 invalidArrayElementType: string,

```

```

) {
 super(
 hasteModuleName,
 arrayElementTypeAST,
 `${arrayType} element types cannot be '${invalidArrayType}'.`,
);
 }
 }

/**
 * Object parsing errors
 */

class UnsupportedObjectPropertyTypeAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 propertyAST: $FlowFixMe,
 invalidPropertyType: string,
) {
 let message = `ObjectTypeAnnotation' cannot contain '${invalidPropertyType}'.`;

 super(hasteModuleName, propertyAST, message);
 }
}

class UnsupportedObjectPropertyValueAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 propertyValueAST: $FlowFixMe,
 propertyName: string,
 invalidPropertyValue: string,
) {
 super(

 hasteModuleName,
 propertyValueAST,
 `Object property '${propertyName}' cannot have type '${invalidPropertyValue}'.`,
);
 }
}

/**
 * Function parsing errors
 */

class UnnamedFunctionParamParserError extends ParserError {
 constructor(functionParam: $FlowFixMe, hasteModuleName: string) {
 super(

```

```

 hasteModuleName,
 functionParam,
 'All function parameters must be named.',
);
}
}

class UnsupportedFunctionParamTypeAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowParamTypeAnnotation: $FlowFixMe,
 paramName: string,
 invalidParamType: string,
) {
 super(
 hasteModuleName,
 flowParamTypeAnnotation,
 `Function parameter '${paramName}' cannot have type '${invalidParamType}'.`,
);
 }
}

class UnsupportedFunctionReturnTypeAnnotationParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowReturnTypeAnnotation: $FlowFixMe,
 invalidReturnType:
string,
) {
 super(
 hasteModuleName,
 flowReturnTypeAnnotation,
 `Function return cannot have type '${invalidReturnType}'.`,
);
 }
}

class UnusedModuleTypeScriptInterfaceParserError extends ParserError {
 constructor(hasteModuleName: string, flowInterface: $FlowFixMe) {
 super(
 hasteModuleName,
 flowInterface,
 "Unused NativeModule spec. Please load the NativeModule by calling
TurboModuleRegistry.get<Spec>('<moduleName>').",
);
 }
}

```

```

class MoreThanOneModuleRegistryCallsParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowCallExpressions: $FlowFixMe,
 numCalls: number,
) {
 super(
 hasteModuleName,
 flowCallExpressions,
 `Every NativeModule spec file must contain exactly one NativeModule load. This file contains ${numCalls}. Please simplify this spec file, splitting it as necessary, to remove the extraneous loads.`
);
 }
}

```

```

class UntypedModuleRegistryCallParserError extends
 ParserError {
 constructor(
 hasteModuleName: string,
 flowCallExpression: $FlowFixMe,
 methodName: string,
 moduleName: string,
) {
 super(
 hasteModuleName,
 flowCallExpression,
 `Please type this NativeModule load: TurboModuleRegistry.${methodName}<Spec>('${moduleName}').`,
);
 }
}

```

```

class IncorrectModuleRegistryCallTypeParameterParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowTypeArguments: $FlowFixMe,
 methodName: string,
 moduleName: string,
) {
 super(
 hasteModuleName,
 flowTypeArguments,
 `Please change these type arguments to reflect TurboModuleRegistry.${methodName}<Spec>('${moduleName}').`,
);
 }
}

```

```

class IncorrectModuleRegistryCallArityParserError extends ParserError {

```

```

constructor(
 hasteModuleName: string,
 flowCallExpression: $FlowFixMe,
 methodName: string,
 incorrectArity: number,
) {
 super(
 hasteModuleName,
 flowCallExpression,

 `Please call TurboModuleRegistry.${methodName}<Spec>() with exactly one argument. Detected
 ${incorrectArity}.`,
);
}
}

class IncorrectModuleRegistryCallArgumentTypeParserError extends ParserError {
 constructor(
 hasteModuleName: string,
 flowArgument: $FlowFixMe,
 methodName: string,
 type: string,
) {
 const a = /[aeiouy]/.test(type.toLowerCase()) ? 'an' : 'a';
 super(
 hasteModuleName,
 flowArgument,
 `Please call TurboModuleRegistry.${methodName}<Spec>() with a string literal. Detected ${a} '${type}'`,
);
 }
}

module.exports = {
 IncorrectlyParameterizedTypeScriptGenericParserError,
 MisnamedModuleTypeScriptInterfaceParserError,
 ModuleTypeScriptInterfaceNotFoundParserError,
 MoreThanOneModuleTypeScriptInterfaceParserError,
 UnnamedFunctionParamParserError,
 UnsupportedArrayElementTypeAnnotationParserError,
 UnsupportedTypeScriptGenericParserError,
 UnsupportedTypeScriptTypeAnnotationParserError,
 UnsupportedFunctionParamTypeAnnotationParserError,
 UnsupportedFunctionReturnTypeAnnotationParserError,
 UnsupportedModulePropertyParserError,
 UnsupportedObjectPropertyTypeAnnotationParserError,
 UnsupportedObjectPropertyValueAnnotationParserError,
 UnusedModuleTypeScriptInterfaceParserError,
 MoreThanOneModuleRegistryCallsParserError,

```

```
UntypedModuleRegistryCallParserError,
IncorrectModuleRegistryCallTypeParameterParserError,
IncorrectModuleRegistryCallArityParserError,
IncorrectModuleRegistryCallArgumentTypeParserError,
};
```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/modules/errors.js.flow

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 *
 * @format
 * @flow strict-local
 */
```

```
'use strict';
```

```
import type {
 EventTypeShape,
 NamedShape,
 CommandTypeAnnotation,
 PropTypeAnnotation,
 ExtendsPropsShape,
 SchemaType,
 OptionsShape,
} from '../../../../CodegenSchema.js';
```

```
export type ComponentSchemaBuilderConfig = $ReadOnly<{
 filename: string,
 componentName: string,
 extendsProps: $ReadOnlyArray<ExtendsPropsShape>,
 events: $ReadOnlyArray<EventTypeShape>,
 props: $ReadOnlyArray<NamedShape<PropTypeAnnotation>>,
 commands: $ReadOnlyArray<NamedShape<CommandTypeAnnotation>>,
 options?: ?OptionsShape,
}>;
```

```
function wrapComponentSchema({
 filename,
 componentName,
 extendsProps,
 events,
 props,
```

```

options,
commands,
}: ComponentSchemaBuilderConfig): SchemaType
{
return {
modules: {
[filename]: {
type: 'Component',
components: {
[componentName]: {
...(options || {}),
extendsProps,
events,
props,
commands,
},
},
},
},
};
}

```

```

module.exports = {
wrapComponentSchema,
};

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/schema.js.flow

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/schema.js.flow

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 */

```

```

'use strict';

```

```

const path = require('path');
const FlowParser = require('../..../parsers/flow');
const TypeScriptParser = require('../..../parsers/typescript');

```

```

function parseFiles(files: Array<string>) {

```



```

files.forEach(filename => {
 const isTypeScript =
 path.extname(filename) === '.ts' || path.extname(filename) === '.tsx';

 console.log(
 filename,
 JSON.stringify(
 isTypeScript
 ? TypeScriptParser.parseFile(filename)
 : FlowParser.parseFile(filename),
 null,
 2,
),
);
});
}

module.exports = parseFiles;

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/cli/parser/parser.js.flow

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 * @flow
 * @format
 */

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/components/commands.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/flow/components/commands.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/generators/components/GenerateViewConfigJs.js.flow  
 \* /react-native-codegen-0-70-6-tgz/package/lib/parsers/typescript/index.js.flow

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 *
 * @flow strict
 * @format

```

```

*/

'use strict';

import type {
 SchemaType,
 NativeModuleAliasMap,
 NativeModuleObjectTypeAnnotation,
 NativeModuleSchema,
} from '../CodegenSchema';

const invariant = require('invariant');

export type AliasResolver = (
 aliasName: string,
) => NativeModuleObjectTypeAnnotation;

function createAliasResolver(aliasMap: NativeModuleAliasMap): AliasResolver {
 return (aliasName: string) => {
 const alias = aliasMap[aliasName];
 invariant(alias != null, `Unable to resolve type alias '${aliasName}'.`);
 return alias;
 };
}

function getModules(
 schema: SchemaType,
): $ReadOnly<{[hasteModuleName: string]: NativeModuleSchema}> {
 return Object.keys(schema.modules).reduce<{[string]: NativeModuleSchema}>(
 (modules, hasteModuleName: string) => {
 const module = schema.modules[hasteModuleName];
 if (module == null || module.type === 'Component') {
 return modules;
 }
 modules[hasteModuleName] = module;
 return modules;
 },
 {},
);
}

module.exports = {
 createAliasResolver,
 getModules,
};

```

Found in path(s):

\* /react-native-codegen-0-70-6-tgz/package/lib/generators/modules/Utils.js.flow

# 1.899 metro-runtime 0.72.3

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 *
 * @format
 *
 */
```

Found in path(s):

```
* /metro-runtime-0-72-3-tgz/package/src/modules/null-module.js
* /metro-runtime-0-72-3-tgz/package/src/modules/empty-module.js
* /metro-runtime-0-72-3-tgz/package/src/modules/fast-refresh.js
* /metro-runtime-0-72-3-tgz/package/src/modules/asyncRequire.js
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 *
 * @format
 * @flow strict
 */
```

```
module.exports = null;
```

Found in path(s):

```
* /metro-runtime-0-72-3-tgz/package/src/modules/null-module.js.flow
MIT
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```

```
/**
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 *
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 *
 * @noformat
```

```
*/
/*
* The MIT License (MIT)
*
* Copyright (c) 2014 Arnout Kazemier
*
* This is a vendored file based on EventEmitter3: https://github.com/primus/eventemitter3
*/
```

Found in path(s):

\* /metro-runtime-0-72-3-tgz/package/src/modules/vendor/eventemitter3.js

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*
* @format
* @flow strict
*/
```

'use strict';

```
// $FlowExpectedError Flow does not know about Metro's require extensions.
const dynamicRequire = (require: {importAll: mixed => mixed});
module.exports = function (moduleID: mixed): Promise<mixed> {
 return Promise.resolve().then(() => dynamicRequire.importAll(moduleID));
};
```

Found in path(s):

\* /metro-runtime-0-72-3-tgz/package/src/modules/asyncRequire.js.flow

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*
* @format
* @flow
*/
```

module.exports = require('react-refresh/runtime');

Found in path(s):

\* /metro-runtime-0-72-3-tgz/package/src/modules/fast-refresh.js.flow

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\* @format

\*/

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\* /metro-runtime-0-72-3-tgz/package/src/modules/HMRClient.js

\* /metro-runtime-0-72-3-tgz/package/src/modules/types.flow.js

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\* @flow strict-local

\* @format

\*/

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\* /metro-runtime-0-72-3-tgz/package/src/modules/HMRClient.js.flow

# 1.900 @react-native-community/cli-clean

## 9.2.1

### 1.900.1 Available under license :

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## 1.901 ob1 0.72.3

### 1.901.1 Available under license :

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## 1.902 react 18.1.0

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# 1.903 metro-symbolicate 0.72.3

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 *
 * @flow strict-local
 * @format
 */

// Symbolicates a JavaScript stack trace using a source map.
// In our first form, we read a stack trace from stdin and symbolicate it via
// the provided source map.
// In our second form, we symbolicate using an explicit line number, and
// optionally a column.
// In our third form, we symbolicate using a module ID, a line number, and
// optionally a column.

'use strict';

const Symbolication = require('./Symbolication.js');
const fs = require('fs');
// flowlint-next-line untyped-import:off
const SourceMapConsumer = require('source-map').SourceMapConsumer;
// flowlint-next-line untyped-import:off
const through2 = require('through2');

function printHelp() {
 const usages = [
 'Usage: ',
 + __filename + ' <source-map-file>',
 ' ' + __filename + ' <source-map-file> <line> [column]',
 ' ' + __filename + ' <source-map-file> <moduleId>.js <line> [column]',
 ' ' + __filename + ' <source-map-file> <mapfile>.profmap',
 ' ' +
 __filename +
 ' <source-map-file> --attribution <in.jsonl> > out.jsonl',
 ' ' + __filename + ' <source-map-file> <tracefile>.cpuprofile',
 'Optional flags:',
 ' --no-function-names',
 ' --hermes-crash (mutually exclusive with --hermes-coverage)',
 ' --hermes-coverage (mutually exclusive with --hermes-crash)',
];
}
```

```

' --input-line-start <line> (default: 1)',
' --input-column-start <column> (default: 0)',
' --output-line-start <line> (default: 1)',
' --output-column-start <column> (default: 0)',
];
console.error(usages.join('\n'));
}

async function main(
 argvInput: Array<string> = process.argv.slice(2),
 // prettier-ignore
 {
 stdin,
 stderr,
 stdout,
 }:
 {
 stdin: stream$Readable | tty$ReadStream,
 stderr: stream$Writable,
 stdout: stream$Writable,
 ...
 // $FlowFixMe[class-object-subtyping]
 } = process,
): Promise<number> {
 const argv = argvInput.slice();
 function checkAndRemoveArg(arg: string, valuesPerArg: number = 0) {
 let values = null;
 for (let idx = argv.indexOf(arg); idx !== -1; idx = argv.indexOf(arg)) {
 argv.splice(idx, 1);
 values = values || [];
 values.push(argv.splice(idx, valuesPerArg));
 }
 return values;
 }

 function checkAndRemoveArgWithValue(arg: string) {
 const values = checkAndRemoveArg(arg, 1);
 return values ? values[0][0] : null;
 }

 try {
 const noFunctionNames = checkAndRemoveArg('--no-function-names');
 const isHermesCrash = checkAndRemoveArg('--hermes-crash');
 const isCoverage = checkAndRemoveArg('--hermes-coverage');
 const inputLineStart = Number.parseInt(
 checkAndRemoveArgWithValue('--input-line-start') || '1',
 10,

```



```

);
const inputColumnStart = Number.parseInt(
 checkAndRemoveArgWithValue('--input-column-start') || '0',
 10,
);
const outputLineStart = Number.parseInt(
 checkAndRemoveArgWithValue('--output-line-start') || '1',
 10,
);
const outputColumnStart = Number.parseInt(
 checkAndRemoveArgWithValue('--output-column-start') || '0',
 10,
);

if (argv.length < 1 || argv.length > 4) {
 /* eslint no-path-concat: "off" */
 printHelp();
 return 1;
}

if (isHermesCrash && isCoverage) {
 console.error(
 'Pass either --hermes-crash or --hermes-coverage, not both',
);
 printHelp();
 return 1;
}

// Read the source map.
const sourceMapFileName = argv.shift();
const options = {
 nameSource: noFunctionNames ? 'identifier_names' : 'function_names',
 inputLineStart,
 inputColumnStart,
 outputLineStart,
 outputColumnStart,
};
let context;
if (fs.lstatSync(sourceMapFileName).isDirectory())
{
 context = Symbolication.unstable_createDirectoryContext(
 SourceMapConsumer,
 sourceMapFileName,
 options,
);
} else {
 const content = fs.readFileSync(sourceMapFileName, 'utf8');
 context = Symbolication.createContext(

```

```

 SourceMapConsumer,
 content,
 options,
);
}
if (argv.length === 0) {
 const stackTrace = await readAll(stdin);
 if (isHermesCrash) {
 const stackTraceJSON = JSON.parse(stackTrace);
 const symbolicatedTrace =
 context.symbolicateHermesMinidumpTrace(stackTraceJSON);
 stdout.write(JSON.stringify(symbolicatedTrace));
 } else if (isCoverage) {
 const stackTraceJSON = JSON.parse(stackTrace);
 const symbolicatedTrace =
 context.symbolicateHermesCoverageTrace(stackTraceJSON);
 stdout.write(JSON.stringify(symbolicatedTrace));
 } else {
 stdout.write(context.symbolicate(stackTrace));
 }
} else if (argv[0].endsWith('.profmap')) {
 stdout.write(context.symbolicateProfilerMap(argv[0]));
} else if (
 argv[0].endsWith('.heapsnapshot') ||
 argv[0].endsWith('.heaptimeline')
) {
 stdout.write(
 JSON.stringify(
 context.symbolicateHeapSnapshot(fs.readFileSync(argv[0], 'utf8')),
),
);
} else if (argv[0] === '--attribution') {
 let buffer = "";
 await waitStream(
 stdin
 .pipe(
 /* $FlowFixMe[missing-this-annot] The 'this' type annotation(s)
 * required by Flow's LTI update could not be added via codemod */
 through2(function (data, enc, callback) {
 // Take arbitrary strings, output single lines
 buffer += data;
 const lines = buffer.split("\n");
 for (let i = 0, e = lines.length - 1; i < e; i++) {
 this.push(lines[i]);
 }
 buffer = lines[lines.length
- 1];
 callback();

```

```

 }},
)
 .pipe(
 /* $FlowFixMe[missing-this-annot] The 'this' type annotation(s)
 * required by Flow's LTI update could not be added via codemod */
 through2.obj(function (data, enc, callback) {
 // This is JSONL, so each line is a separate JSON object
 const obj = JSON.parse(data);
 context.symbolicateAttribution(obj);
 this.push(JSON.stringify(obj) + '\n');
 callback();
 }},
)
 .pipe(stdout),
);
} else if (argv[0].endsWith('.cpuprofile')) {
 // NOTE: synchronous
 context.symbolicateChromeTrace(argv[0], {stdout, stderr});
} else {
 // read-from-argv form.
 let moduleIds;
 if (argv[0].endsWith('.js')) {
 moduleIds = context.parseFileName(argv[0]);
 argv.shift();
 } else {
 moduleIds = null;
 }
 const lineNumber
= argv.shift();
 const columnNumber = argv.shift() || 0;
 const original = context.getOriginalPositionFor(
 +lineNumber,
 +columnNumber,
 // $FlowFixMe context is a union here and so this parameter is a union
 moduleIds,
);
 stdout.write(
 [
 original.source ?? 'null',
 original.line ?? 'null',
 original.name ?? 'null',
].join(':') + '\n',
);
}
} catch (error) {
 stderr.write(error + '\n');
 return 1;
}

```

```

return 0;
}

function readAll(stream: stream$Readable | tty$ReadStream) {
 return new Promise(resolve => {
 let data = "";
 if (stream.isTTY === true) {
 resolve(data);
 return;
 }

 stream.setEncoding('utf8');
 stream.on('readable', () => {
 let chunk;
 // flowlint-next-line sketchy-null-string:off
 while ((chunk = stream.read())) {
 data += chunk.toString();
 }
 });
 stream.on('end', () => {
 resolve(data);
 });
 });
}

function waitForStream(stream: $FlowFixMe) {
 return new Promise(resolve => {
 stream.on('finish', resolve);
 });
}

module.exports = main;

```

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# 1.904 error-stack-parser 2.1.4

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\* /metro-source-map-0-72-3-tgz/package/src/composeSourceMaps.js.flow

\* /metro-source-map-0-72-3-tgz/package/src/Consumer/MappingsConsumer.js.flow

\* /metro-source-map-0-72-3-tgz/package/src/B64Builder.js.flow

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\* /metro-source-map-0-72-3-tgz/package/src/Consumer/SectionsConsumer.js.flow

\* /metro-source-map-0-72-3-tgz/package/src/Consumer/positionMath.js.flow

\* /metro-source-map-0-72-3-tgz/package/src/Consumer/createConsumer.js.flow

\* /metro-source-map-0-72-3-tgz/package/src/Consumer/types.flow.js.flow

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\*/

'use strict';

import type {IndexMap, IndexMapSection, MixedSourceMap} from './source-map';

const EMPTY\_MAP = {

version: 3,

sources: [],

names: [],

mappings: 'A',

};

/\*\*

\* Builds a source-mapped bundle by concatenating strings and their

\* corresponding source maps (if any).

\*

\* Usage:

\*

\* const builder = new BundleBuilder('bundle.js');

\* builder

\* .append('foo\n', fooMap)

\* .append('bar\n')

\* // ...

\* const code = builder.getCode();

\* const map = builder.getMap();

\*/

class BundleBuilder {

  \_file: string;

  \_sections: Array<IndexMapSection>;

  \_line: number;

  \_column: number;

  \_code: string;

  \_afterMappedContent: boolean;

  constructor(file: string) {

    this.\_file = file;



```

 this._sections = [];
 this._line = 0;
 this._column = 0;
 this._code = "";
 this._afterMappedContent = false;
}

_pushMapSection(map: MixedSourceMap) {
 this._sections.push({
 map,
 offset: { column: this._column, line: this._line },
 });
}

_endMappedContent() {
 if (this._afterMappedContent) {
 this._pushMapSection(EMPTY_MAP);
 this._afterMappedContent = false;
 }
}

append(code: string, map: ?MixedSourceMap): this {
 if (!code.length) {
 return this;
 }
 const {lineBreaks, lastLineColumns} = measureString(code);
 if (map) {
 this._pushMapSection(map);
 this._afterMappedContent = true;
 } else {
 this._endMappedContent();
 }
 this._afterMappedContent = !!map;
 this._line = this._line + lineBreaks;
 if (lineBreaks > 0) {
 this._column = lastLineColumns;
 } else {
 this._column = this._column + lastLineColumns;
 }
 this._code = this._code + code;
 return this;
}

getMap(): MixedSourceMap {
 this._endMappedContent();
 return createIndexMap(this._file, this._sections);
}

```

```

getCode(): string {
 return this._code;
}
}

const reLineBreak = /\r\n|\r|\n/g;

function measureString(str: string): {
 lineBreaks: number,
 lastLineColumns: number,
} {
 let lineBreaks = 0;
 let match;
 let lastLineStart = 0;
 while ((match = reLineBreak.exec(str))) {
 ++lineBreaks;
 lastLineStart = match.index + match[0].length;
 }
 const lastLineColumns = str.length - lastLineStart;
 return {lineBreaks, lastLineColumns};
}

function createIndexMap(
 file: string,
 sections: Array<IndexMapSection>,
): IndexMap {
 return {
 version: 3,
 file,
 sections,
 };
}

module.exports = {BundleBuilder, createIndexMap};

```

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```

```

'use strict';

// flowlint-next-line untyped-import:off
const util = require('source-map/lib/util');

// Extracted from source-map@0.5.6's SourceMapConsumer
function normalizeSourcePath(
 sourceInput: string,
 map: {+sourceRoot?: ?string, ...},
): string {
 const {sourceRoot} = map;
 let source = sourceInput;

 source = String(source);
 // Some source maps produce relative source paths like "./foo.js" instead of
 // "foo.js". Normalize these first so that future comparisons will succeed.
 // See bugzil.la/1090768.
 source = util.normalize(source);
 // Always ensure that absolute sources are internally stored relative to
 // the source root, if the source root is absolute. Not doing
 // this would
 // be particularly problematic when the source root is a prefix of the
 // source (valid, but why??). See github issue #199 and bugzil.la/1188982.
 source =
 sourceRoot != null && util.isAbsolute(sourceRoot) && util.isAbsolute(source)
 ? util.relative(sourceRoot, source)
 : source;

 return source;
}

module.exports = normalizeSourcePath;

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```

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 *
 * Based on the Base 64 VLQ implementation in Closure Compiler:
 * https://git.io/vymuA
 *
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 */

/* eslint-disable no-bitwise */

'use strict';

// A map of values to characters for the b64 encoding
const CHAR_MAP = [
 0x41, 0x42, 0x43, 0x44, 0x45, 0x46, 0x47, 0x48, 0x49, 0x4a, 0x4b, 0x4c, 0x4d,
 0x4e, 0x4f, 0x50, 0x51, 0x52, 0x53, 0x54, 0x55, 0x56, 0x57, 0x58, 0x59, 0x5a,

```

```
0x61, 0x62, 0x63, 0x64, 0x65, 0x66, 0x67, 0x68, 0x69, 0x6a, 0x6b, 0x6c, 0x6d,
0x6e, 0x6f, 0x70, 0x71, 0x72, 0x73, 0x74, 0x75, 0x76, 0x77, 0x78, 0x79, 0x7a,
0x30, 0x31, 0x32, 0x33, 0x34, 0x35, 0x36, 0x37, 0x38, 0x39, 0x2b, 0x2f,
];
```

```
// A single base 64 digit can contain 6 bits of data. For the base 64 variable
// length quantities we use in the source map spec, the first bit is the sign,
// the next four bits are the actual value, and the 6th bit is the
// continuation bit. The continuation bit tells us whether there are more
// digits in this value following this
// digit.
//
// Continuation
// | Sign
// | |
// V V
// 101011
```

```
const VLQ_BASE_SHIFT = 5;
```

```
// binary: 100000
```

```
const VLQ_BASE = 1 << VLQ_BASE_SHIFT;
```

```
// binary: 011111
```

```
const VLQ_BASE_MASK = VLQ_BASE - 1;
```

```
// binary: 100000
```

```
const VLQ_CONTINUATION_BIT = VLQ_BASE;
```

```
/**
```

```
* Converts from a two-complement value to a value where the sign bit is
* placed in the least significant bit. For example, as decimals:
* 1 becomes 2 (10 binary), -1 becomes 3 (11 binary)
* 2 becomes 4 (100 binary), -2 becomes 5 (101 binary)
*/
```

```
function toVLQSigned(value: number) {
 return value < 0 ? (-value << 1) + 1 : (value << 1) + 0;
}
```

```
/**
```

```
* Encodes a number to base64 VLQ format and appends it to the passed-in buffer
*
* DON'T USE COMPOUND OPERATORS (eg `>>=`) ON `let`-DECLARED VARIABLES!
* V8 WILL DEOPTIMIZE THIS FUNCTION AND MAP CREATION WILL BE 25% SLOWER!
*
* DON'T ADD MORE COMMENTS TO THIS FUNCTION TO KEEP ITS LENGTH SHORT ENOUGH FOR
* V8 OPTIMIZATION!
*/
```

```

function encode(value:
number, buffer: Buffer, position: number): number {
let vlq = toVLQSigned(value);
let digit;
do {
 digit = vlq & VLQ_BASE_MASK;
 vlq = vlq >>> VLQ_BASE_SHIFT;
 if (vlq > 0) {
 // There are still more digits in this value, so we must make sure the
 // continuation bit is marked.
 digit = digit | VLQ_CONTINUATION_BIT;
 }
 buffer[position++] = CHAR_MAP[digit];
} while (vlq > 0);

return position;
}

```

module.exports = encode;

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# 1.908 meow 10.1.5

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# 1.910 object.fromentries 2.0.6

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## 1.911 object.hasown 1.1.2

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# 1.947 lodash.upperfirst 4.3.1

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## 1.953 ignore 5.2.4

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# 1.957 object-inspect 1.12.3

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## 1.959 @types/graceful-fs 4.1.6

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# 1.960 @babel/plugin-proposal-object-rest-spread 7.20.7

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# 1.961 prelude-ls 1.1.2

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name: 'prelude-ls'

version: '1.1.2'

author: 'George Zahariev <z@georgezahariev.com>'

description: "prelude.ls is a functionally oriented utility library. It is powerful and flexible. Almost all of its functions are curried. It is written in, and is the recommended base library for, LiveScript."

keywords:

'prelude'

'livescript'

'utility'

'ls'

'coffeescript'

'javascript'

'library'

'functional'

'array'

'list'

'object'

'string'

main: 'lib/'

files:

'lib/'

'README.md'

'LICENSE'

homepage: 'http://preludels.com'

bugs: 'https://github.com/gkz/prelude-ls/issues'

licenses:

\* type: 'MIT'

url: 'https://raw.githubusercontent.com/gkz/prelude-ls/master/LICENSE'

...

engines:

node: '>= 0.8.0'

repository:

type: 'git'

url: 'git://github.com/gkz/prelude-ls.git'

scripts:

test: "make test"

dev-dependencies:

livescript: '~1.4.0'  
'uglify-js': '~2.4.12'  
mocha: '~2.2.4'  
istanbul: '~0.2.4'  
browserify: '~3.24.13'  
sinon: '~1.10.2'  
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# 1.962 regenerate 1.4.2

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# 1.966 ajv 8.12.0

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# 1.972 minimatch 5.1.6

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# 1.974 @babel/plugin-proposal-async-generator-functions 7.20.7

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# 1.975 prelude-ls 1.2.1

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name: 'prelude-ls'

version: '1.2.1'

author: 'George Zahariev <z@georgezahariev.com>'

description: "prelude.ls is a functionally oriented utility library. It is powerful and flexible. Almost all of its functions are curried. It is written in, and is the recommended base library for, LiveScript."

```
keywords:
 'prelude'
 'livescript'
 'utility'
 'ls'
 'coffeescript'
 'javascript'
 'library'
 'functional'
 'array'
 'list'
 'object'
 'string'

main: 'lib/'
files:
 'lib/'
 'README.md'
 'LICENSE'

homepage: 'http://preludels.com'
bugs: 'https://github.com/gkz/prelude-ls/issues'
license: 'MIT'
engines:
 node: '>= 0.8.0'
repository:
 type: 'git'
 url: 'git://github.com/gkz/prelude-ls.git'
scripts:
 test: "make test"

dev-dependencies:
 livescript: "^1.6.0",
 'uglify-js': "^3.8.1",
 mocha: "^7.1.1",
 browserify: "^16.5.1",
 sinon: "~8.0.1"
```

# 1.976 stackframe 1.3.4

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## 1.979 glob 8.1.0

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## 1.983 properties 1.8.7

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```

```
]
```

```
spdx-license-ids
```

[![npm version](https://img.shields.io/npm/v/spdx-license-ids.svg)](https://www.npmjs.com/package/spdx-license-ids)

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## Installation

[Download JSON directly](https://raw.githubusercontent.com/jslicense/spdx-license-ids/main/index.json), or

[use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm/):

...

npm install spdx-license-ids

...

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```
```javascript
```

```
const ids = require('spdx-license-ids');
```

```
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]
```

```
ids.includes('BSD-3-Clause'); //=> true
```

```
ids.includes('CC-BY-1.0');
```

```
//=> true
```

```
ids.includes('GPL-3.0'); //=> false
```

```
...
```

require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.

```
```javascript
```

```
const deprecatedIds = require('spdx-license-ids/deprecated');
```

```
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]
```

```
deprecatedIds.includes('BSD-3-Clause'); //=> false
```

```
deprecatedIds.includes('CC-BY-1.0'); //=> false
```

```
deprecatedIds.includes('GPL-3.0'); //=> true
```

```
...
```

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# 1.1081 registry-auth-token 5.0.2

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# 1.1087 os-name 5.1.0

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## 1.1102 default-browser 4.0.0

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## 1.1114 is-inside-container 1.0.0

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## 1.1121 shell-quote 1.8.1

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## 1.1122 run-applescript 5.0.0

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# 1.1127 crypto-random-string 4.0.0

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# 1.1128 prettier 2.8.8

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### @babel/code-frame@v7.18.6

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By: Rebecca Turner

Repository: <git+https://github.com/iarna/iarna-toml.git>

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### collapse-white-space@v1.0.6

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By: DY

Repository: <git@github.com:dfcreative/color-name.git>

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By: James Halliday

Repository: <<http://github.com/substack/node-commondir.git>>

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By: David Clark

Repository: <git+https://github.com/davidtheclark/cosmiconfig.git>

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By: Andr Cruz

Repository: <git@github.com:moxystudio/node-cross-spawn.git>

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defaults@v1.0.4

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Repository: <git://github.com/sindresorhus/node-defaults.git>

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### dir-glob@v3.0.1

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editorconfig-to-prettier@v1.0.0

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By: Joseph Frazier

Repository: <git+https://github.com/josephfrazier/editorconfig-to-prettier.git>

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Repository: <https://github.com/mathiasbynens/emoji-regex.git>

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By: Stefan Thomas

Repository: <<https://github.com/justmoon/node-extend.git>>

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By: Matteo Collina

Repository: <git+https://github.com/mcollina/fastq.git>

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By: Thorsten Lorenz

Repository: <[git://github.com/thlorenz/find-parent-dir.git](https://github.com/thlorenz/find-parent-dir.git)>

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Repository: <git+https://github.com/mk-pmb/flatten-js.git>

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By: Flow Team

Repository: <https://github.com/facebook/flow.git>

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By: Isaac Z. Schlueter

Repository: <[git://github.com/isaacs/node-glob.git](https://github.com/isaacs/node-glob.git)>

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By: kael

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By: Qix

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### is-buffer@v2.0.5

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By: Feross Aboukhadijeh

Repository: <[git://github.com/feross/is-buffer.git](https://github.com/feross/is-buffer.git)>

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By: Jordan Harband

Repository: <git+https://github.com/inspect-js/is-core-module.git>

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By: Brian Donovan

Repository: <<https://github.com/eventualbuddha/lines-and-columns.git>>

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Repository: <<https://github.com/meriyah/meriyah>>

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### minimatch@v3.1.2

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By: Yoan Arnaudov

Repository: <http://github.com/nacholibre/node-readlines.git>

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### parse-json@v5.2.0

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### parse-srcset@v1.0.2

License: MIT

By: Alex

Bell

Repository: <git+https://github.com/albell/parse-srcset.git>

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By: Javier Blanco

Repository: <<https://github.com/jbgutierrez/path-parse.git>>

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Repository: <git+https://github.com/mcollina/reusify.git>

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Repository: <git://github.com/feross/run-parallel.git>

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By: James Halliday

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Repository: <git://github.com/isaacs/sigmund>

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By: TJ Holowaychuk

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Repository: <<https://github.com/ajafff/tsutils>>

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Repository: <git://github.com/mikolalysenko/uniq.git>

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By: Tim Oxley

Repository: <git+<https://github.com/timoxley/wcwidth.git>>

> wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation

> =====

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> This package is a JavaScript porting of `wcwidth()` implementation

> [by Markus Kuhn](<http://www.cl.cam.ac.uk/~mgk25/ucs/wcwidth.c>).

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# 1.1150 @babel/plugin-syntax-unicode-sets-regex 7.18.6

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## 1.1152 strip-ansi 7.1.0

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# 1.1155 @humanwhocodes/config-array

## 0.11.10

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### 7.22.5

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## 1.1168 basic-ftp 5.0.3

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## 1.1170 http-proxy-agent 7.0.0

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## **1.1172 data-uri-to-buffer 5.0.1**

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## **1.1173 socks-proxy-agent 8.0.1**

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## **1.1174 agent-base 7.1.0**

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## **1.1175 viper 1.16.0**

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# 1.1176 @babel/plugin-transform-react-jsx

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# 1.1177 @babel/plugin-proposal-export-default-from 7.22.5

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## 1.1182 @babel/plugin-transform-nullish-coalescing-operator 7.22.5

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## 1.1183 browserslist 4.21.9

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## 1.1185 @babel/helper-member-expression-to-functions 7.22.5

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## 1.1187 babel-plugin-syntax-flow 7.22.5

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# 1.1188 @babel/plugin-transform-spread

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# 1.1190 @babel/plugin-proposal-private-property-in-object 7.21.0-placeholder-for-preset-env.2

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# 1.1193 @babel/plugin-transform-unicode-regex 7.22.5

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# 1.1195 @babel/plugin-syntax-import-assertions

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## 1.1203 @babel/plugin-transform-dotall-regex

### 7.22.5



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## 1.1204 @babel/plugin-transform-logical-assignment-operators 7.22.5

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## 1.1206 @babel/plugin-bugfix-v8-spread-parameters-in-optional-chaining 7.22.5

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## 1.1210 @babel/plugin-transform-parameters

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## 1.1211 jsc-safe-url 0.2.4

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## 1.1212 @babel/plugin-transform-unicode-property-regex 7.22.5

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## 1.1213 @babel/plugin-transform-private-property-in-object 7.22.5

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# 1.1218 @babel/plugin-transform-modules-umd 7.22.5

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# 1.1219 @babel/plugin-transform-class-static-block 7.22.5

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# 1.1220 @babel/plugin-transform-destructuring 7.22.5

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# 1.1221 @babel/plugin-transform-block-scoping 7.22.5

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## 1.1224 @babel/helper-optimise-call-expression 7.22.5

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## 1.1226 babel-plugin-transform-member-expression-literals 7.22.5

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## 1.1227 @babel/plugin-transform-new-target

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## 1.1229 @babel/plugin-transform-shorthand-properties 7.22.5

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# 1.1240 semver 7.5.2

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# 1.1246 @babel/helper-skip-transparent-expression-wrappers 7.22.5

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# 1.1247 @babel/plugin-transform-react-pure-annotations 7.22.5

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# 1.1249 @babel/plugin-transform-react-jsx-development 7.22.5

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# 1.1251 enhanced-resolve 5.15.0

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## 1.1252 cosmiconfig 8.2.0

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## 1.1253 @types/react 17.0.62

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## 1.1254 regexp-tree 0.1.27

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# 1.1257 types-babel-traverse 7.20.1

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# 1.1258 @types/prettier 2.7.3

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## 1.1259 @octokit/openapi-types 18.0.0

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## 1.1261 cjs-module-lexer 1.2.3

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## 1.1262 envinfo 7.10.0

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## 1.1264 @babel/plugin-transform-optional-chaining 7.22.6

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## 1.1266 node-fetch 2.6.12

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# 1.1269 @babel/helper-split-export-declaration

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## 1.1272 optionator 0.9.3

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# 1.1273 @eslint/js 8.44.0

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# 1.1274 acorn 8.10.0

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## 1.1277 pflag 1.0.5

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## 1.1278 semver 7.5.4

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## 1.1279 node-releases 2.0.13

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## 1.1280 chalk 5.3.0

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## 1.1281 @jest/schemas 29.6.0

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## 1.1282 jsx-ast-utils 3.3.4

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## 1.1283 eslint-plugin-testing-library 5.11.0

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## 1.1284 typescript 5.1.6

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# 1.1305 typed-array-byte-offset 1.0.0

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# 1.1306 @babel/helper-module-transforms

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## 1.1308 babel-helper-create-class-features-plugin 7.22.9

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# 1.1312 typescript-eslint-typescript-estree

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# 1.1315 vscode-nls 5.2.0

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Glob matching is based on code from <https://github.com/fitzgen/glob-to-regexp>

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## 1.1335 babel-plugin-polyfill-corejs3 0.8.3

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## 1.1336 @babel/helper-define-polyfill-provider 0.4.2

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## 1.1337 @babel/preset-modules 0.1.6

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# 1.1338 babel-plugin-polyfill-corejs2 0.4.5

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# 1.1339 fast-glob 3.3.1

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# 1.1340 tslib 2.6.1

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# 1.1341 go-toml 2.0.9

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## 1.1344 jsdoc-type-pratt-parser 3.1.0

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# 1.1345 whatwg-fetch 3.6.17

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# 1.1346 @types/node 20.4.5

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## 1.1347 word-wrap 1.2.5

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## 1.1348 @evilmartians/lefthook 1.4.7

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## 1.1349 minimatch 7.4.6

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## 1.1350 metro 0.72.4

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*
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```
* @format
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Found in path(s):

```
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/getAssets.js
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* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/getTransitiveDependencies.js
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* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/write-sourcemap.js
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```
* /metro-0-72-4-tgz/package/src/lib/getPreludeCode.js
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* /metro-0-72-4-tgz/package/src/cli.js
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* /metro-0-72-4-tgz/package/src/IncrementalBundler/GraphNotFoundError.js
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* /metro-0-72-4-tgz/package/src/Server.js
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* /metro-0-72-4-tgz/package/src/cli-utils.js
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* /metro-0-72-4-tgz/package/src/shared/output/writeFile.js
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* /metro-0-72-4-tgz/package/src/DeltaBundler/DeltaCalculator.js
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* /metro-0-72-4-tgz/package/src/DeltaBundler/Transformer.js
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* /metro-0-72-4-tgz/package/src/lib/contextModuleTemplates.js
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 /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/sourceMapGenerator.js
```

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* /metro-0-72-4-tgz/package/src/lib/splitBundleOptions.js
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* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/ModuleCache.js
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* /metro-0-72-4-tgz/package/src/shared/output/bundle.flow.js
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* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/node-haste.flow.js
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* /metro-0-72-4-tgz/package/src/lib/countLines.js
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* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/processModules.js
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* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/getInlineSourceMappingURL.js
```

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* /metro-0-72-4-tgz/package/src/node-haste/Module.js
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* /metro-0-72-4-tgz/package/src/DeltaBundler/Worker.js
```

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* /metro-0-72-4-tgz/package/src/shared/output/unbundle.js
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* /metro-0-72-4-tgz/package/src/DeltaBundler.js
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```
* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/as-assets.js
```

```
* /metro-0-72-4-tgz/package/src/node-haste/lib/parsePlatformFilePath.js
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* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/processBytecodeModules.js
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 /metro-0-72-4-tgz/package/src/lib/debounceAsyncQueue.js
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* /metro-0-72-4-tgz/package/src/lib/createWebsocketServer.js
```

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* /metro-0-72-4-tgz/package/src/IncrementalBundler/ResourceNotFoundError.js
```

- \* /metro-0-72-4-tgz/package/src/lib/contextModule.js
- \* /metro-0-72-4-tgz/package/src/lib/reporting.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/hmrJSBundle.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/output/multiple-files-ram-bundle.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/output/indexed-ram-bundle.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/baseBytecodeBundle.js
- \* /metro-0-72-4-tgz/package/src/Server/MultipartResponse.js
- \* /metro-0-72-4-tgz/package/src/lib/relativizeSourceMap.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/types.flow.js
- \* /metro-0-72-4-tgz/package/src/lib/JsonReporter.js
- \* /metro-0-72-4-tgz/package/src/commands/build.js
- \*
- /metro-0-72-4-tgz/package/src/ModuleGraph/output/util.js
- \* /metro-0-72-4-tgz/package/src/lib/BatchProcessor.js
- \* /metro-0-72-4-tgz/package/src/lib/getGraphId.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Worker.flow.js
- \* /metro-0-72-4-tgz/package/src/lib/bundleToBytecode.js
- \* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/util.js
- \* /metro-0-72-4-tgz/package/src/lib/TerminalReporter.js
- \* /metro-0-72-4-tgz/package/src/Bundler/util.js
- \* /metro-0-72-4-tgz/package/src/IncrementalBundler/RevisionNotFoundError.js
- \* /metro-0-72-4-tgz/package/src/node-haste/lib/AssetPaths.js
- \* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/buildSourcemapWithMetadata.js
- \* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/magic-number.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/getExplodedSourceMap.js
- \* /metro-0-72-4-tgz/package/src/Assets.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/baseJSBundle.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/getAllFiles.js
- \*
- /metro-0-72-4-tgz/package/src/index.js
- \* /metro-0-72-4-tgz/package/src/IncrementalBundler.js
- \* /metro-0-72-4-tgz/package/src/shared/types.flow.js
- \* /metro-0-72-4-tgz/package/src/lib/bundleToString.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/getRamBundleInfo.js
- \* /metro-0-72-4-tgz/package/src/commands/serve.js
- \* /metro-0-72-4-tgz/package/src/lib/createModuleIdFactory.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/js.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/sourceMapString.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/worker/Platforms.js
- \* /metro-0-72-4-tgz/package/src/Server/symbolicate.js
- \* /metro-0-72-4-tgz/package/src/lib/transformHelpers.js
- \* /metro-0-72-4-tgz/package/src/node-haste/Package.js
- \* /metro-0-72-4-tgz/package/src/node-haste/DependencyGraph/createHasteMap.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/getSourceMapInfo.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/sourceMapObject.js
- \*
- /metro-0-72-4-tgz/package/src/lib/getPrependedScripts.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/output/reverse-dependency-map-references.js

- \* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/as-indexed-file.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/Module.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/Package.js
- \* /metro-0-72-4-tgz/package/src/lib/CountingSet.js
- \* /metro-0-72-4-tgz/package/src/shared/output/RamBundle.js
- \* /metro-0-72-4-tgz/package/src/node-haste/ModuleCache.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/WorkerFarm.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/types.flow.js
- \* /metro-0-72-4-tgz/package/src/index.flow.js
- \* /metro-0-72-4-tgz/package/src/lib/getMaxWorkers.js
- \* /metro-0-72-4-tgz/package/src/lib/getAppendScripts.js
- \* /metro-0-72-4-tgz/package/src/node-haste/DependencyGraph.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/bytecode.js
- \* /metro-0-72-4-tgz/package/src/shared/output/bundle.js
- \*
- /metro-0-72-4-tgz/package/src/DeltaBundler/mergeDeltas.js
- \* /metro-0-72-4-tgz/package/src/lib/parseOptionsFromUrl.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/output/plain-bundle.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/HasteFS.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/node-haste.js
- \* /metro-0-72-4-tgz/package/src/Bundler.js
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/module.js
- \* /metro-0-72-4-tgz/package/src/node-haste/DependencyGraph/ModuleResolution.js
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/getTransformCacheKey.js

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- \* @emails oncall+metro\_bundler
- \* @format
- \*
- \*/

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- \* /metro-0-72-4-tgz/package/src/integration\_tests/execBundle.js
- \* /metro-0-72-4-tgz/package/src/lib/parseCustomResolverOptions.js
- \* /metro-0-72-4-tgz/package/src/lib/parseCustomTransformOptions.js

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* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/import-export/export-6.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/require-context/subdir/c.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/TestBundle.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/import-export/export-1.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/require-context/subdir/nested/d.js.flow
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* /metro-0-72-4-tgz/package/src/ModuleGraph/silent-console.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/import-export/export-null.js.flow
*
/metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/require-context/subdir/a.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/import-export/export-4.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/require-context/subdir-conflict/index.js.flow
* /metro-0-72-4-tgz/package/src/ModuleGraph/worker/generate.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/ErrorBundle.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/import-export/index.js.flow
* /metro-0-72-4-tgz/package/src/lib/RamBundleParser.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/import-export/export-3.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/import-export/export-2.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/require-context/subdir/b.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/AssetRegistry.js.flow
*
/metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/Foo.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/Bar.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/import-export/export-primitive-default.js.flow
* /metro-0-72-4-tgz/package/src/integration_tests/basic_bundle/TestPolyfill.js.flow
```

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Found in path(s):

```
* /metro-0-72-4-tgz/package/src/lib/getGraphId.js.flow
* /metro-0-72-4-tgz/package/src/shared/types.flow.js.flow
* /metro-0-72-4-tgz/package/src/Server/symbolicate.js.flow
* /metro-0-72-4-tgz/package/src/lib/debounceAsyncQueue.js.flow
```

```

* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/getInlineSourceMappingURL.js.flow
* /metro-0-72-4-tgz/package/src/ModuleGraph/output/indexed-ram-bundle.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/sourceMapObject.js.flow
* /metro-0-72-4-tgz/package/src/lib/getPrependedScripts.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/mergeDeltas.js.flow
* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/util.js.flow
*
/metro-0-72-4-tgz/package/src/lib/bundleToString.js.flow
* /metro-0-72-4-tgz/package/src/shared/output/RamBundle.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/hmrJSBundle.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/types.flow.js.flow
* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/ModuleCache.js.flow
* /metro-0-72-4-tgz/package/src/lib/relativizeSourceMap.js.flow
* /metro-0-72-4-tgz/package/src/ModuleGraph/output/util.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler.js.flow
* /metro-0-72-4-tgz/package/src/shared/output/unbundle.js.flow
* /metro-0-72-4-tgz/package/src/lib/bundleToBytecode.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/DeltaCalculator.js.flow
* /metro-0-72-4-tgz/package/src/lib/contextModuleTemplates.js.flow
* /metro-0-72-4-tgz/package/src/ModuleGraph/output/multiple-files-ram-bundle.js.flow
* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/write-sourcemap.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/getExplodedSourceMap.js.flow
*
/metro-0-72-4-tgz/package/src/lib/parseOptionsFromUrl.js.flow
* /metro-0-72-4-tgz/package/src/ModuleGraph/output/reverse-dependency-map-references.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/graphOperations.js.flow
* /metro-0-72-4-tgz/package/src/lib/contextModule.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/getAllFiles.js.flow
* /metro-0-72-4-tgz/package/src/ModuleGraph/module.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/sourceMapString.js.flow
* /metro-0-72-4-tgz/package/src/lib/transformHelpers.js.flow
* /metro-0-72-4-tgz/package/src/lib/countLines.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/getTransitiveDependencies.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/sourceMapGenerator.js.flow
* /metro-0-72-4-tgz/package/src/lib/CountingSet.js.flow
* /metro-0-72-4-tgz/package/src/lib/splitBundleOptions.js.flow
* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/getSourceMapInfo.js.flow
*
/metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/getAssets.js.flow
* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/buildSourcemapWithMetadata.js.flow
* /metro-0-72-4-tgz/package/src/node-haste/DependencyGraph/createHasteMap.js.flow
* /metro-0-72-4-tgz/package/src/cli.js.flow
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\* @format

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\*/

Found in path(s):

\* /metro-0-72-4-tgz/package/src/lib/parseCustomTransformOptions.js.flow

\* /metro-0-72-4-tgz/package/src/lib/parseCustomResolverOptions.js.flow

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\* /metro-0-72-4-tgz/package/src/ModuleGraph/test-helpers.js

\* /metro-0-72-4-tgz/package/src/integration\_tests/basic\_bundle/polyfill.js

\* /metro-0-72-4-tgz/package/src/commands/dependencies.js

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\* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/node-haste.flow.js.flow

\* /metro-0-72-4-tgz/package/src/IncrementalBundler.js.flow

\* /metro-0-72-4-tgz/package/src/node-haste/Module.js.flow

\* /metro-0-72-4-tgz/package/src/ModuleGraph/types.flow.js.flow

\* /metro-0-72-4-tgz/package/src/DeltaBundler/Worker.js.flow

\* /metro-0-72-4-tgz/package/src/lib/reporting.js.flow

\* /metro-0-72-4-tgz/package/src/DeltaBundler/Transformer.js.flow

\* /metro-0-72-4-tgz/package/src/Bundler/util.js.flow

\* /metro-0-72-4-tgz/package/src/IncrementalBundler/RevisionNotFoundError.js.flow

\* /metro-0-72-4-tgz/package/src/cli-utils.js.flow

- \* /metro-0-72-4-tgz/package/src/DeltaBundler/getTransformCacheKey.js.flow
- \*
- /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/js.js.flow
- \* /metro-0-72-4-tgz/package/src/Bundler.js.flow
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/output/plain-bundle.js.flow
- \* /metro-0-72-4-tgz/package/src/shared/output/bundle.flow.js.flow
- \* /metro-0-72-4-tgz/package/src/lib/JsonReporter.js.flow
- \* /metro-0-72-4-tgz/package/src/Assets.js.flow
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Worker.flow.js.flow
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/WorkerFarm.js.flow
- \* /metro-0-72-4-tgz/package/src/IncrementalBundler/ResourceNotFoundError.js.flow
- \* /metro-0-72-4-tgz/package/src/index.flow.js.flow
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/processBytecodeModules.js.flow
- \* /metro-0-72-4-tgz/package/src/lib/BatchProcessor.js.flow
- \* /metro-0-72-4-tgz/package/src/node-haste/DependencyGraph/ModuleResolution.js.flow
- \* /metro-0-72-4-tgz/package/src/shared/output/RamBundle/as-assets.js.flow
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/Package.js.flow
- \*
- /metro-0-72-4-tgz/package/src/lib/getAppendScripts.js.flow
- \* /metro-0-72-4-tgz/package/src/lib/TerminalReporter.js.flow
- \* /metro-0-72-4-tgz/package/src/index.js.flow
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/getRamBundleInfo.js.flow
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/node-haste.js.flow
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/baseJSBundle.js.flow
- \* /metro-0-72-4-tgz/package/src/node-haste/ModuleCache.js.flow
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/bytecode.js.flow
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/helpers/processModules.js.flow
- \* /metro-0-72-4-tgz/package/src/shared/output/writeFile.js.flow
- \* /metro-0-72-4-tgz/package/src/shared/output/bundle.js.flow
- \* /metro-0-72-4-tgz/package/src/commands/build.js.flow
- \* /metro-0-72-4-tgz/package/src/DeltaBundler/Serializers/baseBytecodeBundle.js.flow
- \* /metro-0-72-4-tgz/package/src/commands/serve.js.flow
- \* /metro-0-72-4-tgz/package/src/node-haste/DependencyGraph.js.flow
- \*
- /metro-0-72-4-tgz/package/src/shared/output/RamBundle/as-indexed-file.js.flow
- \* /metro-0-72-4-tgz/package/src/Server.js.flow
- \* /metro-0-72-4-tgz/package/src/lib/createWebsocketServer.js.flow
- \* /metro-0-72-4-tgz/package/src/ModuleGraph/node-haste/Module.js.flow
- \* /metro-0-72-4-tgz/package/src/IncrementalBundler/GraphNotFoundError.js.flow

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\* /metro-0-72-4-tgz/package/src/HmrServer.js.flow

\* /metro-0-72-4-tgz/package/src/ModuleGraph/worker/JsFileWrapping.js.flow

\* /metro-0-72-4-tgz/package/src/ModuleGraph/worker/collectDependencies.js.flow

\* /metro-0-72-4-tgz/package/src/lib/formatBundlingError.js.flow

\* /metro-0-72-4-tgz/package/src/ModuleGraph/worker/generateImportNames.js.flow

\* /metro-0-72-4-tgz/package/src/lib/logToConsole.js.flow

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# 1.1351 jest-extended 3.2.4

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## 1.1354 metro-resolver 0.72.4

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## 1.1355 @octokit/types 9.3.2

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## 1.1358 metro-transform-plugins 0.72.4

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\* /metro-cache-0-72-4-tgz/package/src/stores/HttpGetStore.js

\* /metro-cache-0-72-4-tgz/package/src/stores/FileStore.js

\* /metro-cache-0-72-4-tgz/package/src/stores/HttpError.js

\* /metro-cache-0-72-4-tgz/package/src/stores/HttpStore.js

\* /metro-cache-0-72-4-tgz/package/src/stores/NetworkError.js

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```
* /metro-cache-0-72-4-tgz/package/src/stableHash.js.flow
* /metro-cache-0-72-4-tgz/package/src/index.js.flow
```

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```
*
```

```
* @format
```

```
* @flow strict
```

```
*/
```

Found in path(s):

```
* /metro-cache-0-72-4-tgz/package/src/stores/NetworkError.js.flow
* /metro-cache-0-72-4-tgz/package/src/stores/HttpError.js.flow
```

# 1.1363 jest-watch-typeahead 2.2.2

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## 1.1369 pac-proxy-agent 6.0.4

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## 1.1370 ansi-escapes 6.2.0

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### 22.12.0

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# 1.1389 execa 7.2.0

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# 1.1390 @react-native-community/cli-hermes

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# 1.1399 array.prototype.findlastindex 1.2.2

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## 1.1404 metro-source-map 0.72.4

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## 1.1405 @octokit/plugin-rest-endpoint-methods 7.2.3

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* /metro-file-map-0-72-4-tgz/package/src/getMockName.js.flow
* /metro-file-map-0-72-4-tgz/package/src/lib/normalizePathSep.js.flow
* /metro-file-map-0-72-4-tgz/package/src/lib/dependencyExtractor.js.flow
* /metro-file-map-0-72-4-tgz/package/src/lib/fast_path.js.flow
* /metro-file-map-0-72-4-tgz/package/src/workerExclusionList.js.flow
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*
```

```
* @format
```

```
*/
```

Found in path(s):

```
* /metro-file-map-0-72-4-tgz/package/src/watchers/WatchmanWatcher.js
```

## 1.1416 @octokit/plugin-paginate-rest 6.1.2

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## 1.1417 metro-react-native-babel-preset 0.72.4

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## 1.1418 @octokit/endpoint 7.0.6

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## 1.1428 jest-util 29.6.2

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## 1.1429 metro-core 0.72.4

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## 1.1432 shiki 0.14.3

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## 1.1437 metro-minify-uglify 0.72.4

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# 1.1438 @react-native-community/cli 9.3.2

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## 1.1443 vscode-oniguruma 1.7.0

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# 1.1444 cosmiconfig-typescript-loader 4.4.0

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