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1.1 libjpeg 6b

1.1.1 Notifications :

This software is based in part on the work of the Independent JPEG Group.

1.1.2 Available under license :

The Independent JPEG Group's JPEG software
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README for release 6b of 27-Mar-1998
==========

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This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

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DOCUMENTATION
ROADMAP
==========

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

JPEG is intended for compressing
"real-world" scenes; line drawings, cartoons and other non-realistic images
are not its strong suit. JPEG is lossy, meaning that the output image is not
exactly identical to the input image. Hence you must not use JPEG if you
have to have identical output bits. However, on typical photographic images,
very good compression levels can be obtained with no visible change, and
remarkably high compression levels are possible if you can tolerate a
low-quality image. For more details, see the references, or just experiment
with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive
compression processes. Provision is made for supporting all variants of these
processes, although some uncommon parameter settings aren't implemented yet.
For legal reasons, we are not distributing code for the arithmetic-coding
variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting
the
hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files,
plus two sample applications "cjpeg" and "djpeg", which use the library to
perform conversion between JPEG and some other popular image file formats.
The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included
considerable functionality beyond the bare JPEG coding/decoding capability;
for example, the color quantization modules are not strictly part of JPEG
decoding, but they are essential for output to colormapped file formats or
colormapped displays. These extra functions can be compiled out of the
library if not required for a particular application. We have also included
"jpegtran", a utility for lossless transcoding between different JPEG
processes, and "rdjpgcom" and "wrjpgcom", two simple applications for
inserting and extracting textual comments
in JFIF files.

The emphasis in designing this software has been on achieving portability and
flexibility, while also making it fast enough to be useful. In particular,
the software is not intended to be read as a tutorial on JPEG. (See the
REFERENCES section for introductory material.) Rather, it is intended to
be reliable, portable, industrial-strength code. We do not claim to have
achieved that goal in every aspect of the software, but we strive for it.

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must acknowledge somewhere in your documentation that
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by the usual distribution terms of the Free Software Foundation; principally,
that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf.
It is copyright by the Free Software Foundation but is freely distributable.
The same holds for its supporting scripts (config.guess, config.sub,
ltconfig, ltmain.sh). Another support script, install-sh, is copyright
by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic
coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the unpatented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has
been removed altogether, and the GIF writer has been simplified to produce
"uncompressed GIFs". This technique does not use the LZW algorithm; the
resulting GIF files are larger than usual, but are readable by all standard
GIF decoders.

We are required to state that
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REFERENCES
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We
highly recommend reading one or more of these references before trying to
understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is
Wallace, Gregory K. "The JPEG Still Picture Compression Standard",
Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44.
(Adjacent articles in that issue discuss MPEG motion picture compression,
applications of JPEG, and related topics.) If you don't have the CACM issue
handy, a PostScript file containing a revised version of Wallace's article is
available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually
a preprint for an article that appeared in IEEE Trans. Consumer Electronics)
omits the sample images that appeared in CACM, but it includes corrections
and some added material. Note: the Wallace article is copyright ACM and IEEE,
and it may not be used for commercial purposes.

A somewhat less technical, more
leisurely introduction to JPEG can be found in
"The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by
M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides
good explanations and example C code for a multitude of compression methods
including JPEG. It is an excellent source if you are comfortable reading C
code but don't know much about data compression in general. The book's JPEG
sample code is far from industrial-strength, but when you are ready to look
at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data
Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published
by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US$59.95, 638 pp.
The book includes the complete text of the ISO JPEG standards (DIS 10918-1
and draft DIS 10918-2). This is by far the most complete exposition of JPEG
in existence, and we highly recommend it.

The
JPEG standard itself is not available electronically; you must order a
paper copy through ISO or ITU. (Unless you feel a need to own a certified
official copy, we recommend buying the Pennebaker and Mitchell book instead;
it's much cheaper and includes a great deal of useful explanatory material.)
In the USA, copies of the standard may be ordered from ANSI Sales at (212)
642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI
doesn't take credit card orders, but Global does.) It's not cheap: as of
1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7%
shipping/handling. The standard is divided into two parts, Part 1 being the
actual specification, while Part 2 covers compliance testing methods. Part 1
is titled "Digital Compression and Coding of Continuous-tone Still Images,
Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS
10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of
Continuous-tone Still
Images, Part 2: Compliance testing" and has document
numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3,

a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net

release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
and other news.answers
archive sites, including the official news.answers
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send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
==========

Numerous viewing and image manipulation programs now support JPEG. (Quite a
few of them use this library to do so.) The JPEG FAQ described above lists
some of the more popular free and shareware viewers, and tells where to
obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free
PBMPLUS software, which provides many useful operations on PPM-format image
files. In particular, it can convert PPM images to and from a wide range of
other formats, thus making cjpeg/djpeg considerably more useful. The latest
version is distributed by the NetPBM group, and is available from numerous
sites,
notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.
Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is;
you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford,
is available from ftp://havefun.stanford.edu/pub/jpeg/. This program
is designed for research and experimentation rather than production use;
it is slower, harder to use, and less portable than the IJG code, but it
is easier to read and modify. Also, the PVRG code supports lossless JPEG,
which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
==========

Some JPEG programs produce files that are not compatible with our library.
The root of the problem is that the ISO JPEG committee failed to specify a
concrete file format. Some vendors "filled in the blanks" on their own,

creating proprietary formats that no one else could read.
(For example, none
of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether
SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without
sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.2 log4cxx 0.10.0

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1.4 glibc 2.19

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1.6 boost 1.58.0

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"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
 <title>Copyright Test</title>
 <articleinfo>
   <copyright>
     <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
   </copyright>
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     <year>2018</year> <holder>Joe Blow, John Coe</holder>
```

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  </copyright>
  <copyright>
    <year>1977</year> <year>1985</year> <holder>Someone else</holder>
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 </articleinfo>
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HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
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The SPARC specific code was
 originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied
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specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the
 experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

1.9 base-passwd 3.5.29

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1.12 curl 7.61.0

1.13 libwww 5.4.2

1.13.1 Available under license :

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Version 2, June 1991

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1.14 libxml2 2.9.9

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1.15 berkeley-db 6.0.30

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*
* $Id$
*/

#include "db_config.h"

#include
 "db_int.h"
#include "dbinc/blob.h"
#include "dbinc/crypto.h"
#include "dbinc/db_page.h"
#include "dbinc/db_swap.h"
#include "dbinc/btree.h"
#include "dbinc/lock.h"
#include "dbinc/mp.h"
#include "dbinc/partition.h"
#include "dbinc/fop.h"

static void __bam_init_meta __P((DB *, BTMETA *, db_pgno_t, DB_LSN *));
```

```
/*
* __bam_open --
* Open a btree.
*
* PUBLIC: int __bam_open __P((DB *, DB_THREAD_INFO *,
* PUBLIC:      DB_TXN *, const char *, db_pgno_t, u_int32_t));
*/
int
__bam_open(dbp, ip, txn, name, base_pgno, flags)
 DB *dbp;
 DB_THREAD_INFO *ip;
 DB_TXN *txn;
 const char *name;
 db_pgno_t base_pgno;
 u_int32_t flags;
{
 BTREE *t;

 COMPQUIET(name, NULL);
 t = dbp->bt_internal;

 /*
  * We don't permit the user to specify a prefix routine if they didn't
  * also specify a comparison routine, they can't know enough about our
  * comparison routine to get it right.
  */
 if (t->bt_compare == __bam_defcmp && t->bt_prefix != __bam_defpfx)
 {
  __db_errx(dbp->env, DB_STR("1006",
"prefix comparison may not be specified for default comparison routine"));
  return (EINVAL);
 }

 /*
  * Verify that the bt_minkey value specified won't cause the
  * calculation of ovflsize to underflow [#2406] for this pagesize.
  */
 if (B_MINKEY_TO_OVFLSIZE(dbp, t->bt_minkey, dbp->pgsize) >
     B_MINKEY_TO_OVFLSIZE(dbp, DEFMINKEYPAGE, dbp->pgsize)) {
  __db_errx(dbp->env, DB_STR_A("1007",
      "bt_minkey value of %lu too high for page size of %lu",
      "%lu %lu"), (u_long)t->bt_minkey, (u_long)dbp->pgsize);
  return (EINVAL);
 }

 /* Start up the tree. */
 return (__bam_read_root(dbp, ip, txn, base_pgno, flags));
}
```

```
/*
* __bam_metachk --
*
* PUBLIC: int __bam_metachk __P((DB *, const char *, BTMETA *));
*/
int
__bam_metachk(dbp, name, btm)
 DB *dbp;
 const char *name;
 BTMETA *btm;
{
 ENV *env;
 u_int32_t vers;
 int ret;

 env = dbp->env;
 ret = 0;

 /*
  * At this point, all we know
 is that the magic number is for a Btree.
  * Check the version, the database may be out of date.
  */
 vers = btm->dbmeta.version;
 if (F_ISSET(dbp, DB_AM_SWAP))
  M_32_SWAP(vers);
 switch (vers) {
 case 6:
 case 7:
  __db_errx(env, DB_STR_A("1008",
     "%s: btree version %lu requires a version upgrade",
     "%s %lu"), name, (u_long)vers);
  return (DB_OLD_VERSION);
 case 8:
 case 9:
 case 10:
  break;
 default:
  __db_errx(env, DB_STR_A("1009",
     "%s: unsupported btree version: %lu", "%s %lu"),
     name, (u_long)vers);
  return (EINVAL);
 }

 /* Swap the page if we need to. */
 if (F_ISSET(dbp, DB_AM_SWAP) &&
    (ret = __bam_mswap(env, (PAGE *)btm)) != 0)
```

```
 return (ret);

/*
 * Check application info against metadata info, and set info, flags,
 * and type based on metadata info.
 */
if ((ret =
    __db_fchk(env, "DB->open", btm->dbmeta.flags, BTM_MASK)) != 0)
 return (ret);

if (F_ISSET(&btm->dbmeta, BTM_RECNO)) {
 if (dbp->type
== DB_BTREE)
  goto wrong_type;
 dbp->type = DB_RECNO;
 DB_ILLEGAL_METHOD(dbp, DB_OK_RECNO);
} else {
 if (dbp->type == DB_RECNO)
  goto wrong_type;
 dbp->type = DB_BTREE;
 DB_ILLEGAL_METHOD(dbp, DB_OK_BTREE);
}

if (F_ISSET(&btm->dbmeta, BTM_DUP))
 F_SET(dbp, DB_AM_DUP);
else
 if (F_ISSET(dbp, DB_AM_DUP)) {
  __db_errx(env, DB_STR_A("1010",
 "%s: DB_DUP specified to open method but not set in database",
      "%s"), name);
  return (EINVAL);
 }

if (F_ISSET(&btm->dbmeta, BTM_RECNUM)) {
 if (dbp->type != DB_BTREE)
  goto wrong_type;
 F_SET(dbp, DB_AM_RECNUM);

 if ((ret = __db_fcchk(env,
     "DB->open", dbp->flags, DB_AM_DUP, DB_AM_RECNUM)) != 0)
  return (ret);
} else
 if (F_ISSET(dbp, DB_AM_RECNUM)) {
  __db_errx(env, DB_STR_A("1011",
    "%s: DB_RECNUM specified to open method but not set in database",
      "%s"), name);
  return (EINVAL);
 }
```

```
if (F_ISSET(&btm->dbmeta, BTM_FIXEDLEN)) {
 if (dbp->type != DB_RECNO)
  goto
wrong_type;
 F_SET(dbp, DB_AM_FIXEDLEN);
} else
 if (F_ISSET(dbp, DB_AM_FIXEDLEN)) {
  __db_errx(env, DB_STR_A("1012",
"%s: DB_FIXEDLEN specified to open method but not set in database",
  "%s"), name);
  return (EINVAL);
 }

if (F_ISSET(&btm->dbmeta, BTM_RENUMBER)) {
 if (dbp->type != DB_RECNO)
  goto wrong_type;
 F_SET(dbp, DB_AM_RENUMBER);
} else
 if (F_ISSET(dbp, DB_AM_RENUMBER)) {
  __db_errx(env, DB_STR_A("1013",
    "%s: DB_RENUMBER specified to open method but not set in database",
      "%s"), name);
  return (EINVAL);
 }

if (F_ISSET(&btm->dbmeta, BTM_SUBDB))
 F_SET(dbp, DB_AM_SUBDB);
else
 if (F_ISSET(dbp, DB_AM_SUBDB)) {
  __db_errx(env, DB_STR_A("1014",
    "%s: multiple databases specified but not supported by file",
      "%s"), name);
  return (EINVAL);
 }

if (F_ISSET(&btm->dbmeta, BTM_DUPSORT)) {
 if (dbp->dup_compare == NULL)
  dbp->dup_compare = __bam_defcmp;
 F_SET(dbp, DB_AM_DUPSORT);
}
else
 if (dbp->dup_compare != NULL) {
  __db_errx(env, DB_STR_A("1015",
 "%s: duplicate sort specified but not supported in database",
      "%s"), name);
  return (EINVAL);
 }
```

```
#ifdef HAVE_COMPRESSION
 if (F_ISSET(&btm->dbmeta, BTM_COMPRESS)) {
  F_SET(dbp, DB_AM_COMPRESS);
  if ((BTREE *)dbp->bt_internal != NULL &&
      !DB_IS_COMPRESSED(dbp) &&
      (ret = __bam_set_bt_compress(dbp, NULL, NULL)) != 0)
   return (ret);
 } else {
  if ((BTREE *)dbp->bt_internal != NULL &&
      DB_IS_COMPRESSED(dbp)) {
   __db_errx(env, DB_STR_A("1016",
 "%s: compresssion specified to open method but not set in database",
       "%s"), name);
   return (EINVAL);
  }
 }
#else
 if (F_ISSET(&btm->dbmeta, BTM_COMPRESS)) {
  __db_errx(env, DB_STR_A("1017",
      "%s: compression support has not been compiled in", "%s"),
      name);
  return (EINVAL);
 }
#endif

 /* Set the page size. */
 dbp->pgsize = btm->dbmeta.pagesize;

 dbp->blob_threshold = btm->blob_threshold;
 GET_BLOB_FILE_ID(env,
 btm, dbp->blob_file_id, ret);
 if (ret != 0)
  return (ret);
 GET_BLOB_SDB_ID(env, btm, dbp->blob_sdb_id, ret);
 if (ret != 0)
  return (ret);
 /* Blob databases must be upgraded. */
 if (vers == 9 && (dbp->blob_file_id != 0 || dbp->blob_sdb_id != 0)) {
     __db_errx(env, DB_STR_A("1207",
"%s: databases that support blobs must be upgraded.", "%s"),
      name);
  return (EINVAL);
 }
#ifndef HAVE_64BIT_TYPES
 if (dbp->blob_file_id != 0 || dbp->blob_sdb_id != 0) {
  __db_errx(env, DB_STR_A("1199",
      "%s: blobs require 64 integer compiler support.", "%s"),
```

```
    name);
 return (EINVAL);
 }
#endif

 /* Copy the file's ID. */
 memcpy(dbp->fileid, btm->dbmeta.uid, DB_FILE_ID_LEN);

 return (0);

wrong_type:
 if (dbp->type == DB_BTREE)
  __db_errx(env, DB_STR("1018",
    "open method type is Btree, database type is Recno"));
 else
  __db_errx(env, DB_STR("1019",
    "open method type is Recno, database type is Btree"));
 return
 (EINVAL);
}

/*
* __bam_read_root --
* Read the root page and check a tree.
*
* PUBLIC: int __bam_read_root __P((DB *,
* PUBLIC:      DB_THREAD_INFO *, DB_TXN *, db_pgno_t, u_int32_t));
*/
int
__bam_read_root(dbp, ip, txn, base_pgno, flags)
 DB *dbp;
 DB_THREAD_INFO *ip;
 DB_TXN *txn;
 db_pgno_t base_pgno;
 u_int32_t flags;
{
 BTMETA *meta;
 BTREE *t;
 DBC *dbc;
 DB_LOCK metalock;
 DB_MPOOLFILE *mpf;
 int ret, t_ret;

 COMPQUIET(flags, 0);

 meta = NULL;
 t = dbp->bt_internal;
 LOCK_INIT(metalock);
```

```
mpf = dbp->mpf;
ret = 0;

/* Get a cursor.  */
if ((ret = __db_cursor(dbp, ip, txn, &dbc,
    F_ISSET(dbp, DB_AM_RECOVER) ? DB_RECOVER : 0)) != 0)
 return (ret);

/* Get the metadata page. */
if ((ret =
    __db_lget(dbc, 0, base_pgno, DB_LOCK_READ, 0, &metalock)) != 0)
 goto err;
if ((ret = __memp_fget(mpf, &base_pgno, ip, dbc->txn, 0, &meta)) != 0)
 goto err;

/*
 * If the magic number is set, the tree has been
created.  Correct
 * any fields that may not be right.  Note, all of the local flags
 * were set by DB->open.
 *
 * Otherwise, we'd better be in recovery or abort, in which case the
 * metadata page will be created/initialized elsewhere.
 *
 * Ignore the last_pgno on the metadata page for snapshot transactions:
 * we may be reading an old version of the page, and we've already
 * set last_pgno from the file size.  The only time this would matter
 * is if we don't have ftruncate and there are some free pages at the
 * end of the file: we could end up with holes.
 */
if (meta->dbmeta.magic == DB_BTREEMAGIC) {
 t->bt_minkey = meta->minkey;
 t->re_pad = (int)meta->re_pad;
 t->re_len = meta->re_len;

 t->bt_meta = base_pgno;
 t->bt_root = meta->root;
 t->revision = dbp->mpf->mfp->revision;
 if (PGNO(meta) == PGNO_BASE_MD &&
     !F_ISSET(dbp, DB_AM_RECOVER) &&
     (txn == NULL || !F_ISSET(txn, TXN_SNAPSHOT)) && (ret =
     __memp_set_last_pgno(mpf,
meta->dbmeta.last_pgno)) != 0)
  goto err;
} else {
 DB_ASSERT(dbp->env,
     IS_RECOVERING(dbp->env) || F_ISSET(dbp, DB_AM_RECOVER));
}
```

```
 /*
  * !!!
  * If creating a subdatabase, we've already done an insert when
  * we put the subdatabase's entry into the master database, so
  * our last-page-inserted value is wrongly initialized for the
  * master database, not the subdatabase we're creating.  I'm not
  * sure where the *right* place to clear this value is, it's not
  * intuitively obvious that it belongs here.
  */
 t->bt_lpgno = PGNO_INVALID;

err: /* Put the metadata page back. */
 if (meta != NULL && (t_ret = __memp_fput(mpf,
     ip, meta, dbc->priority)) != 0 && ret == 0)
  ret = t_ret;
 if ((t_ret = __LPUT(dbc, metalock)) != 0 && ret == 0)
  ret = t_ret;

 if ((t_ret = __dbc_close(dbc)) != 0 && ret == 0)
  ret = t_ret;
 return (ret);
}

/*
* __bam_init_meta --
*
* Initialize a btree meta-data page.  The following fields may
 need
* to be updated later: last_pgno, root.
*/
static void
__bam_init_meta(dbp, meta, pgno, lsnp)
 DB *dbp;
 BTMETA *meta;
 db_pgno_t pgno;
 DB_LSN *lsnp;
{
 BTREE *t;
#ifdef HAVE_PARTITION
 DB_PARTITION *part;
#endif
 ENV *env;

 env = dbp->env;
 t = dbp->bt_internal;

 memset(meta, 0, sizeof(BTMETA));
```

```
 meta->dbmeta.lsn = *lsnp;
 meta->dbmeta.pgno = pgno;
 meta->dbmeta.magic = DB_BTREEMAGIC;
 meta->dbmeta.version = DB_BTREEVERSION;
 meta->dbmeta.pagesize = dbp->pgsize;
 if (F_ISSET(dbp, DB_AM_CHKSUM))
  FLD_SET(meta->dbmeta.metaflags, DBMETA_CHKSUM);
 if (F_ISSET(dbp, DB_AM_ENCRYPT)) {
  meta->dbmeta.encrypt_alg = env->crypto_handle->alg;
  DB_ASSERT(env, meta->dbmeta.encrypt_alg != 0);
  meta->crypto_magic = meta->dbmeta.magic;
 }
 meta->dbmeta.type = P_BTREEMETA;
 meta->dbmeta.free = PGNO_INVALID;
 meta->dbmeta.last_pgno = pgno;
 if (F_ISSET(dbp, DB_AM_DUP))
  F_SET(&meta->dbmeta, BTM_DUP);
 if (F_ISSET(dbp, DB_AM_FIXEDLEN))
  F_SET(&meta->dbmeta,
 BTM_FIXEDLEN);
 if (F_ISSET(dbp, DB_AM_RECNUM))
  F_SET(&meta->dbmeta, BTM_RECNUM);
 if (F_ISSET(dbp, DB_AM_RENUMBER))
  F_SET(&meta->dbmeta, BTM_RENUMBER);
 if (F_ISSET(dbp, DB_AM_SUBDB))
  F_SET(&meta->dbmeta, BTM_SUBDB);
 if (dbp->dup_compare != NULL)
  F_SET(&meta->dbmeta, BTM_DUPSORT);
#ifdef HAVE_COMPRESSION
 if (DB_IS_COMPRESSED(dbp))
  F_SET(&meta->dbmeta, BTM_COMPRESS);
#endif
 if (dbp->type == DB_RECNO)
  F_SET(&meta->dbmeta, BTM_RECNO);
 memcpy(meta->dbmeta.uid, dbp->fileid, DB_FILE_ID_LEN);

 meta->minkey = t->bt_minkey;
 meta->re_len = t->re_len;
 meta->re_pad = (u_int32_t)t->re_pad;
 meta->blob_threshold = dbp->blob_threshold;
 SET_BLOB_META_FILE_ID(meta, dbp->blob_file_id, BTMETA);
 SET_BLOB_META_SDB_ID(meta, dbp->blob_sdb_id, BTMETA);

#ifdef HAVE_PARTITION
 if ((part = dbp->p_internal) != NULL) {
  meta->dbmeta.nparts = part->nparts;
  if (F_ISSET(part, PART_CALLBACK))
   FLD_SET(meta->dbmeta.metaflags, DBMETA_PART_CALLBACK);
```

```
 if (F_ISSET(part,
PART_RANGE))
  FLD_SET(meta->dbmeta.metaflags, DBMETA_PART_RANGE);
 }
#endif
}

/*
* __bam_new_file --
* Create the necessary pages to begin a new database file.
*
* This code appears more complex than it is because of the two cases (named
* and unnamed).  The way to read the code is that for each page being created,
* there are three parts: 1) a "get page" chunk (which either uses malloc'd
* memory or calls __memp_fget), 2) the initialization, and 3) the "put page"
* chunk which either does a fop write or an __memp_fput.
*
* PUBLIC: int __bam_new_file __P((DB *,
* PUBLIC:      DB_THREAD_INFO *, DB_TXN *, DB_FH *, const char *));
*/
int
__bam_new_file(dbp, ip, txn, fhp, name)
 DB *dbp;
 DB_THREAD_INFO *ip;
 DB_TXN *txn;
 DB_FH *fhp;
 const char *name;
{
 BTMETA *meta;
 DBT pdbt;
 DB_LSN lsn;
 DB_MPOOLFILE *mpf;
 DB_PGINFO pginfo;
 ENV *env;
 PAGE *root;
 db_pgno_t pgno;
 int ret, t_ret;
 void *buf;

 env = dbp->env;
 mpf =
 dbp->mpf;
 root = NULL;
 meta = NULL;
 buf = NULL;

 if (F_ISSET(dbp, DB_AM_INMEM)) {
  /* Build the meta-data page. */
```

```
pgno = PGNO_BASE_MD;
if ((ret = __memp_fget(mpf, &pgno,
    ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &meta)) != 0)
 return (ret);
LSN_NOT_LOGGED(lsn);
__bam_init_meta(dbp, meta, PGNO_BASE_MD, &lsn);
meta->root = 1;
meta->dbmeta.last_pgno = 1;
if ((ret =
    __db_log_page(dbp, txn, &lsn, pgno, (PAGE *)meta)) != 0)
 goto err;
ret = __memp_fput(mpf, ip, meta, dbp->priority);
meta = NULL;
if (ret != 0)
 goto err;

/* Build the root page. */
pgno = 1;
if ((ret = __memp_fget(mpf, &pgno,
    ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &root)) != 0)
 goto err;
P_INIT(root, dbp->pgsize, 1, PGNO_INVALID, PGNO_INVALID,
    LEAFLEVEL, dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE);
LSN_NOT_LOGGED(root->lsn);
if ((ret =
    __db_log_page(dbp, txn, &root->lsn, pgno, root)) != 0)
 goto err;
ret =
__memp_fput(mpf, ip, root, dbp->priority);
root = NULL;
if (ret != 0)
 goto err;
} else {
memset(&pdbt, 0, sizeof(pdbt));

/* Build the meta-data page. */
pginfo.db_pagesize = dbp->pgsize;
pginfo.flags =
    F_ISSET(dbp, (DB_AM_CHKSUM | DB_AM_ENCRYPT | DB_AM_SWAP));
pginfo.type = dbp->type;
pdbt.data = &pginfo;
pdbt.size = sizeof(pginfo);
if (dbp->blob_threshold) {
 if ((ret = __blob_generate_dir_ids(dbp, txn,
     &dbp->blob_file_id)) != 0)
  return (ret);

 }
```

```
  if ((ret = __os_calloc(env, 1, dbp->pgsize, &buf)) != 0)
   return (ret);
  meta = (BTMETA *)buf;
  LSN_NOT_LOGGED(lsn);
  __bam_init_meta(dbp, meta, PGNO_BASE_MD, &lsn);
  meta->root = 1;
  meta->dbmeta.last_pgno = 1;
  if ((ret = __db_pgout(
      dbp->dbenv, PGNO_BASE_MD, meta, &pdbt)) != 0)
   goto err;
  if ((ret = __fop_write(env, txn, name, dbp->dirname,
      DB_APP_DATA, fhp,
      dbp->pgsize, 0, 0, buf, dbp->pgsize, 1, F_ISSET(
      dbp, DB_AM_NOT_DURABLE)
 ? DB_LOG_NOT_DURABLE : 0)) != 0)
   goto err;
  meta = NULL;

  /* Build the root page. */
#ifdef DIAGNOSTIC
  memset(buf, CLEAR_BYTE, dbp->pgsize);
#endif
  root = (PAGE *)buf;
  P_INIT(root, dbp->pgsize, 1, PGNO_INVALID, PGNO_INVALID,
      LEAFLEVEL, dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE);
  LSN_NOT_LOGGED(root->lsn);
  if ((ret =
      __db_pgout(dbp->dbenv, root->pgno, root, &pdbt)) != 0)
   goto err;
  if ((ret =
      __fop_write(env, txn, name, dbp->dirname, DB_APP_DATA,
      fhp, dbp->pgsize, 1, 0, buf, dbp->pgsize, 1, F_ISSET(
      dbp, DB_AM_NOT_DURABLE) ? DB_LOG_NOT_DURABLE : 0)) != 0)
   goto err;
  root = NULL;
 }

err: if (buf != NULL)
  __os_free(env, buf);
 else {
  if (meta != NULL &&
      (t_ret = __memp_fput(mpf, ip,
      meta, dbp->priority)) != 0 && ret == 0)
   ret = t_ret;
  if (root != NULL &&
      (t_ret = __memp_fput(mpf, ip,
      root, dbp->priority)) != 0 && ret == 0)
   ret = t_ret;
```

```
 }
 return (ret);
}

/*
 * __bam_new_subdb --
* Create a metadata page and a root page for a new btree.
*
* PUBLIC: int __bam_new_subdb __P((DB *, DB *, DB_THREAD_INFO *, DB_TXN *));
*/
int
__bam_new_subdb(mdbp, dbp, ip, txn)
 DB *mdbp, *dbp;
 DB_THREAD_INFO *ip;
 DB_TXN *txn;
{
 BTMETA *meta;
 DBC *dbc;
 DB_LOCK metalock;
 DB_LSN lsn;
 DB_MPOOLFILE *mpf;
 ENV *env;
 PAGE *root;
 int ret, t_ret;

 env = mdbp->env;
 mpf = mdbp->mpf;
 dbc = NULL;
 meta = NULL;
 root = NULL;

 if (dbp->blob_threshold) {
  if ((ret = __blob_generate_dir_ids(dbp, txn,
      &dbp->blob_sdb_id)) != 0)
   return (ret);
 }

 if ((ret = __db_cursor(mdbp, ip, txn,
     &dbc, CDB_LOCKING(env) ?  DB_WRITECURSOR : 0)) != 0)
  return (ret);

 /* Get, and optionally create the metadata page. */
 if ((ret = __db_lget(dbc,
     0, dbp->meta_pgno, DB_LOCK_WRITE, 0, &metalock)) != 0)
  goto err;
 if ((ret = __memp_fget(mpf, &dbp->meta_pgno,
     ip, txn, DB_MPOOL_CREATE | DB_MPOOL_DIRTY, &meta))
```

```
 != 0)
  goto err;

 /* Build meta-data page. */
 lsn = meta->dbmeta.lsn;
 __bam_init_meta(dbp, meta, dbp->meta_pgno, &lsn);
 if ((ret = __db_log_page(mdbp,
     txn, &meta->dbmeta.lsn, dbp->meta_pgno, (PAGE *)meta)) != 0)
  goto err;

 /* Create and initialize a root page. */
 if ((ret = __db_new(dbc,
     dbp->type == DB_RECNO ? P_LRECNO : P_LBTREE, NULL, &root)) != 0)
  goto err;
 root->level = LEAFLEVEL;

 if (DBENV_LOGGING(env) &&
#if !defined(DEBUG_WOP)
     txn != NULL &&
#endif

     (ret = __bam_root_log(mdbp, txn, &meta->dbmeta.lsn, 0,
     meta->dbmeta.pgno, root->pgno, &meta->dbmeta.lsn)) != 0)
  goto err;

 meta->root = root->pgno;
 if ((ret =
     __db_log_page(mdbp, txn, &root->lsn, root->pgno, root)) != 0)
  goto err;

 /* Release the metadata and root pages. */
 if ((ret = __memp_fput(mpf, ip, meta, dbc->priority)) != 0)
  goto err;
 meta = NULL;
 if ((ret = __memp_fput(mpf, ip, root, dbc->priority)) != 0)
  goto err;
 root = NULL;
err:
 if
 (meta != NULL)
  if ((t_ret = __memp_fput(mpf, ip,
  meta, dbc->priority)) != 0 && ret == 0)
   ret = t_ret;
 if (root != NULL)
  if ((t_ret = __memp_fput(mpf, ip,
  root, dbc->priority)) != 0 && ret == 0)
   ret = t_ret;
 if ((t_ret = __LPUT(dbc, metalock)) != 0 && ret == 0)
```

```
 ret = t_ret;
if (dbc != NULL)
 if ((t_ret = __dbc_close(dbc)) != 0 && ret == 0)
  ret = t_ret;
return (ret);
}
```

1.16 mingetty 1.08

1.16.1 Available under license :

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1.17 tcp-wrappers 7.6

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1.18 bind 9.11.4

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* configure.ac, Makefile.am: The original versions were derived from the
 ones in the XML Catalog Manager project, version 2.2.

 Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
 derived form the ones in the Monotone project, revision
 3a0982da308228d796df35f98d787c5cff2bb5b6.

 Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
 These files were derived from the file_handle, systembuf, pipe and pistream
 classes and tests found in the Boost.Process library.

 Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh,
 admin/check-style-common.awk,
 admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
 except the first one, were first implemented in the Buildtool project.
 They were later adapted to be part of Boost.Process and, during that
 process, the shell script was created.

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==========

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

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 xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
 xmlns:xi="http://www.w3.org/2001/XInclude"
 xmlns:db="http://docbook.org/ns/docbook">

 <xsl:template name="isc.copyright.format">
   <xsl:param name="text"/>
   <xsl:value-of select="$isc.copyright.leader"/>
   <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
   <xsl:text>&#10;</xsl:text>
   <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
   <xsl:if test="translate($rest, '&#9;&#32;', '')">

     <xsl:call-template name="isc.copyright.format">
       <xsl:with-param name="text" select="$rest"/>
     </xsl:call-template>
   </xsl:if>
 </xsl:template>

 <xsl:variable name="isc.copyright.text">
   <xsl:text>
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  </xsl:text>
 </xsl:variable>

 <xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
   <xsl:with-param name="text">
    <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
   <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
      <xsl:value-of select="$isc.copyright.breakline"/>
  <xsl:text>&#10;</xsl:text>
 </xsl:for-each>
 <xsl:value-of
 select="$isc.copyright.text"/>
   </xsl:with-param>
  </xsl:call-template>
 </xsl:variable>
</xsl:stylesheet>

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 - Local variables:
 - mode: sgml
 - End:
-->
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1.19 kerberos 1.17

1.20 mbed-tls 2.16.2

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1.23 json-c 0.13.1

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1.24 zeromq 4.2.3

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1.25 cyrus-sasl 2.1.20

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1.30 netkit-telnet 0.17

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--- end ---
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This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was
originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied
the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the

experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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:toc:
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necessary support infrastructure for `mp_list` and `std::tuple`
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1.34 which 2.21

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I would like to thank the following people (in alphabetical order):

- Seth Arnold, for contributing to the documentation.
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- Jan-Rudolph Bhrmann, for helping me get started on the 64-bit multi-
 precision integer library.
- Luca Filipozzi, (former) maintainer/packager of BeeCrypt for Debian GNU/Linux.
- Jeff Johnson, the guy behind RedHat's Package Manager, who has inspired
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- Anibal Monsalve Salazar, (current) maintainer/packager of BeeCrypt for
 Debian GNU/Linux.
- Jon Sturgeon, bug hunter extraordinaire.

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- ARM Ltd, for donating a copy of "ARM Architecture Reference Manual".
- HP/Compaq, for their testdrive program, which gave me the opportunity to
 test and BeeCrypt on many new
 platforms.
- FSF France, for providing me with access to the GCC Compile Farm.
- SourceForge, for their excellent open source development platform.

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reported bugs, provided feedback, or works on including BeeCrypt in any
other distros.

If I've missed anyone, it's due to oversight. Drop me a line and I'll
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1.37 lm-sensors 3.4.0

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
Original author of sensord.
* Bob Schlaermann
Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
Many improvements to the libsensors configuration file scanner.
* Jean Delvare
New libsensors API, and migration of sensors and sensord thereto.
Many optimizations in libsensors and sensors.
Configuration file converter.
Rewrite of sensors-detect.
Support for multiple configuration files in libsensors.

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1.41 tcp-wrappers 7.6

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1.42 libnl3 3.5.0

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1.43 libusb-compat 0.1.7

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1.45 websocketpp 0.8.2

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base64.cpp and base64.h

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L. Peter Deutsch
ghost@aladdin.com

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1.46 pixman 0.40.0

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1.47 jansson 2.13.1

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1.49 libidn 1.36

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

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1.50 json-c 0.15

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from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

@item
A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a ``work that uses the Library''. Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a ``work that uses the Library'' with the Library
creates an executable that is a derivative of the Library (because
it
contains portions of the Library), rather than a ``work that uses the
library''. The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a ``work that uses the Library'' uses material from a header file
that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise,
if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

@item
As an exception to the Sections above, you may also combine or link a ``work that uses the Library'' with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of
this License. Also, you must do one
of these things:

@enumerate a
@item
Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable ``work that uses the Library'', as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

@item
Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable,
and (2) will operate
properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

@item
Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

@item
If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

@item
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
@end enumerate

For an executable, the required form of the ``work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that
is
normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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permitted, and provided that you do these two things:

@enumerate a
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 uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

@item
Give prominent notice with the combined library of the fact
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@subheading END OF TERMS AND CONDITIONS

@page
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file to most effectively
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@end
smallexample

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice

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form) with the major components (compiler, kernel, and so on) of the
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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS

@end ifinfo

@page
@heading Appendix: How to Apply These Terms to Your New Programs

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the ``copyright'' line and a pointer to where the full notice is found.

@smallexample
@var{one line to give the program's name
and a brief idea of what it does.}
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@end smallexample

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If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

@smallexample
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69, Copyright (C) @var{year} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show
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commands you use may be called something other than @samp{show w} and
@samp{show c}; they could even be mouse-clicks or menu items---whatever
suits your program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a ``copyright disclaimer'' for the program, if
necessary. Here is a sample; alter the names:

@example
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
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1.58 boost 1.75.0

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////

[#mpl]
MPL Support, <boost/mp11/mpl.hpp>
:toc:
:toc-title:
:idprefix:

The header `<boost/mp11/mpl.hpp>`, when included, defines the
necessary support infrastructure for `mp_list` and `std::tuple`
to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

It's also possible to only enable support for `mp_list` by
including `<boost/mp11/mpl_list.hpp>`, and for `std::tuple`
by including `<boost/mp11/mpl_tuple.hpp>`. This may be required
because some libraries, such as Boost.Fusion, contain their own MPL
support for `std::tuple`, which conflicts with Mp11's one.
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<html>
 <head></head>
 <body>
  <h3>
   Copyright Test
  </h3>

   1963, 1964, 1965 Jane Doe

   2018 Joe Blow, John Coe

   1977, 1985 Someone else

 </body>
</html>
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<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">

```
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xmlns:xi="http://www.w3.org/2001/XInclude">
 <title>Copyright Test</title>
 <articleinfo>
  <copyright>
   <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
  </copyright>
  <copyright>
   <year>2018</year> <holder>Joe Blow, John Coe</holder>
  </copyright>
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   <year>1977</year> <year>1985</year> <holder>Someone else</holder>
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 </articleinfo>
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1.63 visual-studio-runtime 14.00.24210.0

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1. Seti UI - A subtle dark colored UI theme for Atom. (https://github.com/jesseweed/seti-ui)

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1.68 libpcap 1.10.1

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1.76 curl 7.79.1

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1.77 grpc 1.36.4

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1.79 ncurses 6.3

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1.80 libgcrypt 1.9.4

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the
ordinary GNU General Public
License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
^L
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6,

whether or not they are linked directly with the Library itself.
^L
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a)
Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will
operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that
is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.
^L
7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined
with any other library
facilities. This must be distributed under the terms of the
Sections above.

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
the Library except as expressly provided under this License. Any
attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your
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or rights, from you under this License will not have their licenses
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9. You are not required to accept this License, since you have not
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10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
^L
11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

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12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License
may add an explicit geographical distribution limitation excluding those
countries, so that distribution is permitted only in or among
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the limitation as if written in the body of this License.

13. The Free Software Foundation
may publish revised and/or new
versions of the Lesser General Public License from time to time.
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but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library
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"any later version", you have the option of following the terms and
conditions either of that version or of any later version published by
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license version number, you may choose any version ever published by
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14. If you wish to incorporate parts of the Library into other free
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write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this.
Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

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WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW.
EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY
KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
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PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE
LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME
THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

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AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED

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END OF TERMS AND CONDITIONS

^L

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file
to most
effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston,
MA 02111-1307 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or
your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

 Yoyodyne, Inc., hereby disclaims all copyright interest in the
 library `Frob' (a library for tweaking knobs) written by James
Random Hacker.

 <signature of Ty Coon>, 1 April 1990
 Ty Coon, President of Vice

That's all there is to it!

1.83 libpwquality 1.4.4

1.83.1 Available under license :

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

/*
* pw.c
*
* AAA password routines, adopted from IOX
*
* January 2005, Naiming Shen
* July 2005, Craig MacFarlane
*
* Copyright (c) 2005, 2007, 2010, 2014-2015, 2018 by cisco Systems, Inc.
* All rights reserved.
*
*--
* pw.c -- password encryption/decryption routines
*
* May 08 2000, Mark Eklund
*
* Copyright (c) 2002-2005, 2007, 2010, 2014-2015, 2018 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /pw-tar/pw/src/pw.c
No license file was found, but licenses were detected in source scan.

/*
* pw_defs.h

*
* Password defines.
*
* July 2005, Craig MacFarlane
*
* Copyright (c) 2005, 2007, 2010, 2014, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*
*/

Found in path(s):
* /pw-tar/pw/include/pw_defs.h
No license file was found, but licenses were detected in source scan.

/*
* pw.h
*
* Password routines, adopted from IOX
*
* May 2000 Mark Eklund
* July 2005, Craig MacFarlane
*
* Copyright (c) 2000-2005, 2007, 2010, 2014, 2018 by cisco Systems, Inc.
* All rights reserved.
*/
/*
* edt: * pw_type_t
*   Possible formats of saving the password in SysDB.
*
* item: PW_TYPE_CLEAR
*   The password in the clear, visible for anybody.
*
* item: PW_TYPE_1WAY
*   The password encrypted to an MD5 digest. This is not reversible.
*
* item: PW_TYPE_1WAY_2
*   The password encrypted to an sha256 digest. This is not reversible.
*
* item: PW_TYPE_2WAY
*   The Cisco type 7 password encryption. This is reversible
* by both Cisco products and several public domain programs.
*/

Found in path(s):
* /pw-tar/pw/include/pw.h
No license file was found, but licenses were detected in source scan.

All rights reserved.

Found in path(s):
* /pw-tar/pw/Makefile.binos
No license file was found, but licenses were detected in source scan.

```
/*
* pw_const.tph
*
* Copyright (c) 2019 by Cisco Systems, Inc.
* All rights reserved.
*/

@DIRECTIVES{
  auto_import_stg = false;
  skip_auto_tdl_include = true;
}@

@IMPORT_STG{
  import "constant_gen.stg";
}@

@TDL{
  import "pw_const.tdl"
}@

@CODE{

#ifndef __TDLC_GEN_PW_CONST_H__
#define __TDLC_GEN_PW_CONST_H__

  $constant_generate()$

#endif /* __TDLC_GEN_PW_CONST_H__ */

}@
```

Found in path(s):
* /pw-tar/pw/include/pw_const.tph

1.84 glibc 2.35

1.84.1 Available under license :

```
@c The GNU Lesser General Public License.
@center Version 2.1, February 1999

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.
```

@display
Copyright @copyright{} 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
@end display

@subheading Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software---to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software---typically
libraries---of the Free
Software Foundation and other authors who decide to use it. You can use
it too, but we suggest you first think carefully about whether this
license or the ordinary General Public License is the better strategy to
use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of it
in new free programs; and that you are informed that you can do these
things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library
or if you modify it.

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling

it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation
will not be affected by problems that might be
introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative
of the original library. The ordinary
General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be

allowed to use the library. A more frequent case is that a free library does the
same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a ``work based on the library'' and a ``work that uses the library''. The former
contains code derived from the library, whereas the latter must be combined with the library in order to run.

@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0
@item
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called ``this License''). Each licensee is addressed as ``you''.

A ``library'' means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The ``Library'', below, refers to any such software library or work which has been distributed under these terms. A ``work based on the Library'' means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it,
either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term ``modification''.)

``Source code'' for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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You may copy and distribute
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complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

@item
You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

@enumerate a
@item
The modified work must itself be a software library.

@item
You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

@item
You must
cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

@item

If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)
@end enumerate

These requirements apply to the modified work as a whole. If
identifiable sections
 of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
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this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
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exercise the right to control the distribution of derivative or
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In addition, mere aggregation of another work not based on the Library
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You may opt to apply the terms of the ordinary GNU General Public
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ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

@item
You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and
2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

@item
A program that contains no derivative of any portion of the
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linked with it, is called a ``work that uses the Library''. Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a ``work that uses the Library'' with the Library
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it
contains portions of the Library), rather than a ``work that uses the
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Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative

work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

 Otherwise,
 if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

@item
As an exception to the Sections above, you may also combine or
link a ``work that uses the Library'' with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

 You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of
 this License. Also, you must do one
of these things:

@enumerate a
@item
Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable ``work that
uses the Library'', as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

@item
Use a suitable shared library mechanism for linking with the Library. A
suitable mechanism is one that (1) uses at run time a copy of the
library already present on the user's computer system, rather than
copying library functions into the executable,
 and (2) will operate
properly with a modified version of the library, if the user installs
one, as long as the modified version is interface-compatible with the

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```
<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
 xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
 xmlns:xi="http://www.w3.org/2001/XInclude"
 xmlns:db="http://docbook.org/ns/docbook">

 <xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
     <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
 </xsl:template>

 <xsl:variable name="isc.copyright.text">
  <xsl:text>
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  </xsl:text>
 </xsl:variable>

 <xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
   <xsl:with-param name="text">
     <xsl:for-each select="db:book/db:info/db:copyright | db:refentry/db:docinfo/db:copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
   <xsl:with-param name="years" select="db:year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="db:holder"/>
       <xsl:value-of select="$isc.copyright.breakline"/>
  <xsl:text>&#10;</xsl:text>
 </xsl:for-each>
 <xsl:value-of
 select="$isc.copyright.text"/>
   </xsl:with-param>
  </xsl:call-template>
 </xsl:variable>
</xsl:stylesheet>
```

<!--
 - Local variables:
 - mode: sgml
 - End:
-->
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1.87 curl 7.82.0

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1.89 elfutils 0.186

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1.92 dhcp 4.4.3

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
 xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
 xmlns:xi="http://www.w3.org/2001/XInclude"
 xmlns:db="http://docbook.org/ns/docbook">

 <xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
     <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
 </xsl:template>

 <xsl:variable name="isc.copyright.text">
  <xsl:text>
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    License, v. 2.0. If a copy of the MPL was not distributed with this
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  </xsl:text>
 </xsl:variable>

 <xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
   <xsl:with-param name="text">
     <xsl:for-each select="db:book/db:info/db:copyright | db:refentry/db:docinfo/db:copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
   <xsl:with-param name="years" select="db:year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="db:holder"/>
       <xsl:value-of select="$isc.copyright.breakline"/>
  <xsl:text>&#10;</xsl:text>
```

```
 </xsl:for-each>
 <xsl:value-of
 select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
 </xsl:variable>
</xsl:stylesheet>

<!--
 - Local variables:
 - mode: sgml
 - End:
-->
```


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1.94 cryptsetup 2.4.3

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1.96 tdb 1.46.5

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were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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```
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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
 @echo " MKDIR pic"
 @mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:  $(BSD_LIB)

$(BSD_LIB): $(OBJS)
 (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
 $(MV) pic/$(BSD_LIB) .
 $(RM) -f ../$(BSD_LIB)
 (cd ..; $(LN) $(LINK_BUILD_FLAGS) \
  `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
 @echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
 @$(INSTALL_PROGRAM) $(BSD_LIB) \
  $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
 @-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
 $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
 $(RM)
```

-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Index: tdbsa/tdb.c
==========

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
 /*
-   Unix SMB/CIFS implementation.
+   trivial database library - standalone version

-   trivial database library - private includes
-
-   Copyright (C) Andrew Tridgell   2005
+   Copyright (C) Andrew Tridgell   1999-2005
+   Copyright (C) Jeremy Allison   2000-2006
+   Copyright (C) Paul `Rusty' Russell   2000

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    ** library. This does NOT imply that all of Samba is released
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Gadi Oxman, August 1995

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If distribution of object code is made by offering access to copy
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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This package was put together by Yann Dirson <dirson@debian.org>,
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1.103 talloc 2.3.3

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/*
Unix SMB/CIFS implementation.
Samba temporary memory allocation functions

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1.104 gperftools 2.9.1

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1.105 strace 5.16

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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<one line to give the program's name and a brief idea of what it does.>
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==========

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    - The scripts to grep, diff, and view compressed files have been
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      under GNU GPLv2+.

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      are under GNU GPLv2+ or GNU
 GPLv3+. None of these files end up
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If you have questions, don't hesitate to ask the author(s) for more
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1.113 coreutils 9.0

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1.114 ipmi-tool 1.8.18

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1.115 unzip 6.0

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This is the Info-ZIP file COPYING (for UnZip), last updated 17 Jul 2000.

FIRST NOTE:
This file contains some details about the copyright history of
contributions to the UnZip project.
Additionally, it summarises some exceptions to the general BSD-like
copyright found in LICENSE that covers our generic code and most of
the system specific ports.
Please read LICENSE first to find out what is allowed to do with
Info-ZIP's UnZip code.

- -

There are currently two explicit copyrights on portions of UnZip
code (at least, of which Info-ZIP is aware):
Jim Luther's Mac OS File Manager interface code; and Christopher Evans'
MacBinaryIII coding code (for the MacOS port).. These copyrights
are discussed in more detail below.

All remaining
code is now (starting with UnZip version 5.41) covered
by the new Info-ZIP license. For details, please read the acompaning
file LICENSE. The terms and conditions in this license supersede the
copyright conditions of the contributions by Igor Mandrichenko
(vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c),
Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket
UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompresseion
core routines, previously put into the public domain). All these
Info-ZIP contributors (or "primary" authors) have permitted us to
replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip
are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys
claims a patent on LZW encoding and on LZW decoding _in an apparatus
that performs LZW encoding_, but the patent appears to exempt a stand-
alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed
otherwise, but the issue has never been tested in court. Since this
point is unclear, unshrinking is not enabled by default. It is the
responsibility of the user to make his or her peace with Unisys and
its licensing requirements. (unshrink.c may be removed from future
releases altogether.)

The original unzip source code has been extensively modified and
almost entirely rewritten (changes include random zipfile access
rather than sequential; replacement of unimplode() with explode();
replacement of old unshrink() with new (unrelated) unshrink(); re-
placement of output routines; addition of inflate(), wildcards,
filename-mapping, text translation, ...; etc.). As far as we can
tell, only the core code of the unreduce method remained substantially
similar to Mr. Smith's original source. As of UnZip
5.42, the complete
core code is now covered by the Info-ZIP Licence. Therefore, support
for the reduce method has been removed.
The drop of the reduce method should only affect some test archives,
reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is
needed, the unreduce code copyrighted by Samuel H. Smith is available
as a separate distribution (the restricted copyright of this code is
cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code
(macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

```
  * MoreFiles
  *
  * A collection of File Manager and related routines
  *
  * by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
  * with significant code contributions by Nitin Ganatra
  * (Apple Macintosh Developer Technical Support Emeritus)
  * Copyright  1992-1998
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  * Portions copyright  1995 Jim Luther
  * All rights reserved.
  * The Package "More Files" is distributed under the following
  * license terms:
  *
  *         "You may incorporate this sample code into your
  *          applications without restriction, though the
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  *          responsibility for its operation is 100% yours.
  *          However, what you are not permitted to do is to
  *          redistribute the source as "DSC Sample Code" after
  *          having made changes. If you're going to
  *          redistribute the source, we require that you make
  *          it clear in the source that the code was descended
  *          from Apple Sample Code, but that you've made
  *          changes."
```

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Info-ZIP license, they do not add further restrictions.

The following
copyright applies to the Mac OS "macbin3" decoding code
(extra field compatibility with ZipIt):

```
  *  MacBinaryIII.h
  *
  *  Copyright 1997 Christopher Evans (cevans@poppybank.com)
  *
  *  Basic encoding and decoding of Macintosh files to the
  *  MacBinary III spec.
```

```
   * ----------------------------------------------------------------------
   * This source is copyrighted by Christopher Evans (cevans@poppybank.com)
   * (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
   * homepage of Leonard Rosenthol  leonardr@netcom.com)
```

This copyright note does not contain any usage terms. So, we assume
that this code is freely reusable until we are proved wrong...

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original authors. They are cited here for historical reasons,
only:

The following copyright applies to the full-featured unreduce.c
(now distributed separately):

```
   * Copyright 1989 Samuel H. Smith;  All rights reserved
   *
   * Do not distribute modified versions without my permission.
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   * If you use this in your own program you must distribute source code.
   * Do not use any of this in a commercial product.
```

Regarding the first stipulation, Mr. Smith was tracked down in southern
California some years back [Samuel H. Smith, The Tool Shop; as of mid-
May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),
71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that
he has no objection to the Info-ZIP group's inclusion of his code.
His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten
and by default
no longer contains any of Mr. Smith's code, Info-ZIP
remains indebted and grateful to him. We hope he finds our contribu-
tions as useful as we have his.

Note that the third and fourth stipulations still apply to any com-
pany that wishes to incorporate the unreduce code into its products;
if you wish to do so, you must contact Mr. Smith directly regarding
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The following copyright applied to most of the VMS code in vms.c,

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```
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```

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```
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```

The following copyright applied to the Windows DLL code (windll/*),
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```
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```

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```
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  * written by the Info-ZIP group, are copyrighted 1997 by Steve P.
  * Miller.  The product "Pocket UnZip" itself is property of the
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```

The remaining code was written by many people associated with the

Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBS in the source distribution for a much
more complete list of contributors.
 The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
as public domain code.

1.116 time 1.9

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Version 3, 29 June 2007

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1.123 sysvinit-inittab 2.88dsf

1.123.1 Available under license :

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Found in path(s):
* /sysvinit-inittab-2.88dsf-r10.0.src.rpm-cosi-expand-archive-qTgsRCyW/sysvinit-inittab.spec

1.124 update-rc-d 0.8

1.124.1 Available under license :

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#!/bin/sh
#
update-rc.d Update the links in /etc/rc[0-9S].d/
#
(c) 2003, 2004 Phil Blundell <pb@handhelds.org>
#
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```
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initd="/etc/init.d"
etcd="/etc/rc"
notreally=0
force=0
dostart=0
verbose=0

usage()
{
 cat >&2 <<EOF
usage: update-rc.d [-n] [-f] [-r <root>] <basename> remove
       update-rc.d [-n] [-r <root>] [-s] <basename> defaults [NN | sNN kNN]
       update-rc.d [-n] [-r <root>] [-s] <basename> start|stop NN runlvl [runlvl] [...] .
  -n: not
 really
  -f: force
  -v: verbose
  -r: alternate root path (default is /)
  -s: invoke start methods if appropriate to current runlevel
EOF
}

checklinks()
{
 local i dn fn remove=0
 if [ "x$1" = "xremove" ]; then
  echo " Removing any system startup links for $bn ..."
  remove=1
 fi

 for i in 0 1 2 3 4 5 6 7 8 9 S; do
  dn="${etcd}${i}.d"
  if [ ! -d $dn ]; then
   continue;
  fi
  for f in ${dn}/[SK]??${bn}; do
   if [ -L $f ]; then
    if [ $remove -eq 0 ]; then
     return 1
    fi
    echo "  $f"
    if [ $notreally -eq 1 ]; then
     continue
    fi
    rm $f
   fi
```

```
 done
done

return 0
}

dolink()
{
startstop=$1
lev=`echo $2 | cut -d/ -f1`
nn=`echo $2 | cut -d/ -f2`
fn="${etcd}${lev}.d/${startstop}${nn}${bn}"
[ $verbose -eq 1 ] && echo "  $fn -> ../init.d/$bn"
if [ $notreally -eq 0 ]; then
 mkdir -p `dirname $fn`
 ln -s ../init.d/$bn $fn
fi
if [ $dostart -eq 1 ] && [ $startstop = "S" ] && [ $lev = $RUNLEVEL ]; then
 $fn start || true
fi
}

makelinks()
{
if ! checklinks;
then
 echo " System startup links for $initd/$bn already exist."
 if [ $dostart -eq 1 ] && [ $notreally -eq 0 ] && [ -L ${etcd}${RUNLEVEL}.d/S??${bn} ]; then
  ${etcd}${RUNLEVEL}.d/S??${bn} restart || true
 fi
 exit 0
fi

echo " Adding system startup for $initd/$bn."

for i in $startlinks; do
 dolink S $i
done
for i in $stoplinks; do
 dolink K $i
done
}

while [ $# -gt 0 ]; do
case $1 in
 -n) notreally=1
  shift
  continue
```

```
  ;;
 -v) verbose=1
  shift
  continue
  ;;
 -f) force=1
  shift
  continue
  ;;
 -s) dostart=1
  shift
  continue
  ;;
 -r)     shift
  root=$1
  initd="${root}${initd}"
  etcd="${root}${etcd}"
  shift
  ;;
 -h | --help)
  usage
  exit 0
  ;;
 -*)
  usage
  exit 1
  ;;
 *)
  break
  ;;
 esac
done

if [ $# -lt 2 ]; then
 usage
 exit 1
fi

bn=$1
shift

sn=$initd/$bn
if [ -L "$sn" -a -n "$root" ]; then
 if which readlink >/dev/null; then
  while true; do
   linksn="$(readlink "$sn")"
   if [ -z "$linksn" ]; then
    break
```

```
  fi

  sn="$linksn"
  case
 "$sn" in
   /*) sn="$root$sn" ;;
   *)  sn="$initd/$sn" ;;
  esac
 done
 else
  echo "update-rc.d: readlink tool not present, cannot check whether \
    $sn symlink points to a valid file." >&2
 fi
fi

if [ $1 != "remove" ]; then
 if [ ! -f "$sn" ]; then
  echo "update-rc.d: $initd/$bn: file does not exist" >&2
  exit 1
 fi
else
 if [ -f "$sn" ]; then
  if [ $force -eq 1 ]; then
   echo "update-rc.d: $initd/$bn exists during rc.d purge (continuing)" >&2
  else
   echo "update-rc.d: $initd/$bn exists during rc.d purge (use -f to force)" >&2
   exit 1
  fi
 fi
fi

if [ $dostart -eq 1 ]; then
 #RUNLEVEL=`sed 's/.*\[\(.*\)\]/\1/' < /proc/1/cmdline`
 RUNLEVEL=`runlevel | cut -d" " -f2`
 if [ "x$RUNLEVEL" = "x" ]; then
  echo "Unable to determine current runlevel" >&2
  exit 1
 fi
fi

case $1 in
 remove)
  checklinks "remove"
  ;;

 defaults)
  if [ $# -gt 3 ]; then
   echo "defaults takes only one or two arguments" >&2
```

```
 usage
 exit 1
fi
start=20
stop=20
if
[ $# -gt 1 ]; then
 start=$2
 stop=$2
fi
if [ $# -gt 2 ]; then
 stop=$3
fi
start=`printf %02d $start`
stop=`printf %02d $stop`
stoplinks="0/$stop 1/$stop 6/$stop"
startlinks="2/$start 3/$start 4/$start 5/$start"
makelinks
;;

start | stop)
while [ $# -gt 0 ]; do
 if [ $1 = "start" ]; then
  letter=S
 elif [ $1 = "stop" ]; then
  letter=K
 else
  echo "expected start or stop" >&2
  usage
  exit 1
 fi
 shift
 NN=`printf %02d $(expr $1 + 0)`
 shift
 while [ "x$1" != "x." ]; do
  if [ $# -eq 0 ]; then
   echo "action with list of runlevels not terminated by \`." >&2
   exit 1
  fi
  level=$1
  shift
  case $letter in
   S) startlinks="$startlinks $level/$NN" ;;
   K) stoplinks="$stoplinks $level/$NN" ;;
  esac
 done
 shift
done
```

```
 makelinks
 ;;

*)
 usage
 exit 1
 ;;
esac
```

Found in path(s):
* /update-rc-d-0-8-e8e1267e-d911-11ea-8a10-0487ae13f3ca-tgz/update-rc-d-0-8-22e0692898-tar-bz2/update-rc.d-0.8-22e0692898/git/update-rc.d

1.125 iconv 2.35

1.125.1 Available under license :

```
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@center Version 2.1, February 1999

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

@display
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[This is the first released version of the Lesser GPL.  It also counts
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a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)
@end enumerate

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from a designated place, then offering equivalent access to copy the
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distribute the source code, even though third parties are not
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@item
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

@item
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@enumerate a
@item
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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable ``work that
uses the Library'', as object code and/or source code, so that the
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that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
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@item
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and (2) will operate
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@item
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@enumerate a
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facilities. This must be distributed under the terms of the
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@item
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@subheading END OF TERMS AND CONDITIONS

@page
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These requirements apply to the modified work as a whole. If identifiable sections of that work
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

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and only if you
received the program in object code or executable form with such
an offer, in accord with Subsection b above.)

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1.126 python-ply 3.11

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PLY (Python Lex-Yacc) Version 3.11

[![Build Status](https://travis-ci.org/dabeaz/ply.svg?branch=master)](https://travis-ci.org/dabeaz/ply)

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Introduction
============

PLY is a 100% Python implementation of the common parsing tools lex
and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc.
  If you know how to use these tools in C, you will find PLY
  to be similar.

- PLY provides *very* extensive error reporting and diagnostic
  information to assist in parser construction. The original
  implementation was developed for instructional purposes. As
  a result, the system tries to identify the most common types
  of errors made by novice users.

- PLY provides full support for empty productions, error recovery,
  precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient,
  better suited to large grammars, and which has a number of nice
  properties when dealing with syntax errors and other parsing problems.
  Currently, PLY builds its parsing tables using the LALR(1)
  algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers.
  This greatly simplifies the task of parser construction since it reduces
  the number of files and eliminates the need to run a separate lex/yacc
  tool before running your program.

- PLY can be used to build parsers for "real" programming languages.
  Although it is not ultra-fast due to its Python implementation,
  PLY can be used to parse grammars consisting of several hundred
  rules (as might be found for a language like C). The lexer and LR
  parser are also reasonably efficient when parsing typically
  sized programs. People have used PLY to build parsers for
  C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files : lex.py and yacc.py. These are contained
within the 'ply' directory which may also be used as a Python package.
To use PLY, simply copy the 'ply' directory to your project and import
lex and yacc from the associated 'ply' package. For example:

```
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py
individually and use them as modules. For example:

```
   import lex
   import yacc
```

The file setup.py can be used to install
ply using distutils.

The file doc/ply.html contains complete documentation on how to use
the system.

The example directory contains several different examples including a
PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
============
PLY requires the use of Python 2.6 or greater. However, you should
use the latest Python release if possible. It should work on just
about any platform. PLY has been tested with both CPython and Jython.
It also seems to work with IronPython.

Resources
=========
More information about PLY can be obtained on the PLY webpage at:

```
   http://www.dabeaz.com/ply
```

For a detailed overview of parsing theory, consult the excellent
book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and
Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown
may also be useful.

The GitHub page for PLY can be found at:

```
   https://github.com/dabeaz/ply
```

An old and
relatively inactive discussion group for PLY is found at:

```
   http://groups.google.com/group/ply-hack
```

Acknowledgments
===============
A special thanks is in order for all of the students in CS326 who
suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x.
Andrew Waters and Markus Schoepflin were instrumental in reporting bugs
and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
==========
PLY-3.0 the first PLY release to support Python 3. However, backwards
compatibility with Python 2.6 is still preserved. PLY provides dual
Python 2/3 compatibility by restricting its implementation to a common
subset of basic language features. You should not convert PLY using
2to3--it is not necessary and may in fact break the implementation.

Example
=======

Here is a simple example showing a PLY implementation
 of a calculator
with variables.

```
  # -----------------------------------------------------------------------------
  # calc.py
  #
  # A simple calculator with variables.
  # -----------------------------------------------------------------------------

  tokens = (
     'NAME','NUMBER',
     'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
     'LPAREN','RPAREN',
     )

  # Tokens

  t_PLUS    = r'\+'
  t_MINUS   = r'-'
  t_TIMES   = r'\*'
  t_DIVIDE  = r'/'
  t_EQUALS  = r'='
  t_LPAREN  = r'\('
  t_RPAREN  = r'\)'
  t_NAME    = r'[a-zA-Z_][a-zA-Z0-9_]*'

  def t_NUMBER(t):
     r'\d+'
     t.value = int(t.value)
     return t
```

```
  # Ignored characters
  t_ignore = " \t"

  def t_newline(t):
      r'\n+'
      t.lexer.lineno += t.value.count("\n")

  def t_error(t):
      print("Illegal character '%s'" % t.value[0])
      t.lexer.skip(1)

  # Build the lexer
  import ply.lex as lex
  lex.lex()

  # Precedence
rules for the arithmetic operators
  precedence = (
      ('left','PLUS','MINUS'),
      ('left','TIMES','DIVIDE'),
      ('right','UMINUS'),
      )

  # dictionary of names (for storing variables)
  names = { }

  def p_statement_assign(p):
      'statement : NAME EQUALS expression'
      names[p[1]] = p[3]

  def p_statement_expr(p):
      'statement : expression'
      print(p[1])

  def p_expression_binop(p):
      '''expression : expression PLUS expression
                    | expression MINUS expression
                    | expression TIMES expression
                    | expression DIVIDE expression'''
      if p[2] == '+'  : p[0] = p[1] + p[3]
      elif p[2] == '-': p[0] = p[1] - p[3]
      elif p[2] == '*': p[0] = p[1] * p[3]
      elif p[2] == '/': p[0] = p[1] / p[3]

  def p_expression_uminus(p):
      'expression : MINUS expression %prec UMINUS'
      p[0] = -p[2]
```

```
  def p_expression_group(p):
      'expression : LPAREN
 expression RPAREN'
      p[0] = p[2]

  def p_expression_number(p):
      'expression : NUMBER'
      p[0] = p[1]

  def p_expression_name(p):
      'expression : NAME'
      try:
          p[0] = names[p[1]]
      except LookupError:
          print("Undefined name '%s'" % p[1])
          p[0] = 0

  def p_error(p):
      print("Syntax error at '%s'" % p.value)

  import ply.yacc as yacc
  yacc.yacc()

  while True:
      try:
          s = raw_input('calc > ')   # use input() on Python 3
      except EOFError:
          break
      yacc.parse(s)
```

Bug Reports and Patches
==========
My goal with PLY is to simply have a decent lex/yacc implementation
for Python. As a general rule, I don't spend huge amounts of time
working on it unless I receive very specific bug reports and/or
patches to fix problems. I also try to incorporate submitted feature
requests and enhancements into each new version. Please visit the PLY
github page
 at https://github.com/dabeaz/ply to submit issues and pull
requests. To contact me about bugs and/or new features, please send
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Metadata-Version: 1.1
Name: ply
Version: 3.11
Summary: Python Lex & Yacc
Home-page: http://www.dabeaz.com/ply/
Author: David Beazley
Author-email: dave@dabeaz.com
License: BSD
Description-Content-Type: UNKNOWN
Description:
    PLY is yet another implementation of lex and yacc for Python. Some notable
    features include the fact that its implemented entirely in Python and it
    uses LALR(1) parsing which is efficient and well suited for larger grammars.

    PLY provides most of the standard lex/yacc features including support for empty
    productions, precedence rules, error recovery, and support for ambiguous grammars.

    PLY is extremely easy to use and provides very extensive error checking.
    It is compatible with both Python 2 and Python 3.

Platform: UNKNOWN
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python
 :: 2

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ASN.1 library for Python

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This is a free and open source implementation of ASN.1 types and codecs
as a Python package. It has been first written to support particular
protocol (SNMP) but then generalized to be suitable for a wide range
of protocols based on
[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-
E&type=items).

Features
---

*
Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.7
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was
designed long ago by the wise Ancients. Back then, they did not
have the luxury of wasting bits. That is why ASN.1 is designed
to serialise data structures of unbounded complexity into
something compact and efficient when it comes to processing
the data.

That probably explains why many network protocols and file formats
still rely on the 30+ years old technology. Including a number of
high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.
[Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html)
by

Olivier Dubuisson is one of those high quality books freely
available on the Internet.

The pyasn1 package is designed to help Python programmers tackling
network protocols and file formats at the comfort of their Python
prompt. The tool struggles to capture all aspects of a rather
complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures.
For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
 id       INTEGER,
 room  [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
  componentType = NamedTypes(
     NamedType('id', Integer()),
     OptionalNamedType(
        'room', Integer().subtype(
           implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
        )
     ),
     DefaultedNamedType(
        'house',
 Integer(0).subtype(
           implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
        )
     )
  )
```

It is in the spirit of ASN.1 to take abstract data description
and turn it into a programming language specific form.
Once you have your ASN.1 data structure expressed in Python, you
can use it along the lines of similar Python type (e.g. ASN.1
`SET` is similar to Python `dict`, `SET OF` to `list`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

Part of the power of ASN.1 comes from its serialisation features. You
can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from
network or read from a file, into a Python object which you can
introspect, modify,
 encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int,
list, dict etc.). But ASN.1 types exhibit more complicated behaviour.
To make life easier for a Pythonista, they can turn their pyasn1
classes into Python built-ins:

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of
Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```

With ASN.1 design, serialisation codecs are decoupled from data objects,
so you could turn every single ASN.1 object into many different
serialised forms. As of this moment, pyasn1 supports BER, DER, CER and
Python built-ins codecs. The extremely compact PER encoding is expected
to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the
[documentation](http://snmplabs.com/pyasn1/),
compiled ASN.1 modules for different protocols and file formats
could be found in the pyasn1-modules
[repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause
BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely
available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If
 something does not work as expected,
[open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or
post your question [on Stack Overflow](https://stackoverflow.com/questions/ask)
or try browsing pyasn1
[mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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ASN.1 library for Python
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Abstract Syntax Notation One (`ASN.1
<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>`_) is a
technology for exchanging structured data in a universally understood,
hardware agnostic way. Many industrial, security and telephony
applications heavily rely on ASN.1.

The `pyasn1 <https://pypi.org/project/pyasn1/>`_ library implements
ASN.1 support in pure-Python.

What is ASN.1

ASN.1 is a large, arguably over-engineered and extremely old data modelling and
serialisation tool. It is probably among the first serialisation protocols in
the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first
electronic mail (known as X.400). Later on if was split off the e-mail application
and become a stand-alone tech still being actively supported by its designers
and

widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the
first, unsuccessful, version of the Internet. You can read many interesting
`discussions <https://news.ycombinator.com/item?id=8871453>`_ on that topic.

In the following years, generations of software engineers tackled the serialisation
problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`_
or `FlatBuffers <https://google.github.io/flatbuffers/>`_, for example.
Interestingly, many new takes on binary protocol design do not depart
far from ASN.1 from technical perspective. It's more of a matter of striking
a balance between processing overhead, wire format overhead and human
readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types
 (integers, bits, strings, arrays and records) that can be used for describing
  arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a
 series of octets for storage or transmission over the wire as well as
 recovered back into their structured form. The system is fully agnostic
 to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms
 of a schema language for ASN.1 compiler to turn it into platform-specific
 implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely
adopted for many uses. To give you an example, these technologies
use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF,
 ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source
ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the
`statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`_ on discovered
security vulnerabilities, many people have implemented ASN.1 parsers
and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood
and security reviewed.

Documentation

.. toctree::
  :maxdepth: 2

  /pyasn1/contents

Use case

.. toctree::
  :maxdepth: 2

  /example-use-case

Download & Install

.. toctree::
  :maxdepth: 2

  /download

Changes

All changes and release history is maintained in changelog. There you
could also download the latest unreleased pyasn1 tarball containing
the latest fixes and improvements.

..
 toctree::
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  /changelog

License

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Getting help

Please, file your `issues <https://github.com/etingof/pyasn1/issues>`_
and `PRs <https://github.com/etingof/pyasn1/pulls>`_ at GitHub.
Alternatively, you could ask for help at
`Stack Overflow <http://stackoverflow.com/questions/tagged/pyasn1>`_
or search
`pyasn1-users <https://lists.sourceforge.net/lists/listinfo/pyasn1-users>`_
mailing list archive.

Books on ASN.1

The pyasn1 implementation is largely based on reading up the following awesome
books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson
* `ASN.1 Complete <http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>`_ by Prof John Larmouth

Here you can get the official standards which is hard to read:

* `ITU standards
  <http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>`_

On the other end of the readability spectrum, here is a quick and sweet write up:

* `A Layman's Guide to a Subset of ASN.1, BER, and DER <ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>`_ by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper
book on the subject.

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1.128 bzip2 1.0.8

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.129 libcap-ng 0.8.2

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If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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creates an executable that is a derivative of the Library (because it
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1.131 net-snmp 5.8

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1.132 net-tools 2.10

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1.134 apache-http-server 2.4.39

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X
This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
-->

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/>
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</script>

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<body id="manual-page" class="no-sidebar">
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<img title="<-" alt="<-" src="./images/left.gif" />

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var comments_shortname = 'httpd';
var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
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    d.write(' <\/div>');
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    s.type = 'text/javascript';
    s.async = true;
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comments_identifier;
     (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
  }
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    d.write(' Comments are disabled for this page at the moment.<\/div>');
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/***
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* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820

```
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 *
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Thanks to the following people for their input:
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 Michael Campanella (campanella@stevms.enet.dec.com)

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1.135 python3-automat 20.2.0

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1.136 python3-appdirs 1.4.4

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1.137 python3-hyperlink 21.0.0

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1.138 procps 3.3.17

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1.148 attr 2.5.1

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1.155 initscripts 1.0

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Found in path(s):
* /initscripts-1-0-r155-tar-bz2/GPLv2.patch
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--- archiver-work.orig/temp/run.do_patch.20509 1970-01-01 00:00:00.000000000 +0000
+++ archiver-work.patched/temp/run.do_patch.20509 2019-10-10 16:44:40.842809139 +0000
```

```
@@ -0,0 +1,73 @@
+def do_patch(d):
+    bb.build.exec_func('patch_do_patch', d)
+
+do_patch(d)
+
+def patch_do_patch(d):
+
    import oe.patch
+
+    patchsetmap = {
+        "patch": oe.patch.PatchTree,
+        "quilt": oe.patch.QuiltTree,
+        "git": oe.patch.GitApplyTree,
+    }
+
+    cls = patchsetmap[d.getVar('PATCHTOOL') or 'quilt']
+
+    resolvermap = {
+        "noop": oe.patch.NOOPResolver,
+        "user": oe.patch.UserResolver,
+    }
+
+    rcls = resolvermap[d.getVar('PATCHRESOLVE') or 'user']
+
+    classes = {}
+
+    s = d.getVar('S')
+
+    os.putenv('PATH', d.getVar('PATH'))
+
+    # We must use one TMPDIR per process so that the "patch" processes
+    # don't generate the same temp file name.
+
+    import tempfile
+    process_tmpdir = tempfile.mkdtemp()
+    os.environ['TMPDIR'] = process_tmpdir
+
+    for patch in src_patches(d):
+        _, _, local, _, _, parm = bb.fetch.decodeurl(patch)
+
+        if "patchdir" in parm:
+            patchdir = parm["patchdir"]
+            if not os.path.isabs(patchdir):
+                patchdir = os.path.join(s, patchdir)
+
  else:
+            patchdir = s
```

```
+
+       if not patchdir in classes:
+           patchset = cls(patchdir, d)
+           resolver = rcls(patchset, oe_terminal)
+           classes[patchdir] = (patchset, resolver)
+           patchset.Clean()
+       else:
+           patchset, resolver = classes[patchdir]
+
+       bb.note("Applying patch '%s' (%s)" % (parm['patchname'], oe.path.format_display(local, d)))
+       try:
+           patchset.Import({"file":local, "strippath": parm['striplevel']}, True)
+       except Exception as exc:
+           bb.utils.remove(process_tmpdir, True)
+           bb.fatal(str(exc))
+       try:
+           resolver.Resolve()
+       except bb.BBHandledException as e:
+           bb.utils.remove(process_tmpdir, True)
+           bb.fatal(str(e))
+
+   bb.utils.remove(process_tmpdir, True)
+   del os.environ['TMPDIR']
+
+def src_patches(d, all=False, expand=True):
+   import oe.patch
+   return oe.patch.src_patches(d, all, expand)
+
diff
 -Naur archiver-work.orig/temp/run.patch_do_patch.20509 archiver-work.patched/temp/run.patch_do_patch.20509
--- archiver-work.orig/temp/run.patch_do_patch.20509 1970-01-01 00:00:00.000000000 +0000
+++ archiver-work.patched/temp/run.patch_do_patch.20509 2019-10-10 16:44:40.843809151 +0000
@@ -0,0 +1,70 @@
+def patch_do_patch(d):
+   import oe.patch
+
+   patchsetmap = {
+       "patch": oe.patch.PatchTree,
+       "quilt": oe.patch.QuiltTree,
+       "git": oe.patch.GitApplyTree,
+   }
+
+   cls = patchsetmap[d.getVar('PATCHTOOL') or 'quilt']
+
+   resolvermap = {
+       "noop": oe.patch.NOOPResolver,
+       "user": oe.patch.UserResolver,
+   }
```

```
+
+   rcls = resolvermap[d.getVar('PATCHRESOLVE') or 'user']
+
+   classes = {}
+
+   s = d.getVar('S')
+
+   os.putenv('PATH', d.getVar('PATH'))
+
+   # We must use one TMPDIR per process so that the "patch" processes
+   # don't generate the same temp file name.
+
+   import tempfile
+   process_tmpdir = tempfile.mkdtemp()
+
   os.environ['TMPDIR'] = process_tmpdir
+
+   for patch in src_patches(d):
+       _, _, local, _, _, parm = bb.fetch.decodeurl(patch)
+
+       if "patchdir" in parm:
+           patchdir = parm["patchdir"]
+           if not os.path.isabs(patchdir):
+               patchdir = os.path.join(s, patchdir)
+       else:
+           patchdir = s
+
+       if not patchdir in classes:
+           patchset = cls(patchdir, d)
+           resolver = rcls(patchset, oe_terminal)
+           classes[patchdir] = (patchset, resolver)
+           patchset.Clean()
+       else:
+           patchset, resolver = classes[patchdir]
+
+       bb.note("Applying patch '%s' (%s)" % (parm['patchname'], oe.path.format_display(local, d)))
+       try:
+           patchset.Import({"file":local, "strippath": parm['striplevel']}, True)
+       except Exception as exc:
+           bb.utils.remove(process_tmpdir, True)
+           bb.fatal(str(exc))
+       try:
+           resolver.Resolve()
+
       except bb.BBHandledException as e:
+           bb.utils.remove(process_tmpdir, True)
+           bb.fatal(str(e))
+
```

```
+    bb.utils.remove(process_tmpdir, True)
+    del os.environ['TMPDIR']
+
+patch_do_patch(d)
+
+def src_patches(d, all=False, expand=True):
+    import oe.patch
+    return oe.patch.src_patches(d, all, expand)
+
```

Found in path(s):
* /initscripts-1-0-r155-tar-bz2/initscripts-1.0-r155-diff.gz.dir/initscripts-1.0-r155-diff

1.156 bc 1.07.1

1.156.1 Available under license :

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1.157 json-c 0.15

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1.158 python 2.7.18

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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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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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  * Optimize Java serialization of strings so that UTF-8 encoding happens only
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  * Provide a type alias field ValueType
on EnumTypeWrapper
  * Match service argument names to abstract interface

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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: liblz4
Upstream-Contact: Yann Collet <Cyan4973@github.com>
Source: https://github.com/lz4/lz4

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1.166 xoslib 8.0.0.21

1.166.1 Available under license :

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

#

Found in path(s):
* /xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/configure.ac
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/examples/include/xos_examples_utils.h/*----------
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/examples/src/interface/xos_if_eg.c/*
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_plc_c3pl.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_plc_match.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_plc_shim.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_plc_target.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_plc_types.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_ppm.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_queue.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_radix.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_random.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_rbtree.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_registry.h/*

/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_rtg.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_rtg_event.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_rtg_l3_ucast.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_rtg_shim.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_sm.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_sm_compile.h/**
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_sysinfo.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_thread.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_time_utils.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_time_utils_base.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_timer_wheels.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_types.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_vrf.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xos_vrf_lnx.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xos_wavl.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/include/xtf.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/include/xtf_event_checker.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/linux/include/xos_if_lnx.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/linux/include/xos_pak_lnx.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/linux/include/xos_vrf_lnx.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/m4/ax_cflags_gcc_option.m4#
==========
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/internal_inc/xos_atomic_internal.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/internal_inc/xos_magic_internal.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/internal_inc/xos_mem_named_internal.h
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/internal_inc/xos_mem_shm_internal.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/internal_inc/xos_thread_internal.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-

8.0.0.21/shared/internal_inc/xos_util_internal.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/ipc/xos_ipc.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/ipc/xos_ipc_debug.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/ipc/xos_ipc_fc.c/*
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/ipc/xos_ipc_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/ipc/xos_ipc_sig.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/ipc/xos_ipc_sig_condvar.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/ipc/xos_ring.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/ipc/xos_ring.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/memory/xos_mem_mgmt.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/memory/xos_mem_mgmt_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/memory/xos_mem_named.c/*----------
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/memory/xos_mem_named_internal.c
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/memory/xos_mem_named_priv.h/*----------
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/memory/xos_mem_vchunk.c/*----------
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/memory/xos_mem_vchunk_priv.h
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/net/xos_addr_debug.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/net/xos_addr_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-

8.0.0.21/shared/src/net/xos_async.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_async_priv.h/*
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_if_debug.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_if_lnx.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_if_lnx_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_if_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_if_shim.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_netinfra.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_netinfra_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_pak.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_pak_debug.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_pak_lnx.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_pak_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_pak_priv_lnx.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_plc.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_plc_debug.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_plc_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_plc_shim.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_rtg.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_rtg_debug.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_rtg_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_rtg_shim.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_vrf.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-

8.0.0.21/shared/src/net/xos_vrf_debug.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_vrf_lnx.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/net/xos_vrf_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/sysinfo/xos_sysinfo.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/sysinfo/xos_sysinfo_lnx.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/sysinfo/xos_sysinfo_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/threads/xos_thread.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/threads/xos_thread_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_mgd_timers.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_mgd_timers_debug.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_mgd_timers_non_ion_posix.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_mgd_timers_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_passive_timers.c/*
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_time_debug.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_time_utils_base_non_blob.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_time_utils_base_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_time_utils_common.c/*
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_time_utils_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_timer_wheels.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/time/xos_timer_wheels_priv.h/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/utils/xos_atomic.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/utils/xos_atomic_mips.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-

8.0.0.21/shared/src/utils/xos_atomic_ppc.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/utils/xos_atomic_sparc.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/utils/xos_atomic_x86.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/utils/xos_atomic_x86_64bi.c/*
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/utils/xos_bitlist.c/*
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/shared/src/utils/xos_intrpt_priv.h/*
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8.0.0.21/shared/src/utils/xos_lib_init.c/**
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
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8.0.0.21/shared/src/utils/xos_rbtree.c/*
$Id: rbtree.c,v 1.5 1999/03/18 01:24:22 richl Exp $
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/utils/xos_rbtree_priv.h/* $Id: rbtree.h,v 1.2 1998/10/06 01:06:52 kparne Exp $
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8.0.0.21/shared/src/utils/xos_registry.c/**
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8.0.0.21/shared/src/utils/xos_sm.c/**
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8.0.0.21/shared/src/utils/xos_strings.c/*---
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
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$Id: wavl.c,v 3.2.62.4 1996/09/07 02:08:29 snyder Exp $
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8.0.0.21/shared/src/xdm/xos_dm.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/xdm/xos_dm_cli_priv.h/* $Id:
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/shared/src/xdm/xos_dm_debug.h/*
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8.0.0.21/shared/src/xdm/xos_dm_io_kq.c/*

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/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
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/*
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8.0.0.21/test/src/utils/xos_reg_test.xreg#if 1 /*
CHECKSUM: checksum visible to CC when included in _xreg[ch] files */
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/test/src/utils/xos_reg_test.xregc/* This file is machine generated from xos_reg_test.xreg.
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-
8.0.0.21/test/src/utils/xos_reg_test.xregh/* This file is machine generated from xos_reg_test.xreg.
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/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/test/src/xdm/xos_dm_xd_test.c/*
/opt/cola/permits/1447739708_1759119893.2400212/0/xoslib-8-0-0-21-tar-gz/xoslib-8.0.0.21/test/src/xdt/xos_debug_trace_test.c/*

Found
 in path(s):
*

1.167 libarchive 3.6.2

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1.168 libidn 2.3.2

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Version 3, 29 June 2007

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1.171 jemalloc 5.3.0

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1.172 shared-mime-info 2.1

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1.176 python3-cffi 1.15.0

1.176.1 Available under license :

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1.177 binutils 2.37.50

1.177.1 Available under license :

(This file is under construction.) -*- text -*-

If you've contributed to gas and your name isn't listed here, it is
not meant as a slight. I just don't know about it. Email me,
nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into
the documentation, and info on specific files will go into an AUTHORS
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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of

the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration
including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith
Knowles at the Open Software Foundation wrote the original MIPS
back end (tc-mips.c, tc-mips.h), and contributed Rose format support
that hasn't been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format
(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions.
Steve also modified the COFF back end (obj-coffbfd) to use BFD for
some low-level operations, for use with the Hitachi, 29k and Zilog
targets.

John Gilmore built the AMD 29000 support, added .include support, and
simplified the configuration of which versions accept which
pseudo-ops. He updated the 68k machine description so that Motorola's
opcodes always produced fixed-size instructions (e.g. jsr), while

synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation
that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many
small
bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and

want to be, let us know. Some of the history has been lost;
 we aren't
intentionally leaving anyone out.

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designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed
under these terms. A "work based on the
Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent
of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must
itself be a software library.

b) You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this
function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
and can be reasonably considered independent and separate works in
themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition,
mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,

instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the
Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative
work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of
the object
file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply
a copy of this License. If the work
during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the
work with a written offer, valid for at
least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the
Library, and explaining
where to find the accompanying uncombined form of the same work.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in

certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Library General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each
version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

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IS LICENSED FREE OF CHARGE, THERE IS NO
WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>
<name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary.
Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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Version 3, 29 June 2007

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The licenses for most software and other practical works are designed
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the GNU General Public License is intended to guarantee your freedom to
share and change all versions of a program--to make sure it remains free
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any other work released this way by its authors. You can apply it to
your programs, too.

When we speak of free software, we are referring to
freedom, not
price. Our General Public Licenses are designed to make sure that you
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want it, that you can change the software or use pieces of it in new
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To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you have
certain responsibilities if you distribute copies of the software, or if
you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether
gratis or for a fee, you must pass on to the recipients the same
freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:

(1)
assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to
authors of previous versions.

Some devices are designed to deny users access to install or run
modified versions of the software inside them, although the manufacturer
can do so. This is fundamentally incompatible with the aim of
protecting users' freedom to change the software. The systematic
pattern of such abuse occurs in the area of products for individuals to
use, which is precisely where it is most unacceptable. Therefore, we
have designed this version of the GPL to prohibit the practice for those
products. If such problems arise substantially in other domains, we
stand
ready to extend this provision to those domains in future versions
of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish to
avoid the special danger that patents applied to a free program could
make it effectively proprietary. To prevent this, the GPL assures that
patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and
modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of
works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this
License. Each licensee is addressed as "you". "Licensees"
and
"recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work
in a fashion requiring copyright permission, other than the making of an

exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to

produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed;

section 10
makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately
publish on each copy an appropriate copyright notice;
keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

a) The work must carry prominent notices stating that you modified it, and giving a relevant date.

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this
License to anyone who comes into possession of a copy. This
License will therefore apply, along with any applicable section 7
additional terms, to the whole of the work, and all its parts,
regardless of how they are packaged. This License gives no
permission to license the work in any other way, but it does not
invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your
work need not make them do so.

A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution
medium, is called an
"aggregate" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate does not cause this License to apply to the other
parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms
of sections 4 and 5, provided that you also convey the
machine-readable Corresponding Source under the terms of this License,
in one of these ways:

a) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium
customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a
written offer, valid for at least three years
and valid for as
long as you offer spare parts or customer support for that product
model, to give anyone who possesses the object code either (1) a
copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in
the same way through the same place at no
further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source
as a System Library, need not be
included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization
keys, or other information required to install
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designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,

instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the
Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative
work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the
Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in

certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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Each
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year>
<name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary.
Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
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Version 2.1, February 1999

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of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we
suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
not price. Our General Public Licenses are designed to make sure that
you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

To protect your rights, we need to make restrictions that forbid
distributors to deny you these rights or to ask you to surrender these
rights. These restrictions translate to certain responsibilities for
you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis

or for a fee, you must give the
recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence
of
any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination
fits its criteria of freedom. The Lesser General
Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many

libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we
use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated

straightforwardly into another language. (Hereinafter, translation is included without
limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish
on each copy an
appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified
Library refers to a function or a
table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility

is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,
then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License
to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be
distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered
by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any

executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
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normally distributed (in either source or binary form) with
the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
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Version 3, 29 June 2007

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
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@page
@heading Appendix: How to Apply These Terms to Your New Programs

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possible use to the public, the best way to achieve this is to make it
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and a brief idea of what it does.}
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@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
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@C{[(--}
@manual{

@sect1{@title{Introduction}

Lua is a powerful, efficient, lightweight, embeddable scripting language.
It supports procedural programming,
object-oriented programming, functional programming,
data-driven programming, and data description.

Lua combines simple procedural syntax with powerful data description
constructs based on associative arrays and extensible semantics.
Lua is dynamically typed,
runs by interpreting bytecode with a register-based
virtual machine,
and has automatic memory management with
a generational garbage collection,
making it ideal for configuration, scripting,
and rapid prototyping.

Lua is implemented as a library, written in @emphx{clean C},
the common subset of @N{standard C} and C++.
The Lua distribution includes a host program called @id{lua},
which uses the Lua library to offer
 a complete,
standalone Lua interpreter,
for interactive or batch use.
Lua is intended to be used both as a powerful, lightweight,
embeddable scripting language for any program that needs one,
and as a powerful but lightweight and efficient stand-alone language.

As an extension language, Lua has no notion of a @Q{main} program:
it works @emph{embedded} in a host client,
called the @emph{embedding program} or simply the @emphx{host}.
(Frequently, this host is the stand-alone @id{lua} program.)
The host program can invoke functions to execute a piece of Lua code,
can write and read Lua variables,

and can register @N{C functions} to be called by Lua code.
Through the use of @N{C functions}, Lua can be augmented to cope with
a wide range of different domains,
thus creating customized programming languages sharing a syntactical framework.

Lua is free software,
and is provided as usual with no guarantees,
as stated in its license.
The implementation described in this manual is available
at
Lua's official web site, @id{www.lua.org}.

Like any other reference manual,
this document is dry in places.
For a discussion of the decisions behind the design of Lua,
see the technical papers available at Lua's web site.
For a detailed introduction to programming in Lua,
see Roberto's book, @emphx{Programming in Lua}.

}

@C{--}
@sect1{basic| @title{Basic Concepts}

@simplesect{

This section describes the basic concepts of the language.

}

@sect2{TypesSec| @title{Values and Types}

Lua is a dynamically typed language.
This means that
variables do not have types; only values do.
There are no type definitions in the language.
All values carry their own type.

All values in Lua are first-class values.
This means that all values can be stored in variables,
passed as arguments to other functions, and returned as results.

There are eight @x{basic types} in Lua:
@def{nil}, @def{boolean}, @def{number},
@def{string},
@def{function}, @def{userdata},
@def{thread}, and @def{table}.

The type @emph{nil} has one single value, @nil,
whose main property is to be different from any other value;
it often represents the absence of a useful value.
The type @emph{boolean} has two values, @false and @true.
Both @nil and @false make a condition false;
they are collectively called @def{false values}.
Any other value makes a condition true.
Despite its name,
@false is frequently used as an alternative to @nil,
with the key difference that @false behaves
like a regular value in a table,
while a @nil in a table represents an absent key.

The type @emph{number} represents both
integer numbers and real (floating-point) numbers,
using two @x{subtypes}: @def{integer} and @def{float}.
Standard Lua uses 64-bit integers and double-precision (64-bit) floats,
but you can also compile Lua so that it
uses 32-bit integers and/or single-precision (32-bit) floats.
The option with 32 bits for both integers and floats
is particularly
attractive
for small machines and embedded systems.
(See macro @id{LUA_32BITS} in file @id{luaconf.h}.)

Unless stated otherwise,
any overflow when manipulating integer values @def{wrap around},
according to the usual rules of two-complement arithmetic.
(In other words,
the actual result is the unique representable integer
that is equal modulo @M{2@sp{n}} to the mathematical result,
where @M{n} is the number of bits of the integer type.)

Lua has explicit rules about when each subtype is used,
but it also converts between them automatically as needed @see{coercion}.
Therefore,
the programmer may choose to mostly ignore the difference
between integers and floats
or to assume complete control over the representation of each number.

The type @emph{string} represents immutable sequences of bytes.
@index{eight-bit clean}
Lua is 8-bit clean:
strings can contain any 8-bit value,
including @x{embedded zeros} (@Char{\0}).
Lua is also encoding-agnostic;
it makes no assumptions about the contents

of a string.
The length of any string in Lua must fit in a Lua integer.

Lua can call (and manipulate) functions written in Lua and
functions written in C @see{functioncall}.
Both are represented by the type @emph{function}.

The type @emph{userdata} is provided to allow arbitrary @N{C data} to
be stored in Lua variables.
A userdata value represents a block of raw memory.
There are two kinds of userdata:
@emphx{full userdata},
which is an object with a block of memory managed by Lua,
and @emphx{light userdata},
which is simply a @N{C pointer} value.
Userdata has no predefined operations in Lua,
except assignment and identity test.
By using @emph{metatables},
the programmer can define operations for full userdata values
@see{metatable}.
Userdata values cannot be created or modified in Lua,
only through the @N{C API}.
This guarantees the integrity of data owned by
the host program and @N{C libraries}.

The type @def{thread} represents independent threads of execution
and it is used to
implement coroutines @see{coroutine}.
Lua threads are not related to operating-system threads.
Lua supports coroutines on all systems,
even those that do not support threads natively.

The type @emph{table} implements @x{associative arrays},
that is, @x{arrays} that can have as indices not only numbers,
but any Lua value except @nil and @x{NaN}.
(@emphx{Not a Number} is a special floating-point value
used by the @x{IEEE 754} standard to represent
undefined numerical results, such as @T{0/0}.)
Tables can be @emph{heterogeneous};
that is, they can contain values of all types (except @nil).
Any key associated to the value @nil is not considered part of the table.
Conversely, any key that is not part of a table has
an associated value @nil.

Tables are the sole data-structuring mechanism in Lua;
they can be used to represent ordinary arrays, lists,
symbol tables, sets, records, graphs, trees, etc.
To represent @x{records}, Lua uses the field name as an index.

The language supports this representation
by
providing @id{a.name} as syntactic sugar for @T{a["name"]}.
There are several convenient ways to create tables in Lua
@see{tableconstructor}.

Like indices,
the values of table fields can be of any type.
In particular,
because functions are first-class values,
table fields can contain functions.
Thus tables can also carry @emph{methods} @see{func-def}.

The indexing of tables follows
the definition of raw equality in the language.
The expressions @T{a[i]} and @T{a[j]}
denote the same table element
if and only if @id{i} and @id{j} are raw equal
(that is, equal without metamethods).
In particular, floats with integral values
are equal to their respective integers
(e.g., @T{1.0 == 1}).
To avoid ambiguities,
any float used as a key that is equal to an integer
is converted to that integer.
For instance, if you write @T{a[2.0] = true},
the actual key inserted into the table will be the integer @T{2}.

Tables, functions, threads, and (full) userdata values are @emph{objects}:
variables
do not actually @emph{contain} these values,
only @emph{references} to them.
Assignment, parameter passing, and function returns
always manipulate references to such values;
these operations do not imply any kind of copy.

The library function @Lid{type} returns a string describing the type
of a given value @seeF{type}.

}

@sect2{globalenv| @title{Environments and the Global Environment}

As we will discuss further in @refsec{variables} and @refsec{assignment},
any reference to a free name
(that is, a name not bound to any declaration) @id{var}
is syntactically translated to @T{_ENV.var}.

Moreover, every chunk is compiled in the scope of
an external local variable named @id{_ENV} @see{chunks},
so @id{_ENV} itself is never a free name in a chunk.

Despite the existence of this external @id{_ENV} variable and
the translation of free names,
@id{_ENV} is a completely regular name.
In particular,
you can define new variables and parameters with that name.
Each reference to a free
name uses the @id{_ENV} that is
visible at that point in the program,
following the usual visibility rules of Lua @see{visibility}.

Any table used as the value of @id{_ENV} is called an @def{environment}.

Lua keeps a distinguished environment called the @def{global environment}.
This value is kept at a special index in the C registry @see{registry}.
In Lua, the global variable @Lid{_G} is initialized with this same value.
(@Lid{_G} is never used internally,
so changing its value will affect only your own code.)

When Lua loads a chunk,
the default value for its @id{_ENV} variable
is the global environment @seeF{load}.
Therefore, by default,
free names in Lua code refer to entries in the global environment
and, therefore, they are also called @def{global variables}.
Moreover, all standard libraries are loaded in the global environment
and some functions there operate on that environment.
You can use @Lid{load} (or @Lid{loadfile})
to load a chunk with a different environment.
(In C,
you have to load the chunk and then change the value
of its first upvalue; see @See{lua_setupvalue}.)

}

@sect2{error| @title{Error Handling}

Several operations in Lua can @emph{raise} an error.
An error interrupts the normal flow of the program,
which can continue by @emph{catching} the error.

Lua code can explicitly raise an error by calling the
@Lid{error} function.
(This function never returns.)

To catch errors in Lua,
you can do a @def{protected call},
using @Lid{pcall} (or @Lid{xpcall}).
The function @Lid{pcall} calls a given function in @def{protected mode}.
Any error while running the function stops its execution,
and control returns immediately to @id{pcall},
which returns a status code.

Because Lua is an embedded extension language,
Lua code starts running by a call
from @N{C code} in the host program.
(When you use Lua standalone,
the @id{lua} application is the host program.)
Usually, this call is protected;
so, when an otherwise unprotected error occurs during
the compilation
 or execution of a Lua chunk,
control returns to the host,
which can take appropriate measures,
such as printing an error message.

Whenever there is an error,
an @def{error object}
is propagated with information about the error.
Lua itself only generates errors whose error object is a string,
but programs may generate errors with
any value as the error object.
It is up to the Lua program or its host to handle such error objects.
For historical reasons,
an error object is often called an @def{error message},
even though it does not have to be a string.

When you use @Lid{xpcall} (or @Lid{lua_pcall}, in C)
you may give a @def{message handler}
to be called in case of errors.
This function is called with the original error object
and returns a new error object.
It is called before the error unwinds the stack,
so that it can gather more information about the error,
for instance by inspecting the stack and creating a stack traceback.
This message handler is still protected by the
 protected call;
so, an error inside the message handler
will call the message handler again.
If this loop goes on for too long,
Lua breaks it and returns an appropriate message.
The message handler is called only for regular runtime errors.

It is not called for memory-allocation errors
nor for errors while running finalizers or other message handlers.

Lua also offers a system of @emph{warnings} @seeF{warn}.
Unlike errors, warnings do not interfere
in any way with program execution.
They typically only generate a message to the user,
although this behavior can be adapted from C @seeC{lua_setwarnf}.

}

@sect2{metatable| @title{Metatables and Metamethods}

Every value in Lua can have a @emph{metatable}.
This @def{metatable} is an ordinary Lua table
that defines the behavior of the original value
under certain events.
You can change several aspects of the behavior
of a value by setting specific fields in its metatable.
For instance, when a non-numeric value is the operand of an addition,
Lua
checks for a function in the field @idx{__add} of the value's metatable.
If it finds one,
Lua calls this function to perform the addition.

The key for each event in a metatable is a string
with the event name prefixed by two underscores;
the corresponding value is called a @def{metavalue}.
For most events, the metavalue must be a function,
which is then called a @def{metamethod}.
In the previous example, the key is the string @St{__add}
and the metamethod is the function that performs the addition.
Unless stated otherwise,
a metamethod may in fact be any @x{callable value},
which is either a function or a value with a @idx{__call} metamethod.

You can query the metatable of any value
using the @Lid{getmetatable} function.
Lua queries metamethods in metatables using a raw access @seeF{rawget}.

You can replace the metatable of tables
using the @Lid{setmetatable} function.
You cannot change the metatable of other types from Lua code,
except by using the @link{debuglib|debug library}.

Tables
and full userdata have individual metatables,
although multiple tables and userdata can share their metatables.

Values of all other types share one single metatable per type;
that is, there is one single metatable for all numbers,
one for all strings, etc.
By default, a value has no metatable,
but the string library sets a metatable for the string type @see{strlib}.

A detailed list of operations controlled by metatables is given next.
Each event is identified by its corresponding key.
By convention, all metatable keys used by Lua are composed by
two underscores followed by lowercase Latin letters.

@description{

@item{@idx{__add}|
the addition (@T{+}) operation.
If any operand for an addition is not a number,
Lua will try to call a metamethod.
It starts by checking the first operand (even if it is a number);
if that operand does not define a metamethod for @idx{__add},
then Lua will check the second operand.
If Lua can find a metamethod,
it calls the metamethod with the two
operands as arguments,
and the result of the call
(adjusted to one value)
is the result of the operation.
Otherwise, if no metamethod is found,
Lua raises an error.
}

@item{@idx{__sub}|
the subtraction (@T{-}) operation.
Behavior similar to the addition operation.
}

@item{@idx{__mul}|
the multiplication (@T{*}) operation.
Behavior similar to the addition operation.
}

@item{@idx{__div}|
the division (@T{/}) operation.
Behavior similar to the addition operation.
}

@item{@idx{__mod}|
the modulo (@T{%}) operation.
Behavior similar to the addition operation.

}

@item{@idx{__pow}|
the exponentiation (@T{^}) operation.
Behavior similar to the addition operation.
}

@item{@idx{__unm}|
the negation (unary @T{-}) operation.
Behavior similar to the addition operation.
}

@item{@idx{__idiv}|
the floor division (@T{//}) operation.
Behavior similar to the addition operation.
}

@item{@idx{__band}|
the bitwise AND (@T{&}) operation.
Behavior similar to the addition operation,
except that Lua will
 try a metamethod
if any operand is neither an integer
nor a float coercible to an integer @see{coercion}.
}

@item{@idx{__bor}|
the bitwise OR (@T{|}) operation.
Behavior similar to the bitwise AND operation.
}

@item{@idx{__bxor}|
the bitwise exclusive OR (binary @T{~}) operation.
Behavior similar to the bitwise AND operation.
}

@item{@idx{__bnot}|
the bitwise NOT (unary @T{~}) operation.
Behavior similar to the bitwise AND operation.
}

@item{@idx{__shl}|
the bitwise left shift (@T{<<}) operation.
Behavior similar to the bitwise AND operation.
}

@item{@idx{__shr}|
the bitwise right shift (@T{>>}) operation.

Behavior similar to the bitwise AND operation.
}

@item{@idx{__concat}|
the concatenation (@T{..}) operation.
Behavior similar to the addition operation,
except that Lua will try a metamethod
if any operand is neither a string nor a number
(which is always coercible to a string).
}

@item{@idx{__len}|
the length (@T{#}) operation.
If the object is not a string,
Lua will try its
metamethod.
If there is a metamethod,
Lua calls it with the object as argument,
and the result of the call
(always adjusted to one value)
is the result of the operation.
If there is no metamethod but the object is a table,
then Lua uses the table length operation @see{len-op}.
Otherwise, Lua raises an error.
}

@item{@idx{__eq}|
the equal (@T{==}) operation.
Behavior similar to the addition operation,
except that Lua will try a metamethod only when the values
being compared are either both tables or both full userdata
and they are not primitively equal.
The result of the call is always converted to a boolean.
}

@item{@idx{__lt}|
the less than (@T{<}) operation.
Behavior similar to the addition operation,
except that Lua will try a metamethod only when the values
being compared are neither both numbers nor both strings.
Moreover, the result of the call is always converted to a boolean.
}

@item{@idx{__le}|
the less equal (@T{<=}) operation.
Behavior similar to the less than operation.
}

@item{@idx{__index}|
The
indexing access operation @T{table[key]}.
This event happens when @id{table} is not a table or
when @id{key} is not present in @id{table}.
The metavalue is looked up in the metatable of @id{table}.

The metavalue for this event can be either a function, a table,
or any value with an @idx{__index} metavalue.
If it is a function,
it is called with @id{table} and @id{key} as arguments,
and the result of the call
(adjusted to one value)
is the result of the operation.
Otherwise,
the final result is the result of indexing this metavalue with @id{key}.
This indexing is regular, not raw,
and therefore can trigger another @idx{__index} metavalue.
}

@item{@idx{__newindex}|
The indexing assignment @T{table[key] = value}.
Like the index event,
this event happens when @id{table} is not a table or
when @id{key} is not present in @id{table}.
The metavalue is looked up in the metatable of @id{table}.

Like with indexing,
the metavalue for this event can be either a function,
a table,
or any value with an @idx{__newindex} metavalue.
If it is a function,
it is called with @id{table}, @id{key}, and @id{value} as arguments.
Otherwise,
Lua repeats the indexing assignment over this metavalue
with the same key and value.
This assignment is regular, not raw,
and therefore can trigger another @idx{__newindex} metavalue.

Whenever a @idx{__newindex} metavalue is invoked,
Lua does not perform the primitive assignment.
If needed,
the metamethod itself can call @Lid{rawset}
to do the assignment.
}

@item{@idx{__call}|
The call operation @T{func(args)}.

This event happens when Lua tries to call a non-function value
(that is, @id{func} is not a function).
The metamethod is looked up in @id{func}.
If present,
the metamethod is called with @id{func} as its first argument,
followed by the arguments of the original call (@id{args}).
All results of the call
are the results of the operation.
This is the only metamethod that allows multiple results.
}

}

In addition to
the previous list,
the interpreter also respects the following keys in metatables:
@idx{__gc} @see{finalizers},
@idx{__close} @see{to-be-closed},
@idx{__mode} @see{weak-table},
and @idx{__name}.
(The entry @idx{__name},
when it contains a string,
may be used by @Lid{tostring} and in error messages.)

For the unary operators (negation, length, and bitwise NOT),
the metamethod is computed and called with a dummy second operand,
equal to the first one.
This extra operand is only to simplify Lua's internals
(by making these operators behave like a binary operation)
and may be removed in future versions.
For most uses this extra operand is irrelevant.

Because metatables are regular tables,
they can contain arbitrary fields,
not only the event names defined above.
Some functions in the standard library
(e.g., @Lid{tostring})
use other fields in metatables for their own purposes.

It is a good practice to add all needed metamethods to a table
before setting it as a metatable of some object.
In
particular, the @idx{__gc} metamethod works only when this order
is followed @see{finalizers}.
It is also a good practice to set the metatable of an object
right after its creation.

}

@sect2{GC| @title{Garbage Collection}

@simplesect{

Lua performs automatic memory management.
This means that
you do not have to worry about allocating memory for new objects
or freeing it when the objects are no longer needed.
Lua manages memory automatically by running
a @def{garbage collector} to collect all @emph{dead} objects.
All memory used by Lua is subject to automatic management:
strings, tables, userdata, functions, threads, internal structures, etc.

An object is considered @def{dead}
as soon as the collector can be sure the object
will not be accessed again in the normal execution of the program.
(@Q{Normal execution} here excludes finalizers,
which can resurrect dead objects @see{finalizers},
and excludes also operations using the debug library.)
Note that the time when the collector can
be sure that an object
is dead may not coincide with the programmer's expectations.
The only guarantees are that Lua will not collect an object
that may still be accessed in the normal execution of the program,
and it will eventually collect an object
that is inaccessible from Lua.
(Here,
@emph{inaccessible from Lua} means that neither a variable nor
another live object refer to the object.)
Because Lua has no knowledge about @N{C code},
it never collects objects accessible through the registry @see{registry},
which includes the global environment @see{globalenv}.

The garbage collector (GC) in Lua can work in two modes:
incremental and generational.

The default GC mode with the default parameters
are adequate for most uses.
However, programs that waste a large proportion of their time
allocating and freeing memory can benefit from other settings.
Keep in mind that the GC behavior is non-portable
both across platforms and across different Lua releases;
therefore, optimal settings
are also non-portable.

You can change the GC mode and parameters by calling

@Lid{lua_gc} @N{in C}
or @Lid{collectgarbage} in Lua.
You can also use these functions to control
the collector directly (e.g., to stop and restart it).

}

@sect3{incmode| @title{Incremental Garbage Collection}

In incremental mode,
each GC cycle performs a mark-and-sweep collection in small steps
interleaved with the program's execution.
In this mode,
the collector uses three numbers to control its garbage-collection cycles:
the @def{garbage-collector pause},
the @def{garbage-collector step multiplier},
and the @def{garbage-collector step size}.

The garbage-collector pause
controls how long the collector waits before starting a new cycle.
The collector starts a new cycle when the use of memory
hits @M{n%} of the use after the previous collection.
Larger values make the collector less aggressive.
Values equal to or less than 100 mean the collector will not wait to
start a new cycle.
A value of 200 means that
the collector waits for the total memory in use
to double before starting a new cycle.
The default value is 200; the maximum value is 1000.

The garbage-collector step multiplier
controls the speed of the collector relative to
memory allocation,
that is,
how many elements it marks or sweeps for each
kilobyte of memory allocated.
Larger values make the collector more aggressive but also increase
the size of each incremental step.
You should not use values less than 100,
because they make the collector too slow and
can result in the collector never finishing a cycle.
The default value is 100; the maximum value is 1000.

The garbage-collector step size controls the
size of each incremental step,
specifically how many bytes the interpreter allocates
before performing a step.
This parameter is logarithmic:

A value of @M{n} means the interpreter will allocate @M{2@sp{n}}
bytes between steps and perform equivalent work during the step.
A large value (e.g., 60) makes the collector a stop-the-world
(non-incremental)
collector.
The default value is 13,
which means steps of approximately @N{8 Kbytes}.

}

@sect3{genmode| @title{Generational Garbage Collection}

In generational mode,
the collector does frequent @emph{minor} collections,
which traverses only objects recently created.
If after a minor collection the use of memory is still above a limit,
the collector does a stop-the-world @emph{major} collection,
which traverses all objects.
The generational mode uses two parameters:
the @def{minor multiplier} and the @def{the major multiplier}.

The minor multiplier controls the frequency of minor collections.
For a minor multiplier @M{x},
a new minor collection will be done when memory
grows @M{x%} larger than the memory in use after the previous major
collection.
For instance, for a multiplier of 20,
the collector will do a minor collection when the use of memory
gets 20% larger than the use after the previous major collection.
The default value is 20; the maximum value is 200.

The
major multiplier controls the frequency of major collections.
For a major multiplier @M{x},
a new major collection will be done when memory
grows @M{x%} larger than the memory in use after the previous major
collection.
For instance, for a multiplier of 100,
the collector will do a major collection when the use of memory
gets larger than twice the use after the previous collection.
The default value is 100; the maximum value is 1000.

}

@sect3{finalizers| @title{Garbage-Collection Metamethods}

You can set garbage-collector metamethods for tables
and, using the @N{C API},

for full userdata @see{metatable}.
These metamethods, called @def{finalizers},
are called when the garbage collector detects that the
corresponding table or userdata is dead.
Finalizers allow you to coordinate Lua's garbage collection
with external resource management such as closing files,
network or database connections,
or freeing your own memory.

For an object (table or userdata) to be finalized when collected,
you
must @emph{mark} it for finalization.
@index{mark (for finalization)}
You mark an object for finalization when you set its metatable
and the metatable has a @idx{__gc} metamethod.
Note that if you set a metatable without a @idx{__gc} field
and later create that field in the metatable,
the object will not be marked for finalization.

When a marked object becomes dead,
it is not collected immediately by the garbage collector.
Instead, Lua puts it in a list.
After the collection,
Lua goes through that list.
For each object in the list,
it checks the object's @idx{__gc} metamethod:
If it is present,
Lua calls it with the object as its single argument.

At the end of each garbage-collection cycle,
the finalizers are called in
the reverse order that the objects were marked for finalization,
among those collected in that cycle;
that is, the first finalizer to be called is the one associated
with the object marked last in the program.
The execution of each finalizer may occur at any
point during
the execution of the regular code.

Because the object being collected must still be used by the finalizer,
that object (and other objects accessible only through it)
must be @emph{resurrected} by Lua.@index{resurrection}
Usually, this resurrection is transient,
and the object memory is freed in the next garbage-collection cycle.
However, if the finalizer stores the object in some global place
(e.g., a global variable),
then the resurrection is permanent.
Moreover, if the finalizer marks a finalizing object for finalization again,

its finalizer will be called again in the next cycle where the
object is dead.
In any case,
the object memory is freed only in a GC cycle where
the object is dead and not marked for finalization.

When you close a state @seeF{lua_close},
Lua calls the finalizers of all objects marked for finalization,
following the reverse order that they were marked.
If any finalizer marks objects for collection during that phase,
these marks have no effect.

Finalizers
cannot yield nor run the garbage collector.
Because they can run in unpredictable times,
it is good practice to restrict each finalizer
to the minimum necessary to properly release
its associated resource.

Any error while running a finalizer generates a warning;
the error is not propagated.

}

@sect3{weak-table| @title{Weak Tables}

A @def{weak table} is a table whose elements are
@def{weak references}.
A weak reference is ignored by the garbage collector.
In other words,
if the only references to an object are weak references,
then the garbage collector will collect that object.

A weak table can have weak keys, weak values, or both.
A table with weak values allows the collection of its values,
but prevents the collection of its keys.
A table with both weak keys and weak values allows the collection of
both keys and values.
In any case, if either the key or the value is collected,
the whole pair is removed from the table.
The weakness of a table is controlled by the
@idx{__mode}
field of its metatable.
This metavalue, if present, must be one of the following strings:
@St{k}, for a table with weak keys;
@St{v}, for a table with weak values;
or @St{kv}, for a table with both weak keys and values.

A table with weak keys and strong values
is also called an @def{ephemeron table}.
In an ephemeron table,
a value is considered reachable only if its key is reachable.
In particular,
if the only reference to a key comes through its value,
the pair is removed.

Any change in the weakness of a table may take effect only
at the next collect cycle.
In particular, if you change the weakness to a stronger mode,
Lua may still collect some items from that table
before the change takes effect.

Only objects that have an explicit construction
are removed from weak tables.
Values, such as numbers and @x{light @N{C functions}},
are not subject to garbage collection,
and therefore are not removed from weak tables
(unless their associated values are collected).
Although strings
 are subject to garbage collection,
they do not have an explicit construction and
their equality is by value;
they behave more like values than like objects.
Therefore, they are not removed from weak tables.

Resurrected objects
(that is, objects being finalized
and objects accessible only through objects being finalized)
have a special behavior in weak tables.
They are removed from weak values before running their finalizers,
but are removed from weak keys only in the next collection
after running their finalizers, when such objects are actually freed.
This behavior allows the finalizer to access properties
associated with the object through weak tables.

If a weak table is among the resurrected objects in a collection cycle,
it may not be properly cleared until the next cycle.

}

}

@sect2{coroutine| @title{Coroutines}

Lua supports coroutines,
also called @emphx{collaborative multithreading}.

A coroutine in Lua represents an independent thread of execution.
Unlike threads in multithread
systems, however,
a coroutine only suspends its execution by explicitly calling
a yield function.

You create a coroutine by calling @Lid{coroutine.create}.
Its sole argument is a function
that is the main function of the coroutine.
The @id{create} function only creates a new coroutine and
returns a handle to it (an object of type @emph{thread});
it does not start the coroutine.

You execute a coroutine by calling @Lid{coroutine.resume}.
When you first call @Lid{coroutine.resume},
passing as its first argument
a thread returned by @Lid{coroutine.create},
the coroutine starts its execution by
calling its main function.
Extra arguments passed to @Lid{coroutine.resume} are passed
as arguments to that function.
After the coroutine starts running,
it runs until it terminates or @emph{yields}.

A coroutine can terminate its execution in two ways:
normally, when its main function returns
(explicitly or implicitly, after the last instruction);
and abnormally, if there is an unprotected
error.
In case of normal termination,
@Lid{coroutine.resume} returns @true,
plus any values returned by the coroutine main function.
In case of errors, @Lid{coroutine.resume} returns @false
plus the error object.
In this case, the coroutine does not unwind its stack,
so that it is possible to inspect it after the error
with the debug API.

A coroutine yields by calling @Lid{coroutine.yield}.
When a coroutine yields,
the corresponding @Lid{coroutine.resume} returns immediately,
even if the yield happens inside nested function calls
(that is, not in the main function,
but in a function directly or indirectly called by the main function).
In the case of a yield, @Lid{coroutine.resume} also returns @true,
plus any values passed to @Lid{coroutine.yield}.
The next time you resume the same coroutine,
it continues its execution from the point where it yielded,

with the call to @Lid{coroutine.yield} returning any extra
arguments passed to @Lid{coroutine.resume}.

Like @Lid{coroutine.create},
the
@Lid{coroutine.wrap} function also creates a coroutine,
but instead of returning the coroutine itself,
it returns a function that, when called, resumes the coroutine.
Any arguments passed to this function
go as extra arguments to @Lid{coroutine.resume}.
@Lid{coroutine.wrap} returns all the values returned by @Lid{coroutine.resume},
except the first one (the boolean error code).
Unlike @Lid{coroutine.resume},
the function created by @Lid{coroutine.wrap}
propagates any error to the caller.
In this case,
the function also closes the coroutine @seeF{coroutine.close}.

As an example of how coroutines work,
consider the following code:
@verbatim{
```
function foo (a)
 print("foo", a)
 return coroutine.yield(2*a)
end

co = coroutine.create(function (a,b)
    print("co-body", a, b)
    local r = foo(a+1)
    print("co-body", r)
    local r, s = coroutine.yield(a+b, a-b)
    print("co-body", r, s)
    return b, "end"
end)

print("main", coroutine.resume(co, 1, 10))
print("main", coroutine.resume(co,
 "r"))
print("main", coroutine.resume(co, "x", "y"))
print("main", coroutine.resume(co, "x", "y"))
```
}
When you run it, it produces the following output:
@verbatim{
```
co-body 1       10
foo     2
main    true    4
co-body r
main    true    11      -9
```

```
co-body x       y
main    true    10      end
main    false   cannot resume dead coroutine
}
```

You can also create and manipulate coroutines through the C API:
see functions @Lid{lua_newthread}, @Lid{lua_resume},
and @Lid{lua_yield}.

}

}

@C{--}
@sect1{language| @title{The Language}

@simplesect{

This section describes the lexis, the syntax, and the semantics of Lua.
In other words,
this section describes
which tokens are valid,
how they can be combined,
and what their combinations mean.

Language constructs will be explained using the usual extended BNF notation,
in which
@N{@bnfrep{@rep{a}} means 0} or more @rep{a}'s, and
@N{@bnfopt{@rep{a}} means} an
optional @rep{a}.
Non-terminals are shown like @bnfNter{non-terminal},
keywords are shown like @rw{kword},
and other terminal symbols are shown like @bnfter{=}.
The complete syntax of Lua can be found in @refsec{BNF}
at the end of this manual.

}

@sect2{lexical| @title{Lexical Conventions}

Lua is a @x{free-form} language.
It ignores spaces and comments between lexical elements (@x{tokens}),
except as delimiters between two tokens.
In source code,
Lua recognizes as spaces the standard ASCII whitespace
characters space, form feed, newline,
carriage return, horizontal tab, and vertical tab.

@def{Names}
(also called @def{identifiers})
in Lua can be any string of Latin letters,
Arabic-Indic digits, and underscores,
not beginning with a digit and
not being a reserved word.
Identifiers are used to name variables, table fields, and labels.

The following @def{keywords} are reserved
and cannot be used as names:
@index{reserved words}
@verbatim{
and break do else elseif
  end
false for function goto if in
local nil not or repeat return
then true until while
}

Lua is a case-sensitive language:
@id{and} is a reserved word, but @id{And} and @id{AND}
are two different, valid names.
As a convention,
programs should avoid creating
names that start with an underscore followed by
one or more uppercase letters (such as @Lid{_VERSION}).

The following strings denote other @x{tokens}:
@verbatim{
+ - * / % ^ #
& ~ | << >> //
== ~= <= >= < > =
( ) { } [ ] ::
; : , ...
}

A @def{short literal string}
can be delimited by matching single or double quotes,
and can contain the following C-like escape sequences:
@Char{\a} (bell),
@Char{\b} (backspace),
@Char{\f} (form feed),
@Char{\n} (newline),
@Char{\r} (carriage return),
@Char{\t} (horizontal tab),
@Char{\v} (vertical tab),
@Char{\\} (backslash),

@Char{\"}
(quotation mark [double quote]),
and @Char{\'} (apostrophe [single quote]).
A backslash followed by a line break
results in a newline in the string.
The escape sequence @Char{\z} skips the following span
of whitespace characters,
including line breaks;
it is particularly useful to break and indent a long literal string
into multiple lines without adding the newlines and spaces
into the string contents.
A short literal string cannot contain unescaped line breaks
nor escapes not forming a valid escape sequence.

We can specify any byte in a short literal string,
including @x{embedded zeros},
by its numeric value.
This can be done
with the escape sequence @T{\x@rep{XX}},
where @rep{XX} is a sequence of exactly two hexadecimal digits,
or with the escape sequence @T{\@rep{ddd}},
where @rep{ddd} is a sequence of up to three decimal digits.
(Note that if a decimal escape sequence is to be followed by a digit,
it must be expressed using exactly three digits.)

The @x{UTF-8} encoding
of a @x{Unicode} character
can be inserted in a literal string with
the escape sequence @T{\u{@rep{XXX}}}
(with mandatory enclosing braces),
where @rep{XXX} is a sequence of one or more hexadecimal digits
representing the character code point.
This code point can be any value less than @M{2@sp{31}}.
(Lua uses the original UTF-8 specification here,
which is not restricted to valid Unicode code points.)

Literal strings can also be defined using a long format
enclosed by @def{long brackets}.
We define an @def{opening long bracket of level @rep{n}} as an opening
square bracket followed by @rep{n} equal signs followed by another
opening square bracket.
So, an opening long bracket of @N{level 0} is written as @T{[[}, @C{]]}
an opening long bracket of @N{level 1} is written as @T{[=[}, @C{]]}
and so on.
A @emph{closing long bracket} is defined similarly;
for instance,
a closing long bracket of @N{level 4} is written as @C{]]} @T{]====]}.
A @def{long literal} starts with an opening long bracket

of any level and
ends at the first closing long bracket of the same level.
It can contain any text except a closing bracket of the same level.
Literals in this bracketed form can run for several lines,
do not interpret any escape sequences,
and ignore long brackets of any other level.
Any kind of end-of-line sequence
(carriage return, newline, carriage return followed by newline,
or newline followed by carriage return)
is converted to a simple newline.
When the opening long bracket is immediately followed by a newline,
the newline is not included in the string.

As an example, in a system using ASCII
(in which @Char{a} is coded @N{as 97},
newline is coded @N{as 10}, and @Char{1} is coded @N{as 49}),
the five literal strings below denote the same string:
@verbatim{
a = 'alo\n123'"
a = "alo\n123\""
a = '\97lo\10\04923'"
a = [[alo
123"]]
a = [==[
alo
123"]==]
}

Any byte in a literal string not
explicitly affected by the previous rules represents itself.
However, Lua opens files for
parsing in text mode,
and the system's file functions may have problems with
some control characters.
So, it is safer to represent
binary data as a quoted literal with
explicit escape sequences for the non-text characters.

A @def{numeric constant} (or @def{numeral})
can be written with an optional fractional part
and an optional decimal exponent,
marked by a letter @Char{e} or @Char{E}.
Lua also accepts @x{hexadecimal constants},
which start with @T{0x} or @T{0X}.
Hexadecimal constants also accept an optional fractional part
plus an optional binary exponent,
marked by a letter @Char{p} or @Char{P} and written in decimal.
(For instance, @T{0x1.fp10} denotes 1984,

which is @M{0x1f / 16} multiplied by @M{2@sp{10}}.)

A numeric constant with a radix point or an exponent
denotes a float;
otherwise,
if its value fits in an integer or it is a hexadecimal constant,
it denotes an integer;
otherwise (that is, a decimal integer numeral that overflows),
it denotes a float.
Hexadecimal numerals
with neither a radix point nor an exponent
always denote an integer value;
if the value overflows, it @emph{wraps around}
to fit into a valid integer.

Examples of valid integer constants are
@verbatim{
3 345 0xff 0xBEBADA
}
Examples of valid float constants are
@verbatim{
3.0 3.1416 314.16e-2 0.31416E1 34e1
0x0.1E 0xA23p-4 0X1.921FB54442D18P+1
}

A @def{comment} starts with a double hyphen (@T{--})
anywhere outside a string.
If the text immediately after @T{--} is not an opening long bracket,
the comment is a @def{short comment},
which runs until the end of the line.
Otherwise, it is a @def{long comment},
which runs until the corresponding closing long bracket.

}

@sect2{variables| @title{Variables}

Variables are places that store values.
There are three kinds of variables in Lua:
global variables, local variables, and table fields.

A single name can denote a global variable or a local variable
(or a function's formal parameter,
which is a particular kind of
local variable):
@Produc{
@producname{var}@producbody{@bnfNter{Name}}
}

@bnfNter{Name} denotes identifiers @see{lexical}.

Any variable name is assumed to be global unless explicitly declared
as a local @see{localvar}.
@x{Local variables} are @emph{lexically scoped}:
local variables can be freely accessed by functions
defined inside their scope @see{visibility}.

Before the first assignment to a variable, its value is @nil.

Square brackets are used to index a table:
@Produc{
@producname{var}@producbody{prefixexp @bnfter{[} exp @bnfter{]}}
}
The meaning of accesses to table fields can be changed via metatables
@see{metatable}.

The syntax @id{var.Name} is just syntactic sugar for
@T{var["Name"]}:
@Produc{
@producname{var}@producbody{prefixexp @bnfter{.} @bnfNter{Name}}
}

An access to a global variable @id{x}
is equivalent to @id{_ENV.x}.
Due to the way that chunks are compiled,
the variable @id{_ENV} itself is never global @see{globalenv}.

}

@sect2{stats| @title{Statements}

@simplesect{

Lua
 supports an almost conventional set of @x{statements},
similar to those in other conventional languages.
This set includes
blocks, assignments, control structures, function calls,
and variable declarations.

}

@sect3{@title{Blocks}

A @x{block} is a list of statements,
which are executed sequentially:
@Produc{

@producname{block}@producbody{@bnfrep{stat}}
}
Lua has @def{empty statements}
that allow you to separate statements with semicolons,
start a block with a semicolon
or write two semicolons in sequence:
@Produc{
@producname{stat}@producbody{@bnfter{;}}
}

Both function calls and assignments
can start with an open parenthesis.
This possibility leads to an ambiguity in Lua's grammar.
Consider the following fragment:
@verbatim{
a = b + c
(print or io.write)('done')
}
The grammar could see this fragment in two ways:
@verbatim{
a = b + c(print or io.write)('done')

a = b + c; (print or io.write)('done')
}
The current parser always sees such constructions
in the first way,
interpreting
 the open parenthesis
as the start of the arguments to a call.
To avoid this ambiguity,
it is a good practice to always precede with a semicolon
statements that start with a parenthesis:
@verbatim{
;(print or io.write)('done')
}

A block can be explicitly delimited to produce a single statement:
@Produc{
@producname{stat}@producbody{@Rw{do} block @Rw{end}}
}
Explicit blocks are useful
to control the scope of variable declarations.
Explicit blocks are also sometimes used to
add a @Rw{return} statement in the middle
of another block @see{control}.

}

@sect3{chunks| @title{Chunks}

The unit of compilation of Lua is called a @def{chunk}.
Syntactically,
a chunk is simply a block:
@Produc{
@producname{chunk}@producbody{block}
}

Lua handles a chunk as the body of an anonymous function
with a variable number of arguments
@see{func-def}.
As such, chunks can define local variables,
receive arguments, and return values.
Moreover, such anonymous function is compiled as in the
scope of
 an external local variable called @id{_ENV} @see{globalenv}.
The resulting function always has @id{_ENV} as its only external variable,
even if it does not use that variable.

A chunk can be stored in a file or in a string inside the host program.
To execute a chunk,
Lua first @emph{loads} it,
precompiling the chunk's code into instructions for a virtual machine,
and then Lua executes the compiled code
with an interpreter for the virtual machine.

Chunks can also be precompiled into binary form;
see the program @idx{luac} and the function @Lid{string.dump} for details.
Programs in source and compiled forms are interchangeable;
Lua automatically detects the file type and acts accordingly @seeF{load}.

}

@sect3{assignment| @title{Assignment}

Lua allows @x{multiple assignments}.
Therefore, the syntax for assignment
defines a list of variables on the left side
and a list of expressions on the right side.
The elements in both lists are separated by commas:
@Produc{
@producname{stat}@producbody{varlist
 @bnfter{=} explist}
@producname{varlist}@producbody{var @bnfrep{@bnfter{,} var}}
@producname{explist}@producbody{exp @bnfrep{@bnfter{,} exp}}
}
Expressions are discussed in @See{expressions}.

Before the assignment,
the list of values is @emph{adjusted} to the length of
the list of variables @see{multires}.

If a variable is both assigned and read
inside a multiple assignment,
Lua ensures that all reads get the value of the variable
before the assignment.
Thus the code
@verbatim{
i = 3
i, a[i] = i+1, 20
}
sets @T{a[3]} to 20, without affecting @T{a[4]}
because the @id{i} in @T{a[i]} is evaluated (to 3)
before it is @N{assigned 4}.
Similarly, the line
@verbatim{
x, y = y, x
}
exchanges the values of @id{x} and @id{y},
and
@verbatim{
x, y, z = y, z, x
}
cyclically permutes the values of @id{x}, @id{y}, and @id{z}.

Note that this guarantee covers only accesses
syntactically inside the assignment statement.
If a function or a metamethod called during the assignment
changes
the value of a variable,
Lua gives no guarantees about the order of that access.

An assignment to a global name @T{x = val}
is equivalent to the assignment
@T{_ENV.x = val} @see{globalenv}.

The meaning of assignments to table fields and
global variables (which are actually table fields, too)
can be changed via metatables @see{metatable}.

}

@sect3{control| @title{Control Structures}
The control structures
@Rw{if}, @Rw{while}, and @Rw{repeat} have the usual meaning and

familiar syntax:
@index{while-do statement}
@index{repeat-until statement}
@index{if-then-else statement}
@Produc{
@producname{stat}@producbody{@Rw{while} exp @Rw{do} block @Rw{end}}
@producname{stat}@producbody{@Rw{repeat} block @Rw{until} exp}
@producname{stat}@producbody{@Rw{if} exp @Rw{then} block
 @bnfrep{@Rw{elseif} exp @Rw{then} block}
  @bnfopt{@Rw{else} block} @Rw{end}}
}
Lua also has a @Rw{for} statement, in two flavors @see{for}.

The @x{condition expression} of a
control structure can return any value.
Both
 @false and @nil test false.
All values different from @nil and @false test true.
In particular, the number 0 and the empty string also test true.

In the @Rw{repeat}@En@Rw{until} loop,
the inner block does not end at the @Rw{until} keyword,
but only after the condition.
So, the condition can refer to local variables
declared inside the loop block.

The @Rw{goto} statement transfers the program control to a label.
For syntactical reasons,
labels in Lua are considered statements too:
@index{goto statement}
@index{label}
@Produc{
@producname{stat}@producbody{@Rw{goto} Name}
@producname{stat}@producbody{label}
@producname{label}@producbody{@bnfter{::} Name @bnfter{::}}
}

A label is visible in the entire block where it is defined,
except inside nested functions.
A goto may jump to any visible label as long as it does not
enter into the scope of a local variable.
A label should not be declared
where a label with the same name is visible,
even if this other label has been declared in an
 enclosing block.

The @Rw{break} statement terminates the execution of a
@Rw{while}, @Rw{repeat}, or @Rw{for} loop,

skipping to the next statement after the loop:
@index{break statement}
@Produc{
@producname{stat}@producbody{@Rw{break}}
}
A @Rw{break} ends the innermost enclosing loop.

The @Rw{return} statement is used to return values
from a function or a chunk
(which is handled as an anonymous function).
@index{return statement}
Functions can return more than one value,
so the syntax for the @Rw{return} statement is
@Produc{
@producname{stat}@producbody{@Rw{return} @bnfopt{explist} @bnfopt{@bnfter{;}}}
}

The @Rw{return} statement can only be written
as the last statement of a block.
If it is necessary to @Rw{return} in the middle of a block,
then an explicit inner block can be used,
as in the idiom @T{do return end},
because now @Rw{return} is the last statement in its (inner) block.

}

@sect3{for| @title{For Statement}

@index{for statement}
The @Rw{for} statement has two forms:
one
 numerical and one generic.

@sect4{@title{The numerical @Rw{for} loop}

The numerical @Rw{for} loop repeats a block of code while a
control variable goes through an arithmetic progression.
It has the following syntax:
@Produc{
@producname{stat}@producbody{@Rw{for} @bnfNter{Name} @bnfter{=}
 exp @bnfter{,} exp @bnfopt{@bnfter{,} exp} @Rw{do} block @Rw{end}}
}
The given identifier (@bnfNter{Name}) defines the control variable,
which is a new variable local to the loop body (@emph{block}).

The loop starts by evaluating once the three control expressions.
Their values are called respectively
the @emph{initial value}, the @emph{limit}, and the @emph{step}.

If the step is absent, it defaults @N{to 1}.

If both the initial value and the step are integers,
the loop is done with integers;
note that the limit may not be an integer.
Otherwise, the three values are converted to
floats and the loop is done with floats.
Beware of floating-point accuracy in this case.

After that initialization,
the
loop body is repeated with the value of the control variable
going through an arithmetic progression,
starting at the initial value,
with a common difference given by the step.
A negative step makes a decreasing sequence;
a step equal to zero raises an error.
The loop continues while the value is less than
or equal to the limit
(greater than or equal to for a negative step).
If the initial value is already greater than the limit
(or less than, if the step is negative),
the body is not executed.

For integer loops,
the control variable never wraps around;
instead, the loop ends in case of an overflow.

You should not change the value of the control variable
during the loop.
If you need its value after the loop,
assign it to another variable before exiting the loop.

}

@sect4{@title{The generic @Rw{for} loop}

The generic @Rw{for} statement works over functions,
called @def{iterators}.
On each iteration, the iterator function is called to produce a new value,
stopping when this new
value is @nil.
The generic @Rw{for} loop has the following syntax:
@Produc{
@producname{stat}@producbody{@Rw{for} namelist @Rw{in} explist
@Rw{do} block @Rw{end}}
@producname{namelist}@producbody{@bnfNter{Name} @bnfrep{@bnfter{,} @bnfNter{Name}}}

}
A @Rw{for} statement like
@verbatim{
for @rep{var_1}, @Cdots, @rep{var_n} in @rep{explist} do @rep{body} end
}
works as follows.

The names @rep{var_i} declare loop variables local to the loop body.
The first of these variables is the @emph{control variable}.

The loop starts by evaluating @rep{explist}
to produce four values:
an @emph{iterator function},
a @emph{state},
an initial value for the control variable,
and a @emph{closing value}.

Then, at each iteration,
Lua calls the iterator function with two arguments:
the state and the control variable.
The results from this call are then assigned to the loop variables,
following the rules of multiple assignments @see{assignment}.
If the control variable becomes @nil,
the
loop terminates.
Otherwise, the body is executed and the loop goes
to the next iteration.

The closing value behaves like a
to-be-closed variable @see{to-be-closed},
which can be used to release resources when the loop ends.
Otherwise, it does not interfere with the loop.

You should not change the value of the control variable
during the loop.

}

}

@sect3{funcstat| @title{Function Calls as Statements}
To allow possible side-effects,
function calls can be executed as statements:
@Produc{
@producname{stat}@producbody{functioncall}
}
In this case, all returned values are thrown away.
Function calls are explained in @See{functioncall}.

}

@sect3{localvar| @title{Local Declarations}
@x{Local variables} can be declared anywhere inside a block.
The declaration can include an initialization:
@Produc{
@producname{stat}@producbody{@Rw{local} attnamelist @bnfopt{@bnfter{=} explist}}
@producname{attnamelist}@producbody{
 @bnfNter{Name} attrib @bnfrep{@bnfter{,} @bnfNter{Name} attrib}}
}
If
 present, an initial assignment has the same semantics
of a multiple assignment @see{assignment}.
Otherwise, all variables are initialized with @nil.

Each variable name may be postfixed by an attribute
(a name between angle brackets):
@Produc{
@producname{attrib}@producbody{@bnfopt{@bnfter{<} @bnfNter{Name} @bnfter{>}}}
}
There are two possible attributes:
@id{const}, which declares a @x{constant variable},
that is, a variable that cannot be assigned to
after its initialization;
and @id{close}, which declares a to-be-closed variable @see{to-be-closed}.
A list of variables can contain at most one to-be-closed variable.

A chunk is also a block @see{chunks},
and so local variables can be declared in a chunk outside any explicit block.

The visibility rules for local variables are explained in @See{visibility}.

}

@sect3{to-be-closed| @title{To-be-closed Variables}

A to-be-closed variable behaves like a constant local variable,
except that its value is @emph{closed} whenever the variable
goes
 out of scope, including normal block termination,
exiting its block by @Rw{break}/@Rw{goto}/@Rw{return},
or exiting by an error.

Here, to @emph{close} a value means
to call its @idx{__close} metamethod.
When calling the metamethod,
the value itself is passed as the first argument

and the error object that caused the exit (if any)
is passed as a second argument;
if there was no error, the second argument is @nil.

The value assigned to a to-be-closed variable
must have a @idx{__close} metamethod
or be a false value.
(@nil and @false are ignored as to-be-closed values.)

If several to-be-closed variables go out of scope at the same event,
they are closed in the reverse order that they were declared.

If there is any error while running a closing method,
that error is handled like an error in the regular code
where the variable was defined.
After an error,
the other pending closing methods will still be called.

If a coroutine yields and is never resumed again,
some variables may
never go out of scope,
and therefore they will never be closed.
(These variables are the ones created inside the coroutine
and in scope at the point where the coroutine yielded.)
Similarly, if a coroutine ends with an error,
it does not unwind its stack,
so it does not close any variable.
In both cases,
you can either use finalizers
or call @Lid{coroutine.close} to close the variables.
However, if the coroutine was created
through @Lid{coroutine.wrap},
then its corresponding function will close the coroutine
in case of errors.

}

}

@sect2{expressions| @title{Expressions}

@simplesect{

The basic expressions in Lua are the following:
@Produc{
@producname{exp}@producbody{prefixexp}
@producname{exp}@producbody{@Rw{nil} @Or @Rw{false} @Or @Rw{true}}
@producname{exp}@producbody{@bnfNter{Numeral}}

```
@producname{exp}@producbody{@bnfNter{LiteralString}}
@producname{exp}@producbody{functiondef}
@producname{exp}@producbody{tableconstructor}
@producname{exp}@producbody{@bnfter{...}}
@producname{exp}@producbody{exp
 binop exp}
@producname{exp}@producbody{unop exp}
@producname{prefixexp}@producbody{var @Or functioncall @Or
                        @bnfter{(} exp @bnfter{)}}
}

Numerals and literal strings are explained in @See{lexical};
variables are explained in @See{variables};
function definitions are explained in @See{func-def};
function calls are explained in @See{functioncall};
table constructors are explained in @See{tableconstructor}.
Vararg expressions,
denoted by three dots (@Char{...}), can only be used when
directly inside a variadic function;
they are explained in @See{func-def}.


Binary operators comprise arithmetic operators @see{arith},
bitwise operators @see{bitwise},
relational operators @see{rel-ops}, logical operators @see{logic},
and the concatenation operator @see{concat}.
Unary operators comprise the unary minus @see{arith},
the unary bitwise NOT @see{bitwise},
the unary logical @Rw{not} @see{logic},
and the unary @def{length operator} @see{len-op}.

}



@sect3{arith|
 @title{Arithmetic Operators}
Lua supports the following @x{arithmetic operators}:
@description{
@item{@T{+}|addition}
@item{@T{-}|subtraction}
@item{@T{*}|multiplication}
@item{@T{/}|float division}
@item{@T{//}|floor division}
@item{@T{%}|modulo}
@item{@T{^}|exponentiation}
@item{@T{-}|unary minus}
}
```

With the exception of exponentiation and float division,
the arithmetic operators work as follows:
If both operands are integers,
the operation is performed over integers and the result is an integer.
Otherwise, if both operands are numbers,
then they are converted to floats,
the operation is performed following the machine's rules
for floating-point arithmetic
(usually the @x{IEEE 754} standard),
and the result is a float.
(The string library coerces strings to numbers in
arithmetic operations; see @See{coercion} for details.)

Exponentiation and float division (@T{/})
always convert their operands to floats
and the result is always a float.
Exponentiation uses the
@ANSI{pow},
so that it works for non-integer exponents too.

Floor division (@T{//}) is a division
that rounds the quotient towards minus infinity,
resulting in the floor of the division of its operands.

Modulo is defined as the remainder of a division
that rounds the quotient towards minus infinity (floor division).

In case of overflows in integer arithmetic,
all operations @emphx{wrap around}.
}

@sect3{bitwise| @title{Bitwise Operators}
Lua supports the following @x{bitwise operators}:
@description{
@item{@T{&}|bitwise AND}
@item{@T{@VerBar}|bitwise OR}
@item{@T{~}|bitwise exclusive OR}
@item{@T{>>}|right shift}
@item{@T{<<}|left shift}
@item{@T{~}|unary bitwise NOT}
}

All bitwise operations convert its operands to integers
@see{coercion},
operate on all bits of those integers,
and result in an integer.

Both right and left shifts fill the vacant bits with zeros.
Negative displacements shift to the other direction;
displacements with absolute values equal to or higher than
the
 number of bits in an integer
result in zero (as all bits are shifted out).

}

@sect3{coercion| @title{Coercions and Conversions}
Lua provides some automatic conversions between some
types and representations at run time.
Bitwise operators always convert float operands to integers.
Exponentiation and float division
always convert integer operands to floats.
All other arithmetic operations applied to mixed numbers
(integers and floats) convert the integer operand to a float.
The C API also converts both integers to floats and
floats to integers, as needed.
Moreover, string concatenation accepts numbers as arguments,
besides strings.

In a conversion from integer to float,
if the integer value has an exact representation as a float,
that is the result.
Otherwise,
the conversion gets the nearest higher or
the nearest lower representable value.
This kind of conversion never fails.

The conversion from float to integer
checks whether the float has an exact representation as an integer
(that
 is, the float has an integral value and
it is in the range of integer representation).
If it does, that representation is the result.
Otherwise, the conversion fails.

Several places in Lua coerce strings to numbers when necessary.
In particular,
the string library sets metamethods that try to coerce
strings to numbers in all arithmetic operations.
If the conversion fails,
the library calls the metamethod of the other operand
(if present) or it raises an error.
Note that bitwise operators do not do this coercion.

It is always a good practice not to rely on the

implicit coercions from strings to numbers,
as they are not always applied;
in particular, @T{"1"==1} is false and @T{"1"<1} raises an error
@see{rel-ops}.
These coercions exist mainly for compatibility and may be removed
in future versions of the language.

A string is converted to an integer or a float
following its syntax and the rules of the Lua lexer.
The string may have also leading and trailing whitespaces and a sign.
All
conversions from strings to numbers
accept both a dot and the current locale mark
as the radix character.
(The Lua lexer, however, accepts only a dot.)
If the string is not a valid numeral,
the conversion fails.
If necessary, the result of this first step is then converted
to a specific number subtype following the previous rules
for conversions between floats and integers.

The conversion from numbers to strings uses a
non-specified human-readable format.
To convert numbers to strings in any specific way,
use the function @Lid{string.format}.

}

@sect3{rel-ops| @title{Relational Operators}
Lua supports the following @x{relational operators}:
@description{
@item{@T{==}|equality}
@item{@T{~=}|inequality}
@item{@T{<}|less than}
@item{@T{>}|greater than}
@item{@T{<=}|less or equal}
@item{@T{>=}|greater or equal}
}
These operators always result in @false or @true.

Equality (@T{==}) first compares the type of its operands.
If the types are different, then the result is @false.
Otherwise,
the values of the operands are compared.
Strings are equal if they have the same byte content.
Numbers are equal if they denote the same mathematical value.

Tables, userdata, and threads

are compared by reference:
two objects are considered equal only if they are the same object.
Every time you create a new object
(a table, a userdata, or a thread),
this new object is different from any previously existing object.
A function is always equal to itself.
Functions with any detectable difference
(different behavior, different definition) are always different.
Functions created at different times but with no detectable differences
may be classified as equal or not
(depending on internal caching details).

You can change the way that Lua compares tables and userdata
by using the @idx{__eq} metamethod @see{metatable}.

Equality comparisons do not convert strings to numbers
or vice versa.
Thus, @T{"0"==0} evaluates to @false,
and @T{t[0]} and @T{t["0"]} denote different
entries in a table.

The
operator @T{~=} is exactly the negation of equality (@T{==}).

The order operators work as follows.
If both arguments are numbers,
then they are compared according to their mathematical values,
regardless of their subtypes.
Otherwise, if both arguments are strings,
then their values are compared according to the current locale.
Otherwise, Lua tries to call the @idx{__lt} or the @idx{__le}
metamethod @see{metatable}.
A comparison @T{a > b} is translated to @T{b < a}
and @T{a >= b} is translated to @T{b <= a}.

Following the @x{IEEE 754} standard,
the special value @x{NaN} is considered neither less than,
nor equal to, nor greater than any value, including itself.

}

@sect3{logic| @title{Logical Operators}
The @x{logical operators} in Lua are
@Rw{and}, @Rw{or}, and @Rw{not}.
Like the control structures @see{control},
all logical operators consider both @false and @nil as false
and anything else as true.

The negation operator @Rw{not} always returns @false or @true.
The conjunction
operator @Rw{and} returns its first argument
if this value is @false or @nil;
otherwise, @Rw{and} returns its second argument.
The disjunction operator @Rw{or} returns its first argument
if this value is different from @nil and @false;
otherwise, @Rw{or} returns its second argument.
Both @Rw{and} and @Rw{or} use @x{short-circuit evaluation};
that is,
the second operand is evaluated only if necessary.
Here are some examples:
@verbatim{
10 or 20 --> 10
10 or error() --> 10
nil or "a" --> "a"
nil and 10 --> nil
false and error() --> false
false and nil --> false
false or nil --> nil
10 and 20 --> 20
}

}

@sect3{concat| @title{Concatenation}
The string @x{concatenation} operator in Lua is
denoted by two dots (@Char{..}).
If both operands are strings or numbers,
then the numbers are converted to strings
in a non-specified format @see{coercion}.
Otherwise, the @idx{__concat} metamethod is called @see{metatable}.

}

@sect3{len-op|
@title{The Length Operator}

The length operator is denoted by the unary prefix operator @T{#}.

The length of a string is its number of bytes.
(That is the usual meaning of string length when each
character is one byte.)

The length operator applied on a table
returns a @x{border} in that table.
A @def{border} in a table @id{t} is any non-negative integer
that satisfies the following condition:

@verbatim{
(border == 0 or t[border] ~= nil) and
(t[border + 1] == nil or border == math.maxinteger)
}
In words,
a border is any positive integer index present in the table
that is followed by an absent index,
plus two limit cases:
zero, when index 1 is absent;
and the maximum value for an integer, when that index is present.
Note that keys that are not positive integers
do not interfere with borders.

A table with exactly one border is called a @def{sequence}.
For instance, the table @T{{10, 20, 30, 40, 50}} is a sequence,
as it has only one border (5).
The table @T{{10, 20, 30, nil, 50}} has
two borders (3 and 5),
and therefore it is not a sequence.
(The @nil at index 4 is called a @emphx{hole}.)
The table @T{{nil, 20, 30, nil, nil, 60, nil}}
has three borders (0, 3, and 6),
so it is not a sequence, too.
The table @T{{}} is a sequence with border 0.

When @id{t} is a sequence,
@T{#t} returns its only border,
which corresponds to the intuitive notion of the length of the sequence.
When @id{t} is not a sequence,
@T{#t} can return any of its borders.
(The exact one depends on details of
the internal representation of the table,
which in turn can depend on how the table was populated and
the memory addresses of its non-numeric keys.)

The computation of the length of a table
has a guaranteed worst time of @M{O(log n)},
where @M{n} is the largest integer key in the table.

A program can modify the behavior of the length operator for
any value but strings through the @idx{__len} metamethod @see{metatable}.

}

@sect3{prec| @title{Precedence}
@x{Operator precedence} in Lua follows
the table below,
from lower to higher priority:

@verbatim{
or
and
< > <= >= ~= ==
|
~
&
<< >>
..
+ -
* / // %
unary operators (not # - ~)
^
}
As usual,
you can use parentheses to change the precedences of an expression.
The concatenation (@Char{..}) and exponentiation (@Char{^})
operators are right associative.
All other binary operators are left associative.

}

@sect3{tableconstructor| @title{Table Constructors}
Table @x{constructors} are expressions that create tables.
Every time a constructor is evaluated, a new table is created.
A constructor can be used to create an empty table
or to create a table and initialize some of its fields.
The general syntax for constructors is
@Produc{
@producname{tableconstructor}@producbody{@bnfter{@Open} @bnfopt{fieldlist} @bnfter{@Close}}
@producname{fieldlist}@producbody{field @bnfrep{fieldsep field} @bnfopt{fieldsep}}
@producname{field}@producbody{@bnfter{[} exp @bnfter{]} @bnfter{=} exp @Or

    @bnfNter{Name} @bnfter{=} exp @Or exp}
@producname{fieldsep}@producbody{@bnfter{,} @Or @bnfter{;}}
}

Each field of the form @T{[exp1] = exp2} adds to the new table an entry
with key @id{exp1} and value @id{exp2}.
A field of the form @T{name = exp} is equivalent to
@T{["name"] = exp}.
Fields of the form @id{exp} are equivalent to
@T{[i] = exp}, where @id{i} are consecutive integers
starting with 1;
fields in the other formats do not affect this counting.
For example,
@verbatim{
a = { [f(1)] = g; "x", "y"; x = 1, f(x), [30] = 23; 45 }

}
is equivalent to
@verbatim{
do
 local t = {}
 t[f(1)] = g
 t[1] = "x"   -- 1st exp
 t[2] = "y"   -- 2nd exp
 t.x = 1   -- t["x"] = 1
 t[3] = f(x)   -- 3rd exp
 t[30] = 23
 t[4] = 45   -- 4th exp
 a = t
end
}

The order of the assignments in a constructor is undefined.
(This order would be relevant only when there are repeated keys.)

If the last field in the list has the form @id{exp}
and the expression
 is a multires expression,
then all values returned by this expression enter the list consecutively
@see{multires}.

The field list can have an optional trailing separator,
as a convenience for machine-generated code.

}

@sect3{functioncall| @title{Function Calls}
A @x{function call} in Lua has the following syntax:
@Produc{
@producname{functioncall}@producbody{prefixexp args}
}
In a function call,
first @bnfNter{prefixexp} and @bnfNter{args} are evaluated.
If the value of @bnfNter{prefixexp} has type @emph{function},
then this function is called
with the given arguments.
Otherwise, if present,
the @bnfNter{prefixexp} @idx{__call} metamethod is called:
its first argument is the value of @bnfNter{prefixexp},
followed by the original call arguments
@see{metatable}.

The form
@Produc{

@producname{functioncall}@producbody{prefixexp @bnfter{:} @bnfNter{Name} args}
}
can be used to emulate methods.
A call @T{v:name(@rep{args})}
is syntactic sugar for @T{v.name(v,@rep{args})},
except that @id{v}
is evaluated only once.

Arguments have the following syntax:
@Produc{
@producname{args}@producbody{@bnfter{(} @bnfopt{explist} @bnfter{)}}
@producname{args}@producbody{tableconstructor}
@producname{args}@producbody{@bnfNter{LiteralString}}
}
All argument expressions are evaluated before the call.
A call of the form @T{f{@rep{fields}}} is
syntactic sugar for @T{f({@rep{fields}})};
that is, the argument list is a single new table.
A call of the form @T{f'@rep{string}'}
(or @T{f"@rep{string}"} or @T{f[[@rep{string}]]})
is syntactic sugar for @T{f('@rep{string}')};
that is, the argument list is a single literal string.

A call of the form @T{return @rep{functioncall}} not in the
scope of a to-be-closed variable is called a @def{tail call}.
Lua implements @def{proper tail calls}
(or @def{proper tail recursion}):
In a tail call,
the called function reuses the stack entry of the calling function.
Therefore, there is no limit on the number of nested tail calls that
a program can execute.
However,
a tail call erases any debug information about the
calling function.
Note that a tail call only happens with a particular syntax,
where the @Rw{return} has one single function call as argument,
and it is outside the scope of any to-be-closed variable.
This syntax makes the calling function return exactly
the returns of the called function,
without any intervening action.
So, none of the following examples are tail calls:
@verbatim{
return (f(x))   -- results adjusted to 1
return 2 * f(x)   -- result multiplied by 2
return x, f(x)   -- additional results
f(x); return   -- results discarded
return x or f(x)   -- results adjusted to 1
}

}

@sect3{func-def| @title{Function Definitions}

The syntax for function definition is
@Produc{
@producname{functiondef}@producbody{@Rw{function} funcbody}
@producname{funcbody}@producbody{@bnfter{(} @bnfopt{parlist} @bnfter{)} block @Rw{end}}
}

The following syntactic sugar simplifies function definitions:
@Produc{
@producname{stat}@producbody{@Rw{function}
 funcname funcbody}
@producname{stat}@producbody{@Rw{local} @Rw{function} @bnfNter{Name} funcbody}
@producname{funcname}@producbody{@bnfNter{Name} @bnfrep{@bnfter{.} @bnfNter{Name}}
@bnfopt{@bnfter{:} @bnfNter{Name}}}
}
The statement
@verbatim{
function f () @rep{body} end
}
translates to
@verbatim{
f = function () @rep{body} end
}
The statement
@verbatim{
function t.a.b.c.f () @rep{body} end
}
translates to
@verbatim{
t.a.b.c.f = function () @rep{body} end
}
The statement
@verbatim{
local function f () @rep{body} end
}
translates to
@verbatim{
local f; f = function () @rep{body} end
}
not to
@verbatim{
local f = function () @rep{body} end
}
(This only makes a difference when the body of the function

contains references to @id{f}.)

A function definition is an executable expression,
whose value has type @emph{function}.
When Lua precompiles a chunk,
all its function bodies are precompiled too,
but they are not created yet.
Then, whenever Lua executes the
function definition,
the function is @emph{instantiated} (or @emph{closed}).
This function instance, or @emphx{closure},
is the final value of the expression.

Parameters act as local variables that are
initialized with the argument values:
@Produc{
@producname{parlist}@producbody{namelist @bnfopt{@bnfter{,} @bnfter{...}} @Or
@bnfter{...}}
}
When a Lua function is called,
it adjusts its list of @x{arguments} to
the length of its list of parameters @see{multires},
unless the function is a @def{variadic function},
which is indicated by three dots (@Char{...})
at the end of its parameter list.
A variadic function does not adjust its argument list;
instead, it collects all extra arguments and supplies them
to the function through a @def{vararg expression},
which is also written as three dots.
The value of this expression is a list of all actual extra arguments,
similar to a function with multiple results @see{multires}.

As an example, consider the following definitions:
@verbatim{
function
f(a, b) end
function g(a, b, ...) end
function r() return 1,2,3 end
}
Then, we have the following mapping from arguments to parameters and
to the vararg expression:
@verbatim{
CALL PARAMETERS

f(3) a=3, b=nil
f(3, 4) a=3, b=4
f(3, 4, 5) a=3, b=4

f(r(), 10) a=1, b=10
f(r()) a=1, b=2

g(3) a=3, b=nil, ... --> (nothing)
g(3, 4) a=3, b=4, ... --> (nothing)
g(3, 4, 5, 8) a=3, b=4, ... --> 5 8
g(5, r()) a=5, b=1, ... --> 2 3
}

Results are returned using the @Rw{return} statement @see{control}.
If control reaches the end of a function
without encountering a @Rw{return} statement,
then the function returns with no results.

@index{multiple return}
There is a system-dependent limit on the number of values
that a function may return.
This limit is guaranteed to be greater than 1000.

The @emphx{colon} syntax
is used to emulate @def{methods},
adding an implicit extra parameter @idx{self} to
the function.
Thus, the statement
@verbatim{
function t.a.b.c:f (@rep{params}) @rep{body} end
}
is syntactic sugar for
@verbatim{
t.a.b.c.f = function (self, @rep{params}) @rep{body} end
}

}

@sect3{multires| @title{Lists of expressions, multiple results,
and adjustment}

Both function calls and vararg expressions can result in multiple values.
These expressions are called @def{multires expressions}.

When a multires expression is used as the last element
of a list of expressions,
all results from the expression are added to the
list of values produced by the list of expressions.
Note that a single expression
in a place that expects a list of expressions
is the last expression in that (singleton) list.

These are the places where Lua expects a list of expressions:
@description{

@item{A @rw{return} statement,
for instance @T{return e1, e2, e3} @see{control}.}

@item{A table constructor,
for instance @T{{e1, e2, e3}} @see{tableconstructor}.}

@item{The arguments of a function call,
for
 instance @T{foo(e1, e2, e3)} @see{functioncall}.}

@item{A multiple assignment,
for instance @T{a , b, c = e1, e2, e3} @see{assignment}.}

@item{A local declaration,
for instance @T{local a , b, c = e1, e2, e3} @see{localvar}.}

@item{The initial values in a generic @rw{for} loop,
for instance @T{for k in e1, e2, e3 do ... end} @see{for}.}

}
In the last four cases,
the list of values from the list of expressions
must be @emph{adjusted} to a specific length:
the number of parameters in a call to a non-variadic function
@see{func-def},
the number of variables in a multiple assignment or
a local declaration,
and exactly four values for a generic @rw{for} loop.
The @def{adjustment} follows these rules:
If there are more values than needed,
the extra values are thrown away;
if there are fewer values than needed,
the list is extended with @nil's.
When the list of expressions ends with a multires expression,
all results from that expression enter the list of values
before the adjustment.

When
 a multires expression is used
in a list of expressions without being the last element,
or in a place where the syntax expects a single expression,
Lua adjusts the result list of that expression to one element.
As a particular case,
the syntax expects a single expression inside a parenthesized expression;
therefore, adding parentheses around a multires expression

forces it to produce exactly one result.

We seldom need to use a vararg expression in a place
where the syntax expects a single expression.
(Usually it is simpler to add a regular parameter before
the variadic part and use that parameter.)
When there is such a need,
we recommend assigning the vararg expression
to a single variable and using that variable
in its place.

Here are some examples of uses of mutlres expressions.
In all cases, when the construction needs
@Q{the n-th result} and there is no such result,
it uses a @nil.
@verbatim{
print(x, f())   -- prints x and all results from f().
print(x, (f()))   -- prints
 x and the first result from f().
print(f(), x)   -- prints the first result from f() and x.
print(1 + f())   -- prints 1 added to the first result from f().
local x = ...   -- x gets the first vararg argument.
x,y = ...   -- x gets the first vararg argument,
                   -- y gets the second vararg argument.
x,y,z = w, f()   -- x gets w, y gets the first result from f(),
                   -- z gets the second result from f().
x,y,z = f()   -- x gets the first result from f(),
                   -- y gets the second result from f(),
                   -- z gets the third result from f().
x,y,z = f(), g()   -- x gets the first result from f(),
                   -- y gets the first result from g(),
                   -- z gets the second result from g().
x,y,z = (f())   -- x gets the first result from f(), y and z get nil.
return f()   -- returns all results from f().
return x, ...   -- returns x and all received vararg arguments.
return x,y,f()
    -- returns x, y, and all results from f().
{f()}   -- creates a list with all results from f().
{...}   -- creates a list with all vararg arguments.
{f(), 5}   -- creates a list with the first result from f() and 5.
}

}

}

@sect2{visibility| @title{Visibility Rules}

@index{visibility}
Lua is a lexically scoped language.
The scope of a local variable begins at the first statement after
its declaration and lasts until the last non-void statement
of the innermost block that includes the declaration.
(@emph{Void statements} are labels and empty statements.)
Consider the following example:
@verbatim{
```
x = 10                -- global variable
do                    -- new block
 local x = x          -- new 'x', with value 10
 print(x)             --> 10
 x = x+1
 do                   -- another block
   local x = x+1      -- another 'x'
   print(x)           --> 12
 end
 print(x)             --> 11
end
print(x)              --> 10  (the global one)
```
}

Notice
that, in a declaration like @T{local x = x},
the new @id{x} being declared is not in scope yet,
and so the second @id{x} refers to the outside variable.

Because of the @x{lexical scoping} rules,
local variables can be freely accessed by functions
defined inside their scope.
A local variable used by an inner function is called an @def{upvalue}
(or @emphx{external local variable}, or simply @emphx{external variable})
inside the inner function.

Notice that each execution of a @Rw{local} statement
defines new local variables.
Consider the following example:
@verbatim{
```
a = {}
local x = 20
for i = 1, 10 do
 local y = 0
 a[i] = function () y = y + 1; return x + y end
end
```
}
The loop creates ten closures
(that is, ten instances of the anonymous function).
Each of these closures uses a different @id{y} variable,

while all of them share the same @id{x}.

}

}

@C{---}
@sect1{API| @title{The Application Program Interface}

@simplesect{

@index{C
API}
This section describes the @N{C API} for Lua, that is,
the set of @N{C functions} available to the host program to communicate
with Lua.
All API functions and related types and constants
are declared in the header file @defid{lua.h}.

Even when we use the term @Q{function},
any facility in the API may be provided as a macro instead.
Except where stated otherwise,
all such macros use each of their arguments exactly once
(except for the first argument, which is always a Lua state),
and so do not generate any hidden side-effects.

As in most @N{C libraries},
the Lua API functions do not check their arguments
for validity or consistency.
However, you can change this behavior by compiling Lua
with the macro @defid{LUA_USE_APICHECK} defined.

The Lua library is fully reentrant:
it has no global variables.
It keeps all information it needs in a dynamic structure,
called the @def{Lua state}.

Each Lua state has one or more threads,
which correspond to independent,
cooperative lines of execution.
The type @Lid{lua_State} (despite its name) refers to a thread.
(Indirectly, through the thread, it also refers to the
Lua state associated to the thread.)

A pointer to a thread must be passed as the first argument to
every function in the library, except to @Lid{lua_newstate},
which creates a Lua state from scratch and returns a pointer

to the @emph{main thread} in the new state.

}

@sect2{@title{The Stack}

@simplesect{

Lua uses a @emph{virtual stack} to pass values to and from C.
Each element in this stack represents a Lua value
(@nil, number, string, etc.).
Functions in the API can access this stack through the
Lua state parameter that they receive.

Whenever Lua calls C, the called function gets a new stack,
which is independent of previous stacks and of stacks of
@N{C functions} that are still active.
This stack initially contains any arguments to the @N{C function}
and it is where the @N{C function} can store temporary
Lua values and must push
its results
to be returned to the caller @seeC{lua_CFunction}.

For convenience,
most query operations in the API do not follow a strict stack discipline.
Instead, they can refer to any element in the stack
by using an @emph{index}:@index{index (API stack)}
A positive index represents an absolute stack position,
starting @N{at 1} as the bottom of the stack;
a negative index represents an offset relative to the top of the stack.
More specifically, if the stack has @rep{n} elements,
then @N{index 1} represents the first element
(that is, the element that was pushed onto the stack first)
and
@N{index @rep{n}} represents the last element;
@N{index @num{-1}} also represents the last element
(that is, the element at @N{the top})
and index @M{-n} represents the first element.

}

@sect3{stacksize| @title{Stack Size}

When you interact with the Lua API,
you are responsible for ensuring consistency.
In particular,
@emph{you are responsible for controlling stack overflow}.

When you call any
API function,
you must ensure the stack has enough room to accommodate the results.

There is one exception to the above rule:
When you call a Lua function
without a fixed number of results @seeF{lua_call},
Lua ensures that the stack has enough space for all results.
However, it does not ensure any extra space.
So, before pushing anything on the stack after such a call
you should use @Lid{lua_checkstack}.

Whenever Lua calls C,
it ensures that the stack has space for
at least @defid{LUA_MINSTACK} extra elements;
that is, you can safely push up to @id{LUA_MINSTACK} values into it.
@id{LUA_MINSTACK} is defined as 20,
so that usually you do not have to worry about stack space
unless your code has loops pushing elements onto the stack.
Whenever necessary,
you can use the function @Lid{lua_checkstack}
to ensure that the stack has enough space for pushing new elements.

}

@sect3{@title{Valid and Acceptable Indices}

Any function in the API that receives stack indices
works only with @emphx{valid
indices} or @emphx{acceptable indices}.

A @def{valid index} is an index that refers to a
position that stores a modifiable Lua value.
It comprises stack indices @N{between 1} and the stack top
(@T{1 @leq abs(index) @leq top})
@index{stack index}
plus @def{pseudo-indices},
which represent some positions that are accessible to @N{C code}
but that are not in the stack.
Pseudo-indices are used to access the registry @see{registry}
and the upvalues of a @N{C function} @see{c-closure}.

Functions that do not need a specific mutable position,
but only a value (e.g., query functions),
can be called with acceptable indices.
An @def{acceptable index} can be any valid index,
but it also can be any positive index after the stack top
within the space allocated for the stack,

that is, indices up to the stack size.
(Note that 0 is never an acceptable index.)
Indices to upvalues @see{c-closure} greater than the real number
of upvalues in the current @N{C function} are also acceptable (but invalid).
Except
 when noted otherwise,
functions in the API work with acceptable indices.

Acceptable indices serve to avoid extra tests
against the stack top when querying the stack.
For instance, a @N{C function} can query its third argument
without the need to check whether there is a third argument,
that is, without the need to check whether 3 is a valid index.

For functions that can be called with acceptable indices,
any non-valid index is treated as if it
contains a value of a virtual type @defid{LUA_TNONE},
which behaves like a nil value.

}

@sect3{constchar|@title{Pointers to strings}

Several functions in the API return pointers (@T{const char*})
to Lua strings in the stack.
(See @Lid{lua_pushfstring}, @Lid{lua_pushlstring},
@Lid{lua_pushstring}, and @Lid{lua_tolstring}.
See also @Lid{luaL_checklstring}, @Lid{luaL_checkstring},
and @Lid{luaL_tolstring} in the auxiliary library.)

In general,
Lua's garbage collection can free or move internal memory
and then invalidate pointers to
 internal strings.
To allow a safe use of these pointers,
the API guarantees that any pointer to a string in a stack index
is valid while the string value at that index is not removed from the stack.
(It can be moved to another index, though.)
When the index is a pseudo-index (referring to an upvalue),
the pointer is valid while the corresponding call is active and
the corresponding upvalue is not modified.

Some functions in the debug interface
also return pointers to strings,
namely @Lid{lua_getlocal}, @Lid{lua_getupvalue},
@Lid{lua_setlocal}, and @Lid{lua_setupvalue}.
For these functions, the pointer is guaranteed to
be valid while the caller function is active and

the given closure (if one was given) is in the stack.

Except for these guarantees,
the garbage collector is free to invalidate
any pointer to internal strings.

}

}

@sect2{c-closure| @title{C Closures}

When a @N{C function} is created,
it is possible to associate some values with it,
thus creating a @def{@N{C closure}}
@seeC{lua_pushcclosure};
these
values are called @def{upvalues} and are
accessible to the function whenever it is called.

Whenever a @N{C function} is called,
its upvalues are located at specific pseudo-indices.
These pseudo-indices are produced by the macro
@Lid{lua_upvalueindex}.
The first upvalue associated with a function is at index
@T{lua_upvalueindex(1)}, and so on.
Any access to @T{lua_upvalueindex(@rep{n})},
where @rep{n} is greater than the number of upvalues of the
current function
(but not greater than 256,
which is one plus the maximum number of upvalues in a closure),
produces an acceptable but invalid index.

A @N{C closure} can also change the values
of its corresponding upvalues.

}

@sect2{registry| @title{Registry}

Lua provides a @def{registry},
a predefined table that can be used by any @N{C code} to
store whatever Lua values it needs to store.
The registry table is always accessible at pseudo-index
@defid{LUA_REGISTRYINDEX}.
Any @N{C library} can store data into
this table,
but it must take care to choose keys

that are different from those used
by other libraries, to avoid collisions.
Typically, you should use as key a string containing your library name,
or a light userdata with the address of a @N{C object} in your code,
or any Lua object created by your code.
As with variable names,
string keys starting with an underscore followed by
uppercase letters are reserved for Lua.

The integer keys in the registry are used
by the reference mechanism @seeC{luaL_ref}
and by some predefined values.
Therefore, integer keys in the registry
must not be used for other purposes.

When you create a new Lua state,
its registry comes with some predefined values.
These predefined values are indexed with integer keys
defined as constants in @id{lua.h}.
The following constants are defined:
@description{
@item{@defid{LUA_RIDX_MAINTHREAD}| At this index the registry has
the main thread of the state.
(The main thread is the one created together with the state.)
}

@item{@defid{LUA_RIDX_GLOBALS}|
 At this index the registry has
the @x{global environment}.
}
}

}

@sect2{C-error|@title{Error Handling in C}

@simplesect{

Internally, Lua uses the C @id{longjmp} facility to handle errors.
(Lua will use exceptions if you compile it as C++;
search for @id{LUAI_THROW} in the source code for details.)
When Lua faces any error,
such as a @x{memory allocation error} or a type error,
it @emph{raises} an error;
that is, it does a long jump.
A @emphx{protected environment} uses @id{setjmp}
to set a recovery point;
any error jumps to the most recent active recovery point.

Inside a @N{C function} you can raise an error explicitly
by calling @Lid{lua_error}.

Most functions in the API can raise an error,
for instance due to a @x{memory allocation error}.
The documentation for each function indicates whether
it can raise errors.

If an error happens outside any protected environment,
Lua calls a @def{panic function} (see @Lid{lua_atpanic})
and then calls @T{abort},
thus
exiting the host application.
Your panic function can avoid this exit by
never returning
(e.g., doing a long jump to your own recovery point outside Lua).

The panic function,
as its name implies,
is a mechanism of last resort.
Programs should avoid it.
As a general rule,
when a @N{C function} is called by Lua with a Lua state,
it can do whatever it wants on that Lua state,
as it should be already protected.
However,
when C code operates on other Lua states
(e.g., a Lua-state argument to the function,
a Lua state stored in the registry, or
the result of @Lid{lua_newthread}),
it should use them only in API calls that cannot raise errors.

The panic function runs as if it were a @x{message handler} @see{error};
in particular, the error object is on the top of the stack.
However, there is no guarantee about stack space.
To push anything on the stack,
the panic function must first check the available space @see{stacksize}.

}

@sect3{statuscodes|@title{Status Codes}

Several functions
that report errors in the API use the following
status codes to indicate different kinds of errors or other conditions:
@description{

@item{@defid{LUA_OK} (0)| no errors.}

@item{@defid{LUA_ERRRUN}| a runtime error.}

@item{@defid{LUA_ERRMEM}|
@x{memory allocation error}.
For such errors, Lua does not call the @x{message handler}.
}

@item{@defid{LUA_ERRERR}| error while running the @x{message handler}.}

@item{@defid{LUA_ERRSYNTAX}| syntax error during precompilation.}

@item{@defid{LUA_YIELD}| the thread (coroutine) yields.}

@item{@defid{LUA_ERRFILE}| a file-related error;
e.g., it cannot open or read the file.}

}
These constants are defined in the header file @id{lua.h}.

}

}

@sect2{continuations|@title{Handling Yields in C}

Internally, Lua uses the C @id{longjmp} facility to yield a coroutine.
Therefore, if a @N{C function} @id{foo} calls an API function
and this API function yields
(directly or indirectly by calling another function that yields),
Lua cannot return to
 @id{foo} any more,
because the @id{longjmp} removes its frame from the @N{C stack}.

To avoid this kind of problem,
Lua raises an error whenever it tries to yield across an API call,
except for three functions:
@Lid{lua_yieldk}, @Lid{lua_callk}, and @Lid{lua_pcallk}.
All those functions receive a @def{continuation function}
(as a parameter named @id{k}) to continue execution after a yield.

We need to set some terminology to explain continuations.
We have a @N{C function} called from Lua which we will call
the @emph{original function}.
This original function then calls one of those three functions in the C API,
which we will call the @emph{callee function},

that then yields the current thread.
This can happen when the callee function is @Lid{lua_yieldk},
or when the callee function is either @Lid{lua_callk} or @Lid{lua_pcallk}
and the function called by them yields.

Suppose the running thread yields while executing the callee function.
After the thread resumes,
it eventually will finish
running the callee function.
However,
the callee function cannot return to the original function,
because its frame in the @N{C stack} was destroyed by the yield.
Instead, Lua calls a @def{continuation function},
which was given as an argument to the callee function.
As the name implies,
the continuation function should continue the task
of the original function.

As an illustration, consider the following function:
@verbatim{
int original_function (lua_State *L) {
 ... /* code 1 */
 status = lua_pcall(L, n, m, h); /* calls Lua */
 ... /* code 2 */
}
}
Now we want to allow
the Lua code being run by @Lid{lua_pcall} to yield.
First, we can rewrite our function like here:
@verbatim{
int k (lua_State *L, int status, lua_KContext ctx) {
 ... /* code 2 */
}

int original_function (lua_State *L) {
 ... /* code 1 */
 return k(L, lua_pcall(L, n, m, h), ctx);
}
}
In the above code,
the new function @id{k} is a
@emph{continuation function} (with type @Lid{lua_KFunction}),
which
should do all the work that the original function
was doing after calling @Lid{lua_pcall}.
Now, we must inform Lua that it must call @id{k} if the Lua code
being executed by @Lid{lua_pcall} gets interrupted in some way
(errors or yielding),

so we rewrite the code as here,
replacing @Lid{lua_pcall} by @Lid{lua_pcallk}:
@verbatim{
int original_function (lua_State *L) {
 ...   /* code 1 */
 return k(L, lua_pcallk(L, n, m, h, ctx2, k), ctx1);
}
}
Note the external, explicit call to the continuation:
Lua will call the continuation only if needed, that is,
in case of errors or resuming after a yield.
If the called function returns normally without ever yielding,
@Lid{lua_pcallk} (and @Lid{lua_callk}) will also return normally.
(Of course, instead of calling the continuation in that case,
you can do the equivalent work directly inside the original function.)

Besides the Lua state,
the continuation function has two other parameters:
the final status of the call and the context value
 (@id{ctx}) that
was passed originally to @Lid{lua_pcallk}.
Lua does not use this context value;
it only passes this value from the original function to the
continuation function.
For @Lid{lua_pcallk},
the status is the same value that would be returned by @Lid{lua_pcallk},
except that it is @Lid{LUA_YIELD} when being executed after a yield
(instead of @Lid{LUA_OK}).
For @Lid{lua_yieldk} and @Lid{lua_callk},
the status is always @Lid{LUA_YIELD} when Lua calls the continuation.
(For these two functions,
Lua will not call the continuation in case of errors,
because they do not handle errors.)
Similarly, when using @Lid{lua_callk},
you should call the continuation function
with @Lid{LUA_OK} as the status.
(For @Lid{lua_yieldk}, there is not much point in calling
directly the continuation function,
because @Lid{lua_yieldk} usually does not return.)

Lua treats the continuation function as if it were the original function.
The continuation function receives the same Lua stack
from the original
 function,
in the same state it would be if the callee function had returned.
(For instance,
after a @Lid{lua_callk} the function and its arguments are
removed from the stack and replaced by the results from the call.)

It also has the same upvalues.
Whatever it returns is handled by Lua as if it were the return
of the original function.

}

@sect2{@title{Functions and Types}

Here we list all functions and types from the @N{C API} in
alphabetical order.
Each function has an indicator like this:
@apii{o,p,x}

The first field, @T{o},
is how many elements the function pops from the stack.
The second field, @T{p},
is how many elements the function pushes onto the stack.
(Any function always pushes its results after popping its arguments.)
A field in the form @T{x|y} means the function can push (or pop)
@T{x} or @T{y} elements,
depending on the situation;
an interrogation mark @Char{?} means that
we cannot know how many elements the function pops/pushes
by looking only at its arguments.
(For
 instance, they may depend on what is in the stack.)
The third field, @T{x},
tells whether the function may raise errors:
@Char{-} means the function never raises any error;
@Char{m} means the function may raise only out-of-memory errors;
@Char{v} means the function may raise the errors explained in the text;
@Char{e} means the function can run arbitrary Lua code,
either directly or through metamethods,
and therefore may raise any errors.

@APIEntry{int lua_absindex (lua_State *L, int idx);|
@apii{0,0,-}

Converts the @x{acceptable index} @id{idx}
into an equivalent @x{absolute index}
(that is, one that does not depend on the stack size).

}

@APIEntry{
typedef void * (*lua_Alloc) (void *ud,

```
                        void *ptr,
                        size_t osize,
                        size_t nsize);|
```

The type of the @x{memory-allocation function} used by Lua states.
The allocator function must provide a
functionality similar to @id{realloc},
but not exactly the
same.
Its arguments are
@id{ud}, an opaque pointer passed to @Lid{lua_newstate};
@id{ptr}, a pointer to the block being allocated/reallocated/freed;
@id{osize}, the original size of the block or some code about what
is being allocated;
and @id{nsize}, the new size of the block.

When @id{ptr} is not @id{NULL},
@id{osize} is the size of the block pointed by @id{ptr},
that is, the size given when it was allocated or reallocated.

When @id{ptr} is @id{NULL},
@id{osize} encodes the kind of object that Lua is allocating.
@id{osize} is any of
@Lid{LUA_TSTRING}, @Lid{LUA_TTABLE}, @Lid{LUA_TFUNCTION},
@Lid{LUA_TUSERDATA}, or @Lid{LUA_TTHREAD} when (and only when)
Lua is creating a new object of that type.
When @id{osize} is some other value,
Lua is allocating memory for something else.

Lua assumes the following behavior from the allocator function:

When @id{nsize} is zero,
the allocator must behave like @id{free}
and then return @id{NULL}.

When @id{nsize} is not zero,
the allocator must behave
like @id{realloc}.
In particular, the allocator returns @id{NULL}
if and only if it cannot fulfill the request.

Here is a simple implementation for the @x{allocator function}.
It is used in the auxiliary library by @Lid{luaL_newstate}.
@verbatim{

```
static void *l_alloc (void *ud, void *ptr, size_t osize,
                                  size_t nsize) {
 (void)ud;  (void)osize;  /* not used */
 if (nsize == 0) {
```

```
  free(ptr);
  return NULL;
 }
 else
  return realloc(ptr, nsize);
}
}
```

Note that @N{ISO C} ensures
that @T{free(NULL)} has no effect and that
@T{realloc(NULL,size)} is equivalent to @T{malloc(size)}.

}

@APIEntry{void lua_arith (lua_State *L, int op);|
@apii{2|1,1,e}

Performs an arithmetic or bitwise operation over the two values
(or one, in the case of negations)
at the top of the stack,
with the value on the top being the second operand,
pops these values, and pushes the result of the operation.
The function follows the semantics of the corresponding Lua
 operator
(that is, it may call metamethods).

The value of @id{op} must be one of the following constants:
@description{

@item{@defid{LUA_OPADD}| performs addition (@T{+})}
@item{@defid{LUA_OPSUB}| performs subtraction (@T{-})}
@item{@defid{LUA_OPMUL}| performs multiplication (@T{*})}
@item{@defid{LUA_OPDIV}| performs float division (@T{/})}
@item{@defid{LUA_OPIDIV}| performs floor division (@T{//})}
@item{@defid{LUA_OPMOD}| performs modulo (@T{%})}
@item{@defid{LUA_OPPOW}| performs exponentiation (@T{^})}
@item{@defid{LUA_OPUNM}| performs mathematical negation (unary @T{-})}
@item{@defid{LUA_OPBNOT}| performs bitwise NOT (@T{~})}
@item{@defid{LUA_OPBAND}| performs bitwise AND (@T{&})}
@item{@defid{LUA_OPBOR}| performs bitwise OR (@T{|})}
@item{@defid{LUA_OPBXOR}| performs bitwise exclusive OR (@T{~})}
@item{@defid{LUA_OPSHL}| performs left shift (@T{<<})}
@item{@defid{LUA_OPSHR}| performs right shift (@T{>>})}

}

}

@APIEntry{lua_CFunction lua_atpanic (lua_State *L, lua_CFunction

panicf);|
@apii{0,0,-}

Sets a new panic function and returns the old one @see{C-error}.

}

@APIEntry{void lua_call (lua_State *L, int nargs, int nresults);|
@apii{nargs+1,nresults,e}

Calls a function.
Like regular Lua calls,
@id{lua_call} respects the @idx{__call} metamethod.
So, here the word @Q{function}
means any callable value.

To do a call you must use the following protocol:
first, the function to be called is pushed onto the stack;
then, the arguments to the call are pushed
in direct order;
that is, the first argument is pushed first.
Finally you call @Lid{lua_call};
@id{nargs} is the number of arguments that you pushed onto the stack.
When the function returns,
all arguments and the function value are popped
and the call results are pushed onto the stack.
The number of results is adjusted to @id{nresults},
unless @id{nresults} is @defid{LUA_MULTRET}.
In this case, all results from the function are pushed;
Lua takes care that the returned values fit into the stack space,
but
it does not ensure any extra space in the stack.
The function results are pushed onto the stack in direct order
(the first result is pushed first),
so that after the call the last result is on the top of the stack.

Any error while calling and running the function is propagated upwards
(with a @id{longjmp}).

The following example shows how the host program can do the
equivalent to this Lua code:
@verbatim{
a = f("how", t.x, 14)
}
Here it is @N{in C}:
@verbatim{
lua_getglobal(L, "f"); /* function to be called */
lua_pushliteral(L, "how"); /* 1st argument */

```
lua_getglobal(L, "t");                  /* table to be indexed */
lua_getfield(L, -1, "x");       /* push result of t.x (2nd arg) */
lua_remove(L, -2);                /* remove 't' from the stack */
lua_pushinteger(L, 14);                         /* 3rd argument */
lua_call(L, 3, 1);     /* call 'f' with 3 arguments and 1 result */
lua_setglobal(L, "a");                          /* set global
 'a' */
}
```
Note that the code above is @emph{balanced}:
at its end, the stack is back to its original configuration.
This is considered good programming practice.

}

@APIEntry{
```
void lua_callk (lua_State *L,
                int nargs,
                int nresults,
                lua_KContext ctx,
                lua_KFunction k);|
```
@apii{nargs + 1,nresults,e}

This function behaves exactly like @Lid{lua_call},
but allows the called function to yield @see{continuations}.

}

@APIEntry{
```
typedef int (*lua_CFunction) (lua_State *L);|
```

Type for @N{C functions}.

In order to communicate properly with Lua,
a @N{C function} must use the following protocol,
which defines the way parameters and results are passed:
a @N{C function} receives its arguments from Lua in its stack
in direct order (the first argument is pushed first).
So, when the function starts,
@T{lua_gettop(L)} returns the number of arguments received by the function.
The first argument (if any) is at index 1
and its last argument
 is at index @T{lua_gettop(L)}.
To return values to Lua, a @N{C function} just pushes them onto the stack,
in direct order (the first result is pushed first),
and returns in C the number of results.
Any other value in the stack below the results will be properly
discarded by Lua.
Like a Lua function, a @N{C function} called by Lua can also return
many results.

As an example, the following function receives a variable number
of numeric arguments and returns their average and their sum:
@verbatim{
```
static int foo (lua_State *L) {
 int n = lua_gettop(L);    /* number of arguments */
 lua_Number sum = 0.0;
 int i;
 for (i = 1; i <= n; i++) {
   if (!lua_isnumber(L, i)) {
     lua_pushliteral(L, "incorrect argument");
     lua_error(L);
   }
   sum += lua_tonumber(L, i);
 }
 lua_pushnumber(L, sum/n);        /* first result */
 lua_pushnumber(L, sum);         /* second result */
 return 2;                   /* number of results */
}
}
```

}

@APIEntry{int lua_checkstack (lua_State
 *L, int n);|
@apii{0,0,-}

Ensures that the stack has space for at least @id{n} extra elements,
that is, that you can safely push up to @id{n} values into it.
It returns false if it cannot fulfill the request,
either because it would cause the stack
to be greater than a fixed maximum size
(typically at least several thousand elements) or
because it cannot allocate memory for the extra space.
This function never shrinks the stack;
if the stack already has space for the extra elements,
it is left unchanged.

}

@APIEntry{void lua_close (lua_State *L);|
@apii{0,0,-}

Close all active to-be-closed variables in the main thread,
release all objects in the given Lua state

(calling the corresponding garbage-collection metamethods, if any),
and frees all dynamic memory used by this state.

On several platforms, you may not need to call this function,
because all resources are naturally released when the host program ends.
On the other hand, long-running programs that create multiple states,
such
 as daemons or web servers,
will probably need to close states as soon as they are not needed.

}

@APIEntry{void lua_closeslot (lua_State *L, int index);|
@apii{0,0,e}

Close the to-be-closed slot at the given index and set its value to @nil.
The index must be the last index previously marked to be closed
@see{lua_toclose} that is still active (that is, not closed yet).

A @idx{__close} metamethod cannot yield
when called through this function.

(This function was introduced in @N{release 5.4.3}.)

}

@APIEntry{int lua_closethread (lua_State *L, lua_State *from);|
@apii{0,?,-}

Resets a thread, cleaning its call stack and closing all pending
to-be-closed variables.
Returns a status code:
@Lid{LUA_OK} for no errors in the thread
(either the original error that stopped the thread or
errors in closing methods),
or an error status otherwise.
In case of error,
leaves the error object on the top of the stack.

The parameter @id{from} represents the coroutine that is resetting @id{L}.
If
 there is no such coroutine,
this parameter can be @id{NULL}.

(This function was introduced in @N{release 5.4.6}.)

}

@APIEntry{int lua_compare (lua_State *L, int index1, int index2, int op);|
@apii{0,0,e}

Compares two Lua values.
Returns 1 if the value at index @id{index1} satisfies @id{op}
when compared with the value at index @id{index2},
following the semantics of the corresponding Lua operator
(that is, it may call metamethods).
Otherwise @N{returns 0}.
Also @N{returns 0} if any of the indices is not valid.

The value of @id{op} must be one of the following constants:
@description{

@item{@defid{LUA_OPEQ}| compares for equality (@T{==})}
@item{@defid{LUA_OPLT}| compares for less than (@T{<})}
@item{@defid{LUA_OPLE}| compares for less or equal (@T{<=})}

}

}

@APIEntry{void lua_concat (lua_State *L, int n);|
@apii{n,1,e}

Concatenates the @id{n} values at the top of the stack,
pops them, and leaves the result on the top.
If @N{@T{n} is 1}, the result is the single value on the
stack
(that is, the function does nothing);
if @id{n} is 0, the result is the empty string.
Concatenation is performed following the usual semantics of Lua
@see{concat}.

}

@APIEntry{void lua_copy (lua_State *L, int fromidx, int toidx);|
@apii{0,0,-}

Copies the element at index @id{fromidx}
into the valid index @id{toidx},
replacing the value at that position.
Values at other positions are not affected.

}

@APIEntry{void lua_createtable (lua_State *L, int narr, int nrec);|
@apii{0,1,m}

Creates a new empty table and pushes it onto the stack.
Parameter @id{narr} is a hint for how many elements the table
will have as a sequence;
parameter @id{nrec} is a hint for how many other elements
the table will have.
Lua may use these hints to preallocate memory for the new table.
This preallocation may help performance when you know in advance
how many elements the table will have.
Otherwise you can use the function @Lid{lua_newtable}.

}

@APIEntry{int lua_dump (lua_State *L,

lua_Writer writer,
void *data,
int strip);|
@apii{0,0,-}

Dumps a function as a binary chunk.
Receives a Lua function on the top of the stack
and produces a binary chunk that,
if loaded again,
results in a function equivalent to the one dumped.
As it produces parts of the chunk,
@Lid{lua_dump} calls function @id{writer} @seeC{lua_Writer}
with the given @id{data}
to write them.

If @id{strip} is true,
the binary representation may not include all debug information
about the function,
to save space.

The value returned is the error code returned by the last
call to the writer;
@N{0 means} no errors.

This function does not pop the Lua function from the stack.

}

@APIEntry{int lua_error (lua_State *L);|
@apii{1,0,v}

Raises a Lua error,
using the value on the top of the stack as the error object.

This function does a long jump,
and therefore never returns
@seeC{luaL_error}.

}

@APIEntry{int lua_gc (lua_State *L, int what, ...);|
@apii{0,0,-}

Controls
the garbage collector.

This function performs several tasks,
according to the value of the parameter @id{what}.
For options that need extra arguments,
they are listed after the option.
@description{

@item{@id{LUA_GCCOLLECT}|
Performs a full garbage-collection cycle.
}

@item{@id{LUA_GCSTOP}|
Stops the garbage collector.
}

@item{@id{LUA_GCRESTART}|
Restarts the garbage collector.
}

@item{@id{LUA_GCCOUNT}|
Returns the current amount of memory (in Kbytes) in use by Lua.
}

@item{@id{LUA_GCCOUNTB}|
Returns the remainder of dividing the current amount of bytes of
memory in use by Lua by 1024.
}

@item{@id{LUA_GCSTEP} @T{(int stepsize)}|
Performs an incremental step of garbage collection,
corresponding to the allocation of @id{stepsize} Kbytes.
}

@item{@id{LUA_GCISRUNNING}|
Returns a boolean that tells whether the collector is running
(i.e., not stopped).
}

@item{@id{LUA_GCINC} (int pause, int stepmul, stepsize)|
Changes the collector to incremental mode
with the
given parameters @see{incmode}.
Returns the previous mode (@id{LUA_GCGEN} or @id{LUA_GCINC}).
}

@item{@id{LUA_GCGEN} (int minormul, int majormul)|
Changes the collector to generational mode
with the given parameters @see{genmode}.
Returns the previous mode (@id{LUA_GCGEN} or @id{LUA_GCINC}).
}

}
For more details about these options,
see @Lid{collectgarbage}.

This function should not be called by a finalizer.

}

@APIEntry{lua_Alloc lua_getallocf (lua_State *L, void **ud);|
@apii{0,0,-}

Returns the @x{memory-allocation function} of a given state.
If @id{ud} is not @id{NULL}, Lua stores in @T{*ud} the
opaque pointer given when the memory-allocator function was set.

}

@APIEntry{int lua_getfield (lua_State *L, int index, const char *k);|
@apii{0,1,e}

Pushes onto the stack the value @T{t[k]},
where @id{t} is the value at the given index.
As in Lua, this function may trigger a metamethod
for the @Q{index} event @see{metatable}.

Returns the type of the pushed value.

}

@APIEntry{void
*lua_getextraspace (lua_State *L);|
@apii{0,0,-}

Returns a pointer to a raw memory area associated with the

given Lua state.
The application can use this area for any purpose;
Lua does not use it for anything.

Each new thread has this area initialized with a copy
of the area of the @x{main thread}.

By default, this area has the size of a pointer to void,
but you can recompile Lua with a different size for this area.
(See @id{LUA_EXTRASPACE} in @id{luaconf.h}.)

}

@APIEntry{int lua_getglobal (lua_State *L, const char *name);|
@apii{0,1,e}

Pushes onto the stack the value of the global @id{name}.
Returns the type of that value.

}

@APIEntry{int lua_geti (lua_State *L, int index, lua_Integer i);|
@apii{0,1,e}

Pushes onto the stack the value @T{t[i]},
where @id{t} is the value at the given index.
As in Lua, this function may trigger a metamethod
for the @Q{index} event @see{metatable}.

Returns the type of the pushed value.

}

@APIEntry{int lua_getmetatable (lua_State *L, int index);|
@apii{0,0|1,-}

If
the value at the given index has a metatable,
the function pushes that metatable onto the stack and @N{returns 1}.
Otherwise,
the function @N{returns 0} and pushes nothing on the stack.

}

@APIEntry{int lua_gettable (lua_State *L, int index);|
@apii{1,1,e}

Pushes onto the stack the value @T{t[k]},

where @id{t} is the value at the given index
and @id{k} is the value on the top of the stack.

This function pops the key from the stack,
pushing the resulting value in its place.
As in Lua, this function may trigger a metamethod
for the @Q{index} event @see{metatable}.

Returns the type of the pushed value.

}

@APIEntry{int lua_gettop (lua_State *L);|
@apii{0,0,-}

Returns the index of the top element in the stack.
Because indices start @N{at 1},
this result is equal to the number of elements in the stack;
in particular, @N{0 means} an empty stack.

}

@APIEntry{int lua_getiuservalue (lua_State *L, int index, int n);|
@apii{0,1,-}

Pushes onto the stack the @id{n}-th
 user value associated with the
full userdata at the given index and
returns the type of the pushed value.

If the userdata does not have that value,
pushes @nil and returns @Lid{LUA_TNONE}.

}

@APIEntry{void lua_insert (lua_State *L, int index);|
@apii{1,1,-}

Moves the top element into the given valid index,
shifting up the elements above this index to open space.
This function cannot be called with a pseudo-index,
because a pseudo-index is not an actual stack position.

}

@APIEntry{typedef @ldots lua_Integer;|

The type of integers in Lua.

By default this type is @id{long long},
(usually a 64-bit two-complement integer),
but that can be changed to @id{long} or @id{int}
(usually a 32-bit two-complement integer).
(See @id{LUA_INT_TYPE} in @id{luaconf.h}.)

Lua also defines the constants
@defid{LUA_MININTEGER} and @defid{LUA_MAXINTEGER},
with the minimum and the maximum values that fit in this type.

}

@APIEntry{int lua_isboolean (lua_State *L, int index);|
@apii{0,0,-}

Returns 1
if the value at the given index is a boolean,
and @N{0 otherwise}.

}

@APIEntry{int lua_iscfunction (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the value at the given index is a @N{C function},
and @N{0 otherwise}.

}

@APIEntry{int lua_isfunction (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the value at the given index is a function
(either C or Lua), and @N{0 otherwise}.

}

@APIEntry{int lua_isinteger (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the value at the given index is an integer
(that is, the value is a number and is represented as an integer),
and @N{0 otherwise}.

}

@APIEntry{int lua_islightuserdata (lua_State *L, int index);|

@apii{0,0,-}

Returns 1 if the value at the given index is a light userdata,
and @N{0 otherwise}.

}

@APIEntry{int lua_isnil (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the value at the given index is @nil,
and @N{0 otherwise}.

}

@APIEntry{int lua_isnone (lua_State *L, int index);|
@apii{0,0,-}

Returns
1 if the given index is not valid,
and @N{0 otherwise}.

}

@APIEntry{int lua_isnoneornil (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the given index is not valid
or if the value at this index is @nil,
and @N{0 otherwise}.

}

@APIEntry{int lua_isnumber (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the value at the given index is a number
or a string convertible to a number,
and @N{0 otherwise}.

}

@APIEntry{int lua_isstring (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the value at the given index is a string
or a number (which is always convertible to a string),
and @N{0 otherwise}.

}

@APIEntry{int lua_istable (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the value at the given index is a table,
and @N{0 otherwise}.

}

@APIEntry{int lua_isthread (lua_State *L, int index);|
@apii{0,0,-}

Returns 1 if the value at the given index is a thread,
and @N{0 otherwise}.

}

@APIEntry{int lua_isuserdata (lua_State *L, int index);|
@apii{0,0,-}

Returns
1 if the value at the given index is a userdata
(either full or light), and @N{0 otherwise}.

}

@APIEntry{int lua_isyieldable (lua_State *L);|
@apii{0,0,-}

Returns 1 if the given coroutine can yield,
and @N{0 otherwise}.

}

@APIEntry{typedef @ldots lua_KContext;|

The type for continuation-function contexts.
It must be a numeric type.
This type is defined as @id{intptr_t}
when @id{intptr_t} is available,
so that it can store pointers too.
Otherwise, it is defined as @id{ptrdiff_t}.

}

@APIEntry{

typedef int (*lua_KFunction) (lua_State *L, int status, lua_KContext ctx);|

Type for continuation functions @see{continuations}.

}

@APIEntry{void lua_len (lua_State *L, int index);|
@apii{0,1,e}

Returns the length of the value at the given index.
It is equivalent to the @Char{#} operator in Lua @see{len-op} and
may trigger a metamethod for the @Q{length} event @see{metatable}.
The result is pushed on the stack.

}

@APIEntry{
int lua_load (lua_State *L,
lua_Reader reader,
void *data,
const char *chunkname,
const char *mode);|
@apii{0,1,-}

Loads a Lua chunk without running it.
If there are no errors,
@id{lua_load} pushes the compiled chunk as a Lua
function on top of the stack.
Otherwise, it pushes an error message.

The @id{lua_load} function uses a user-supplied @id{reader} function
to read the chunk @seeC{lua_Reader}.
The @id{data} argument is an opaque value passed to the reader function.

The @id{chunkname} argument gives a name to the chunk,
which is used for error messages and in debug information @see{debugI}.

@id{lua_load} automatically detects whether the chunk is text or binary
and loads it accordingly (see program @idx{luac}).
The string @id{mode} works as in function @Lid{load},
with the addition that
a @id{NULL} value is equivalent to the string @St{bt}.

@id{lua_load} uses the stack internally,
so the reader function must always leave the stack
unmodified when returning.

@id{lua_load} can return

@Lid{LUA_OK},
@Lid{LUA_ERRSYNTAX}, or @Lid{LUA_ERRMEM}.
The function may also return other values corresponding to
errors raised by the read function @see{statuscodes}.

If the resulting function has upvalues,
its first upvalue is set to the value of the @x{global environment}
stored at index @id{LUA_RIDX_GLOBALS} in the registry @see{registry}.
When loading main chunks,
this upvalue will be the @id{_ENV} variable @see{globalenv}.
Other upvalues are initialized with @nil.

}

@APIEntry{lua_State *lua_newstate (lua_Alloc f, void *ud);|
@apii{0,0,-}

Creates a new independent state and returns its main thread.
Returns @id{NULL} if it cannot create the state
(due to lack of memory).
The argument @id{f} is the @x{allocator function};
Lua will do all memory allocation for this state
through this function @seeF{lua_Alloc}.
The second argument, @id{ud}, is an opaque pointer that Lua
passes to the allocator in every call.

}

@APIEntry{void lua_newtable (lua_State *L);|
@apii{0,1,m}

Creates
a new empty table and pushes it onto the stack.
It is equivalent to @T{lua_createtable(L, 0, 0)}.

}

@APIEntry{lua_State *lua_newthread (lua_State *L);|
@apii{0,1,m}

Creates a new thread, pushes it on the stack,
and returns a pointer to a @Lid{lua_State} that represents this new thread.
The new thread returned by this function shares with the original thread
its global environment,
but has an independent execution stack.

Threads are subject to garbage collection,
like any Lua object.

}

@APIEntry{void *lua_newuserdatauv (lua_State *L, size_t size, int nuvalue);|
@apii{0,1,m}

This function creates and pushes on the stack a new full userdata,
with @id{nuvalue} associated Lua values, called @id{user values},
plus an associated block of raw memory with @id{size} bytes.
(The user values can be set and read with the functions
@Lid{lua_setiuservalue} and @Lid{lua_getiuservalue}.)

The function returns the address of the block of memory.
Lua ensures that this address is valid as long as
the
corresponding userdata is alive @see{GC}.
Moreover, if the userdata is marked for finalization @see{finalizers},
its address is valid at least until the call to its finalizer.

}

@APIEntry{int lua_next (lua_State *L, int index);|
@apii{1,2|0,v}

Pops a key from the stack,
and pushes a key@En{}value pair from the table at the given index,
the @Q{next} pair after the given key.
If there are no more elements in the table,
then @Lid{lua_next} @N{returns 0} and pushes nothing.

A typical table traversal looks like this:
@verbatim{
/* table is in the stack at index 't' */
lua_pushnil(L); /* first key */
while (lua_next(L, t) != 0) {
 /* uses 'key' (at index -2) and 'value' (at index -1) */
 printf("%s - %s\n",
        lua_typename(L, lua_type(L, -2)),
        lua_typename(L, lua_type(L, -1)));
 /* removes 'value'; keeps 'key' for next iteration */
 lua_pop(L, 1);
}
}

While traversing a table,
avoid calling @Lid{lua_tolstring} directly on a key,
unless you know that the key is

actually a string.
Recall that @Lid{lua_tolstring} may change
the value at the given index;
this confuses the next call to @Lid{lua_next}.

This function may raise an error if the given key
is neither @nil nor present in the table.
See function @Lid{next} for the caveats of modifying
the table during its traversal.

}

@APIEntry{typedef @ldots lua_Number;|

The type of floats in Lua.

By default this type is double,
but that can be changed to a single float or a long double.
(See @id{LUA_FLOAT_TYPE} in @id{luaconf.h}.)

}

@APIEntry{int lua_numbertointeger (lua_Number n, lua_Integer *p);|

Tries to convert a Lua float to a Lua integer;
the float @id{n} must have an integral value.
If that value is within the range of Lua integers,
it is converted to an integer and assigned to @T{*p}.
The macro results in a boolean indicating whether the
conversion was successful.
(Note that this range test can be tricky to do
correctly without this macro, due to rounding.)

This macro may evaluate its
arguments more than once.

}

@APIEntry{int lua_pcall (lua_State *L, int nargs, int nresults, int msgh);|
@apii{nargs + 1,nresults|1,-}

Calls a function (or a callable object) in protected mode.

Both @id{nargs} and @id{nresults} have the same meaning as
in @Lid{lua_call}.
If there are no errors during the call,
@Lid{lua_pcall} behaves exactly like @Lid{lua_call}.
However, if there is any error,

@Lid{lua_pcall} catches it,
pushes a single value on the stack (the error object),
and returns an error code.
Like @Lid{lua_call},
@Lid{lua_pcall} always removes the function
and its arguments from the stack.

If @id{msgh} is 0,
then the error object returned on the stack
is exactly the original error object.
Otherwise, @id{msgh} is the stack index of a
@emph{message handler}.
(This index cannot be a pseudo-index.)
In case of runtime errors,
this handler will be called with the error object
and its return value will be the object
returned on the stack by @Lid{lua_pcall}.

Typically, the message
handler is used to add more debug
information to the error object, such as a stack traceback.
Such information cannot be gathered after the return of @Lid{lua_pcall},
since by then the stack has unwound.

The @Lid{lua_pcall} function returns one of the following status codes:
@Lid{LUA_OK}, @Lid{LUA_ERRRUN}, @Lid{LUA_ERRMEM}, or @Lid{LUA_ERRERR}.

}

@APIEntry{
int lua_pcallk (lua_State *L,
        int nargs,
        int nresults,
        int msgh,
        lua_KContext ctx,
        lua_KFunction k);|
@apii{nargs + 1,nresults|1,-}

This function behaves exactly like @Lid{lua_pcall},
except that it allows the called function to yield @see{continuations}.

}

@APIEntry{void lua_pop (lua_State *L, int n);|
@apii{n,0,e}

Pops @id{n} elements from the stack.
It is implemented as a macro over @Lid{lua_settop}.

}

@APIEntry{void lua_pushboolean (lua_State *L, int b);|
@apii{0,1,-}

Pushes a boolean value with value @id{b} onto the stack.

}

@APIEntry{void
 lua_pushcclosure (lua_State *L, lua_CFunction fn, int n);|
@apii{n,1,m}

Pushes a new @N{C closure} onto the stack.
This function receives a pointer to a @N{C function}
and pushes onto the stack a Lua value of type @id{function} that,
when called, invokes the corresponding @N{C function}.
The parameter @id{n} tells how many upvalues this function will have
@see{c-closure}.

Any function to be callable by Lua must
follow the correct protocol to receive its parameters
and return its results @seeC{lua_CFunction}.

When a @N{C function} is created,
it is possible to associate some values with it,
the so called upvalues;
these upvalues are then accessible to the function whenever it is called.
This association is called a @x{@N{C closure}} @see{c-closure}.
To create a @N{C closure},
first the initial values for its upvalues must be pushed onto the stack.
(When there are multiple upvalues, the first value is pushed first.)
Then @Lid{lua_pushcclosure}
is called to create and push the @N{C
 function} onto the stack,
with the argument @id{n} telling how many values will be
associated with the function.
@Lid{lua_pushcclosure} also pops these values from the stack.

The maximum value for @id{n} is 255.

When @id{n} is zero,
this function creates a @def{light @N{C function}},
which is just a pointer to the @N{C function}.
In that case, it never raises a memory error.

}

@APIEntry{void lua_pushcfunction (lua_State *L, lua_CFunction f);|
@apii{0,1,-}

Pushes a @N{C function} onto the stack.
This function is equivalent to @Lid{lua_pushcclosure} with no upvalues.

}

@APIEntry{const char *lua_pushfstring (lua_State *L, const char *fmt, ...);|
@apii{0,1,v}

Pushes onto the stack a formatted string
and returns a pointer to this string @see{constchar}.
It is similar to the @ANSI{sprintf},
but has two important differences.
First,
you do not have to allocate space for the result;
the result is a Lua string and Lua takes care of memory allocation
(and deallocation, through garbage
 collection).
Second,
the conversion specifiers are quite restricted.
There are no flags, widths, or precisions.
The conversion specifiers can only be
@Char{%%} (inserts the character @Char{%}),
@Char{%s} (inserts a zero-terminated string, with no size restrictions),
@Char{%f} (inserts a @Lid{lua_Number}),
@Char{%I} (inserts a @Lid{lua_Integer}),
@Char{%p} (inserts a pointer),
@Char{%d} (inserts an @T{int}),
@Char{%c} (inserts an @T{int} as a one-byte character), and
@Char{%U} (inserts a @T{long int} as a @x{UTF-8} byte sequence).

This function may raise errors due to memory overflow
or an invalid conversion specifier.

}

@APIEntry{void lua_pushglobaltable (lua_State *L);|
@apii{0,1,-}

Pushes the @x{global environment} onto the stack.

}

@APIEntry{void lua_pushinteger (lua_State *L, lua_Integer n);|
@apii{0,1,-}

Pushes an integer with value @id{n} onto the stack.

}

@APIEntry{void lua_pushlightuserdata (lua_State *L, void *p);|
@apii{0,1,-}

Pushes a light userdata onto the stack.

Userdata
represent @N{C values} in Lua.
A @def{light userdata} represents a pointer, a @T{void*}.
It is a value (like a number):
you do not create it, it has no individual metatable,
and it is not collected (as it was never created).
A light userdata is equal to @Q{any}
light userdata with the same @N{C address}.

}

@APIEntry{const char *lua_pushliteral (lua_State *L, const char *s);|
@apii{0,1,m}

This macro is equivalent to @Lid{lua_pushstring},
but should be used only when @id{s} is a literal string.
(Lua may optimize this case.)

}

@APIEntry{const char *lua_pushlstring (lua_State *L, const char *s, size_t len);|
@apii{0,1,m}

Pushes the string pointed to by @id{s} with size @id{len}
onto the stack.
Lua will make or reuse an internal copy of the given string,
so the memory at @id{s} can be freed or reused immediately after
the function returns.
The string can contain any binary data,
including @x{embedded zeros}.

Returns a pointer to the internal copy of the string @see{constchar}.

}

@APIEntry{void
lua_pushnil (lua_State *L);|
@apii{0,1,-}

Pushes a nil value onto the stack.

}

@APIEntry{void lua_pushnumber (lua_State *L, lua_Number n);|
@apii{0,1,-}

Pushes a float with value @id{n} onto the stack.

}

@APIEntry{const char *lua_pushstring (lua_State *L, const char *s);|
@apii{0,1,m}

Pushes the zero-terminated string pointed to by @id{s}
onto the stack.
Lua will make or reuse an internal copy of the given string,
so the memory at @id{s} can be freed or reused immediately after
the function returns.

Returns a pointer to the internal copy of the string @see{constchar}.

If @id{s} is @id{NULL}, pushes @nil and returns @id{NULL}.

}

@APIEntry{int lua_pushthread (lua_State *L);|
@apii{0,1,-}

Pushes the thread represented by @id{L} onto the stack.
Returns 1 if this thread is the @x{main thread} of its state.

}

@APIEntry{void lua_pushvalue (lua_State *L, int index);|
@apii{0,1,-}

Pushes a copy of the element at the given index
onto the stack.

}

@APIEntry{
const
 char *lua_pushvfstring (lua_State *L,
                         const char *fmt,
                         va_list argp);|

@apii{0,1,v}

Equivalent to @Lid{lua_pushfstring}, except that it receives a @id{va_list}
instead of a variable number of arguments.

}

@APIEntry{int lua_rawequal (lua_State *L, int index1, int index2);|
@apii{0,0,-}

Returns 1 if the two values in indices @id{index1} and
@id{index2} are primitively equal
(that is, equal without calling the @idx{__eq} metamethod).
Otherwise @N{returns 0}.
Also @N{returns 0} if any of the indices are not valid.

}

@APIEntry{int lua_rawget (lua_State *L, int index);|
@apii{1,1,-}

Similar to @Lid{lua_gettable}, but does a raw access
(i.e., without metamethods).
The value at @id{index} must be a table.

}

@APIEntry{int lua_rawgeti (lua_State *L, int index, lua_Integer n);|
@apii{0,1,-}

Pushes onto the stack the value @T{t[n]},
where @id{t} is the table at the given index.
The access is raw,
that is, it does not use
the @idx{__index} metavalue.

Returns the type of the pushed value.

}

@APIEntry{int lua_rawgetp (lua_State *L, int index, const void *p);|
@apii{0,1,-}

Pushes onto the stack the value @T{t[k]},
where @id{t} is the table at the given index and
@id{k} is the pointer @id{p} represented as a light userdata.
The access is raw;
that is, it does not use the @idx{__index} metavalue.

Returns the type of the pushed value.

}

@APIEntry{lua_Unsigned lua_rawlen (lua_State *L, int index);|
@apii{0,0,-}

Returns the raw @Q{length} of the value at the given index:
for strings, this is the string length;
for tables, this is the result of the length operator (@Char{#})
with no metamethods;
for userdata, this is the size of the block of memory allocated
for the userdata.
For other values, this call @N{returns 0}.

}

@APIEntry{void lua_rawset (lua_State *L, int index);|
@apii{2,0,m}

Similar to @Lid{lua_settable}, but does a raw assignment
(i.e., without metamethods).
The value at @id{index} must
be a table.

}

@APIEntry{void lua_rawseti (lua_State *L, int index, lua_Integer i);|
@apii{1,0,m}

Does the equivalent of @T{t[i] = v},
where @id{t} is the table at the given index
and @id{v} is the value on the top of the stack.

This function pops the value from the stack.
The assignment is raw,
that is, it does not use the @idx{__newindex} metavalue.

}

@APIEntry{void lua_rawsetp (lua_State *L, int index, const void *p);|
@apii{1,0,m}

Does the equivalent of @T{t[p] = v},
where @id{t} is the table at the given index,
@id{p} is encoded as a light userdata,
and @id{v} is the value on the top of the stack.

This function pops the value from the stack.
The assignment is raw,
that is, it does not use the @idx{__newindex} metavalue.

}

@APIEntry{
typedef const char * (*lua_Reader) (lua_State *L,
                                    void *data,
                                    size_t *size);|

The reader function used by @Lid{lua_load}.
Every time @Lid{lua_load} needs another piece of
 the chunk,
it calls the reader,
passing along its @id{data} parameter.
The reader must return a pointer to a block of memory
with a new piece of the chunk
and set @id{size} to the block size.
The block must exist until the reader function is called again.
To signal the end of the chunk,
the reader must return @id{NULL} or set @id{size} to zero.
The reader function may return pieces of any size greater than zero.

}

@APIEntry{void lua_register (lua_State *L, const char *name, lua_CFunction f);|
@apii{0,0,e}

Sets the @N{C function} @id{f} as the new value of global @id{name}.
It is defined as a macro:
@verbatim{
#define lua_register(L,n,f) \
    (lua_pushcfunction(L, f), lua_setglobal(L, n))
}

}

@APIEntry{void lua_remove (lua_State *L, int index);|
@apii{1,0,-}

Removes the element at the given valid index,
shifting down the elements above this index to fill the gap.
This function cannot be called with a pseudo-index,
because a pseudo-index is not an actual stack position.

}

@APIEntry{void
 lua_replace (lua_State *L, int index);|
@apii{1,0,-}

Moves the top element into the given valid index
without shifting any element
(therefore replacing the value at that given index),
and then pops the top element.

}

@APIEntry{int lua_resetthread (lua_State *L);|
@apii{0,?,-}

This function is deprecated;
it is equivalent to @Lid{lua_closethread} with
@id{from} being @id{NULL}.

}

@APIEntry{int lua_resume (lua_State *L, lua_State *from, int nargs,
                          int *nresults);|
@apii{?,?,-}

Starts and resumes a coroutine in the given thread @id{L}.

To start a coroutine,
you push the main function plus any arguments
onto the empty stack of the thread.
then you call @Lid{lua_resume},
with @id{nargs} being the number of arguments.
This call returns when the coroutine suspends or finishes its execution.
When it returns,
@id{*nresults} is updated and
the top of the stack contains
the @id{*nresults} values passed to @Lid{lua_yield}
or returned by the body function.
@Lid{lua_resume}
 returns
@Lid{LUA_YIELD} if the coroutine yields,
@Lid{LUA_OK} if the coroutine finishes its execution
without errors,
or an error code in case of errors @see{statuscodes}.
In case of errors,
the error object is on the top of the stack.

To resume a coroutine,

you remove the @id{*nresults} yielded values from its stack,
push the values to be passed as results from @id{yield},
and then call @Lid{lua_resume}.

The parameter @id{from} represents the coroutine that is resuming @id{L}.
If there is no such coroutine,
this parameter can be @id{NULL}.

}

@APIEntry{void lua_rotate (lua_State *L, int idx, int n);|
@apii{0,0,-}

Rotates the stack elements between the valid index @id{idx}
and the top of the stack.
The elements are rotated @id{n} positions in the direction of the top,
for a positive @id{n},
or @T{-n} positions in the direction of the bottom,
for a negative @id{n}.
The absolute value of @id{n} must not be greater than the size
of the slice being rotated.
This function
cannot be called with a pseudo-index,
because a pseudo-index is not an actual stack position.

}

@APIEntry{void lua_setallocf (lua_State *L, lua_Alloc f, void *ud);|
@apii{0,0,-}

Changes the @x{allocator function} of a given state to @id{f}
with user data @id{ud}.

}

@APIEntry{void lua_setfield (lua_State *L, int index, const char *k);|
@apii{1,0,e}

Does the equivalent to @T{t[k] = v},
where @id{t} is the value at the given index
and @id{v} is the value on the top of the stack.

This function pops the value from the stack.
As in Lua, this function may trigger a metamethod
for the @Q{newindex} event @see{metatable}.

}

@APIEntry{void lua_setglobal (lua_State *L, const char *name);|
@apii{1,0,e}

Pops a value from the stack and
sets it as the new value of global @id{name}.

}

@APIEntry{void lua_seti (lua_State *L, int index, lua_Integer n);|
@apii{1,0,e}

Does the equivalent to @T{t[n] = v},
where @id{t} is the value at the given index
and @id{v} is the value on the top of
the stack.

This function pops the value from the stack.
As in Lua, this function may trigger a metamethod
for the @Q{newindex} event @see{metatable}.

}

@APIEntry{int lua_setiuservalue (lua_State *L, int index, int n);|
@apii{1,0,-}

Pops a value from the stack and sets it as
the new @id{n}-th user value associated to the
full userdata at the given index.
Returns 0 if the userdata does not have that value.

}

@APIEntry{int lua_setmetatable (lua_State *L, int index);|
@apii{1,0,-}

Pops a table or @nil from the stack and
sets that value as the new metatable for the value at the given index.
(@nil means no metatable.)

(For historical reasons, this function returns an @id{int},
which now is always 1.)

}

@APIEntry{void lua_settable (lua_State *L, int index);|
@apii{2,0,e}

Does the equivalent to @T{t[k] = v},

where @id{t} is the value at the given index,
@id{v} is the value on the top of the stack,
and @id{k} is the value just below the top.

This function pops both the key and the value
from the stack.
As in Lua, this function may trigger a metamethod
for the @Q{newindex} event @see{metatable}.

}

@APIEntry{void lua_settop (lua_State *L, int index);|
@apii{?,?,e}

Accepts any index, @N{or 0},
and sets the stack top to this index.
If the new top is greater than the old one,
then the new elements are filled with @nil.
If @id{index} @N{is 0}, then all stack elements are removed.

This function can run arbitrary code when removing an index
marked as to-be-closed from the stack.

}

@APIEntry{void lua_setwarnf (lua_State *L, lua_WarnFunction f, void *ud);|
@apii{0,0,-}

Sets the @x{warning function} to be used by Lua to emit warnings
@see{lua_WarnFunction}.
The @id{ud} parameter sets the value @id{ud} passed to
the warning function.

}

@APIEntry{typedef struct lua_State lua_State;|

An opaque structure that points to a thread and indirectly
(through the thread) to the whole state of a Lua interpreter.
The Lua library is fully reentrant:
it has no global variables.
All
information about a state is accessible through this structure.

A pointer to this structure must be passed as the first argument to
every function in the library, except to @Lid{lua_newstate},
which creates a Lua state from scratch.

}

@APIEntry{int lua_status (lua_State *L);|
@apii{0,0,-}

Returns the status of the thread @id{L}.

The status can be @Lid{LUA_OK} for a normal thread,
an error code if the thread finished the execution
of a @Lid{lua_resume} with an error,
or @Lid{LUA_YIELD} if the thread is suspended.

You can call functions only in threads with status @Lid{LUA_OK}.
You can resume threads with status @Lid{LUA_OK}
(to start a new coroutine) or @Lid{LUA_YIELD}
(to resume a coroutine).

}

@APIEntry{size_t lua_stringtonumber (lua_State *L, const char *s);|
@apii{0,1,-}

Converts the zero-terminated string @id{s} to a number,
pushes that number into the stack,
and returns the total size of the string,
that is, its length plus one.
The conversion can result in an integer
 or a float,
according to the lexical conventions of Lua @see{lexical}.
The string may have leading and trailing whitespaces and a sign.
If the string is not a valid numeral,
returns 0 and pushes nothing.
(Note that the result can be used as a boolean,
true if the conversion succeeds.)

}

@APIEntry{int lua_toboolean (lua_State *L, int index);|
@apii{0,0,-}

Converts the Lua value at the given index to a @N{C boolean}
value (@N{0 or 1}).
Like all tests in Lua,
@Lid{lua_toboolean} returns true for any Lua value
different from @false and @nil;
otherwise it returns false.
(If you want to accept only actual boolean values,
use @Lid{lua_isboolean} to test the value's type.)

}

@APIEntry{lua_CFunction lua_tocfunction (lua_State *L, int index);|
@apii{0,0,-}

Converts a value at the given index to a @N{C function}.
That value must be a @N{C function};
otherwise, returns @id{NULL}.

}

@APIEntry{void lua_toclose (lua_State *L, int index);|
@apii{0,0,m}

Marks the given index in the stack as a
to-be-closed
slot @see{to-be-closed}.
Like a to-be-closed variable in Lua,
the value at that slot in the stack will be closed
when it goes out of scope.
Here, in the context of a C function,
to go out of scope means that the running function returns to Lua,
or there is an error,
or the slot is removed from the stack through
@Lid{lua_settop} or @Lid{lua_pop},
or there is a call to @Lid{lua_closeslot}.
A slot marked as to-be-closed should not be removed from the stack
by any other function in the API except @Lid{lua_settop} or @Lid{lua_pop},
unless previously deactivated by @Lid{lua_closeslot}.

This function should not be called for an index
that is equal to or below an active to-be-closed slot.

Note that, both in case of errors and of a regular return,
by the time the @idx{__close} metamethod runs,
the @N{C stack} was already unwound,
so that any automatic @N{C variable} declared in the calling function
(e.g., a buffer) will be out of scope.

}

@APIEntry{lua_Integer lua_tointeger (lua_State
*L, int index);|
@apii{0,0,-}

Equivalent to @Lid{lua_tointegerx} with @id{isnum} equal to @id{NULL}.

}

@APIEntry{lua_Integer lua_tointegerx (lua_State *L, int index, int *isnum);|
@apii{0,0,-}

Converts the Lua value at the given index
to the signed integral type @Lid{lua_Integer}.
The Lua value must be an integer,
or a number or string convertible to an integer @see{coercion};
otherwise, @id{lua_tointegerx} @N{returns 0}.

If @id{isnum} is not @id{NULL},
its referent is assigned a boolean value that
indicates whether the operation succeeded.

}

@APIEntry{const char *lua_tolstring (lua_State *L, int index, size_t *len);|
@apii{0,0,m}

Converts the Lua value at the given index to a @N{C string}.
If @id{len} is not @id{NULL},
it sets @T{*len} with the string length.
The Lua value must be a string or a number;
otherwise, the function returns @id{NULL}.
If the value is a number,
then @id{lua_tolstring} also
@emph{changes the actual value in the stack to a string}.
(This change
 confuses @Lid{lua_next}
when @id{lua_tolstring} is applied to keys during a table traversal.)

@id{lua_tolstring} returns a pointer
to a string inside the Lua state @see{constchar}.
This string always has a zero (@Char{\0})
after its last character (as @N{in C}),
but can contain other zeros in its body.

}

@APIEntry{lua_Number lua_tonumber (lua_State *L, int index);|
@apii{0,0,-}

Equivalent to @Lid{lua_tonumberx} with @id{isnum} equal to @id{NULL}.

}

@APIEntry{lua_Number lua_tonumberx (lua_State *L, int index, int *isnum);|

@apii{0,0,-}

Converts the Lua value at the given index
to the @N{C type} @Lid{lua_Number} @seeC{lua_Number}.
The Lua value must be a number or a string convertible to a number
@see{coercion};
otherwise, @Lid{lua_tonumberx} @N{returns 0}.

If @id{isnum} is not @id{NULL},
its referent is assigned a boolean value that
indicates whether the operation succeeded.

}

@APIEntry{const void *lua_topointer (lua_State *L, int index);|
@apii{0,0,-}

Converts the value at the
 given index to a generic
@N{C pointer} (@T{void*}).
The value can be a userdata, a table, a thread, a string, or a function;
otherwise, @id{lua_topointer} returns @id{NULL}.
Different objects will give different pointers.
There is no way to convert the pointer back to its original value.

Typically this function is used only for hashing and debug information.

}

@APIEntry{const char *lua_tostring (lua_State *L, int index);|
@apii{0,0,m}

Equivalent to @Lid{lua_tolstring} with @id{len} equal to @id{NULL}.

}

@APIEntry{lua_State *lua_tothread (lua_State *L, int index);|
@apii{0,0,-}

Converts the value at the given index to a Lua thread
(represented as @T{lua_State*}).
This value must be a thread;
otherwise, the function returns @id{NULL}.

}

@APIEntry{void *lua_touserdata (lua_State *L, int index);|
@apii{0,0,-}

If the value at the given index is a full userdata,
returns its memory-block address.
If the value is a light userdata,
returns its value (a pointer).
Otherwise, returns
@id{NULL}.

}

@APIEntry{int lua_type (lua_State *L, int index);|
@apii{0,0,-}

Returns the type of the value in the given valid index,
or @id{LUA_TNONE} for a non-valid but acceptable index.
The types returned by @Lid{lua_type} are coded by the following constants
defined in @id{lua.h}:
@defid{LUA_TNIL},
@defid{LUA_TNUMBER},
@defid{LUA_TBOOLEAN},
@defid{LUA_TSTRING},
@defid{LUA_TTABLE},
@defid{LUA_TFUNCTION},
@defid{LUA_TUSERDATA},
@defid{LUA_TTHREAD},
and
@defid{LUA_TLIGHTUSERDATA}.

}

@APIEntry{const char *lua_typename (lua_State *L, int tp);|
@apii{0,0,-}

Returns the name of the type encoded by the value @id{tp},
which must be one the values returned by @Lid{lua_type}.

}

@APIEntry{typedef @ldots lua_Unsigned;|

The unsigned version of @Lid{lua_Integer}.

}

@APIEntry{int lua_upvalueindex (int i);|
@apii{0,0,-}

Returns the pseudo-index that represents the @id{i}-th upvalue of

the running function @see{c-closure}.
@id{i} must be in the range @M{[1,256]}.

}

@APIEntry{lua_Number
 lua_version (lua_State *L);|
@apii{0,0,-}

Returns the version number of this core.

}

@APIEntry{
typedef void (*lua_WarnFunction) (void *ud, const char *msg, int tocont);|

The type of @x{warning function}s, called by Lua to emit warnings.
The first parameter is an opaque pointer
set by @Lid{lua_setwarnf}.
The second parameter is the warning message.
The third parameter is a boolean that
indicates whether the message is
to be continued by the message in the next call.

See @Lid{warn} for more details about warnings.

}

@APIEntry{
void lua_warning (lua_State *L, const char *msg, int tocont);|
@apii{0,0,-}

Emits a warning with the given message.
A message in a call with @id{tocont} true should be
continued in another call to this function.

See @Lid{warn} for more details about warnings.

}

@APIEntry{
typedef int (*lua_Writer) (lua_State *L,
                           const void* p,
                           size_t sz,
                           void* ud);|

The type of the writer

function used by @Lid{lua_dump}.
Every time @Lid{lua_dump} produces another piece of chunk,
it calls the writer,
passing along the buffer to be written (@id{p}),
its size (@id{sz}),
and the @id{ud} parameter supplied to @Lid{lua_dump}.

The writer returns an error code:
@N{0 means} no errors;
any other value means an error and stops @Lid{lua_dump} from
calling the writer again.

}

@APIEntry{void lua_xmove (lua_State *from, lua_State *to, int n);|
@apii{?,?,-}

Exchange values between different threads of the same state.

This function pops @id{n} values from the stack @id{from},
and pushes them onto the stack @id{to}.

}

@APIEntry{int lua_yield (lua_State *L, int nresults);|
@apii{?,?,v}

This function is equivalent to @Lid{lua_yieldk},
but it has no continuation @see{continuations}.
Therefore, when the thread resumes,
it continues the function that called
the function calling @id{lua_yield}.
To avoid surprises,
this function should be called only in a tail call.

}

@APIEntry{
int
lua_yieldk (lua_State *L,
int nresults,
lua_KContext ctx,
lua_KFunction k);|
@apii{?,?,v}

Yields a coroutine (thread).

When a @N{C function} calls @Lid{lua_yieldk},
the running coroutine suspends its execution,
and the call to @Lid{lua_resume} that started this coroutine returns.
The parameter @id{nresults} is the number of values from the stack
that will be passed as results to @Lid{lua_resume}.

When the coroutine is resumed again,
Lua calls the given @x{continuation function} @id{k} to continue
the execution of the @N{C function} that yielded @see{continuations}.
This continuation function receives the same stack
from the previous function,
with the @id{n} results removed and
replaced by the arguments passed to @Lid{lua_resume}.
Moreover,
the continuation function receives the value @id{ctx}
that was passed to @Lid{lua_yieldk}.

Usually, this function does not return;
when the coroutine eventually resumes,
it continues executing the
continuation function.
However, there is one special case,
which is when this function is called
from inside a line or a count hook @see{debugI}.
In that case, @id{lua_yieldk} should be called with no continuation
(probably in the form of @Lid{lua_yield}) and no results,
and the hook should return immediately after the call.
Lua will yield and,
when the coroutine resumes again,
it will continue the normal execution
of the (Lua) function that triggered the hook.

This function can raise an error if it is called from a thread
with a pending C call with no continuation function
(what is called a @emphx{C-call boundary}),
or it is called from a thread that is not running inside a resume
(typically the main thread).

}

}

@sect2{debugI| @title{The Debug Interface}

Lua has no built-in debugging facilities.
Instead, it offers a special interface
by means of functions and @emph{hooks}.
This interface allows the construction of different

kinds of debuggers, profilers, and other tools
that need
@Q{inside information} from the interpreter.

@APIEntry{
typedef struct lua_Debug {
int event;
const char *name; /* (n) */
const char *namewhat; /* (n) */
const char *what; /* (S) */
const char *source; /* (S) */
size_t srclen; /* (S) */
int currentline; /* (l) */
int linedefined; /* (S) */
int lastlinedefined; /* (S) */
unsigned char nups; /* (u) number of upvalues */
unsigned char nparams; /* (u) number of parameters */
char isvararg; /* (u) */
char istailcall; /* (t) */
unsigned short ftransfer; /* (r) index of first value transferred */
unsigned short ntransfer; /* (r) number of transferred values */
char short_src[LUA_IDSIZE]; /* (S) */
/* private part */
@rep{other fields}
} lua_Debug;
|

A structure used to carry different pieces of
information about a function or an activation record.
@Lid{lua_getstack} fills only the private
part
of this structure, for later use.
To fill the other fields of @Lid{lua_Debug} with useful information,
you must call @Lid{lua_getinfo} with an appropriate parameter.
(Specifically, to get a field,
you must add the letter between parentheses in the field's comment
to the parameter @id{what} of @Lid{lua_getinfo}.)

The fields of @Lid{lua_Debug} have the following meaning:
@description{

@item{@id{source}|
the source of the chunk that created the function.
If @T{source} starts with a @Char{@At},
it means that the function was defined in a file where
the file name follows the @Char{@At}.
If @T{source} starts with a @Char{=},

the remainder of its contents describes the source in a user-dependent manner.
Otherwise,
the function was defined in a string where
@T{source} is that string.
}

@item{@id{srclen}|
The length of the string @id{source}.
}

@item{@id{short_src}|
a @Q{printable} version of @T{source}, to be used in error messages.
}

@item{@id{linedefined}|
the line number where
the definition of the function starts.
}

@item{@id{lastlinedefined}|
the line number where the definition of the function ends.
}

@item{@id{what}|
the string @T{"Lua"} if the function is a Lua function,
@T{"C"} if it is a @N{C function},
@T{"main"} if it is the main part of a chunk.
}

@item{@id{currentline}|
the current line where the given function is executing.
When no line information is available,
@T{currentline} is set to @num{-1}.
}

@item{@id{name}|
a reasonable name for the given function.
Because functions in Lua are first-class values,
they do not have a fixed name:
some functions can be the value of multiple global variables,
while others can be stored only in a table field.
The @T{lua_getinfo} function checks how the function was
called to find a suitable name.
If it cannot find a name,
then @id{name} is set to @id{NULL}.
}

@item{@id{namewhat}|

explains the @T{name} field.
The value of @T{namewhat} can be
@T{"global"}, @T{"local"}, @T{"method"},
@T{"field"}, @T{"upvalue"},
 or @T{""} (the empty string),
according to how the function was called.
(Lua uses the empty string when no other option seems to apply.)
}

@item{@id{istailcall}|
true if this function invocation was called by a tail call.
In this case, the caller of this level is not in the stack.
}

@item{@id{nups}|
the number of upvalues of the function.
}

@item{@id{nparams}|
the number of parameters of the function
(always @N{0 for} @N{C functions}).
}

@item{@id{isvararg}|
true if the function is a variadic function
(always true for @N{C functions}).
}

@item{@id{ftransfer}|
the index in the stack of the first value being @Q{transferred},
that is, parameters in a call or return values in a return.
(The other values are in consecutive indices.)
Using this index, you can access and modify these values
through @Lid{lua_getlocal} and @Lid{lua_setlocal}.
This field is only meaningful during a
call hook, denoting the first parameter,
or a return hook, denoting the first value being returned.
(For call
 hooks, this value is always 1.)
}

@item{@id{ntransfer}|
The number of values being transferred (see previous item).
(For calls of Lua functions,
this value is always equal to @id{nparams}.)
}

}

}

@APIEntry{lua_Hook lua_gethook (lua_State *L);|
@apii{0,0,-}

Returns the current hook function.

}

@APIEntry{int lua_gethookcount (lua_State *L);|
@apii{0,0,-}

Returns the current hook count.

}

@APIEntry{int lua_gethookmask (lua_State *L);|
@apii{0,0,-}

Returns the current hook mask.

}

@APIEntry{int lua_getinfo (lua_State *L, const char *what, lua_Debug *ar);|
@apii{0|1,0|1|2,m}

Gets information about a specific function or function invocation.

To get information about a function invocation,
the parameter @id{ar} must be a valid activation record that was
filled by a previous call to @Lid{lua_getstack} or
given as argument to a hook @seeC{lua_Hook}.

To get information about a function, you push it onto the stack
and start the @id{what} string with the character @Char{>}.
(In
 that case,
@id{lua_getinfo} pops the function from the top of the stack.)
For instance, to know in which line a function @id{f} was defined,
you can write the following code:
@verbatim{
lua_Debug ar;
lua_getglobal(L, "f"); /* get global 'f' */
lua_getinfo(L, ">S", &ar);
printf("%d\n", ar.linedefined);
}

Each character in the string @id{what}
selects some fields of the structure @id{ar} to be filled or
a value to be pushed on the stack.
(These characters are also documented in the declaration of
the structure @Lid{lua_Debug},
between parentheses in the comments following each field.)
@description{

@item{@Char{f}|
pushes onto the stack the function that is
running at the given level;
}

@item{@Char{l}| fills in the field @id{currentline};
}

@item{@Char{n}| fills in the fields @id{name} and @id{namewhat};
}

@item{@Char{r}| fills in the fields @id{ftransfer} and @id{ntransfer};
}

@item{@Char{S}|
fills in the fields @id{source}, @id{short_src},
@id{linedefined}, @id{lastlinedefined},
and @id{what};
}

@item{@Char{t}| fills in the field @id{istailcall};
}

@item{@Char{u}| fills in the fields
@id{nups}, @id{nparams}, and @id{isvararg};
}

@item{@Char{L}|
pushes onto the stack a table whose indices are
the lines on the function with some associated code,
that is, the lines where you can put a break point.
(Lines with no code include empty lines and comments.)
If this option is given together with option @Char{f},
its table is pushed after the function.
This is the only option that can raise a memory error.
}

}

This function returns 0 to signal an invalid option in @id{what};

even then the valid options are handled correctly.

}

@APIEntry{const char *lua_getlocal (lua_State *L, const lua_Debug *ar, int n);|
@apii{0,0|1,-}

Gets information about a local variable or a temporary value
of a given activation record or a given function.

In the first case,
the parameter @id{ar} must be a valid activation record that was
filled by a previous call to @Lid{lua_getstack} or
given
as argument to a hook @seeC{lua_Hook}.
The index @id{n} selects which local variable to inspect;
see @Lid{debug.getlocal} for details about variable indices
and names.

@Lid{lua_getlocal} pushes the variable's value onto the stack
and returns its name.

In the second case, @id{ar} must be @id{NULL} and the function
to be inspected must be on the top of the stack.
In this case, only parameters of Lua functions are visible
(as there is no information about what variables are active)
and no values are pushed onto the stack.

Returns @id{NULL} (and pushes nothing)
when the index is greater than
the number of active local variables.

}

@APIEntry{int lua_getstack (lua_State *L, int level, lua_Debug *ar);|
@apii{0,0,-}

Gets information about the interpreter runtime stack.

This function fills parts of a @Lid{lua_Debug} structure with
an identification of the @emph{activation record}
of the function executing at a given level.
@N{Level 0} is the current running function,
whereas level
@M{n+1} is the function that has called level @M{n}
(except for tail calls, which do not count in the stack).
When called with a level greater than the stack depth,
@Lid{lua_getstack} returns 0;

otherwise it returns 1.

}

@APIEntry{const char *lua_getupvalue (lua_State *L, int funcindex, int n);|
@apii{0,0|1,-}

Gets information about the @id{n}-th upvalue
of the closure at index @id{funcindex}.
It pushes the upvalue's value onto the stack
and returns its name.
Returns @id{NULL} (and pushes nothing)
when the index @id{n} is greater than the number of upvalues.

See @Lid{debug.getupvalue} for more information about upvalues.

}

@APIEntry{typedef void (*lua_Hook) (lua_State *L, lua_Debug *ar);|

Type for debugging hook functions.

Whenever a hook is called, its @id{ar} argument has its field
@id{event} set to the specific event that triggered the hook.
Lua identifies these events with the following constants:
@defid{LUA_HOOKCALL}, @defid{LUA_HOOKRET},
@defid{LUA_HOOKTAILCALL}, @defid{LUA_HOOKLINE},
and
@defid{LUA_HOOKCOUNT}.
Moreover, for line events, the field @id{currentline} is also set.
To get the value of any other field in @id{ar},
the hook must call @Lid{lua_getinfo}.

For call events, @id{event} can be @id{LUA_HOOKCALL},
the normal value, or @id{LUA_HOOKTAILCALL}, for a tail call;
in this case, there will be no corresponding return event.

While Lua is running a hook, it disables other calls to hooks.
Therefore, if a hook calls back Lua to execute a function or a chunk,
this execution occurs without any calls to hooks.

Hook functions cannot have continuations,
that is, they cannot call @Lid{lua_yieldk},
@Lid{lua_pcallk}, or @Lid{lua_callk} with a non-null @id{k}.

Hook functions can yield under the following conditions:
Only count and line events can yield;
to yield, a hook function must finish its execution

calling @Lid{lua_yield} with @id{nresults} equal to zero
(that is, with no values).

}

@APIEntry{void lua_sethook (lua_State *L, lua_Hook f, int mask,
 int count);|
@apii{0,0,-}

Sets the debugging hook function.

Argument @id{f} is the hook function.
@id{mask} specifies on which events the hook will be called:
it is formed by a bitwise OR of the constants
@defid{LUA_MASKCALL},
@defid{LUA_MASKRET},
@defid{LUA_MASKLINE},
and @defid{LUA_MASKCOUNT}.
The @id{count} argument is only meaningful when the mask
includes @id{LUA_MASKCOUNT}.
For each event, the hook is called as explained below:
@description{

@item{The call hook| is called when the interpreter calls a function.
The hook is called just after Lua enters the new function.
}

@item{The return hook| is called when the interpreter returns from a function.
The hook is called just before Lua leaves the function.
}

@item{The line hook| is called when the interpreter is about to
start the execution of a new line of code,
or when it jumps back in the code (even to the same line).
This event only happens while Lua is executing a Lua function.
}

@item{The count hook| is called after the
 interpreter executes every
@T{count} instructions.
This event only happens while Lua is executing a Lua function.
}

}

Hooks are disabled by setting @id{mask} to zero.

}

@APIEntry{const char *lua_setlocal (lua_State *L, const lua_Debug *ar, int n);|
@apii{0|1,0,-}

Sets the value of a local variable of a given activation record.
It assigns the value on the top of the stack
to the variable and returns its name.
It also pops the value from the stack.

Returns @id{NULL} (and pops nothing)
when the index is greater than
the number of active local variables.

Parameters @id{ar} and @id{n} are as in the function @Lid{lua_getlocal}.

}

@APIEntry{const char *lua_setupvalue (lua_State *L, int funcindex, int n);|
@apii{0|1,0,-}

Sets the value of a closure's upvalue.
It assigns the value on the top of the stack
to the upvalue and returns its name.
It also pops the value from the stack.

Returns @id{NULL} (and pops nothing)
when the index @id{n} is greater than the number of upvalues.

Parameters
@id{funcindex} and @id{n} are as in
the function @Lid{lua_getupvalue}.

}

@APIEntry{void *lua_upvalueid (lua_State *L, int funcindex, int n);|
@apii{0,0,-}

Returns a unique identifier for the upvalue numbered @id{n}
from the closure at index @id{funcindex}.

These unique identifiers allow a program to check whether different
closures share upvalues.
Lua closures that share an upvalue
(that is, that access a same external local variable)
will return identical ids for those upvalue indices.

Parameters @id{funcindex} and @id{n} are as in
the function @Lid{lua_getupvalue},

but @id{n} cannot be greater than the number of upvalues.

}

@APIEntry{
void lua_upvaluejoin (lua_State *L, int funcindex1, int n1,
                      int funcindex2, int n2);|
@apii{0,0,-}

Make the @id{n1}-th upvalue of the Lua closure at index @id{funcindex1}
refer to the @id{n2}-th upvalue of the Lua closure at index @id{funcindex2}.

}

}

}

@C{---}
@sect1{auxlib|@title{The
 Auxiliary Library}

@simplesect{

@index{lauxlib.h}
The @def{auxiliary library} provides several convenient functions
to interface C with Lua.
While the basic API provides the primitive functions for all
interactions between C and Lua,
the auxiliary library provides higher-level functions for some
common tasks.

All functions and types from the auxiliary library
are defined in header file @id{lauxlib.h} and
have a prefix @id{luaL_}.

All functions in the auxiliary library are built on
top of the basic API,
and so they provide nothing that cannot be done with that API.
Nevertheless, the use of the auxiliary library ensures
more consistency to your code.

Several functions in the auxiliary library use internally some
extra stack slots.
When a function in the auxiliary library uses less than five slots,
it does not check the stack size;

it simply assumes that there are enough slots.

Several functions in the auxiliary library are used
to
check @N{C function} arguments.
Because the error message is formatted for arguments
(e.g., @St{bad argument #1}),
you should not use these functions for other stack values.

Functions called @id{luaL_check*}
always raise an error if the check is not satisfied.

}

@sect2{@title{Functions and Types}

Here we list all functions and types from the auxiliary library
in alphabetical order.

@APIEntry{void luaL_addchar (luaL_Buffer *B, char c);|
@apii{?,?,m}

Adds the byte @id{c} to the buffer @id{B}
@seeC{luaL_Buffer}.

}

@APIEntry{
const void luaL_addgsub (luaL_Buffer *B, const char *s,
                         const char *p, const char *r);|
@apii{?,?,m}

Adds a copy of the string @id{s} to the buffer @id{B} @seeC{luaL_Buffer},
replacing any occurrence of the string @id{p}
with the string @id{r}.

}

@APIEntry{void luaL_addlstring (luaL_Buffer *B, const char *s, size_t l);|
@apii{?,?,m}

Adds the string pointed to by @id{s} with length @id{l} to
the buffer @id{B}
@seeC{luaL_Buffer}.
The

string can contain @x{embedded zeros}.

}

@APIEntry{void luaL_addsize (luaL_Buffer *B, size_t n);|
@apii{?,?,-}

Adds to the buffer @id{B}
a string of length @id{n} previously copied to the
buffer area @seeC{luaL_prepbuffer}.

}

@APIEntry{void luaL_addstring (luaL_Buffer *B, const char *s);|
@apii{?,?,m}

Adds the zero-terminated string pointed to by @id{s}
to the buffer @id{B}
@seeC{luaL_Buffer}.

}

@APIEntry{void luaL_addvalue (luaL_Buffer *B);|
@apii{?,?,m}

Adds the value on the top of the stack
to the buffer @id{B}
@seeC{luaL_Buffer}.
Pops the value.

This is the only function on string buffers that can (and must)
be called with an extra element on the stack,
which is the value to be added to the buffer.

}

@APIEntry{
void luaL_argcheck (lua_State *L,
        int cond,
        int arg,
        const char *extramsg);|
@apii{0,0,v}

Checks whether @id{cond} is true.
If it is not, raises an error with a standard message @seeF{luaL_argerror}.

}

@APIEntry{int
 luaL_argerror (lua_State *L, int arg, const char *extramsg);|
@apii{0,0,v}

Raises an error reporting a problem with argument @id{arg}
of the @N{C function} that called it,
using a standard message
that includes @id{extramsg} as a comment:
@verbatim{
bad argument #@rep{arg} to '@rep{funcname}' (@rep{extramsg})
}
This function never returns.

}

@APIEntry{
void luaL_argexpected (lua_State *L,
                       int cond,
                       int arg,
                       const char *tname);|
@apii{0,0,v}

Checks whether @id{cond} is true.
If it is not, raises an error about the type of the argument @id{arg}
with a standard message @seeF{luaL_typeerror}.

}

@APIEntry{typedef struct luaL_Buffer luaL_Buffer;|

Type for a @def{string buffer}.

A string buffer allows @N{C code} to build Lua strings piecemeal.
Its pattern of use is as follows:
@itemize{

@item{First declare a variable @id{b} of type @Lid{luaL_Buffer}.}

@item{Then initialize it with a call @T{luaL_buffinit(L,
 &b)}.}

@item{
Then add string pieces to the buffer calling any of
the @id{luaL_add*} functions.
}

@item{
Finish by calling @T{luaL_pushresult(&b)}.

This call leaves the final string on the top of the stack.
}

}

If you know beforehand the maximum size of the resulting string,
you can use the buffer like this:
@itemize{

@item{First declare a variable @id{b} of type @Lid{luaL_Buffer}.}

@item{Then initialize it and preallocate a space of
size @id{sz} with a call @T{luaL_buffinitsize(L, &b, sz)}.}

@item{Then produce the string into that space.}

@item{
Finish by calling @T{luaL_pushresultsize(&b, sz)},
where @id{sz} is the total size of the resulting string
copied into that space (which may be less than or
equal to the preallocated size).
}

}

During its normal operation,
a string buffer uses a variable number of stack slots.
So, while using a buffer, you cannot assume that you know where
the top of the stack is.
You can use the stack between successive calls to buffer
operations
as long as that use is balanced;
that is,
when you call a buffer operation,
the stack is at the same level
it was immediately after the previous buffer operation.
(The only exception to this rule is @Lid{luaL_addvalue}.)
After calling @Lid{luaL_pushresult},
the stack is back to its level when the buffer was initialized,
plus the final string on its top.

}

@APIEntry{char *luaL_buffaddr (luaL_Buffer *B);|
@apii{0,0,-}

Returns the address of the current content of buffer @id{B}
@seeC{luaL_Buffer}.

Note that any addition to the buffer may invalidate this address.

}

@APIEntry{void luaL_buffinit (lua_State *L, luaL_Buffer *B);|
@apii{0,?,-}

Initializes a buffer @id{B}
@seeC{luaL_Buffer}.
This function does not allocate any space;
the buffer must be declared as a variable.

}

@APIEntry{size_t luaL_bufflen (luaL_Buffer *B);|
@apii{0,0,-}

Returns the length of the current content of buffer @id{B}
@seeC{luaL_Buffer}.

}

@APIEntry{char *luaL_buffinitsize (lua_State *L, luaL_Buffer
 *B, size_t sz);|
@apii{?,?,m}

Equivalent to the sequence
@Lid{luaL_buffinit}, @Lid{luaL_prepbuffsize}.

}

@APIEntry{void luaL_buffsub (luaL_Buffer *B, int n);|
@apii{?,?,-}

Removes @id{n} bytes from the buffer @id{B}
@seeC{luaL_Buffer}.
The buffer must have at least that many bytes.

}

@APIEntry{int luaL_callmeta (lua_State *L, int obj, const char *e);|
@apii{0,0|1,e}

Calls a metamethod.

If the object at index @id{obj} has a metatable and this
metatable has a field @id{e},
this function calls this field passing the object as its only argument.

In this case this function returns true and pushes onto the
stack the value returned by the call.
If there is no metatable or no metamethod,
this function returns false without pushing any value on the stack.

}

@APIEntry{void luaL_checkany (lua_State *L, int arg);|
@apii{0,0,v}

Checks whether the function has an argument
of any type (including @nil) at position @id{arg}.

}

@APIEntry{lua_Integer luaL_checkinteger (lua_State *L,
 int arg);|
@apii{0,0,v}

Checks whether the function argument @id{arg} is an integer
(or can be converted to an integer)
and returns this integer.

}

@APIEntry{const char *luaL_checklstring (lua_State *L, int arg, size_t *l);|
@apii{0,0,v}

Checks whether the function argument @id{arg} is a string
and returns this string;
if @id{l} is not @id{NULL} fills its referent
with the string's length.

This function uses @Lid{lua_tolstring} to get its result,
so all conversions and caveats of that function apply here.

}

@APIEntry{lua_Number luaL_checknumber (lua_State *L, int arg);|
@apii{0,0,v}

Checks whether the function argument @id{arg} is a number
and returns this number converted to a @id{lua_Number}.

}

@APIEntry{
int luaL_checkoption (lua_State *L,

```
                int arg,
                const char *def,
                const char *const lst[]);|
@apii{0,0,v}
```

Checks whether the function argument @id{arg} is a string and
searches for this string in the array @id{lst}
(which
must be NULL-terminated).
Returns the index in the array where the string was found.
Raises an error if the argument is not a string or
if the string cannot be found.

If @id{def} is not @id{NULL},
the function uses @id{def} as a default value when
there is no argument @id{arg} or when this argument is @nil.

This is a useful function for mapping strings to @N{C enums}.
(The usual convention in Lua libraries is
to use strings instead of numbers to select options.)

}

```
@APIEntry{void luaL_checkstack (lua_State *L, int sz, const char *msg);|
@apii{0,0,v}
```

Grows the stack size to @T{top + sz} elements,
raising an error if the stack cannot grow to that size.
@id{msg} is an additional text to go into the error message
(or @id{NULL} for no additional text).

}

```
@APIEntry{const char *luaL_checkstring (lua_State *L, int arg);|
@apii{0,0,v}
```

Checks whether the function argument @id{arg} is a string
and returns this string.

This function uses @Lid{lua_tolstring} to get its result,
so
all conversions and caveats of that function apply here.

}

```
@APIEntry{void luaL_checktype (lua_State *L, int arg, int t);|
@apii{0,0,v}
```

Checks whether the function argument @id{arg} has type @id{t}.
See @Lid{lua_type} for the encoding of types for @id{t}.

}

@APIEntry{void *luaL_checkudata (lua_State *L, int arg, const char *tname);|
@apii{0,0,v}

Checks whether the function argument @id{arg} is a userdata
of the type @id{tname} @seeC{luaL_newmetatable} and
returns the userdata's memory-block address @seeC{lua_touserdata}.

}

@APIEntry{void luaL_checkversion (lua_State *L);|
@apii{0,0,v}

Checks whether the code making the call and the Lua library being called
are using the same version of Lua and the same numeric types.

}

@APIEntry{int luaL_dofile (lua_State *L, const char *filename);|
@apii{0,?,m}

Loads and runs the given file.
It is defined as the following macro:
@verbatim{
(luaL_loadfile(L, filename) || lua_pcall(L, 0, LUA_MULTRET, 0))
}
It @N{returns 0} (@Lid{LUA_OK})
 if there are no errors,
or 1 in case of errors.

}

@APIEntry{int luaL_dostring (lua_State *L, const char *str);|
@apii{0,?,-}

Loads and runs the given string.
It is defined as the following macro:
@verbatim{
(luaL_loadstring(L, str) || lua_pcall(L, 0, LUA_MULTRET, 0))
}
It @N{returns 0} (@Lid{LUA_OK}) if there are no errors,
or 1 in case of errors.

}

@APIEntry{int luaL_error (lua_State *L, const char *fmt, ...);|
@apii{0,0,v}

Raises an error.
The error message format is given by @id{fmt}
plus any extra arguments,
following the same rules of @Lid{lua_pushfstring}.
It also adds at the beginning of the message the file name and
the line number where the error occurred,
if this information is available.

This function never returns,
but it is an idiom to use it in @N{C functions}
as @T{return luaL_error(@rep{args})}.

}

@APIEntry{int luaL_execresult (lua_State *L, int stat);|
@apii{0,3,m}

This function produces the return values for
process-related functions in the standard library
(@Lid{os.execute}
 and @Lid{io.close}).

}

@APIEntry{
int luaL_fileresult (lua_State *L, int stat, const char *fname);|
@apii{0,1|3,m}

This function produces the return values for
file-related functions in the standard library
(@Lid{io.open}, @Lid{os.rename}, @Lid{file:seek}, etc.).

}

@APIEntry{int luaL_getmetafield (lua_State *L, int obj, const char *e);|
@apii{0,0|1,m}

Pushes onto the stack the field @id{e} from the metatable
of the object at index @id{obj} and returns the type of the pushed value.
If the object does not have a metatable,
or if the metatable does not have this field,
pushes nothing and returns @id{LUA_TNIL}.

}

@APIEntry{int luaL_getmetatable (lua_State *L, const char *tname);|
@apii{0,1,m}

Pushes onto the stack the metatable associated with the name @id{tname}
in the registry @seeC{luaL_newmetatable},
or @nil if there is no metatable associated with that name.
Returns the type of the pushed value.

}

@APIEntry{int luaL_getsubtable (lua_State *L, int idx, const
 char *fname);|
@apii{0,1,e}

Ensures that the value @T{t[fname]},
where @id{t} is the value at index @id{idx},
is a table,
and pushes that table onto the stack.
Returns true if it finds a previous table there
and false if it creates a new table.

}

@APIEntry{
const char *luaL_gsub (lua_State *L,
                       const char *s,
                       const char *p,
                       const char *r);|
@apii{0,1,m}

Creates a copy of string @id{s},
replacing any occurrence of the string @id{p}
with the string @id{r}.
Pushes the resulting string on the stack and returns it.

}

@APIEntry{lua_Integer luaL_len (lua_State *L, int index);|
@apii{0,0,e}

Returns the @Q{length} of the value at the given index
as a number;
it is equivalent to the @Char{#} operator in Lua @see{len-op}.
Raises an error if the result of the operation is not an integer.
(This case can only happen through metamethods.)

}

@APIEntry{
int luaL_loadbuffer (lua_State *L,
                const char *buff,
                 size_t sz,
                const char *name);|
@apii{0,1,-}

Equivalent to @Lid{luaL_loadbufferx} with @id{mode} equal to @id{NULL}.

}

@APIEntry{
int luaL_loadbufferx (lua_State *L,
                 const char *buff,
                 size_t sz,
                 const char *name,
                 const char *mode);|
@apii{0,1,-}

Loads a buffer as a Lua chunk.
This function uses @Lid{lua_load} to load the chunk in the
buffer pointed to by @id{buff} with size @id{sz}.

This function returns the same results as @Lid{lua_load}.
@id{name} is the chunk name,
used for debug information and error messages.
The string @id{mode} works as in the function @Lid{lua_load}.

}

@APIEntry{int luaL_loadfile (lua_State *L, const char *filename);|
@apii{0,1,m}

Equivalent to @Lid{luaL_loadfilex} with @id{mode} equal to @id{NULL}.

}

@APIEntry{int luaL_loadfilex (lua_State *L, const char *filename,
                              const char
 *mode);|
@apii{0,1,m}

Loads a file as a Lua chunk.
This function uses @Lid{lua_load} to load the chunk in the file
named @id{filename}.

If @id{filename} is @id{NULL},
then it loads from the standard input.
The first line in the file is ignored if it starts with a @T{#}.

The string @id{mode} works as in the function @Lid{lua_load}.

This function returns the same results as @Lid{lua_load}
or @Lid{LUA_ERRFILE} for file-related errors.

As @Lid{lua_load}, this function only loads the chunk;
it does not run it.

}

@APIEntry{int luaL_loadstring (lua_State *L, const char *s);|
@apii{0,1,-}

Loads a string as a Lua chunk.
This function uses @Lid{lua_load} to load the chunk in
the zero-terminated string @id{s}.

This function returns the same results as @Lid{lua_load}.

Also as @Lid{lua_load}, this function only loads the chunk;
it does not run it.

}

@APIEntry{void luaL_newlib (lua_State *L, const luaL_Reg l[]);|
@apii{0,1,m}

Creates a new table and registers there
the functions in the
list @id{l}.

It is implemented as the following macro:
@verbatim{
(luaL_newlibtable(L,l), luaL_setfuncs(L,l,0))
}
The array @id{l} must be the actual array,
not a pointer to it.

}

@APIEntry{void luaL_newlibtable (lua_State *L, const luaL_Reg l[]);|
@apii{0,1,m}

Creates a new table with a size optimized
to store all entries in the array @id{l}
(but does not actually store them).
It is intended to be used in conjunction with @Lid{luaL_setfuncs}
@seeF{luaL_newlib}.

It is implemented as a macro.
The array @id{l} must be the actual array,
not a pointer to it.

}

@APIEntry{int luaL_newmetatable (lua_State *L, const char *tname);|
@apii{0,1,m}

If the registry already has the key @id{tname},
returns 0.
Otherwise,
creates a new table to be used as a metatable for userdata,
adds to this new table the pair @T{__name = tname},
adds to the registry the pair @T{[tname] = new table},
and returns 1.

In both cases,
the function pushes onto the stack the final value associated
with @id{tname} in
the registry.

}

@APIEntry{lua_State *luaL_newstate (void);|
@apii{0,0,-}

Creates a new Lua state.
It calls @Lid{lua_newstate} with an
allocator based on the @N{ISO C} allocation functions
and then sets a warning function and a panic function @see{C-error}
that print messages to the standard error output.

Returns the new state,
or @id{NULL} if there is a @x{memory allocation error}.

}

@APIEntry{void luaL_openlibs (lua_State *L);|
@apii{0,0,e}

Opens all standard Lua libraries into the given state.

}

@APIEntry{
T luaL_opt (L, func, arg, dflt);|
@apii{0,0,-}

This macro is defined as follows:
@verbatim{
(lua_isnoneornil(L,(arg)) ? (dflt) : func(L,(arg)))
}
In words, if the argument @id{arg} is nil or absent,
the macro results in the default @id{dflt}.
Otherwise, it results in the result of calling @id{func}
with the state @id{L} and the argument index @id{arg} as
arguments.
Note that it evaluates the expression @id{dflt} only if needed.

}

@APIEntry{
lua_Integer luaL_optinteger
 (lua_State *L,
                  int arg,
                  lua_Integer d);|
@apii{0,0,v}

If the function argument @id{arg} is an integer
(or it is convertible to an integer),
returns this integer.
If this argument is absent or is @nil,
returns @id{d}.
Otherwise, raises an error.

}

@APIEntry{
const char *luaL_optlstring (lua_State *L,
                  int arg,
                  const char *d,
                  size_t *l);|
@apii{0,0,v}

If the function argument @id{arg} is a string,
returns this string.
If this argument is absent or is @nil,
returns @id{d}.
Otherwise, raises an error.

If @id{l} is not @id{NULL},
fills its referent with the result's length.
If the result is @id{NULL}
(only possible when returning @id{d} and @T{d == NULL}),
its length is considered zero.

This function uses @Lid{lua_tolstring} to get its result,
so all conversions and caveats of that function apply here.

}

@APIEntry{lua_Number luaL_optnumber
 (lua_State *L, int arg, lua_Number d);|
@apii{0,0,v}

If the function argument @id{arg} is a number,
returns this number as a @id{lua_Number}.
If this argument is absent or is @nil,
returns @id{d}.
Otherwise, raises an error.

}

@APIEntry{
const char *luaL_optstring (lua_State *L,
                            int arg,
                            const char *d);|
@apii{0,0,v}

If the function argument @id{arg} is a string,
returns this string.
If this argument is absent or is @nil,
returns @id{d}.
Otherwise, raises an error.

}

@APIEntry{char *luaL_prepbuffer (luaL_Buffer *B);|
@apii{?,?,m}

Equivalent to @Lid{luaL_prepbuffsize}
with the predefined size @defid{LUAL_BUFFERSIZE}.

}

@APIEntry{char *luaL_prepbuffsize (luaL_Buffer *B, size_t sz);|
@apii{?,?,m}

Returns an address to a space of size @id{sz}
where you can copy a string to be added to buffer @id{B}
@seeC{luaL_Buffer}.
After copying the string into this space you must call
@Lid{luaL_addsize} with the size of the string to actually
add
it to the buffer.

}

@APIEntry{void luaL_pushfail (lua_State *L);|
@apii{0,1,-}

Pushes the @fail value onto the stack @see{libraries}.

}

@APIEntry{void luaL_pushresult (luaL_Buffer *B);|
@apii{?,1,m}

Finishes the use of buffer @id{B} leaving the final string on
the top of the stack.

}

@APIEntry{void luaL_pushresultsize (luaL_Buffer *B, size_t sz);|
@apii{?,1,m}

Equivalent to the sequence @Lid{luaL_addsize}, @Lid{luaL_pushresult}.

}

@APIEntry{int luaL_ref (lua_State *L, int t);|
@apii{1,0,m}

Creates and returns a @def{reference},
in the table at index @id{t},
for the object on the top of the stack (and pops the object).

A reference is a unique integer key.
As long as you do not manually add integer keys into the table @id{t},
@Lid{luaL_ref} ensures the uniqueness of the key it returns.
You can retrieve an object referred by the reference @id{r}
by calling @T{lua_rawgeti(L, t, r)}.
The function @Lid{luaL_unref} frees a reference.

If the object on the top of the stack

is @nil,
@Lid{luaL_ref} returns the constant @defid{LUA_REFNIL}.
The constant @defid{LUA_NOREF} is guaranteed to be different
from any reference returned by @Lid{luaL_ref}.

}

@APIEntry{
typedef struct luaL_Reg {
 const char *name;
 lua_CFunction func;
} luaL_Reg;
|

Type for arrays of functions to be registered by
@Lid{luaL_setfuncs}.
@id{name} is the function name and @id{func} is a pointer to
the function.
Any array of @Lid{luaL_Reg} must end with a sentinel entry
in which both @id{name} and @id{func} are @id{NULL}.

}

@APIEntry{
void luaL_requiref (lua_State *L, const char *modname,
                    lua_CFunction openf, int glb);|
@apii{0,1,e}

If @T{package.loaded[modname]} is not true,
calls the function @id{openf} with the string @id{modname} as an argument
and sets the call result to @T{package.loaded[modname]},
as if that function has been called through @Lid{require}.

If @id{glb} is true,
also stores the module into the global @id{modname}.

Leaves a copy of the module
 on the stack.

}

@APIEntry{void luaL_setfuncs (lua_State *L, const luaL_Reg *l, int nup);|
@apii{nup,0,m}

Registers all functions in the array @id{l}
@seeC{luaL_Reg} into the table on the top of the stack
(below optional upvalues, see next).

When @id{nup} is not zero,
all functions are created with @id{nup} upvalues,
initialized with copies of the @id{nup} values
previously pushed on the stack
on top of the library table.
These values are popped from the stack after the registration.

A function with a @id{NULL} value represents a placeholder,
which is filled with @false.

}

@APIEntry{void luaL_setmetatable (lua_State *L, const char *tname);|
@apii{0,0,-}

Sets the metatable of the object on the top of the stack
as the metatable associated with name @id{tname}
in the registry @seeC{luaL_newmetatable}.

}

@APIEntry{
typedef struct luaL_Stream {
 FILE *f;
 lua_CFunction closef;
} luaL_Stream;
|

The standard representation for @x{file handles}
used by the standard I/O library.

A
 file handle is implemented as a full userdata,
with a metatable called @id{LUA_FILEHANDLE}
(where @id{LUA_FILEHANDLE} is a macro with the actual metatable's name).
The metatable is created by the I/O library
@seeF{luaL_newmetatable}.

This userdata must start with the structure @id{luaL_Stream};
it can contain other data after this initial structure.
The field @id{f} points to the corresponding C stream
(or it can be @id{NULL} to indicate an incompletely created handle).
The field @id{closef} points to a Lua function
that will be called to close the stream
when the handle is closed or collected;
this function receives the file handle as its sole argument and
must return either a true value, in case of success,
or a false value plus an error message, in case of error.

Once Lua calls this field,
it changes the field value to @id{NULL}
to signal that the handle is closed.

}

@APIEntry{void *luaL_testudata (lua_State *L, int arg, const char *tname);|
@apii{0,0,m}

This function works
like @Lid{luaL_checkudata},
except that, when the test fails,
it returns @id{NULL} instead of raising an error.

}

@APIEntry{const char *luaL_tolstring (lua_State *L, int idx, size_t *len);|
@apii{0,1,e}

Converts any Lua value at the given index to a @N{C string}
in a reasonable format.
The resulting string is pushed onto the stack and also
returned by the function @see{constchar}.
If @id{len} is not @id{NULL},
the function also sets @T{*len} with the string length.

If the value has a metatable with a @idx{__tostring} field,
then @id{luaL_tolstring} calls the corresponding metamethod
with the value as argument,
and uses the result of the call as its result.

}

@APIEntry{
void luaL_traceback (lua_State *L, lua_State *L1, const char *msg,
                     int level);|
@apii{0,1,m}

Creates and pushes a traceback of the stack @id{L1}.
If @id{msg} is not @id{NULL}, it is appended
at the beginning of the traceback.
The @id{level} parameter tells at which level
to start the traceback.

}

@APIEntry{int

luaL_typeerror (lua_State *L, int arg, const char *tname);|
@apii{0,0,v}

Raises a type error for the argument @id{arg}
of the @N{C function} that called it,
using a standard message;
@id{tname} is a @Q{name} for the expected type.
This function never returns.

}

@APIEntry{const char *luaL_typename (lua_State *L, int index);|
@apii{0,0,-}

Returns the name of the type of the value at the given index.

}

@APIEntry{void luaL_unref (lua_State *L, int t, int ref);|
@apii{0,0,-}

Releases the reference @id{ref} from the table at index @id{t}
@seeC{luaL_ref}.
The entry is removed from the table,
so that the referred object can be collected.
The reference @id{ref} is also freed to be used again.

If @id{ref} is @Lid{LUA_NOREF} or @Lid{LUA_REFNIL},
@Lid{luaL_unref} does nothing.

}

@APIEntry{void luaL_where (lua_State *L, int lvl);|
@apii{0,1,m}

Pushes onto the stack a string identifying the current position
of the control at level @id{lvl} in the call stack.
Typically
this string has the following format:
@verbatim{
@rep{chunkname}:@rep{currentline}:
}
@N{Level 0} is the running function,
@N{level 1} is the function that called the running function,
etc.

This function is used to build a prefix for error messages.

```
}

}

}


@C{-----------------------------------------------------------------------}
@sect1{libraries| @title{The Standard Libraries}

@simplesect{

The standard Lua libraries provide useful functions
that are implemented @N{in C} through the @N{C API}.
Some of these functions provide essential services to the language
(e.g., @Lid{type} and @Lid{getmetatable});
others provide access to outside services (e.g., I/O);
and others could be implemented in Lua itself,
but that for different reasons
deserve an implementation in C (e.g., @Lid{table.sort}).

All libraries are implemented through the official @N{C API}
and are provided as separate @N{C modules}.
Unless otherwise noted,
these library functions do not adjust its number of arguments
to
 its expected parameters.
For instance, a function documented as @T{foo(arg)}
should not be called without an argument.

The notation @fail means a false value representing
some kind of failure.
(Currently, @fail is equal to @nil,
but that may change in future versions.
The recommendation is to always test the success of these functions
with @T{(not status)}, instead of @T{(status == nil)}.)


Currently, Lua has the following standard libraries:
@itemize{

@item{@link{predefined|basic library};}

@item{@link{corolib|coroutine library};}

@item{@link{packlib|package library};}

@item{@link{strlib|string manipulation};}
```

@item{@link{utf8|basic UTF-8 support};}

@item{@link{tablib|table manipulation};}

@item{@link{mathlib|mathematical functions} (sin, log, etc.);}

@item{@link{iolib|input and output};}

@item{@link{oslib|operating system facilities};}

@item{@link{debuglib|debug facilities}.}

}
Except for the basic and the package libraries,
each library provides all its functions as
 fields of a global table
or as methods of its objects.

To have access to these libraries,
the @N{C host} program should call the @Lid{luaL_openlibs} function,
which opens all standard libraries.
Alternatively,
the host program can open them individually by using
@Lid{luaL_requiref} to call
@defid{luaopen_base} (for the basic library),
@defid{luaopen_package} (for the package library),
@defid{luaopen_coroutine} (for the coroutine library),
@defid{luaopen_string} (for the string library),
@defid{luaopen_utf8} (for the UTF-8 library),
@defid{luaopen_table} (for the table library),
@defid{luaopen_math} (for the mathematical library),
@defid{luaopen_io} (for the I/O library),
@defid{luaopen_os} (for the operating system library),
and @defid{luaopen_debug} (for the debug library).
These functions are declared in @defid{lualib.h}.

}

@sect2{predefined| @title{Basic Functions}

The basic library provides core functions to Lua.
If you do not include this library in your application,
you should
 check carefully whether you need to provide
implementations for some of its facilities.

@LibEntry{assert (v [, message])|

Raises an error if
the value of its argument @id{v} is false (i.e., @nil or @false);
otherwise, returns all its arguments.
In case of error,
@id{message} is the error object;
when absent, it defaults to @St{assertion failed!}

}

@LibEntry{collectgarbage ([opt [, arg]])|

This function is a generic interface to the garbage collector.
It performs different functions according to its first argument, @id{opt}:
@description{

@item{@St{collect}|
Performs a full garbage-collection cycle.
This is the default option.
}

@item{@St{stop}|
Stops automatic execution of the garbage collector.
The collector will run only when explicitly invoked,
until a call to restart it.
}

@item{@St{restart}|
Restarts automatic execution of the garbage collector.
}

@item{@St{count}|
Returns the total memory in use by Lua in Kbytes.
The value has a fractional part,
so that it multiplied
by 1024
gives the exact number of bytes in use by Lua.
}

@item{@St{step}|
Performs a garbage-collection step.
The step @Q{size} is controlled by @id{arg}.
With a zero value,
the collector will perform one basic (indivisible) step.
For non-zero values,
the collector will perform as if that amount of memory

(in Kbytes) had been allocated by Lua.
Returns @true if the step finished a collection cycle.
}

@item{@St{isrunning}|
Returns a boolean that tells whether the collector is running
(i.e., not stopped).
}

@item{@St{incremental}|
Change the collector mode to incremental.
This option can be followed by three numbers:
the garbage-collector pause,
the step multiplier,
and the step size @see{incmode}.
A zero means to not change that value.
}

@item{@St{generational}|
Change the collector mode to generational.
This option can be followed by two numbers:
the garbage-collector minor multiplier
and the major multiplier @see{genmode}.
A zero means to not change that value.
}

}
See @See{GC}
for more details about garbage collection
and some of these options.

This function should not be called by a finalizer.

}

@LibEntry{dofile ([filename])|
Opens the named file and executes its content as a Lua chunk.
When called without arguments,
@id{dofile} executes the content of the standard input (@id{stdin}).
Returns all values returned by the chunk.
In case of errors, @id{dofile} propagates the error
to its caller.
(That is, @id{dofile} does not run in protected mode.)

}

@LibEntry{error (message [, level])|
Raises an error @see{error} with @id{message} as the error object.

This function never returns.

Usually, @id{error} adds some information about the error position
at the beginning of the message, if the message is a string.
The @id{level} argument specifies how to get the error position.
With @N{level 1} (the default), the error position is where the
@id{error} function was called.
@N{Level 2} points the error to where the function
that called @id{error} was called; and
so on.
Passing a @N{level 0} avoids the addition of error position information
to the message.

}

@LibEntry{_G|
A global variable (not a function) that
holds the @x{global environment} @see{globalenv}.
Lua itself does not use this variable;
changing its value does not affect any environment,
nor vice versa.

}

@LibEntry{getmetatable (object)|

If @id{object} does not have a metatable, returns @nil.
Otherwise,
if the object's metatable has a @idx{__metatable} field,
returns the associated value.
Otherwise, returns the metatable of the given object.

}

@LibEntry{ipairs (t)|

Returns three values (an iterator function, the table @id{t}, and 0)
so that the construction
@verbatim{
for i,v in ipairs(t) do @rep{body} end
}
will iterate over the key@En{}value pairs
(@T{1,t[1]}), (@T{2,t[2]}), @ldots,
up to the first absent index.

}

@LibEntry{load (chunk [, chunkname [, mode [, env]]])|

Loads a chunk.

If @id{chunk} is a string, the chunk is this string.
If @id{chunk} is a function,
@id{load}
calls it repeatedly to get the chunk pieces.
Each call to @id{chunk} must return a string that concatenates
with previous results.
A return of an empty string, @nil, or no value signals the end of the chunk.

If there are no syntactic errors,
@id{load} returns the compiled chunk as a function;
otherwise, it returns @fail plus the error message.

When you load a main chunk,
the resulting function will always have exactly one upvalue,
the @id{_ENV} variable @see{globalenv}.
However,
when you load a binary chunk created from a function @seeF{string.dump},
the resulting function can have an arbitrary number of upvalues,
and there is no guarantee that its first upvalue will be
the @id{_ENV} variable.
(A non-main function may not even have an @id{_ENV} upvalue.)

Regardless, if the resulting function has any upvalues,
its first upvalue is set to the value of @id{env},
if that parameter is given,
or to the value of the @x{global environment}.
Other upvalues are initialized with @nil.
All
upvalues are fresh, that is,
they are not shared with any other function.

@id{chunkname} is used as the name of the chunk for error messages
and debug information @see{debugI}.
When absent,
it defaults to @id{chunk}, if @id{chunk} is a string,
or to @St{=(load)} otherwise.

The string @id{mode} controls whether the chunk can be text or binary
(that is, a precompiled chunk).
It may be the string @St{b} (only @x{binary chunk}s),
@St{t} (only text chunks),
or @St{bt} (both binary and text).
The default is @St{bt}.

It is safe to load malformed binary chunks;

@id{load} signals an appropriate error.
However,
Lua does not check the consistency of the code inside binary chunks;
running maliciously crafted bytecode can crash the interpreter.

}

@LibEntry{loadfile ([filename [, mode [, env]]])|

Similar to @Lid{load},
but gets the chunk from file @id{filename}
or from the standard input,
if no file name is given.

}

@LibEntry{next (table [, index])|

Allows a program to traverse all fields
of a table.
Its first argument is a table and its second argument
is an index in this table.
A call to @id{next} returns the next index of the table
and its associated value.
When called with @nil as its second argument,
@id{next} returns an initial index
and its associated value.
When called with the last index,
or with @nil in an empty table,
@id{next} returns @nil.
If the second argument is absent, then it is interpreted as @nil.
In particular,
you can use @T{next(t)} to check whether a table is empty.

The order in which the indices are enumerated is not specified,
@emph{even for numeric indices}.
(To traverse a table in numerical order,
use a numerical @Rw{for}.)

You should not assign any value to a non-existent field in a table
during its traversal.
You may however modify existing fields.
In particular, you may set existing fields to nil.

}

@LibEntry{pairs (t)|

If @id{t} has a metamethod @idx{__pairs},
calls it with @id{t} as argument and returns the first three
results from
the call.

Otherwise,
returns three values: the @Lid{next} function, the table @id{t}, and @nil,
so that the construction
@verbatim{
for k,v in pairs(t) do @rep{body} end
}
will iterate over all key@En{}value pairs of table @id{t}.

See function @Lid{next} for the caveats of modifying
the table during its traversal.

}

@LibEntry{pcall (f [, arg1, @Cdots])|

Calls the function @id{f} with
the given arguments in @emphx{protected mode}.
This means that any error @N{inside @T{f}} is not propagated;
instead, @id{pcall} catches the error
and returns a status code.
Its first result is the status code (a boolean),
which is @true if the call succeeds without errors.
In such case, @id{pcall} also returns all results from the call,
after this first result.
In case of any error, @id{pcall} returns @false plus the error object.
Note that errors caught by @id{pcall} do not call a message handler.

}

@LibEntry{print (@Cdots)|
Receives any number of arguments
and prints their values to @id{stdout},
converting
each argument to a string
following the same rules of @Lid{tostring}.

The function @id{print} is not intended for formatted output,
but only as a quick way to show a value,
for instance for debugging.
For complete control over the output,
use @Lid{string.format} and @Lid{io.write}.

}

@LibEntry{rawequal (v1, v2)|
Checks whether @id{v1} is equal to @id{v2},
without invoking the @idx{__eq} metamethod.
Returns a boolean.

}

@LibEntry{rawget (table, index)|
Gets the real value of @T{table[index]},
without using the @idx{__index} metavalue.
@id{table} must be a table;
@id{index} may be any value.

}

@LibEntry{rawlen (v)|
Returns the length of the object @id{v},
which must be a table or a string,
without invoking the @idx{__len} metamethod.
Returns an integer.

}

@LibEntry{rawset (table, index, value)|
Sets the real value of @T{table[index]} to @id{value},
without using the @idx{__newindex} metavalue.
@id{table} must be a table,
@id{index} any value different from @nil and @x{NaN},
and
@id{value} any Lua value.

This function returns @id{table}.

}

@LibEntry{select (index, @Cdots)|

If @id{index} is a number,
returns all arguments after argument number @id{index};
a negative number indexes from the end (@num{-1} is the last argument).
Otherwise, @id{index} must be the string @T{"#"},
and @id{select} returns the total number of extra arguments it received.

}

@LibEntry{setmetatable (table, metatable)|

Sets the metatable for the given table.
If @id{metatable} is @nil,
removes the metatable of the given table.
If the original metatable has a @idx{__metatable} field,
raises an error.

This function returns @id{table}.

To change the metatable of other types from Lua code,
you must use the @link{debuglib|debug library}.

}

@LibEntry{tonumber (e [, base])|

When called with no @id{base},
@id{tonumber} tries to convert its argument to a number.
If the argument is already a number or
a string convertible to a number,
then @id{tonumber} returns this number;
otherwise,
it returns @fail.

The conversion of strings can result in integers or floats,
according to the lexical conventions of Lua @see{lexical}.
The string may have leading and trailing spaces and a sign.

When called with @id{base},
then @id{e} must be a string to be interpreted as
an integer numeral in that base.
The base may be any integer between 2 and 36, inclusive.
In bases @N{above 10}, the letter @Char{A} (in either upper or lower case)
@N{represents 10}, @Char{B} @N{represents 11}, and so forth,
with @Char{Z} representing 35.
If the string @id{e} is not a valid numeral in the given base,
the function returns @fail.

}

@LibEntry{tostring (v)|

Receives a value of any type and
converts it to a string in a human-readable format.

If the metatable of @id{v} has a @idx{__tostring} field,
then @id{tostring} calls the corresponding value
with @id{v} as argument,
and uses the result of the call as its result.

Otherwise, if the metatable of @id{v} has a @idx{__name} field
with a string
 value,
@id{tostring} may use that string in its final result.

For complete control of how numbers are converted,
use @Lid{string.format}.

}

@LibEntry{type (v)|

Returns the type of its only argument, coded as a string.
The possible results of this function are
@St{nil} (a string, not the value @nil),
@St{number},
@St{string},
@St{boolean},
@St{table},
@St{function},
@St{thread},
and @St{userdata}.

}

@LibEntry{_VERSION|

A global variable (not a function) that
holds a string containing the running Lua version.
The current value of this variable is @St{Lua 5.4}.

}

@LibEntry{warn (msg1, @Cdots)|

Emits a warning with a message composed by the concatenation
of all its arguments (which should be strings).

By convention,
a one-piece message starting with @Char{@At}
is intended to be a @emph{control message},
which is a message to the warning system itself.
In particular, the standard warning function in Lua
recognizes the control messages @St{@At{}off},
to stop the emission of warnings,
and
 @St{@At{}on}, to (re)start the emission;
it ignores unknown control messages.

}

@LibEntry{xpcall (f, msgh [, arg1, @Cdots])|

This function is similar to @Lid{pcall},
except that it sets a new @x{message handler} @id{msgh}.

}

}

@sect2{corolib| @title{Coroutine Manipulation}

This library comprises the operations to manipulate coroutines,
which come inside the table @defid{coroutine}.
See @See{coroutine} for a general description of coroutines.

@LibEntry{coroutine.close (co)|

Closes coroutine @id{co},
that is,
closes all its pending to-be-closed variables
and puts the coroutine in a dead state.
The given coroutine must be dead or suspended.
In case of error
(either the original error that stopped the coroutine or
errors in closing methods),
returns @false plus the error object;
otherwise returns @true.

}

@LibEntry{coroutine.create (f)|

Creates a new coroutine, with body @id{f}.
@id{f} must be a function.
Returns this new coroutine,
an object with type @T{"thread"}.

}

@LibEntry{coroutine.isyieldable
([co])|

Returns @true when the coroutine @id{co} can yield.
The default for @id{co} is the running coroutine.

A coroutine is yieldable if it is not the main thread and
it is not inside a non-yieldable @N{C function}.

}

@LibEntry{coroutine.resume (co [, val1, @Cdots])|

Starts or continues the execution of coroutine @id{co}.
The first time you resume a coroutine,
it starts running its body.
The values @id{val1}, @ldots are passed
as the arguments to the body function.
If the coroutine has yielded,
@id{resume} restarts it;
the values @id{val1}, @ldots are passed
as the results from the yield.

If the coroutine runs without any errors,
@id{resume} returns @true plus any values passed to @id{yield}
(when the coroutine yields) or any values returned by the body function
(when the coroutine terminates).
If there is any error,
@id{resume} returns @false plus the error message.

}

@LibEntry{coroutine.running ()|

Returns the running coroutine plus a boolean,
@true
 when the running coroutine is the main one.

}

@LibEntry{coroutine.status (co)|

Returns the status of the coroutine @id{co}, as a string:
@T{"running"},
if the coroutine is running
(that is, it is the one that called @id{status});
@T{"suspended"}, if the coroutine is suspended in a call to @id{yield},
or if it has not started running yet;
@T{"normal"} if the coroutine is active but not running
(that is, it has resumed another coroutine);
and @T{"dead"} if the coroutine has finished its body function,
or if it has stopped with an error.

}

@LibEntry{coroutine.wrap (f)|

Creates a new coroutine, with body @id{f};
@id{f} must be a function.
Returns a function that resumes the coroutine each time it is called.
Any arguments passed to this function behave as the
extra arguments to @id{resume}.
The function returns the same values returned by @id{resume},
except the first boolean.
In case of error,
the function closes the coroutine and propagates the error.

}

@LibEntry{coroutine.yield
(@Cdots)|

Suspends the execution of the calling coroutine.
Any arguments to @id{yield} are passed as extra results to @id{resume}.

}

}

@sect2{packlib| @title{Modules}

The package library provides basic
facilities for loading modules in Lua.
It exports one function directly in the global environment:
@Lid{require}.
Everything else is exported in the table @defid{package}.

@LibEntry{require (modname)|

Loads the given module.
The function starts by looking into the @Lid{package.loaded} table
to determine whether @id{modname} is already loaded.
If it is, then @id{require} returns the value stored
at @T{package.loaded[modname]}.
(The absence of a second result in this case
signals that this call did not have to load the module.)
Otherwise, it tries to find a @emph{loader} for the module.

To find a loader,
@id{require} is guided by the table @Lid{package.searchers}.

Each item in this table is a search function,
that searches for the module in a particular way.
By changing
this table,
we can change how @id{require} looks for a module.
The following explanation is based on the default configuration
for @Lid{package.searchers}.

First @id{require} queries @T{package.preload[modname]}.
If it has a value,
this value (which must be a function) is the loader.
Otherwise @id{require} searches for a Lua loader using the
path stored in @Lid{package.path}.
If that also fails, it searches for a @N{C loader} using the
path stored in @Lid{package.cpath}.
If that also fails,
it tries an @emph{all-in-one} loader @seeF{package.searchers}.

Once a loader is found,
@id{require} calls the loader with two arguments:
@id{modname} and an extra value,
a @emph{loader data},
also returned by the searcher.
The loader data can be any value useful to the module;
for the default searchers,
it indicates where the loader was found.
(For instance, if the loader came from a file,
this extra value is the file path.)
If the loader returns any non-nil value,
@id{require} assigns the returned
value to @T{package.loaded[modname]}.
If the loader does not return a non-nil value and
has not assigned any value to @T{package.loaded[modname]},
then @id{require} assigns @true to this entry.
In any case, @id{require} returns the
final value of @T{package.loaded[modname]}.
Besides that value, @id{require} also returns as a second result
the loader data returned by the searcher,
which indicates how @id{require} found the module.

If there is any error loading or running the module,
or if it cannot find any loader for the module,
then @id{require} raises an error.

}

@LibEntry{package.config|

A string describing some compile-time configurations for packages.
This string is a sequence of lines:
@itemize{

@item{The first line is the @x{directory separator} string.
Default is @Char{\} for @x{Windows} and @Char{/} for all other systems.}

@item{The second line is the character that separates templates in a path.
Default is @Char{;}.}

@item{The third line is the string that marks the
substitution
 points in a template.
Default is @Char{?}.}

@item{The fourth line is a string that, in a path in @x{Windows},
is replaced by the executable's directory.
Default is @Char{!}.}

@item{The fifth line is a mark to ignore all text after it
when building the @id{luaopen_} function name.
Default is @Char{-}.}

}

}

@LibEntry{package.cpath|

A string with the path used by @Lid{require}
to search for a @N{C loader}.

Lua initializes the @N{C path} @Lid{package.cpath} in the same way
it initializes the Lua path @Lid{package.path},
using the environment variable @defid{LUA_CPATH_5_4},
or the environment variable @defid{LUA_CPATH},
or a default path defined in @id{luaconf.h}.

}

@LibEntry{package.loaded|

A table used by @Lid{require} to control which
modules are already loaded.
When you require a module @id{modname} and
@T{package.loaded[modname]} is not false,
@Lid{require} simply returns the value stored there.

This variable is only a reference to the real table;
assignments
 to this variable do not change the
table used by @Lid{require}.
The real table is stored in the C registry @see{registry},
indexed by the key @defid{LUA_LOADED_TABLE}, a string.

}

@LibEntry{package.loadlib (libname, funcname)|

Dynamically links the host program with the @N{C library} @id{libname}.

If @id{funcname} is @St{*},
then it only links with the library,
making the symbols exported by the library
available to other dynamically linked libraries.
Otherwise,
it looks for a function @id{funcname} inside the library
and returns this function as a @N{C function}.
So, @id{funcname} must follow the @Lid{lua_CFunction} prototype
@seeC{lua_CFunction}.

This is a low-level function.
It completely bypasses the package and module system.
Unlike @Lid{require},
it does not perform any path searching and
does not automatically adds extensions.
@id{libname} must be the complete file name of the @N{C library},
including if necessary a path and an extension.
@id{funcname} must be the exact name
 exported by the @N{C library}
(which may depend on the @N{C compiler} and linker used).

This functionality is not supported by @N{ISO C}.
As such, it is only available on some platforms
(Windows, Linux, Mac OS X, Solaris, BSD,
plus other Unix systems that support the @id{dlfcn} standard).

This function is inherently insecure,
as it allows Lua to call any function in any readable dynamic
library in the system.
(Lua calls any function assuming the function
has a proper prototype and respects a proper protocol
@see{lua_CFunction}.
Therefore,
calling an arbitrary function in an arbitrary dynamic library
more often than not results in an access violation.)

}

@LibEntry{package.path|

A string with the path used by @Lid{require}
to search for a Lua loader.

At start-up, Lua initializes this variable with
the value of the environment variable @defid{LUA_PATH_5_4} or
the environment variable @defid{LUA_PATH} or
with a default path defined in @id{luaconf.h},
if those environment variables
are not defined.
A @St{;;} in the value of the environment variable
is replaced by the default path.

}

@LibEntry{package.preload|

A table to store loaders for specific modules
@seeF{require}.

This variable is only a reference to the real table;
assignments to this variable do not change the
table used by @Lid{require}.
The real table is stored in the C registry @see{registry},
indexed by the key @defid{LUA_PRELOAD_TABLE}, a string.

}

@LibEntry{package.searchers|

A table used by @Lid{require} to control how to find modules.

Each entry in this table is a @def{searcher function}.
When looking for a module,
@Lid{require} calls each of these searchers in ascending order,
with the module name (the argument given to @Lid{require}) as its
sole argument.
If the searcher finds the module,
it returns another function, the module @def{loader},
plus an extra value, a @emph{loader data},
that will be passed to that loader and
returned as a second result by @Lid{require}.
If it cannot find the

module,
it returns a string explaining why
(or @nil if it has nothing to say).

Lua initializes this table with four searcher functions.

The first searcher simply looks for a loader in the
@Lid{package.preload} table.

The second searcher looks for a loader as a Lua library,
using the path stored at @Lid{package.path}.
The search is done as described in function @Lid{package.searchpath}.

The third searcher looks for a loader as a @N{C library},
using the path given by the variable @Lid{package.cpath}.
Again,
the search is done as described in function @Lid{package.searchpath}.
For instance,
if the @N{C path} is the string
@verbatim{
"./?.so;./?.dll;/usr/local/?/init.so"
}
the searcher for module @id{foo}
will try to open the files @T{./foo.so}, @T{./foo.dll},
and @T{/usr/local/foo/init.so}, in that order.
Once it finds a @N{C library},
this searcher first uses a dynamic link facility to link the
application with the library.
Then it tries to find a @N{C function} inside the library
to
be used as the loader.
The name of this @N{C function} is the string @St{luaopen_}
concatenated with a copy of the module name where each dot
is replaced by an underscore.
Moreover, if the module name has a hyphen,
its suffix after (and including) the first hyphen is removed.
For instance, if the module name is @id{a.b.c-v2.1},
the function name will be @id{luaopen_a_b_c}.

The fourth searcher tries an @def{all-in-one loader}.
It searches the @N{C path} for a library for
the root name of the given module.
For instance, when requiring @id{a.b.c},
it will search for a @N{C library} for @id{a}.
If found, it looks into it for an open function for
the submodule;
in our example, that would be @id{luaopen_a_b_c}.
With this facility, a package can pack several @N{C submodules}

into one single library,
with each submodule keeping its original open function.

All searchers except the first one (preload) return as the extra value
the file path where the module was found,
as returned by @Lid{package.searchpath}.
The
first searcher always returns the string @St{:preload:}.

Searchers should raise no errors and have no side effects in Lua.
(They may have side effects in C,
for instance by linking the application with a library.)

}

@LibEntry{package.searchpath (name, path [, sep [, rep]])|

Searches for the given @id{name} in the given @id{path}.

A path is a string containing a sequence of
@emph{templates} separated by semicolons.
For each template,
the function replaces each interrogation mark (if any)
in the template with a copy of @id{name}
wherein all occurrences of @id{sep}
(a dot, by default)
were replaced by @id{rep}
(the system's directory separator, by default),
and then tries to open the resulting file name.

For instance, if the path is the string
@verbatim{
"./?.lua;./?.lc;/usr/local/?/init.lua"
}
the search for the name @id{foo.a}
will try to open the files
@T{./foo/a.lua}, @T{./foo/a.lc}, and
@T{/usr/local/foo/a/init.lua}, in that order.

Returns the resulting
name of the first file that it can
open in read mode (after closing the file),
or @fail plus an error message if none succeeds.
(This error message lists all file names it tried to open.)

}

}

@sect2{strlib| @title{String Manipulation}

@simplesect{

This library provides generic functions for string manipulation,
such as finding and extracting substrings, and pattern matching.
When indexing a string in Lua, the first character is at @N{position 1}
(not @N{at 0}, as in C).
Indices are allowed to be negative and are interpreted as indexing backwards,
from the end of the string.
Thus, the last character is at position @num{-1}, and so on.

The string library provides all its functions inside the table
@defid{string}.
It also sets a @x{metatable for strings}
where the @idx{__index} field points to the @id{string} table.
Therefore, you can use the string functions in object-oriented style.
For instance, @T{string.byte(s,i)}
can be written as @T{s:byte(i)}.

The string library assumes one-byte
character encodings.

@LibEntry{string.byte (s [, i [, j]])|
Returns the internal numeric codes of the characters @T{s[i]},
@T{s[i+1]}, @ldots, @T{s[j]}.
The default value for @id{i} @N{is 1};
the default value for @id{j} @N{is @id{i}}.
These indices are corrected
following the same rules of function @Lid{string.sub}.

Numeric codes are not necessarily portable across platforms.

}

@LibEntry{string.char (@Cdots)|
Receives zero or more integers.
Returns a string with length equal to the number of arguments,
in which each character has the internal numeric code equal
to its corresponding argument.

Numeric codes are not necessarily portable across platforms.

}

@LibEntry{string.dump (function [, strip])|

Returns a string containing a binary representation
(a @emph{binary chunk})
of the given function,
so that a later @Lid{load} on this string returns
a copy of the function (but with new upvalues).
If @id{strip} is a true value,
the binary representation may not include all debug
 information
about the function,
to save space.

Functions with upvalues have only their number of upvalues saved.
When (re)loaded,
those upvalues receive fresh instances.
(See the @Lid{load} function for details about
how these upvalues are initialized.
You can use the debug library to serialize
and reload the upvalues of a function
in a way adequate to your needs.)

}

@LibEntry{string.find (s, pattern [, init [, plain]])|

Looks for the first match of
@id{pattern} @see{pm} in the string @id{s}.
If it finds a match, then @id{find} returns the indices @N{of @T{s}}
where this occurrence starts and ends;
otherwise, it returns @fail.
A third, optional numeric argument @id{init} specifies
where to start the search;
its default value @N{is 1} and can be negative.
A @true as a fourth, optional argument @id{plain}
turns off the pattern matching facilities,
so the function does a plain @Q{find substring} operation,
with no characters in @id{pattern} being considered magic.

If the pattern has
 captures,
then in a successful match
the captured values are also returned,
after the two indices.

}

@LibEntry{string.format (formatstring, @Cdots)|

Returns a formatted version of its variable number of arguments
following the description given in its first argument,
which must be a string.
The format string follows the same rules as the @ANSI{sprintf}.
The only differences are that the conversion specifiers and modifiers
@id{F}, @id{n}, @T{*}, @id{h}, @id{L}, and @id{l} are not supported
and that there is an extra specifier, @id{q}.
Both width and precision, when present,
are limited to two digits.

The specifier @id{q} formats booleans, nil, numbers, and strings
in a way that the result is a valid constant in Lua source code.
Booleans and nil are written in the obvious way
(@id{true}, @id{false}, @id{nil}).
Floats are written in hexadecimal,
to preserve full precision.
A string is written between double quotes,
using escape sequences when necessary to ensure that
it can safely
be read back by the Lua interpreter.
For instance, the call
@verbatim{
string.format('%q', 'a string with "quotes" and \n new line')
}
may produce the string:
@verbatim{
"a string with \"quotes\" and \
new line"
}
This specifier does not support modifiers (flags, width, precision).

The conversion specifiers
@id{A}, @id{a}, @id{E}, @id{e}, @id{f},
@id{G}, and @id{g} all expect a number as argument.
The specifiers @id{c}, @id{d},
@id{i}, @id{o}, @id{u}, @id{X}, and @id{x}
expect an integer.
When Lua is compiled with a C89 compiler,
the specifiers @id{A} and @id{a} (hexadecimal floats)
do not support modifiers.

The specifier @id{s} expects a string;
if its argument is not a string,
it is converted to one following the same rules of @Lid{tostring}.
If the specifier has any modifier,
the corresponding string argument should not contain @x{embedded zeros}.

The specifier @id{p} formats the pointer

returned by @Lid{lua_topointer}.
That gives a unique string identifier for tables, userdata,
threads,
 strings, and functions.
For other values (numbers, nil, booleans),
this specifier results in a string representing
the pointer @id{NULL}.

}

@LibEntry{string.gmatch (s, pattern [, init])|
Returns an iterator function that,
each time it is called,
returns the next captures from @id{pattern} @see{pm}
over the string @id{s}.
If @id{pattern} specifies no captures,
then the whole match is produced in each call.
A third, optional numeric argument @id{init} specifies
where to start the search;
its default value @N{is 1} and can be negative.

As an example, the following loop
will iterate over all the words from string @id{s},
printing one per line:
@verbatim{
s = "hello world from Lua"
for w in string.gmatch(s, "%a+") do
 print(w)
end
}
The next example collects all pairs @T{key=value} from the
given string into a table:
@verbatim{
t = {}
s = "from=world, to=Lua"
for k, v in string.gmatch(s, "(%w+)=(%w+)") do
 t[k] = v
end
}

For this function, a caret @Char{^} at the start of a
 pattern does not
work as an anchor, as this would prevent the iteration.

}

@LibEntry{string.gsub (s, pattern, repl [, n])|
Returns a copy of @id{s}

in which all (or the first @id{n}, if given)
occurrences of the @id{pattern} @see{pm} have been
replaced by a replacement string specified by @id{repl},
which can be a string, a table, or a function.
@id{gsub} also returns, as its second value,
the total number of matches that occurred.
The name @id{gsub} comes from @emph{Global SUBstitution}.

If @id{repl} is a string, then its value is used for replacement.
The @N{character @T{%}} works as an escape character:
any sequence in @id{repl} of the form @T{%@rep{d}},
with @rep{d} between 1 and 9,
stands for the value of the @rep{d}-th captured substring;
the sequence @T{%0} stands for the whole match;
the sequence @T{%%} stands for a @N{single @T{%}}.

If @id{repl} is a table, then the table is queried for every match,
using the first capture as the key.

If @id{repl} is a function, then this
function is called every time a
match occurs, with all captured substrings passed as arguments,
in order.

In any case,
if the pattern specifies no captures,
then it behaves as if the whole pattern was inside a capture.

If the value returned by the table query or by the function call
is a string or a number,
then it is used as the replacement string;
otherwise, if it is @Rw{false} or @nil,
then there is no replacement
(that is, the original match is kept in the string).

Here are some examples:
@verbatim{
x = string.gsub("hello world", "(%w+)", "%1 %1")
--> x="hello hello world world"

x = string.gsub("hello world", "%w+", "%0 %0", 1)
--> x="hello hello world"

x = string.gsub("hello world from Lua", "(%w+)%s*(%w+)", "%2 %1")
--> x="world hello Lua from"

x = string.gsub("home = $HOME, user = $USER", "%$(%w+)", os.getenv)
--> x="home = /home/roberto, user = roberto"

```
x = string.gsub("4+5 = $return 4+5$", "%$(.-)%$", function (s)
     return load(s)()
   end)
--> x="4+5 = 9"

local
 t = {name="lua", version="5.4"}
x = string.gsub("$name-$version.tar.gz", "%$(%w+)", t)
--> x="lua-5.4.tar.gz"
}

}

@LibEntry{string.len (s)|

Receives a string and returns its length.
The empty string @T{""} has length 0.
Embedded zeros are counted,
so @T{"a\000bc\000"} has length 5.

}

@LibEntry{string.lower (s)|

Receives a string and returns a copy of this string with all
uppercase letters changed to lowercase.
All other characters are left unchanged.
The definition of what an uppercase letter is depends on the current locale.

}

@LibEntry{string.match (s, pattern [, init])|

Looks for the first @emph{match} of
the @id{pattern} @see{pm} in the string @id{s}.
If it finds one, then @id{match} returns
the captures from the pattern;
otherwise it returns @fail.
If @id{pattern} specifies no captures,
then the whole match is returned.
A third, optional numeric argument @id{init} specifies
where to start the search;
its default value @N{is 1} and can be negative.

}

@LibEntry{string.pack
```

(fmt, v1, v2, @Cdots)|

Returns a binary string containing the values @id{v1}, @id{v2}, etc.
serialized in binary form (packed)
according to the format string @id{fmt} @see{pack}.

}

@LibEntry{string.packsize (fmt)|

Returns the length of a string resulting from @Lid{string.pack}
with the given format.
The format string cannot have the variable-length options
@Char{s} or @Char{z} @see{pack}.

}

@LibEntry{string.rep (s, n [, sep])|

Returns a string that is the concatenation of @id{n} copies of
the string @id{s} separated by the string @id{sep}.
The default value for @id{sep} is the empty string
(that is, no separator).
Returns the empty string if @id{n} is not positive.

(Note that it is very easy to exhaust the memory of your machine
with a single call to this function.)

}

@LibEntry{string.reverse (s)|

Returns a string that is the string @id{s} reversed.

}

@LibEntry{string.sub (s, i [, j])|

Returns the substring of @id{s} that
starts at @id{i} and continues until @id{j};
@id{i}
 and @id{j} can be negative.
If @id{j} is absent, then it is assumed to be equal to @num{-1}
(which is the same as the string length).
In particular,
the call @T{string.sub(s,1,j)} returns a prefix of @id{s}
with length @id{j},
and @T{string.sub(s, -i)} (for a positive @id{i})

returns a suffix of @id{s}
with length @id{i}.

If, after the translation of negative indices,
@id{i} is less than 1,
it is corrected to 1.
If @id{j} is greater than the string length,
it is corrected to that length.
If, after these corrections,
@id{i} is greater than @id{j},
the function returns the empty string.

}

@LibEntry{string.unpack (fmt, s [, pos])|

Returns the values packed in string @id{s} @seeF{string.pack}
according to the format string @id{fmt} @see{pack}.
An optional @id{pos} marks where
to start reading in @id{s} (default is 1).
After the read values,
this function also returns the index of the first unread byte in @id{s}.

}

@LibEntry{string.upper (s)|

Receives a string and returns a copy
of this string with all
lowercase letters changed to uppercase.
All other characters are left unchanged.
The definition of what a lowercase letter is depends on the current locale.

}

}

@sect3{pm| @title{Patterns}

@simplesect{

Patterns in Lua are described by regular strings,
which are interpreted as patterns by the pattern-matching functions
@Lid{string.find},
@Lid{string.gmatch},
@Lid{string.gsub},
and @Lid{string.match}.

This section describes the syntax and the meaning
(that is, what they match) of these strings.

}

@sect4{@title{Character Class:}
A @def{character class} is used to represent a set of characters.
The following combinations are allowed in describing a character class:
@description{

@item{@rep{x}|
(where @rep{x} is not one of the @emphx{magic characters}
@T{^$()%.[]*+-?})
represents the character @emph{x} itself.
}

@item{@T{.}| (a dot) represents all characters.}

@item{@T{%a}| represents all letters.}

@item{@T{%c}| represents all control characters.}

@item{@T{%d}|
represents all digits.}

@item{@T{%g}| represents all printable characters except space.}

@item{@T{%l}| represents all lowercase letters.}

@item{@T{%p}| represents all punctuation characters.}

@item{@T{%s}| represents all space characters.}

@item{@T{%u}| represents all uppercase letters.}

@item{@T{%w}| represents all alphanumeric characters.}

@item{@T{%x}| represents all hexadecimal digits.}

@item{@T{%@rep{x}}| (where @rep{x} is any non-alphanumeric character)
represents the character @rep{x}.
This is the standard way to escape the magic characters.
Any non-alphanumeric character
(including all punctuation characters, even the non-magical)
can be preceded by a @Char{%} to represent itself in a pattern.
}

@item{@T{[@rep{set}]}|

represents the class which is the union of all
characters in @rep{set}.
A range of characters can be specified by
separating the end characters of the range,
in ascending order, with a @Char{-}.
All classes @T{%}@emph{x} described above can also
be used as
components in @rep{set}.
All other characters in @rep{set} represent themselves.
For example, @T{[%w_]} (or @T{[_%w]})
represents all alphanumeric characters plus the underscore,
@T{[0-7]} represents the octal digits,
and @T{[0-7%l%-]} represents the octal digits plus
the lowercase letters plus the @Char{-} character.

You can put a closing square bracket in a set
by positioning it as the first character in the set.
You can put a hyphen in a set
by positioning it as the first or the last character in the set.
(You can also use an escape for both cases.)

The interaction between ranges and classes is not defined.
Therefore, patterns like @T{[%a-z]} or @T{[a-%%]}
have no meaning.
}

@item{@T{[^@rep{set}]}|
represents the complement of @rep{set},
where @rep{set} is interpreted as above.
}

}
For all classes represented by single letters (@T{%a}, @T{%c}, etc.),
the corresponding uppercase letter represents the complement of the class.
For instance, @T{%S} represents all non-space
characters.

The definitions of letter, space, and other character groups
depend on the current locale.
In particular, the class @T{[a-z]} may not be equivalent to @T{%l}.

}

@sect4{@title{Pattern Item:}
A @def{pattern item} can be
@itemize{

@item{

a single character class,
which matches any single character in the class;
}

@item{
a single character class followed by @Char{*},
which matches sequences of zero or more characters in the class.
These repetition items will always match the longest possible sequence;
}

@item{
a single character class followed by @Char{+},
which matches sequences of one or more characters in the class.
These repetition items will always match the longest possible sequence;
}

@item{
a single character class followed by @Char{-},
which also matches sequences of zero or more characters in the class.
Unlike @Char{*},
these repetition items will always match the shortest possible sequence;
}

@item{
a single character class followed by @Char{?},
which matches
zero or one occurrence of a character in the class.
It always matches one occurrence if possible;
}

@item{
@T{%@rep{n}}, for @rep{n} between 1 and 9;
such item matches a substring equal to the @rep{n}-th captured string
(see below);
}

@item{
@T{%b@rep{xy}}, where @rep{x} and @rep{y} are two distinct characters;
such item matches strings that start @N{with @rep{x}}, end @N{with @rep{y}},
and where the @rep{x} and @rep{y} are @emph{balanced}.
This means that, if one reads the string from left to right,
counting @M{+1} for an @rep{x} and @M{-1} for a @rep{y},
the ending @rep{y} is the first @rep{y} where the count reaches 0.
For instance, the item @T{%b()} matches expressions with
balanced parentheses.
}

@item{

@T{%f[@rep{set}]}, a @def{frontier pattern};
such item matches an empty string at any position such that
the next character belongs to @rep{set}
and the previous character does not belong to @rep{set}.
The set @rep{set} is interpreted as previously described.
The beginning and
the end of the subject are handled as if
they were the character @Char{\0}.
}

}

}

@sect4{@title{Pattern:}
A @def{pattern} is a sequence of pattern items.
A caret @Char{^} at the beginning of a pattern anchors the match at the
beginning of the subject string.
A @Char{$} at the end of a pattern anchors the match at the
end of the subject string.
At other positions,
@Char{^} and @Char{$} have no special meaning and represent themselves.

}

@sect4{@title{Captures:}
A pattern can contain sub-patterns enclosed in parentheses;
they describe @def{captures}.
When a match succeeds, the substrings of the subject string
that match captures are stored (@emph{captured}) for future use.
Captures are numbered according to their left parentheses.
For instance, in the pattern @T{"(a*(.)%w(%s*))"},
the part of the string matching @T{"a*(.)%w(%s*)"} is
stored as the first capture, and therefore has @N{number 1};
the character matching @St{.} is captured with @N{number 2},
and the part matching @St{%s*}
has @N{number 3}.

As a special case, the capture @T{()} captures
the current string position (a number).
For instance, if we apply the pattern @T{"()aa()"} on the
string @T{"flaaap"}, there will be two captures: @N{3 and 5}.

}

@sect4{@title{Multiple matches:}
The function @Lid{string.gsub} and the iterator @Lid{string.gmatch}
match multiple occurrences of the given pattern in the subject.

For these functions,
a new match is considered valid only
if it ends at least one byte after the end of the previous match.
In other words, the pattern machine never accepts the
empty string as a match immediately after another match.
As an example,
consider the results of the following code:
@verbatim{
> string.gsub("abc", "()a*()", print);
--> 1   2
--> 3   3
--> 4   4
}
The second and third results come from Lua matching an empty
string after @Char{b} and another one after @Char{c}.
Lua does not match an empty string after @Char{a},
because it would end at the same position of the previous match.

}

}

@sect3{pack|
 @title{Format Strings for Pack and Unpack}

The first argument to @Lid{string.pack},
@Lid{string.packsize}, and @Lid{string.unpack}
is a format string,
which describes the layout of the structure being created or read.

A format string is a sequence of conversion options.
The conversion options are as follows:
@description{
@item{@T{<}|sets little endian}
@item{@T{>}|sets big endian}
@item{@T{=}|sets native endian}
@item{@T{![@rep{n}]}|sets maximum alignment to @id{n}
(default is native alignment)}
@item{@T{b}|a signed byte (@id{char})}
@item{@T{B}|an unsigned byte (@id{char})}
@item{@T{h}|a signed @id{short} (native size)}
@item{@T{H}|an unsigned @id{short} (native size)}
@item{@T{l}|a signed @id{long} (native size)}
@item{@T{L}|an unsigned @id{long} (native size)}
@item{@T{j}|a @id{lua_Integer}}
@item{@T{J}|a @id{lua_Unsigned}}
@item{@T{T}|a @id{size_t} (native size)}
@item{@T{i[@rep{n}]}|a signed @id{int} with @id{n} bytes

(default is native size)}
@item{@T{I[@rep{n}]}|an
 unsigned @id{int} with @id{n} bytes
(default is native size)}
@item{@T{f}|a @id{float} (native size)}
@item{@T{d}|a @id{double} (native size)}
@item{@T{n}|a @id{lua_Number}}
@item{@T{c@rep{n}}|a fixed-sized string with @id{n} bytes}
@item{@T{z}|a zero-terminated string}
@item{@T{s[@emph{n}]}|a string preceded by its length
coded as an unsigned integer with @id{n} bytes
(default is a @id{size_t})}
@item{@T{x}|one byte of padding}
@item{@T{X@rep{op}}|an empty item that aligns
according to option @id{op}
(which is otherwise ignored)}
@item{@Char{ }|(space) ignored}
}
(A @St{[@rep{n}]} means an optional integral numeral.)
Except for padding, spaces, and configurations
(options @St{xX <=>!}),
each option corresponds to an argument in @Lid{string.pack}
or a result in @Lid{string.unpack}.

For options @St{!@rep{n}}, @St{s@rep{n}}, @St{i@rep{n}}, and @St{I@rep{n}},
@id{n} can be any integer between 1 and 16.
All integral options check overflows;
@Lid{string.pack} checks whether
 the given value fits in the given size;
@Lid{string.unpack} checks whether the read value fits in a Lua integer.
For the unsigned options,
Lua integers are treated as unsigned values too.

Any format string starts as if prefixed by @St{!1=},
that is,
with maximum alignment of 1 (no alignment)
and native endianness.

Native endianness assumes that the whole system is
either big or little endian.
The packing functions will not emulate correctly the behavior
of mixed-endian formats.

Alignment works as follows:
For each option,
the format gets extra padding until the data starts
at an offset that is a multiple of the minimum between the
option size and the maximum alignment;

this minimum must be a power of 2.
Options @St{c} and @St{z} are not aligned;
option @St{s} follows the alignment of its starting integer.

All padding is filled with zeros by @Lid{string.pack}
and ignored by @Lid{string.unpack}.

}

}

@sect2{utf8| @title{UTF-8 Support}

This library provides basic support for @x{UTF-8}
encoding.
It provides all its functions inside the table @defid{utf8}.
This library does not provide any support for @x{Unicode} other
than the handling of the encoding.
Any operation that needs the meaning of a character,
such as character classification, is outside its scope.

Unless stated otherwise,
all functions that expect a byte position as a parameter
assume that the given position is either the start of a byte sequence
or one plus the length of the subject string.
As in the string library,
negative indices count from the end of the string.

Functions that create byte sequences
accept all values up to @T{0x7FFFFFFF},
as defined in the original UTF-8 specification;
that implies byte sequences of up to six bytes.

Functions that interpret byte sequences only accept
valid sequences (well formed and not overlong).
By default, they only accept byte sequences
that result in valid Unicode code points,
rejecting values greater than @T{10FFFF} and surrogates.
A boolean argument @id{lax},
when available,
lifts these checks,
so that all values up to @T{0x7FFFFFFF} are accepted.
(Not well formed and overlong sequences are still rejected.)

@LibEntry{utf8.char (@Cdots)|

Receives zero or more integers,
converts each one to its corresponding UTF-8 byte sequence
and returns a string with the concatenation of all these sequences.

}

@LibEntry{utf8.charpattern|

The pattern (a string, not a function) @St{[\0-\x7F\xC2-\xFD][\x80-\xBF]*}
@see{pm},
which matches exactly one UTF-8 byte sequence,
assuming that the subject is a valid UTF-8 string.

}

@LibEntry{utf8.codes (s [, lax])|

Returns values so that the construction
@verbatim{
for p, c in utf8.codes(s) do @rep{body} end
}
will iterate over all UTF-8 characters in string @id{s},
with @id{p} being the position (in bytes) and @id{c} the code point
of each character.
It raises an error if it meets any invalid byte sequence.

}

@LibEntry{utf8.codepoint (s [, i [, j [, lax]]])|

Returns the code points (as integers) from
all characters in @id{s}
that start between byte position @id{i} and @id{j} (both included).
The default for @id{i} is 1 and for @id{j} is @id{i}.
It raises an error if it meets any invalid byte sequence.

}

@LibEntry{utf8.len (s [, i [, j [, lax]]])|

Returns the number of UTF-8 characters in string @id{s}
that start between positions @id{i} and @id{j} (both inclusive).
The default for @id{i} is @num{1} and for @id{j} is @num{-1}.
If it finds any invalid byte sequence,
returns @fail plus the position of the first invalid byte.

}

@LibEntry{utf8.offset (s, n [, i])|

Returns the position (in bytes) where the encoding of the
@id{n}-th character of @id{s}
(counting from position @id{i}) starts.
A negative @id{n} gets characters before position @id{i}.
The default for @id{i} is 1 when @id{n} is non-negative
and @T{#s + 1} otherwise,
so that @T{utf8.offset(s, -n)} gets the offset of the
@id{n}-th character from the end of the string.
If the specified character is neither in the subject
nor
right after its end,
the function returns @fail.

As a special case,
when @id{n} is 0 the function returns the start of the encoding
of the character that contains the @id{i}-th byte of @id{s}.

This function assumes that @id{s} is a valid UTF-8 string.

}

}

@sect2{tablib| @title{Table Manipulation}

This library provides generic functions for table manipulation.
It provides all its functions inside the table @defid{table}.

Remember that, whenever an operation needs the length of a table,
all caveats about the length operator apply @see{len-op}.
All functions ignore non-numeric keys
in the tables given as arguments.

@LibEntry{table.concat (list [, sep [, i [, j]]])|

Given a list where all elements are strings or numbers,
returns the string @T{list[i]..sep..list[i+1] @Cdots sep..list[j]}.
The default value for @id{sep} is the empty string,
the default for @id{i} is 1,
and the default for @id{j} is @T{#list}.
If @id{i} is greater than @id{j}, returns the empty string.

}

@LibEntry{table.insert

(list, [pos,] value)|

Inserts element @id{value} at position @id{pos} in @id{list},
shifting up the elements
@T{list[pos], list[pos+1], @Cdots, list[#list]}.
The default value for @id{pos} is @T{#list+1},
so that a call @T{table.insert(t,x)} inserts @id{x} at the end
of the list @id{t}.

}

@LibEntry{table.move (a1, f, e, t [,a2])|

Moves elements from the table @id{a1} to the table @id{a2},
performing the equivalent to the following
multiple assignment:
@T{a2[t],@Cdots = a1[f],@Cdots,a1[e]}.
The default for @id{a2} is @id{a1}.
The destination range can overlap with the source range.
The number of elements to be moved must fit in a Lua integer.

Returns the destination table @id{a2}.

}

@LibEntry{table.pack (@Cdots)|

Returns a new table with all arguments stored into keys 1, 2, etc.
and with a field @St{n} with the total number of arguments.
Note that the resulting table may not be a sequence,
if some arguments are @nil.

}

@LibEntry{table.remove (list [, pos])|

Removes
from @id{list} the element at position @id{pos},
returning the value of the removed element.
When @id{pos} is an integer between 1 and @T{#list},
it shifts down the elements
@T{list[pos+1], list[pos+2], @Cdots, list[#list]}
and erases element @T{list[#list]};
The index @id{pos} can also be 0 when @T{#list} is 0,
or @T{#list + 1}.

The default value for @id{pos} is @T{#list},
so that a call @T{table.remove(l)} removes the last element

of the list @id{l}.

}

@LibEntry{table.sort (list [, comp])|

Sorts the list elements in a given order, @emph{in-place},
from @T{list[1]} to @T{list[#list]}.
If @id{comp} is given,
then it must be a function that receives two list elements
and returns true when the first element must come
before the second in the final order,
so that, after the sort,
@T{i <= j} implies @T{not comp(list[j],list[i])}.
If @id{comp} is not given,
then the standard Lua operator @T{<} is used instead.

The @id{comp} function must define a consistent order;
more formally,
the function must define a strict weak order.
(A weak order is similar to a total order,
but it can equate different elements for comparison purposes.)

The sort algorithm is not stable:
Different elements considered equal by the given order
may have their relative positions changed by the sort.

}

@LibEntry{table.unpack (list [, i [, j]])|

Returns the elements from the given list.
This function is equivalent to
@verbatim{
return list[i], list[i+1], @Cdots, list[j]
}
By default, @id{i} @N{is 1} and @id{j} is @T{#list}.

}

}

@sect2{mathlib| @title{Mathematical Functions}

This library provides basic mathematical functions.
It provides all its functions and constants inside the table @defid{math}.
Functions with the annotation @St{integer/float} give
integer results for integer arguments

and float results for non-integer arguments.
The rounding functions
@Lid{math.ceil}, @Lid{math.floor}, and @Lid{math.modf}
return an integer when the result fits in the range of an integer,
or a
float otherwise.

@LibEntry{math.abs (x)|

Returns the maximum value between @id{x} and @id{-x}. (integer/float)

}

@LibEntry{math.acos (x)|

Returns the arc cosine of @id{x} (in radians).

}

@LibEntry{math.asin (x)|

Returns the arc sine of @id{x} (in radians).

}

@LibEntry{math.atan (y [, x])|

@index{atan} @index{atan2}
Returns the arc tangent of @T{y/x} (in radians),
using the signs of both arguments to find the
quadrant of the result.
It also handles correctly the case of @id{x} being zero.

The default value for @id{x} is 1,
so that the call @T{math.atan(y)}
returns the arc tangent of @id{y}.

}

@LibEntry{math.ceil (x)|

Returns the smallest integral value greater than or equal to @id{x}.

}

@LibEntry{math.cos (x)|

Returns the cosine of @id{x} (assumed to be in radians).

}

@LibEntry{math.deg (x)|

Converts the angle @id{x} from radians to degrees.

}

@LibEntry{math.exp (x)|

Returns the value @M{e@sp{x}}
(where @id{e} is the base of natural logarithms).

}

@LibEntry{math.floor
(x)|

Returns the largest integral value less than or equal to @id{x}.

}

@LibEntry{math.fmod (x, y)|

Returns the remainder of the division of @id{x} by @id{y}
that rounds the quotient towards zero. (integer/float)

}

@LibEntry{math.huge|

The float value @idx{HUGE_VAL},
a value greater than any other numeric value.

}

@LibEntry{math.log (x [, base])|

Returns the logarithm of @id{x} in the given base.
The default for @id{base} is @M{e}
(so that the function returns the natural logarithm of @id{x}).

}

@LibEntry{math.max (x, @Cdots)|

Returns the argument with the maximum value,

according to the Lua operator @T{<}.

}

@LibEntry{math.maxinteger|
An integer with the maximum value for an integer.

}

@LibEntry{math.min (x, @Cdots)|

Returns the argument with the minimum value,
according to the Lua operator @T{<}.

}

@LibEntry{math.mininteger|
An integer with the minimum value for an integer.

}

@LibEntry{math.modf (x)|

Returns the integral part of @id{x} and the fractional
part of @id{x}.
Its second result is always a float.

}

@LibEntry{math.pi|

The value of @M{@pi}.

}

@LibEntry{math.rad (x)|

Converts the angle @id{x} from degrees to radians.

}

@LibEntry{math.random ([m [, n]])|

When called without arguments,
returns a pseudo-random float with uniform distribution
in the range @C{(} @M{[0,1)}. @C{]}
When called with two integers @id{m} and @id{n},
@id{math.random} returns a pseudo-random integer

with uniform distribution in the range @M{[m, n]}.
The call @T{math.random(n)}, for a positive @id{n},
is equivalent to @T{math.random(1,n)}.
The call @T{math.random(0)} produces an integer with
all bits (pseudo)random.

This function uses the @idx{xoshiro256**} algorithm to produce
pseudo-random 64-bit integers,
which are the results of calls with @N{argument 0}.
Other results (ranges and floats)
are unbiased extracted from these integers.

Lua initializes its pseudo-random generator with the equivalent of
a call to @Lid{math.randomseed} with no arguments,
so
that @id{math.random} should generate
different sequences of results each time the program runs.

}

@LibEntry{math.randomseed ([x [, y]])|

When called with at least one argument,
the integer parameters @id{x} and @id{y} are
joined into a 128-bit @emphx{seed} that
is used to reinitialize the pseudo-random generator;
equal seeds produce equal sequences of numbers.
The default for @id{y} is zero.

When called with no arguments,
Lua generates a seed with
a weak attempt for randomness.

This function returns the two seed components
that were effectively used,
so that setting them again repeats the sequence.

To ensure a required level of randomness to the initial state
(or contrarily, to have a deterministic sequence,
for instance when debugging a program),
you should call @Lid{math.randomseed} with explicit arguments.

}

@LibEntry{math.sin (x)|

Returns the sine of @id{x} (assumed to be in radians).

}

@LibEntry{math.sqrt (x)|

Returns the square root of @id{x}.
(You can also
use the expression @T{x^0.5} to compute this value.)

}

@LibEntry{math.tan (x)|

Returns the tangent of @id{x} (assumed to be in radians).

}

@LibEntry{math.tointeger (x)|

If the value @id{x} is convertible to an integer,
returns that integer.
Otherwise, returns @fail.

}

@LibEntry{math.type (x)|

Returns @St{integer} if @id{x} is an integer,
@St{float} if it is a float,
or @fail if @id{x} is not a number.

}

@LibEntry{math.ult (m, n)|

Returns a boolean,
@true if and only if integer @id{m} is below integer @id{n} when
they are compared as @x{unsigned integers}.

}

}

@sect2{iolib| @title{Input and Output Facilities}

The I/O library provides two different styles for file manipulation.
The first one uses implicit file handles;
that is, there are operations to set a default input file and a
default output file,

and all input/output operations are done over these default files.
The second style uses explicit file handles.

When using implicit file handles,
all operations are supplied
by table @defid{io}.
When using explicit file handles,
the operation @Lid{io.open} returns a file handle
and then all operations are supplied as methods of the file handle.

The metatable for file handles provides metamethods
for @idx{__gc} and @idx{__close} that try
to close the file when called.

The table @id{io} also provides
three predefined file handles with their usual meanings from C:
@defid{io.stdin}, @defid{io.stdout}, and @defid{io.stderr}.
The I/O library never closes these files.

Unless otherwise stated,
all I/O functions return @fail on failure,
plus an error message as a second result and
a system-dependent error code as a third result,
and some non-false value on success.
On non-POSIX systems,
the computation of the error message and error code
in case of errors
may be not @x{thread safe},
because they rely on the global C variable @id{errno}.

@LibEntry{io.close ([file])|

Equivalent to @T{file:close()}.
Without a @id{file}, closes the default output file.

}

@LibEntry{io.flush
()|

Equivalent to @T{io.output():flush()}.

}

@LibEntry{io.input ([file])|

When called with a file name, it opens the named file (in text mode),
and sets its handle as the default input file.

When called with a file handle,
it simply sets this file handle as the default input file.
When called without arguments,
it returns the current default input file.

In case of errors this function raises the error,
instead of returning an error code.

}

@LibEntry{io.lines ([filename, @Cdots])|

Opens the given file name in read mode
and returns an iterator function that
works like @T{file:lines(@Cdots)} over the opened file.
When the iterator function fails to read any value,
it automatically closes the file.
Besides the iterator function,
@id{io.lines} returns three other values:
two @nil values as placeholders,
plus the created file handle.
Therefore, when used in a generic @Rw{for} loop,
the file is closed also if the loop is interrupted by an
error or a @Rw{break}.

The call
 @T{io.lines()} (with no file name) is equivalent
to @T{io.input():lines("l")};
that is, it iterates over the lines of the default input file.
In this case, the iterator does not close the file when the loop ends.

In case of errors opening the file,
this function raises the error,
instead of returning an error code.

}

@LibEntry{io.open (filename [, mode])|

This function opens a file,
in the mode specified in the string @id{mode}.
In case of success,
it returns a new file handle.

The @id{mode} string can be any of the following:
@description{
@item{@St{r}| read mode (the default);}
@item{@St{w}| write mode;}

@item{@St{a}| append mode;}
@item{@St{r+}| update mode, all previous data is preserved;}
@item{@St{w+}| update mode, all previous data is erased;}
@item{@St{a+}| append update mode, previous data is preserved,
 writing is only allowed at the end of file.}
}
The @id{mode} string can also have a @Char{b} at the end,
which is needed in some systems to open the file in binary mode.

}

@LibEntry{io.output
 ([file])|

Similar to @Lid{io.input}, but operates over the default output file.

}

@LibEntry{io.popen (prog [, mode])|

This function is system dependent and is not available
on all platforms.

Starts the program @id{prog} in a separated process and returns
a file handle that you can use to read data from this program
(if @id{mode} is @T{"r"}, the default)
or to write data to this program
(if @id{mode} is @T{"w"}).

}

@LibEntry{io.read (@Cdots)|

Equivalent to @T{io.input():read(@Cdots)}.

}

@LibEntry{io.tmpfile ()|

In case of success,
returns a handle for a temporary file.
This file is opened in update mode
and it is automatically removed when the program ends.

}

@LibEntry{io.type (obj)|

Checks whether @id{obj} is a valid file handle.
Returns the string @T{"file"} if @id{obj} is an open file handle,
@T{"closed file"} if @id{obj} is a closed file handle,
or @fail if @id{obj} is not a file handle.

}

@LibEntry{io.write (@Cdots)|

Equivalent to @T{io.output():write(@Cdots)}.

}

@LibEntry{file:close
()|

Closes @id{file}.
Note that files are automatically closed when
their handles are garbage collected,
but that takes an unpredictable amount of time to happen.

When closing a file handle created with @Lid{io.popen},
@Lid{file:close} returns the same values
returned by @Lid{os.execute}.

}

@LibEntry{file:flush ()|

Saves any written data to @id{file}.

}

@LibEntry{file:lines (@Cdots)|

Returns an iterator function that,
each time it is called,
reads the file according to the given formats.
When no format is given,
uses @St{l} as a default.
As an example, the construction
@verbatim{
for c in file:lines(1) do @rep{body} end
}
will iterate over all characters of the file,
starting at the current position.
Unlike @Lid{io.lines}, this function does not close the file

when the loop ends.

}

@LibEntry{file:read (@Cdots)|

Reads the file @id{file},
according to the given formats, which specify what to read.
For each format,
the function
returns a string or a number with the characters read,
or @fail if it cannot read data with the specified format.
(In this latter case,
the function does not read subsequent formats.)
When called without arguments,
it uses a default format that reads the next line
(see below).

The available formats are
@description{

@item{@St{n}|
reads a numeral and returns it as a float or an integer,
following the lexical conventions of Lua.
(The numeral may have leading whitespaces and a sign.)
This format always reads the longest input sequence that
is a valid prefix for a numeral;
if that prefix does not form a valid numeral
(e.g., an empty string, @St{0x}, or @St{3.4e-})
or it is too long (more than 200 characters),
it is discarded and the format returns @fail.
}

@item{@St{a}|
reads the whole file, starting at the current position.
On end of file, it returns the empty string;
this format never fails.
}

@item{@St{l}|
reads the next line skipping the end of line,
returning @fail on end of file.
This
is the default format.
}

@item{@St{L}|
reads the next line keeping the end-of-line character (if present),

returning @fail on end of file.
}

@item{@emph{number}|
reads a string with up to this number of bytes,
returning @fail on end of file.
If @id{number} is zero,
it reads nothing and returns an empty string,
or @fail on end of file.
}

}
The formats @St{l} and @St{L} should be used only for text files.

}

@LibEntry{file:seek ([whence [, offset]])|

Sets and gets the file position,
measured from the beginning of the file,
to the position given by @id{offset} plus a base
specified by the string @id{whence}, as follows:
@description{
@item{@St{set}| base is position 0 (beginning of the file);}
@item{@St{cur}| base is current position;}
@item{@St{end}| base is end of file;}
}
In case of success, @id{seek} returns the final file position,
measured in bytes from the beginning of the file.
If @id{seek} fails, it returns @fail,
plus a string describing the error.

The default value
 for @id{whence} is @T{"cur"},
and for @id{offset} is 0.
Therefore, the call @T{file:seek()} returns the current
file position, without changing it;
the call @T{file:seek("set")} sets the position to the
beginning of the file (and returns 0);
and the call @T{file:seek("end")} sets the position to the
end of the file, and returns its size.

}

@LibEntry{file:setvbuf (mode [, size])|

Sets the buffering mode for a file.
There are three available modes:

@description{
@item{@St{no}| no buffering.}
@item{@St{full}| full buffering.}
@item{@St{line}| line buffering.}
}

For the last two cases,
@id{size} is a hint for the size of the buffer, in bytes.
The default is an appropriate size.

The specific behavior of each mode is non portable;
check the underlying @ANSI{setvbuf} in your platform for
more details.

}

@LibEntry{file:write (@Cdots)|

Writes the value of each of its arguments to @id{file}.
The arguments must be strings or numbers.

In case of success, this function returns @id{file}.

}

}

@sect2{oslib|
 @title{Operating System Facilities}

This library is implemented through table @defid{os}.

@LibEntry{os.clock ()|

Returns an approximation of the amount in seconds of CPU time
used by the program,
as returned by the underlying @ANSI{clock}.

}

@LibEntry{os.date ([format [, time]])|

Returns a string or a table containing date and time,
formatted according to the given string @id{format}.

If the @id{time} argument is present,
this is the time to be formatted

(see the @Lid{os.time} function for a description of this value).
Otherwise, @id{date} formats the current time.

If @id{format} starts with @Char{!},
then the date is formatted in Coordinated Universal Time.
After this optional character,
if @id{format} is the string @St{*t},
then @id{date} returns a table with the following fields:
@id{year}, @id{month} (1@En{}12), @id{day} (1@En{}31),
@id{hour} (0@En{}23), @id{min} (0@En{}59),
@id{sec} (0@En{}61, due to leap seconds),
@id{wday} (weekday, 1@En{}7, Sunday
 @N{is 1}),
@id{yday} (day of the year, 1@En{}366),
and @id{isdst} (daylight saving flag, a boolean).
This last field may be absent
if the information is not available.

If @id{format} is not @St{*t},
then @id{date} returns the date as a string,
formatted according to the same rules as the @ANSI{strftime}.

If @id{format} is absent, it defaults to @St{%c},
which gives a human-readable date and time representation
using the current locale.

On non-POSIX systems,
this function may be not @x{thread safe}
because of its reliance on @CId{gmtime} and @CId{localtime}.

}

@LibEntry{os.difftime (t2, t1)|

Returns the difference, in seconds,
from time @id{t1} to time @id{t2}
(where the times are values returned by @Lid{os.time}).
In @x{POSIX}, @x{Windows}, and some other systems,
this value is exactly @id{t2}@M{-}@id{t1}.

}

@LibEntry{os.execute ([command])|

This function is equivalent to the @ANSI{system}.
It passes @id{command} to be executed by an operating system shell.
Its first result is

@true
if the command terminated successfully,
or @fail otherwise.
After this first result
the function returns a string plus a number,
as follows:
@description{

@item{@St{exit}|
the command terminated normally;
the following number is the exit status of the command.
}

@item{@St{signal}|
the command was terminated by a signal;
the following number is the signal that terminated the command.
}

}

When called without a @id{command},
@id{os.execute} returns a boolean that is true if a shell is available.

}

@LibEntry{os.exit ([code [, close]])|

Calls the @ANSI{exit} to terminate the host program.
If @id{code} is @true,
the returned status is @idx{EXIT_SUCCESS};
if @id{code} is @false,
the returned status is @idx{EXIT_FAILURE};
if @id{code} is a number,
the returned status is this number.
The default value for @id{code} is @true.

If the optional second argument @id{close} is true,
the function closes the Lua state before exiting @seeF{lua_close}.

}

@LibEntry{os.getenv (varname)|

Returns
the value of the process environment variable @id{varname}
or @fail if the variable is not defined.

}

@LibEntry{os.remove (filename)|

Deletes the file (or empty directory, on @x{POSIX} systems)
with the given name.
If this function fails, it returns @fail
plus a string describing the error and the error code.
Otherwise, it returns true.

}

@LibEntry{os.rename (oldname, newname)|

Renames the file or directory named @id{oldname} to @id{newname}.
If this function fails, it returns @fail,
plus a string describing the error and the error code.
Otherwise, it returns true.

}

@LibEntry{os.setlocale (locale [, category])|

Sets the current locale of the program.
@id{locale} is a system-dependent string specifying a locale;
@id{category} is an optional string describing which category to change:
@T{"all"}, @T{"collate"}, @T{"ctype"},
@T{"monetary"}, @T{"numeric"}, or @T{"time"};
the default category is @T{"all"}.
The function returns the name of the new locale,
or @fail if the request
 cannot be honored.

If @id{locale} is the empty string,
the current locale is set to an implementation-defined native locale.
If @id{locale} is the string @St{C},
the current locale is set to the standard C locale.

When called with @nil as the first argument,
this function only returns the name of the current locale
for the given category.

This function may be not @x{thread safe}
because of its reliance on @CId{setlocale}.

}

@LibEntry{os.time ([table])|

Returns the current time when called without arguments,
or a time representing the local date and time specified by the given table.
This table must have fields @id{year}, @id{month}, and @id{day},
and may have fields
@id{hour} (default is 12),
@id{min} (default is 0),
@id{sec} (default is 0),
and @id{isdst} (default is @nil).
Other fields are ignored.
For a description of these fields, see the @Lid{os.date} function.

When the function is called,
the values in these fields do not need to be inside their valid ranges.
For instance,
if @id{sec} is -10,
it means 10 seconds before the time specified by the other fields;
if @id{hour} is 1000,
it means 1000 hours after the time specified by the other fields.

The returned value is a number, whose meaning depends on your system.
In @x{POSIX}, @x{Windows}, and some other systems,
this number counts the number
of seconds since some given start time (the @Q{epoch}).
In other systems, the meaning is not specified,
and the number returned by @id{time} can be used only as an argument to
@Lid{os.date} and @Lid{os.difftime}.

When called with a table,
@id{os.time} also normalizes all the fields
documented in the @Lid{os.date} function,
so that they represent the same time as before the call
but with values inside their valid ranges.

}

@LibEntry{os.tmpname ()|

Returns a string with a file name that can
be used for a temporary file.
The file must be explicitly opened before its use
and explicitly removed when no longer needed.

In @x{POSIX} systems,
this function also creates
a file with that name,
to avoid security risks.
(Someone else might create the file with wrong permissions
in the time between getting the name and creating the file.)

You still have to open the file to use it
and to remove it (even if you do not use it).

When possible,
you may prefer to use @Lid{io.tmpfile},
which automatically removes the file when the program ends.

}

}

@sect2{debuglib| @title{The Debug Library}

This library provides
the functionality of the @link{debugI|debug interface} to Lua programs.
You should exert care when using this library.
Several of its functions
violate basic assumptions about Lua code
(e.g., that variables local to a function
cannot be accessed from outside;
that userdata metatables cannot be changed by Lua code;
that Lua programs do not crash)
and therefore can compromise otherwise secure code.
Moreover, some functions in this library may be slow.

All functions in this library are provided
inside the @defid{debug} table.
All functions that operate
over a thread
have an optional first argument which is the
thread to operate over.
The default is always the current thread.

@LibEntry{debug.debug ()|

Enters an interactive mode with the user,
running each string that the user enters.
Using simple commands and other debug facilities,
the user can inspect global and local variables,
change their values, evaluate expressions, and so on.
A line containing only the word @id{cont} finishes this function,
so that the caller continues its execution.

Note that commands for @id{debug.debug} are not lexically nested
within any function and so have no direct access to local variables.

}

@LibEntry{debug.gethook ([thread])|

Returns the current hook settings of the thread, as three values:
the current hook function, the current hook mask,
and the current hook count,
as set by the @Lid{debug.sethook} function.

Returns @fail if there is no active hook.

}

@LibEntry{debug.getinfo ([thread,] f [, what])|

Returns a table with information
about a function.
You can give the function directly
or you can give a number as the value of @id{f},
which means the function running at level @id{f} of the call stack
of the given thread:
@N{level 0} is the current function (@id{getinfo} itself);
@N{level 1} is the function that called @id{getinfo}
(except for tail calls, which do not count in the stack);
and so on.
If @id{f} is a number greater than the number of active functions,
then @id{getinfo} returns @fail.

The returned table can contain all the fields returned by @Lid{lua_getinfo},
with the string @id{what} describing which fields to fill in.
The default for @id{what} is to get all information available,
except the table of valid lines.
If present,
the option @Char{f}
adds a field named @id{func} with the function itself.
If present,
the option @Char{L}
adds a field named @id{activelines} with the table of
valid lines.

For instance, the expression @T{debug.getinfo(1,"n").name} returns
a name for the current function,
if a
reasonable name can be found,
and the expression @T{debug.getinfo(print)}
returns a table with all available information
about the @Lid{print} function.

}

@LibEntry{debug.getlocal ([thread,] f, local)|

This function returns the name and the value of the local variable
with index @id{local} of the function at level @id{f} of the stack.
This function accesses not only explicit local variables,
but also parameters and temporary values.

The first parameter or local variable has @N{index 1}, and so on,
following the order that they are declared in the code,
counting only the variables that are active
in the current scope of the function.
Compile-time constants may not appear in this listing,
if they were optimized away by the compiler.
Negative indices refer to vararg arguments;
@num{-1} is the first vararg argument.
The function returns @fail
if there is no variable with the given index,
and raises an error when called with a level out of range.
(You can call @Lid{debug.getinfo} to check
whether the level is valid.)

Variable names starting with @Char{(} (open parenthesis) @C{)}
represent variables with no known names
(internal variables such as loop control variables,
and variables from chunks saved without debug information).

The parameter @id{f} may also be a function.
In that case, @id{getlocal} returns only the name of function parameters.

}

@LibEntry{debug.getmetatable (value)|

Returns the metatable of the given @id{value}
or @nil if it does not have a metatable.

}

@LibEntry{debug.getregistry ()|

Returns the registry table @see{registry}.

}

@LibEntry{debug.getupvalue (f, up)|

This function returns the name and the value of the upvalue

with index @id{up} of the function @id{f}.
The function returns @fail
if there is no upvalue with the given index.

(For Lua functions,
upvalues are the external local variables that the function uses,
and that are consequently included in its closure.)

For @N{C functions}, this function uses the empty string @T{""}
as
a name for all upvalues.

Variable name @Char{?} (interrogation mark)
represents variables with no known names
(variables from chunks saved without debug information).

}

@LibEntry{debug.getuservalue (u, n)|

Returns the @id{n}-th user value associated
to the userdata @id{u} plus a boolean,
@false if the userdata does not have that value.

}

@LibEntry{debug.sethook ([thread,] hook, mask [, count])|

Sets the given function as the debug hook.
The string @id{mask} and the number @id{count} describe
when the hook will be called.
The string mask may have any combination of the following characters,
with the given meaning:
@description{
@item{@Char{c}| the hook is called every time Lua calls a function;}
@item{@Char{r}| the hook is called every time Lua returns from a function;}
@item{@Char{l}| the hook is called every time Lua enters a new line of code.}
}
Moreover,
with a @id{count} different from zero,
the hook is called also after every @id{count} instructions.

When called without arguments,
@Lid{debug.sethook}
turns off the hook.

When the hook is called, its first parameter is a string
describing the event that has triggered its call:

@T{"call"}, @T{"tail call"}, @T{"return"},
@T{"line"}, and @T{"count"}.
For line events,
the hook also gets the new line number as its second parameter.
Inside a hook,
you can call @id{getinfo} with @N{level 2} to get more information about
the running function.
(@N{Level 0} is the @id{getinfo} function,
and @N{level 1} is the hook function.)

}

@LibEntry{debug.setlocal ([thread,] level, local, value)|

This function assigns the value @id{value} to the local variable
with index @id{local} of the function at level @id{level} of the stack.
The function returns @fail if there is no local
variable with the given index,
and raises an error when called with a @id{level} out of range.
(You can call @id{getinfo} to check whether the level is valid.)
Otherwise, it returns the name of the local variable.

See @Lid{debug.getlocal} for more
 information about
variable indices and names.

}

@LibEntry{debug.setmetatable (value, table)|

Sets the metatable for the given @id{value} to the given @id{table}
(which can be @nil).
Returns @id{value}.

}

@LibEntry{debug.setupvalue (f, up, value)|

This function assigns the value @id{value} to the upvalue
with index @id{up} of the function @id{f}.
The function returns @fail if there is no upvalue
with the given index.
Otherwise, it returns the name of the upvalue.

See @Lid{debug.getupvalue} for more information about upvalues.

}

@LibEntry{debug.setuservalue (udata, value, n)|

Sets the given @id{value} as
the @id{n}-th user value associated to the given @id{udata}.
@id{udata} must be a full userdata.

Returns @id{udata},
or @fail if the userdata does not have that value.

}

@LibEntry{debug.traceback ([thread,] [message [, level]])|

If @id{message} is present but is neither a string nor @nil,
this function returns @id{message} without further processing.
Otherwise,
it returns a
 string with a traceback of the call stack.
The optional @id{message} string is appended
at the beginning of the traceback.
An optional @id{level} number tells at which level
to start the traceback
(default is 1, the function calling @id{traceback}).

}

@LibEntry{debug.upvalueid (f, n)|

Returns a unique identifier (as a light userdata)
for the upvalue numbered @id{n}
from the given function.

These unique identifiers allow a program to check whether different
closures share upvalues.
Lua closures that share an upvalue
(that is, that access a same external local variable)
will return identical ids for those upvalue indices.

}

@LibEntry{debug.upvaluejoin (f1, n1, f2, n2)|

Make the @id{n1}-th upvalue of the Lua closure @id{f1}
refer to the @id{n2}-th upvalue of the Lua closure @id{f2}.

}

}

}

@C{---}
@sect1{lua-sa| @title{Lua Standalone}

Although Lua has been designed as an extension language,
to be embedded in
a host @N{C program},
it is also frequently used as a standalone language.
An interpreter for Lua as a standalone language,
called simply @id{lua},
is provided with the standard distribution.
The @x{standalone interpreter} includes
all standard libraries.
Its usage is:
@verbatim{
lua [options] [script [args]]
}
The options are:
@description{
@item{@T{-e @rep{stat}}| execute string @rep{stat};}
@item{@T{-i}| enter interactive mode after running @rep{script};}
@item{@T{-l @rep{mod}}| @Q{require} @rep{mod} and assign the
result to global @rep{mod};}
@item{@T{-l @rep{g=mod}}| @Q{require} @rep{mod} and assign the
result to global @rep{g};}
@item{@T{-v}| print version information;}
@item{@T{-E}| ignore environment variables;}
@item{@T{-W}| turn warnings on;}
@item{@T{--}| stop handling options;}
@item{@T{-}| execute @id{stdin} as a file and stop handling options.}
}
(The form @T{-l @rep{g=mod}} was introduced in @N{release 5.4.4}.)

After handling its options, @id{lua} runs the given @emph{script}.
When
called without arguments,
@id{lua} behaves as @T{lua -v -i}
when the standard input (@id{stdin}) is a terminal,
and as @T{lua -} otherwise.

When called without the option @T{-E},
the interpreter checks for an environment variable @defid{LUA_INIT_5_4}
(or @defid{LUA_INIT} if the versioned name is not defined)
before running any argument.
If the variable content has the format @T{@At@rep{filename}},

then @id{lua} executes the file.
Otherwise, @id{lua} executes the string itself.

When called with the option @T{-E},
Lua does not consult any environment variables.
In particular,
the values of @Lid{package.path} and @Lid{package.cpath}
are set with the default paths defined in @id{luaconf.h}.

The options @T{-e}, @T{-l}, and @T{-W} are handled in
the order they appear.
For instance, an invocation like
@verbatim{
$ lua -e 'a=1' -llib1 script.lua
}
will first set @id{a} to 1, then require the library @id{lib1},
and finally run the file @id{script.lua} with no arguments.
(Here
 @T{$} is the shell prompt. Your prompt may be different.)

Before running any code,
@id{lua} collects all command-line arguments
in a global table called @id{arg}.
The script name goes to index 0,
the first argument after the script name goes to index 1,
and so on.
Any arguments before the script name
(that is, the interpreter name plus its options)
go to negative indices.
For instance, in the call
@verbatim{
$ lua -la b.lua t1 t2
}
the table is like this:
@verbatim{
arg = { [-2] = "lua", [-1] = "-la",
      [0] = "b.lua",
      [1] = "t1", [2] = "t2" }
}
If there is no script in the call,
the interpreter name goes to index 0,
followed by the other arguments.
For instance, the call
@verbatim{
$ lua -e "print(arg[1])"
}
will print @St{-e}.
If there is a script,

the script is called with arguments
@T{arg[1]}, @Cdots, @T{arg[#arg]}.
Like all chunks in Lua,
the script is compiled as a variadic function.

In interactive mode,
Lua repeatedly prompts and waits for a line.
After reading
a line,
Lua first try to interpret the line as an expression.
If it succeeds, it prints its value.
Otherwise, it interprets the line as a statement.
If you write an incomplete statement,
the interpreter waits for its completion
by issuing a different prompt.

If the global variable @defid{_PROMPT} contains a string,
then its value is used as the prompt.
Similarly, if the global variable @defid{_PROMPT2} contains a string,
its value is used as the secondary prompt
(issued during incomplete statements).

In case of unprotected errors in the script,
the interpreter reports the error to the standard error stream.
If the error object is not a string but
has a metamethod @idx{__tostring},
the interpreter calls this metamethod to produce the final message.
Otherwise, the interpreter converts the error object to a string
and adds a stack traceback to it.
When warnings are on,
they are simply printed in the standard error output.

When finishing normally,
the interpreter closes its main Lua state
@seeF{lua_close}.
The
script can avoid this step by
calling @Lid{os.exit} to terminate.

To allow the use of Lua as a
script interpreter in Unix systems,
Lua skips the first line of a file chunk if it starts with @T{#}.
Therefore, Lua scripts can be made into executable programs
by using @T{chmod +x} and @N{the @T{#!}} form,
as in
@verbatim{
#!/usr/local/bin/lua
}

Of course,
the location of the Lua interpreter may be different in your machine.
If @id{lua} is in your @id{PATH},
then
@verbatim{
#!/usr/bin/env lua
}
is a more portable solution.

}

@sect1{incompat| @title{Incompatibilities with the Previous Version}

@simplesect{

Here we list the incompatibilities that you may find when moving a program
from @N{Lua 5.3} to @N{Lua 5.4}.

You can avoid some incompatibilities by compiling Lua with
appropriate options (see file @id{luaconf.h}).
However,
all these compatibility options will be removed in the future.
More often than not,
compatibility issues arise when these compatibility
options
are removed.
So, whenever you have the chance,
you should try to test your code with a version of Lua compiled
with all compatibility options turned off.
That will ease transitions to newer versions of Lua.

Lua versions can always change the C API in ways that
do not imply source-code changes in a program,
such as the numeric values for constants
or the implementation of functions as macros.
Therefore,
you should never assume that binaries are compatible between
different Lua versions.
Always recompile clients of the Lua API when
using a new version.

Similarly, Lua versions can always change the internal representation
of precompiled chunks;
precompiled chunks are not compatible between different Lua versions.

The standard paths in the official distribution may
change between versions.

}

@sect2{@title{Incompatibilities in the Language}
@itemize{

@item{
The coercion of strings to numbers in
arithmetic and bitwise operations
has been removed from the core language.
The string
 library does a similar job
for arithmetic (but not for bitwise) operations
using the string metamethods.
However, unlike in previous versions,
the new implementation preserves the implicit type of the numeral
in the string.
For instance, the result of @T{"1" + "2"} now is an integer,
not a float.
}

@item{
Literal decimal integer constants that overflow are read as floats,
instead of wrapping around.
You can use hexadecimal notation for such constants if you
want the old behavior
(reading them as integers with wrap around).
}

@item{
The use of the @idx{__lt} metamethod to emulate @idx{__le}
has been removed.
When needed, this metamethod must be explicitly defined.
}

@item{
The semantics of the numerical @Rw{for} loop
over integers changed in some details.
In particular, the control variable never wraps around.
}

@item{
A label for a @Rw{goto} cannot be declared where a label with the same
name is visible, even if this other label is declared in an enclosing
block.
}

@item{

When
finalizing an object,
Lua does not ignore @idx{__gc} metamethods that are not functions.
Any value will be called, if present.
(Non-callable values will generate a warning,
like any other error when calling a finalizer.)
}

}

}

@sect2{@title{Incompatibilities in the Libraries}
@itemize{

@item{
The function @Lid{print} does not call @Lid{tostring}
to format its arguments;
instead, it has this functionality hardwired.
You should use @idx{__tostring} to modify how values are printed.
}

@item{
The pseudo-random number generator used by the function @Lid{math.random}
now starts with a somewhat random seed.
Moreover, it uses a different algorithm.
}

@item{
By default, the decoding functions in the @Lid{utf8} library
do not accept surrogates as valid code points.
An extra parameter in these functions makes them more permissive.
}

@item{
The options @St{setpause} and @St{setstepmul}
of the function @Lid{collectgarbage} are deprecated.
You should use the new option @St{incremental} to set
them.
}

@item{
The function @Lid{io.lines} now returns four values,
instead of just one.
That can be a problem when it is used as the sole
argument to another function that has optional parameters,
such as in @T{load(io.lines(filename, "L"))}.
To fix that issue,

you can wrap the call into parentheses,
to adjust its number of results to one.
}

}

}

@sect2{@title{Incompatibilities in the API}

@itemize{

@item{
Full userdata now has an arbitrary number of associated user values.
Therefore, the functions @id{lua_newuserdata},
@id{lua_setuservalue}, and @id{lua_getuservalue} were
replaced by @Lid{lua_newuserdatauv},
@Lid{lua_setiuservalue}, and @Lid{lua_getiuservalue},
which have an extra argument.

For compatibility, the old names still work as macros assuming
one single user value.
Note, however, that userdata with zero user values
are more efficient memory-wise.
}

@item{
The function @Lid{lua_resume} has an extra parameter.
This out parameter returns the number of values on
the top
 of the stack that were yielded or returned by the coroutine.
(In previous versions,
those values were the entire stack.)
}

@item{
The function @Lid{lua_version} returns the version number,
instead of an address of the version number.
The Lua core should work correctly with libraries using their
own static copies of the same core,
so there is no need to check whether they are using the same
address space.
}

@item{
The constant @id{LUA_ERRGCMM} was removed.
Errors in finalizers are never propagated;
instead, they generate a warning.

```
}

@item{
The options @idx{LUA_GCSETPAUSE} and @idx{LUA_GCSETSTEPMUL}
of the function @Lid{lua_gc} are deprecated.
You should use the new option @id{LUA_GCINC} to set them.
}

}

}

}


@C{[=============================================================}

@sect1{BNF| @title{The Complete Syntax of Lua}

Here is the complete syntax of Lua in extended BNF.
As usual in extended BNF,
@bnfNter{{A}} means 0 or more @bnfNter{A}s,
and @bnfNter{[A]} means an optional
 @bnfNter{A}.
(For operator precedences, see @See{prec};
for a description of the terminals
@bnfNter{Name}, @bnfNter{Numeral},
and @bnfNter{LiteralString}, see @See{lexical}.)
@index{grammar}

@Produc{

@producname{chunk}@producbody{block}

@producname{block}@producbody{@bnfrep{stat} @bnfopt{retstat}}

@producname{stat}@producbody{
 @bnfter{;}
@OrNL varlist @bnfter{=} explist
@OrNL functioncall
@OrNL label
@OrNL   @Rw{break}
@OrNL   @Rw{goto} Name
@OrNL @Rw{do} block @Rw{end}
@OrNL @Rw{while} exp @Rw{do} block @Rw{end}
@OrNL @Rw{repeat} block @Rw{until} exp
@OrNL @Rw{if} exp @Rw{then} block
 @bnfrep{@Rw{elseif} exp @Rw{then} block}
```

```
 @bnfopt{@Rw{else} block} @Rw{end}
@OrNL @Rw{for} @bnfNter{Name} @bnfter{=} exp @bnfter{,} exp @bnfopt{@bnfter{,} exp}
 @Rw{do} block @Rw{end}
@OrNL   @Rw{for} namelist @Rw{in} explist @Rw{do} block @Rw{end}
@OrNL @Rw{function} funcname funcbody
@OrNL @Rw{local} @Rw{function} @bnfNter{Name} funcbody
@OrNL @Rw{local} attnamelist @bnfopt{@bnfter{=} explist}
}

@producname{attnamelist}@producbody{
  @bnfNter{Name} attrib @bnfrep{@bnfter{,} @bnfNter{Name} attrib}}

@producname{attrib}@producbody{@bnfopt{@bnfter{<} @bnfNter{Name} @bnfter{>}}}

@producname{retstat}@producbody{@Rw{return}
                        @bnfopt{explist} @bnfopt{@bnfter{;}}}

@producname{label}@producbody{@bnfter{::} Name @bnfter{::}}

@producname{funcname}@producbody{@bnfNter{Name} @bnfrep{@bnfter{.} @bnfNter{Name}}
                    @bnfopt{@bnfter{:} @bnfNter{Name}}}

@producname{varlist}@producbody{var @bnfrep{@bnfter{,} var}}

@producname{var}@producbody{
 @bnfNter{Name}
@Or prefixexp @bnfter{[} exp @bnfter{]}
@Or prefixexp @bnfter{.} @bnfNter{Name}
}

@producname{namelist}@producbody{@bnfNter{Name} @bnfrep{@bnfter{,} @bnfNter{Name}}}


@producname{explist}@producbody{exp @bnfrep{@bnfter{,} exp}}

@producname{exp}@producbody{
 @Rw{nil}
@Or @Rw{false}
@Or @Rw{true}
@Or @bnfNter{Numeral}
@Or @bnfNter{LiteralString}
@Or @bnfter{...}
@Or functiondef
@OrNL prefixexp
@Or tableconstructor
@Or exp
 binop exp
@Or unop exp
```

```
}

@producname{prefixexp}@producbody{var @Or functioncall @Or @bnfter{(} exp @bnfter{)}}

@producname{functioncall}@producbody{
 prefixexp args
@Or prefixexp @bnfter{:} @bnfNter{Name} args
}

@producname{args}@producbody{
 @bnfter{(} @bnfopt{explist} @bnfter{)}
@Or tableconstructor
@Or @bnfNter{LiteralString}
}

@producname{functiondef}@producbody{@Rw{function} funcbody}

@producname{funcbody}@producbody{@bnfter{(} @bnfopt{parlist} @bnfter{)} block @Rw{end}}

@producname{parlist}@producbody{namelist @bnfopt{@bnfter{,} @bnfter{...}}
 @Or @bnfter{...}}

@producname{tableconstructor}@producbody{@bnfter{@Open} @bnfopt{fieldlist} @bnfter{@Close}}

@producname{fieldlist}@producbody{field @bnfrep{fieldsep field} @bnfopt{fieldsep}}

@producname{field}@producbody{@bnfter{[} exp @bnfter{]} @bnfter{=} exp @Or @bnfNter{Name}
@bnfter{=} exp @Or exp}

@producname{fieldsep}@producbody{@bnfter{,} @Or @bnfter{;}}

@producname{binop}@producbody{
  @bnfter{+} @Or @bnfter{-} @Or @bnfter{*} @Or @bnfter{/} @Or @bnfter{//}
  @Or @bnfter{^} @Or @bnfter{%}
     @OrNL
 @bnfter{&} @Or @bnfter{~} @Or @bnfter{|} @Or @bnfter{>>} @Or @bnfter{<<}
  @Or @bnfter{..}
     @OrNL
 @bnfter{<} @Or @bnfter{<=} @Or @bnfter{>} @Or @bnfter{>=}
  @Or @bnfter{==} @Or @bnfter{~=}
     @OrNL
 @Rw{and} @Or @Rw{or}}

@producname{unop}@producbody{@bnfter{-} @Or @Rw{not} @Or @bnfter{#} @Or
 @bnfter{~}}

}
```

```
}

@C{]==========================================================}

}
@C{)]----------------------------------------------------------------}
```

Found in path(s):
* /lua-lua-v5-4-6-0-g6443185-tar-gz/lua-lua-6443185/manual/manual.of
No license file was found, but licenses were detected in source scan.

```
--[[
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```

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1.186 free-type 2.13.2

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#
Don't put empty lines into this file!
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h

src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/ftzconf.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
subprojects/dlg
#
#
EOF

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1.188 cyrus-sasl 2.1.28

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1.190 util-linux 2.38

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NR START END SECTORS SIZE NAME UUID
1 32 7679 7648 3.7M 8f8378c0-01
2 7680 16383 8704 4.3M 8f8378c0-02
5 7936 12799 4864 2.4M

6 12544 16127 3584 1.8M

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```
#!/usr/bin/env bash
# MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
# This script will read the license file into memory, strip out the copyright, and then
# generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e

calculate_md5_sum() {
 local FILE="$1"

 # Read the contents of the file into a variable
```

```
 local raw_license_text=$(<"$FILE")

 # Convert to lowercase
 local lowercase_license_text="${raw_license_text,,}"

 # Remove anything before the beginning of the license
 local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")

 # Replace line breaks (Windows or Linux) with a single space
 local replaced_linebreaks=$(tr '\r\n' ' ' <<< "$stripped_license_text")

 # Replace multiple spaces with a single space
 local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")

 # Strip away any non-printable, non-whitespace characters
 local clean_unprintable_license_text=$(tr
 -cd '[:print:][:space:]' <<< "$normalized_license_text")

 # Remove punctuation and special characters
 local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z ]//g')

 # Calculate the MD5 sum of the cleaned license text
 local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')

 # Output the MD5 sum
 echo "$MD5SUM"
}

# Check if the FILE argument is provided
if [ -z "$1" ]; then
 echo "Please provide a FILE as an argument."
 exit 1
fi

# Invoke the function with the provided FILE argument
calculate_md5_sum "$1"
WEV @@ WEV[B  "1
x   ?"U@,5  @mISmIN<GimCN7g1u|E
43mI,5WEV @@ WEV   @mImImIAmImImI0mImImI*mImI
A0mImImI...
lost+found...

;9GimCN7g

!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~

!"#$%&'()*+,-
```

./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~

!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~

!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~WEV @@
WEV[B "1
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pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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1.192 e2fsprogs 1.46.5

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
 @echo " MKDIR pic"
 @mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:  $(BSD_LIB)

$(BSD_LIB): $(OBJS)
 (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
 $(MV) pic/$(BSD_LIB) .
 $(RM) -f ../$(BSD_LIB)
```

```
 (cd ..; $(LN) $(LINK_BUILD_FLAGS) \
  `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
 @echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
 @$(INSTALL_PROGRAM) $(BSD_LIB) \
  $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
 @-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
 $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
 $(RM)
 -rf pic
 $(RM) -f $(BSD_LIB)
 $(RM) -f ../$(BSD_LIB)
```

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Index: tdbsa/tdb.c
===
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
 /*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
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Gadi Oxman, August 1995

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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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1.195 wget 1.21.4

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1.196 sysstat 12.4.5

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1.197 rsync 3.2.5

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Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language
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  LLVM Team

  University of Illinois at Urbana-Champaign

  http://llvm.org

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1.203 cracklib 2.9.8

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[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

> Re: [Cracklib-devel] cracklib license
> From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.=20
>
> -- Nathan
> =20
> ---
> Nathan Neulinger EMail: nneul@um...
> University of Missouri - Rolla Phone: (573) 341-6679
> UMR Information Technology Fax: (573) 341-4216
>
> > -----Original Message-----
> > From: cracklib-devel-bounces@li...
> > [mailto:cracklib-devel-bounces@li...] On Behalf Of
> > Mike Frysinger
> > Sent: Monday, October 01, 2007 8:15 PM
> > To: cracklib-devel@li...
> > Subject: [Cracklib-devel] cracklib license
> >=20
> > looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan
wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel]
cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
> directly
> > and see if he wants to relicense his code as LGPL... but at this
> point,
> > it was enough to just get it consistent and documented as to what
> it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
>=20
> the original license (before moving to sourceforge -- aka, 2.7) was
> not
> GPL-2 ... it was a modified artistic license ... i didnt notice the
> license
> change until it was mentioned in the latest notes.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isnt the
> place of a
> library
to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.
>
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using
the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
>
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.

>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October
2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the
interests of wider acceptance and more modern licensing, it was switched with
the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed
as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address
that was used at the time. For any future emails regarding this, please
use nneul@neulinger.org.

From

alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
 Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
 Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
 by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
 by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
 by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
 for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from
 [82.68.43.14] (helo=[192.168.1.3])
 by rutherford.zen.co.uk with esmtp (Exim 4.50)
 id 1IcOcX-0004Qt-6L
 for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
 585
Lines: 21

>
> ---------- Forwarded message ----------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk

>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.204 pam 1.5.2

1.204.1 Available under license :

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

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decide to use it. You
can use it too, but we suggest you first think carefully about whether
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strategy to use in any particular case, based on the explanations
below.

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^L
Finally, software
patents pose a constant threat to the existence of
any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work
that uses the
library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute
the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
^L
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a)
Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system,

rather than copying library functions into the executable, and (2) will
operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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b) Give prominent notice with the combined library of the fact

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machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
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If distribution of object code is made by offering access to copy
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uses the
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the
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a) Accompany
the work with the complete corresponding
machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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properly with a modified version of the library, if
the user installs one, as long as the modified version is

interface-compatible with the version that the work was made with.

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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available free
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long as you offer spare parts or customer support for that product
model, to give anyone who possesses the object code either (1) a
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"Source code" for a work means the preferred form of the work for

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Version 3, 29 June 2007

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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Upstream-Status: Inappropriate [licensing]

diff --git a/COPYING b/COPYING
new file mode 100644
index 0000000..d511905
--- /dev/null
+++ b/COPYING
@@ -0,0 +1,339 @@
+ GNU GENERAL PUBLIC LICENSE
+ Version 2, June 1991
+
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Found in path(s):
* /keymaps-1-0-r31-tar-bz2/keymaps-1.0-r31/GPLv2.patch

1.218 tunctl 1.5

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Name: tunctl
Version: 1.5
Release: 1
Summary: Create and remove virtual network interfaces

Group: Applications/System
License: GPL+
URL: http://tunctl.sourceforge.net/
Source0: http://downloads.sourceforge.net/tunctl/tunctl-%{version}.tar.gz
BuildRoot: %{_tmppath}/%{name}-%{version}-%{release}-root-%(%{__id_u} -n)

BuildRequires: docbook-utils

%description
Virtual network interface manipulation tool from User Mode Linux project.

%prep
%setup

%build
make

%install
rm -rf $RPM_BUILD_ROOT
make DESTDIR=$RPM_BUILD_ROOT install

%clean
rm -rf $RPM_BUILD_ROOT

%files
%defattr(-,root,root,-)
%{_mandir}/man8/tunctl.8*
%{_sbindir}/tunctl
%doc ChangeLog

%changelog
* Wed Jul 9 2008 Henrik Nordstrom <henrik@henriknordstrom.net> 1.5-1
- Update to version 1.5

* Tue Jul 8 2008 Henrik Nordstrom <henrik@henriknordstrom.net> 1.4-3
- Packaged tunctl as a upstream
 package of it's own

* Tue Mar 25 2008 Lubomir Kundrak <lkundrak@redhat.com> 1.4-2
- Move to sbin (Marek Mahut, #434583)

* Fri Feb 22 2008 Lubomir Kundrak <lkundrak@redhat.com> 1.4-1
- Initial packaging

Found in path(s):
* /tunctl-1-5-1-tar-gz/tunctl-1.5/tunctl.spec
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/* Copyright 2002 Jeff Dike
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Found in path(s):
* /tunctl-1-5-1-tar-gz/tunctl-1.5/tunctl.c

1.219 gawk 5.1.1

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[This is the first released version of the library GPL. It is
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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section 10
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1.229 cpprest 2.10.18

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Ren Nyffenegger rene.nyffenegger@adp-gmbh.ch

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root
function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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1.231 libvirt 8.1.0

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1.235 stunnel 5.65

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language
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1.241 open-ldap 2.5.16

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David Gibson <david@gibson.dropbear.id.au>
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-- vile: txtmode file-encoding=utf-8

1.244 python3-pycparser 2.21

1.244.1 Available under license :

pycparser -- A C parser in Python

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1.245 multipart-parser-c NA

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*/

Found in path(s):
* /multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.h
* /multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.c

1.246 ethtool 6.9

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1.247 msmtp 1.8.20

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*   -grayscale, -rgba, -nonstd, VGA modes reporting
*
* Brad Midgley <brad@exodus.pht.com>:
*   -match
*
*/

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1.252 gdbm 1.11

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1.254 csrp 1.0

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1.255 mongoose-web-server 3.5

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1.256 openssh 9.8p1

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*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
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1.257 kerberos 1.17.2

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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
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lib/gssapi/mechglue/mglueP.h
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lib/gssapi/spnego/gssapiP_spnego.h
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lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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1.261 traceroute 2.1.3

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```
org/icu/commit/0001f6c5e92f6f3a8d66c7dbc47cc24df7633a71)
for
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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 =

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1.264 gpt-fdisk 1.0.8

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1.265 libtraceevent 1.8.2

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libtraceevent(3)
==========

NAME
----
tep_get_any_field_val, tep_get_common_field_val, tep_get_field_val,
tep_get_field_raw - Get value of a field.

SYNOPSIS

[verse]
--
#include <event-parse.h>
#include <trace-seq.h>

int *tep_get_any_field_val*(struct trace_seq pass:[*]_s_, struct tep_event pass:[*]_event_, const char
pass:[*]_name_, struct tep_record pass:[*]_record_, unsigned long long pass:[*]_val_, int _err_);
int *tep_get_common_field_val*(struct trace_seq pass:[*]_s_, struct tep_event pass:[*]_event_, const char
pass:[*]_name_, struct tep_record pass:[*]_record_, unsigned long long pass:[*]_val_, int _err_);
int *tep_get_field_val*(struct trace_seq pass:[*]_s_, struct tep_event pass:[*]_event_, const char pass:[*]_name_,
struct tep_record pass:[*]_record_, unsigned long long pass:[*]_val_, int _err_);
void pass:[*]*tep_get_field_raw*(struct trace_seq pass:[*]_s_, struct tep_event pass:[*]_event_,
const char pass:[*]_name_, struct tep_record pass:[*]_record_, int pass:[*]_len_, int _err_);
--

DESCRIPTION

These functions can be used to find a field and retrieve its value.

The *tep_get_any_field_val()* function searches in the _record_ for a field
with _name_, part of the _event_. If the field is found, its value is stored in
val. If there is an error and _err_ is not zero, then an error string is
written into _s_.

The *tep_get_common_field_val()* function does the same as
tep_get_any_field_val(), but searches only in the common fields. This works
for any event as all events include the common fields.

The *tep_get_field_val()* function does the same as *tep_get_any_field_val()*,
but searches only in the event specific fields.

The *tep_get_field_raw()* function searches in the _record_ for a field with
name, part of the _event_. If the field is found, a pointer to where the field
exists in the record's raw data is returned. The size of the data is stored
in
len. If there is an error and _err_ is not zero, then an error string is
written into _s_.

RETURN VALUE

The *tep_get_any_field_val()*, *tep_get_common_field_val()* and
tep_get_field_val() functions return 0 on success, or -1 in case of an error.

The *tep_get_field_raw()* function returns a pointer to field's raw data, and
places the length of this data in _len_. In case of an error NULL is returned.

EXAMPLE

[source,c]
--
```
#include <event-parse.h>
#include <trace-seq.h>
...
struct tep_handle *tep = tep_alloc();
...
struct tep_event *event = tep_find_event_by_name(tep, "kvm", "kvm_exit");
...
void process_record(struct tep_record *record)
{
 int len;
 char *comm;
 struct tep_event *event;
 unsigned long long val;

 event = tep_find_event_by_record(tep, record);
 if (event != NULL) {
  if (tep_get_common_field_val(NULL, event, "common_type",
         record, &val, 0) == 0) {
   /* Got the value of common type field */
  }
  if (tep_get_field_val(NULL, event,
 "pid", record, &val, 0) == 0) {
   /* Got the value of pid specific field */
  }
  comm = tep_get_field_raw(NULL, event, "comm", record, &len, 0);
  if (comm != NULL) {
   /* Got a pointer to the comm event specific field */
  }
 }
}
```
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.

trace-seq.h
 Header file to include in order to have access to trace sequences
 related APIs. Trace sequences are used to allow a function to call
 several other functions to create a string of data to use.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
REPORTING BUGS

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RESOURCES
----
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libtraceevent(3)
================

NAME
----
tep_set_loglevel - Set log level of the library

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum *tep_loglevel* {
 TEP_LOG_NONE = 0,
 TEP_LOG_CRITICAL,
 TEP_LOG_ERROR,
 TEP_LOG_WARNING,
 TEP_LOG_INFO,
 TEP_LOG_DEBUG,
 TEP_LOG_ALL
};

int *tep_set_loglevel*(enum tep_loglevel _level_);

--
DESCRIPTION

The *tep_set_loglevel()* function sets the level of the library logs that will be printed
on the console. Library log levels are:
[verse]
--
 _TEP_LOG_NONE_ - Do not print any logs.
 _TEP_LOG_CRITICAL_ - Print critical logs, problem that may cause a crash.
 _TEP_LOG_ERROR_ - Print error logs, problem that could break the main logic of an API.
 _TEP_LOG_WARNING_ - Print warnings, problem that could limit the result of an API.
 _TEP_LOG_INFO_ - Print information about normal execution of an API.
 _TEP_LOG_DEBUG_ - Print debug information.
 _TEP_LOG_ALL_
 - Print logs from all levels.
--
Setting the log level to specific value means that logs from the previous levels will be printed
too. For example _TEP_LOG_WARNING_ will print any logs with severity _TEP_LOG_WARNING_,
_TEP_LOG_ERROR_ and _TEP_LOG_CRITICAL_. The default log level is _TEP_LOG_CRITICAL_.

EXAMPLE

[source,c]
--
#include <event-parse.h>

tep_set_loglevel(TEP_LOG_ALL);
...
/* call libtraceevent APIs and observe any logs they produce */
...
tep_set_loglevel(TEP_LOG_CRITICAL);
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
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libtraceevent(3)
================

NAME
----
kbuffer_timestamp, kbuffer_subbuf_timestamp -
Functions that read various data of a kbuffer descriptor

SYNOPSIS

[verse]

--
#include <kbuffer.h>

unsigned long long *kbuffer_timestamp*(struct kbuffer pass:[*]_kbuf_);
unsigned long long *kbuffer_subbuf_timestamp*(struct kbuffer pass:[*]_kbuf_, void pass:[*]_subbuf_);
--

DESCRIPTION

The function *kbuffer_timestamp()* returns the timestamp of the current event of _kbuf_.

The function *kbuffer_subbuf_timestamp()* returns the timestamp for the sub-buffer
that was loaded in _kbuf_. This usually is (but not guaranteed to be) the timestamp
of the first event on the sub-buffer.

The function *kbuffer_start_of_data()* returns the offset of where the delta

RETURN VALUE
---
kbuffer_read_event() returns the event that the _kbuf_ descriptor is currently at,
or NULL if the last event was passed (by *kbuffer_next_event()*).

kbuffer_next_event()
returns the next event after the current event or NULL if there
are no more events.

kbuffer_read_at_offset() returns the event at a given _offset_ from the start of
the sub-buffer stored in _kbuf_, or NULL if there exists no event. Note, _offset_
only needs to be an offset that lands on the record, or is at the start of it. It does
not need to be exactly at the beginning of the record.

kbuffer_missed_events() returns 0 if there were no missed events before loaded sub-buffer.
Returns -1 if there were an unknown number of missed events, or if the number of missed events
is known, that number will be returned.

kbuffer_event_size() returns the size of the data payload of the current event of _kbuf_.

kbuffer_curr_size() returns the size of the entire record of the current event of _kbuf_.
This includes the size of the meta data for that record.

kbuf_curr_offset() returns the offset of the current record from the beginning of the
kbuf
sub-buffer.

kbuf_curr_index() returns the index of the current record from the beginning of the _kbuf_
data section.

EXAMPLE

[source,c]
--
```
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>
#include <sys/stat.h>

#include <kbuffer.h>

int main (int argc, char **argv)
{
 unsigned long long ts;
 struct kbuffer *kbuf;
 struct stat st;
 char *buf;
 void *event;
 int save_offset = -1;
 int record_size;
 int offset;
 int index;
 int size;
 int ret;
 int fd;
 int i = 0;

 if (argc < 2) {
  printf("usage: %s raw-subbuffer-page\n", argv[0]);
  printf(" Try: dd count=1 bs=4096 if=/sys/kernel/tracing/per_cpu/cpu0/trace_pipe_raw of=/tmp/file\n");
  exit(0);
 }

 if (stat(argv[1], &st) < 0) {
  perror("stat");
  exit(-1);
 }

 buf = malloc(st.st_size);
 if (!buf) {
  perror("Allocating buffer");
  exit(-1);
 }

 fd = open(argv[1], O_RDONLY);
 if (fd < 0) {
  perror(argv[1]);
  exit(-1);
```

```
}

ret = read(fd, buf, st.st_size);
if (ret < 0) {
 perror("Reading
buffer");
 exit(-1);
}
close(fd);

kbuf = kbuffer_alloc(KBUFFER_ENDIAN_SAME_AS_HOST,
      KBUFFER_LSIZE_SAME_AS_HOST);
if (!kbuf) {
 perror("Creating kbuffer");
 exit(-1);
}
ret = kbuffer_load_subbuffer(kbuf, buf);
if (ret < 0) {
 perror("Loading sub bufer");
 exit(-1);
}

if (kbuffer_subbuffer_size(kbuf) > st.st_size) {
 fprintf(stderr, "kbuffer is bigger than raw size %d > %ld\n",
  kbuffer_subbuffer_size(kbuf), st.st_size);
 exit(-1);
}

ret = kbuffer_missed_events(kbuf);
if (ret) {
 if (ret > 0)
  printf("Missed %d events before this buffer\n", ret);
 else
  printf("Missed unknown number of events before this buffer\n");
}
do {
 event = kbuffer_read_event(kbuf, &ts);
 if (event) {
  record_size = kbuffer_curr_size(kbuf);
  offset = kbuffer_curr_offset(kbuf);
  index = kbuffer_curr_index(kbuf);
  size = kbuffer_event_size(kbuf);

  if (i == 20)
   save_offset = offset;
  printf(" event %3d ts:%lld\trecord_size:%d size:%d\tindex:%d offset:%d\n",
```

```
      i++, ts, record_size, size, index, offset);
  event = kbuffer_next_event(kbuf, NULL);
 }
} while (event);

if (!event)
 printf("Finished sub buffer\n");

if (save_offset > 0) {
 event = kbuffer_read_at_offset(kbuf, save_offset, &ts);
 if (!event) {
  fprintf(stderr, "Funny, can't find event 20 at offset %d\n", save_offset);
  exit(-1);
 }
 record_size = kbuffer_curr_size(kbuf);
 offset = kbuffer_curr_offset(kbuf);
 index = kbuffer_curr_index(kbuf);
 size = kbuffer_event_size(kbuf);

 printf("\n saved event 20 ts:%lld\trecord_size:%d size:%d\tindex:%d offset:%d\n\n",
        ts, record_size, size, index, offset);
}
kbuffer_free(kbuf);

return 0;
}
```
--

FILES

[verse]

--

event-parse.h

Header file to include in order to have access to the library APIs.

-ltraceevent

Linker switch to add when building a program that uses the library.

--

SEE ALSO

---

libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]

--

Steven Rostedt <rostedt@goodmis.org>,

author of *libtraceevent*.

--

REPORTING BUGS

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LICENSE
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RESOURCES
---
https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

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libtraceevent(3)
==========

NAME
---
tep_list_events, tep_list_events_copy -
Get list of events, sorted by given criteria.

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum *tep_event_sort_type* {
 _TEP_EVENT_SORT_ID_,
 _TEP_EVENT_SORT_NAME_,
 _TEP_EVENT_SORT_SYSTEM_,
};

struct tep_event pass:[*]pass:[*]*tep_list_events*(struct tep_handle pass:[*]_tep_, enum tep_event_sort_type _sort_type_);
struct tep_event pass:[*]pass:[*]*tep_list_events_copy*(struct tep_handle pass:[*]_tep_, enum tep_event_sort_type _sort_type_);
--

DESCRIPTION

The *tep_list_events()* function returns an array of pointers to the events,
sorted by the _sort_type_ criteria. The last element of the array is NULL.
The returned memory must not be freed, it is managed by the library.
The function is not thread safe. The _tep_ argument is trace event parser

context. The _sort_type_ argument is the required sort criteria:
[verse]
--
 _TEP_EVENT_SORT_ID_ -
 sort by the event ID.
 _TEP_EVENT_SORT_NAME_ - sort by the event (name, system, id) triplet.
 _TEP_EVENT_SORT_SYSTEM_ - sort by the event (system, name, id) triplet.
--

The *tep_list_events_copy()* is a thread safe version of _tep_list_events()_.
It has the same behavior, but the returned array is allocated internally and
must be freed by the caller. Note that the content of the array must not be
freed (see the EXAMPLE below).

RETURN VALUE

The *tep_list_events()* function returns an array of pointers to events.
In case of an error, NULL is returned. The returned array must not be freed,
it is managed by the library.

The *tep_list_events_copy()* function returns an array of pointers to events.
In case of an error, NULL is returned. The returned array must be freed by
the caller.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
int i;
struct tep_event_format **events;

i=0;
events =
 tep_list_events(tep, TEP_EVENT_SORT_ID);
if (events == NULL) {
 /* Failed to get the events, sorted by ID */
} else {
 while(events[i]) {
  /* walk through the list of the events, sorted by ID */
  i++;
 }
}

i=0;

```
events = tep_list_events_copy(tep, TEP_EVENT_SORT_NAME);
if (events == NULL) {
 /* Failed to get the events, sorted by name */
} else {
 while(events[i]) {
  /* walk through the list of the events, sorted by name */
  i++;
 }
 free(events);
}

...
```
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
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RESOURCES
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libtraceevent(3)
==========

NAME
----
tep_register_comm, tep_override_comm, tep_is_pid_registered,
tep_data_comm_from_pid, tep_data_pid_from_comm, tep_cmdline_pid -
Manage pid to process name mappings.

SYNOPSIS

[verse]
--
#include <event-parse.h>

int *tep_register_comm*(struct tep_handle pass:[*]_tep_, const char pass:[*]_comm_, int _pid_);
int *tep_override_comm*(struct tep_handle pass:[*]_tep_, const char pass:[*]_comm_, int _pid_);
bool *tep_is_pid_registered*(struct tep_handle pass:[*]_tep_, int _pid_);
const char pass:[*]*tep_data_comm_from_pid*(struct tep_handle pass:[*]_pevent_, int _pid_);
struct cmdline pass:[*]*tep_data_pid_from_comm*(struct tep_handle pass:[*]_pevent_, const char pass:[*]_comm_,
struct cmdline pass:[*]_next_);
int *tep_cmdline_pid*(struct tep_handle pass:[*]_pevent_, struct cmdline pass:[*]_cmdline_);
--

DESCRIPTION

These functions can be used to handle the
 mapping between pid and process name.
The library builds a cache of these mappings, which is used to display the name
of the process, instead of its pid. This information can be retrieved from
tracefs/saved_cmdlines file.

The *tep_register_comm()* function registers a _pid_ / process name mapping.
If a command with the same _pid_ is already registered, an error is returned.
The _pid_ argument is the process ID, the _comm_ argument is the process name,
tep is the event context. The _comm_ is duplicated internally.

The *tep_override_comm()* function registers a _pid_ / process name mapping.
If a process with the same pid is already registered, the process name string is
udapted with the new one. The _pid_ argument is the process ID, the _comm_
argument is the process name, _tep_ is the event context. The _comm_ is
duplicated internally.

The *tep_is_pid_registered()* function checks if a pid has a process name

mapping registered. The _pid_ argument is the process ID, _tep_ is the event context.

The
tep_data_comm_from_pid() function returns the process name for a given pid. The _pid_ argument is the process ID, _tep_ is the event context.
The returned string should not be freed, but will be freed when the _tep_ handler is closed.

The *tep_data_pid_from_comm()* function returns a pid for a given process name.
The _comm_ argument is the process name, _tep_ is the event context.
The argument _next_ is the cmdline structure to search for the next pid.
As there may be more than one pid for a given process, the result of this call can be passed back into a recurring call in the _next_ parameter, to search for the next pid. If _next_ is NULL, it will return the first pid associated with the _comm_. The function performs a linear search, so it may be slow.

The *tep_cmdline_pid()* function returns the pid associated with a given _cmdline_. The _tep_ argument is the event context.

RETURN VALUE
---
tep_register_comm() function returns 0 on success. In case of
an error -1 is
returned and errno is set to indicate the cause of the problem: ENOMEM, if there is not enough memory to duplicate the _comm_ or EEXIST if a mapping for this _pid_ is already registered.

tep_override_comm() function returns 0 on success. In case of an error -1 is returned and errno is set to indicate the cause of the problem: ENOMEM, if there is not enough memory to duplicate the _comm_.

tep_is_pid_registered() function returns true if the _pid_ has a process name mapped to it, false otherwise.

tep_data_comm_from_pid() function returns the process name as string, or the string "<...>" if there is no mapping for the given pid.

tep_data_pid_from_comm() function returns a pointer to a struct cmdline, that holds a pid for a given process, or NULL if none is found. This result can be passed back into a recurring call as the _next_ parameter of the function.

tep_cmdline_pid() functions returns the pid for the give cmdline. If _cmdline_ is NULL, then -1 is returned.

EXAMPLE

The

following example registers pid for command "ls", in context of event _tep_
and performs various searches for pid / process name mappings:
[source,c]
--
#include <event-parse.h>
...
int ret;
int ls_pid = 1021;
struct tep_handle *tep = tep_alloc();
...
ret = tep_register_comm(tep, "ls", ls_pid);
if (ret != 0 && errno == EEXIST)
 ret = tep_override_comm(tep, "ls", ls_pid);
if (ret != 0) {
 /* Failed to register pid / command mapping */
}
...
if (tep_is_pid_registered(tep, ls_pid) == 0) {
 /* Command mapping for ls_pid is not registered */
}
...
const char *comm = tep_data_comm_from_pid(tep, ls_pid);
if (comm) {
 /* Found process name for ls_pid */
}
...
int pid;
struct cmdline *cmd = tep_data_pid_from_comm(tep, "ls", NULL);
while (cmd) {
 pid = tep_cmdline_pid(tep, cmd);
 /* Found pid for process "ls" */
 cmd = tep_data_pid_from_comm(tep, "ls", cmd);
}
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access
 to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
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libtraceevent(3)
================

NAME
----
tep_alloc, tep_free,tep_ref, tep_unref,tep_get_ref, tep_kbuffer - Create, destroy, manage references of trace event parser context.

SYNOPSIS

[verse]
--
#include <event-parse.h>

struct tep_handle pass:[*]*tep_alloc*(void);
void *tep_free*(struct tep_handle pass:[*]_tep_);
void *tep_ref*(struct tep_handle pass:[*]_tep_);
void *tep_unref*(struct tep_handle pass:[*]_tep_);
int *tep_get_ref*(struct tep_handle pass:[*]_tep_);
struct kbuffer pass:[*]*tep_kbuffer*(struct tep_handle pass:[*]_tep_);
--

DESCRIPTION

These are the main functions to create and destroy tep_handle - the main
structure, representing the trace event parser context. This context is used as
the input parameter of most library APIs.

The *tep_alloc()* function allocates and initializes the tep context.

The *tep_free()* function will decrement the reference of the _tep_ handler.
When
there is no more references, then it will free the handler, as well
as clean up all its resources that it had used. The argument _tep_ is
the pointer to the trace event parser context.

The *tep_ref()* function adds a reference to the _tep_ handler.

The *tep_unref()* function removes a reference from the _tep_ handler. When
the last reference is removed, the _tep_ is destroyed, and all resources that
it had used are cleaned up.

The *tep_ref_get()* functions gets the current references of the _tep_ handler.

The *tep_kbuffer()* function allocates a kbuffer descriptor that can be used to
parse raw data that is represented by the _tep_ handle descriptor. It must be freed
with *kbuf_free(3)*.

RETURN VALUE
----
tep_alloc() returns a pointer to a newly created tep_handle structure.
NULL is returned in case there is not enough free memory to allocate it.

tep_ref_get() returns the current references of _tep_.
If _tep_ is NULL, 0 is returned.

tep_kbuffer() returns a kbuffer descriptor
that can parse the raw data that
represents the tep handle. Must be freed with *kbuf_free(3)*.

EXAMPLE

[source,c]
--
#include <event-parse.h>

...
struct tep_handle *tep = tep_alloc();
...
int ref = tep_get_ref(tep);
tep_ref(tep);
if ((ref+1) != tep_get_ref(tep)) {

```
 /* Something wrong happened, the counter is not incremented by 1 */
}
tep_unref(tep);
...
tep_free(tep);
...
--
FILES
-----
[verse]
--
*event-parse.h*
 Header file to include in order to have access to the library APIs.
*-ltraceevent*
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
--------
*libtraceevent*(3), *trace-cmd*(1)

AUTHOR
------
[verse]
--
*Steven Rostedt* <rostedt@goodmis.org>, author of *libtraceevent*.
*Tzvetomir Stoyanov* <tz.stoyanov@gmail.com>, author of this man page.
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libtraceevent(3)
================
```

NAME
----
kbuffer_alloc, kbuffer_dup, kbuffer_free, kbuffer_load_subbuffer, kbuffer_subbuffer, kbuffer_refresh, kbuffer_subbuffer_size, kbuffer_start_of_data - Creating of kbuffer element to parse the Linux kernel tracing ring buffer

SYNOPSIS

[verse]
--
#include <kbuffer.h>

enum kbuffer_endian {
 KBUFFER_ENDIAN_BIG,
 KBUFFER_ENDIAN_LITTLE,
 KBUFFER_ENDIAN_SAME_AS_HOST,
};

enum kbuffer_long_size {
 KBUFFER_LSIZE_4,
 KBUFFER_LSIZE_8,
 KBUFFER_LSIZE_SAME_AS_HOST,
};

struct kbuffer;
struct tep_handle;

struct kbuffer pass:[*]*kbuffer_alloc*(enum kbuffer_long_size _size_, enum kbuffer_endian _endian_);
struct kbuffer pass:[*]*kbuffer_dup*(struct kbuffer pass:[*]_kbuf_);
void *kbuffer_free*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_load_subbuffer*(struct kbuffer pass:[*]_kbuf_, void pass:[*]_subbuffer_);
int *kbuffer_subbuffer_size*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_refresh*(struct
 kbuffer pass:[*]_kbuf_);
int *kbuffer_start_of_data*(struct kbuffer pass:[*]_kbuf_);
void pass:[*]*kbuffer_subbuffer*(struct kbuffer pass:[*]_kbuf);
--

DESCRIPTION

These functions create a _kbuffer_ handle that can be used to parse the raw sub buffers of the Linux kernel tracing ring buffer. The ring buffer is found in the tracefs directory, and can be retrieved by *tracefs_instance_get_file(3)* at *per_cpu/cpuX/trace_pipe_raw* where *X* is replaced by the per CPU number of the specified ring buffer. The ring buffer inside the kernel is split up per CPU, such that the raw ring buffer must be retrieved per CPU as well.

The *kbuffer_alloc()* will create a descriptor that can be used to manage a sub buffer

read by the ring buffer. The _size_ parameter denotes what the word size is
for the given buffer (note, this works from reading raw data from machines other
than the machine that is calling this function). The _endian_ denotes the endian
for the machine.

If
endian is set to _KBUFFER_ENDIAN_SAME_AS_HOST_ the endian will be set to the same
as the host endianess, which is useful when the application is reading the
ring buffer data directly from the same machine it is running on.

If _size_ is set to _KBUFFER_LSIZE_SAME_AS_HOST_, if the word size is 8, it will
set the kbuffer descriptor to long size of 8. But if the size is 4, then it
will then perform a *uname(2)* call, and if the _machine_ field has the string "64"
in it, it will be set to 8 byte long size and not 4 byte. This is because the
ring buffer long size is dependent on the kernel and not user space.

The *kbuffer_dup()* function will duplicate an existing kbuffer structure with
an allocated new one. It will have all the properties of the passed in _kbuf_,
including pointing to the same subbuffer that was loaded in the _kbuf_.
It must be freed with *kbuffer_free()*.

The *kbuffer_free()* function will free the resources created by *kbuffer_alloc()*.

The *kbuffer_load_subbuffer()*
will take a _subbuffer_ which is a raw data blob
from the tracefs *trace_pipe_raw* file. The Linux tracing ring buffer is broken up
into sub buffers. Each sub buffer is as stand alone data segment that has all the
information to split out the individual events and time stamps. This sub buffer
is what kbuffer uses to walk the events.

The *kbuffer_subbuffer_size()* returns the location of the end of the last event
on the sub-buffer. It does not return the size of the sub-buffer itself.

The *kbuffer_refresh()* is to be used if more writes were done on the loaded kbuffer
where the size of the kbuffer needs to be refreshed to be able to read the new
events that were written since the last *kbuffer_load_subbuffer()* was called on it.

Note, no memory barriers are implemented with this function and any synchronization
with the writer is the responsibility of the application.

The *kbuffer_start_of_data()* function returns the offset of where the actual
data load of the sub-buffer
begins.

The *kbuffer_subbuffer()* function returns the pointer to the currently loaded
subbuffer. That is, the last subbuffer that was loaded by *kbuffer_load_subbuffer()*.
If no subbuffer was loaded NULL is returned.

RETURN VALUE
----
kbuffer_alloc() returns an allocated kbuffer descriptor or NULL on error.
The returned descriptor must be freed with *kbuffer_free()*

kbuffer_load_subbuffer() returns 0 on success and -1 on error.

kbuffer_subbuffer_size() returns the index on the subbuffer where the end
of the last event is located.

kbuffer_start_of_data() returns the offset of where the data begins on the
sub-buffer loaded in _kbuf_.

kbuffer_subbuffer() returns the last loaded subbuffer to _kbuf_ that was loaded
by *kbuffer_load_subbuffer()* or NULL if none was loaded.

kbuffer_refresh() returns 0 on success and -1 if _kbuf_ is NULL or it does not
have a subbuffer loaded via *kbuffer_load_subbuffer()*.

EXAMPLE

[source,c]
--
```
#include <stdio.h>
#include
 <stdlib.h>
#include <fcntl.h>
#include <unistd.h>
#include <sys/stat.h>

#include <kbuffer.h>

int main (int argc, char **argv)
{
 unsigned long long ts;
 struct kbuffer *kbuf;
 struct stat st;
 char *buf;
 void *event;
 int ret;
 int fd;
 int i = 0;

 if (argc < 2) {
  printf("usage: %s raw-subbuffer-page\n", argv[0]);
  printf(" Try: dd count=1 bs=4096 if=/sys/kernel/tracing/per_cpu/cpu0/trace_pipe_raw of=/tmp/file\n");
  exit(0);
 }
```

```
if (stat(argv[1], &st) < 0) {
 perror("stat");
 exit(-1);
}

buf = malloc(st.st_size);
if (!buf) {
 perror("Allocating buffer");
 exit(-1);
}

fd = open(argv[1], O_RDONLY);
if (fd < 0) {
 perror(argv[1]);
 exit(-1);
}

ret = read(fd, buf, st.st_size);
if (ret < 0) {
 perror("Reading buffer");
 exit(-1);
}
close(fd);

kbuf = kbuffer_alloc(KBUFFER_ENDIAN_SAME_AS_HOST,
      KBUFFER_LSIZE_SAME_AS_HOST);
if (!kbuf) {
 perror("Creating kbuffer");
 exit(-1);
}
ret = kbuffer_load_subbuffer(kbuf, buf);
if (ret < 0) {
 perror("Loading
sub bufer");
 exit(-1);
}

if (kbuffer_subbuffer_size(kbuf) > st.st_size) {
 fprintf(stderr, "kbuffer is bigger than raw size %d > %ld\n",
  kbuffer_subbuffer_size(kbuf), st.st_size);
 exit(-1);
}

printf("Kbuffer data starts at %d\n", kbuffer_start_of_data(kbuf));
do {
 event = kbuffer_read_event(kbuf, &ts);
 if (event) {
```

```
  printf(" event %3d ts:%lld\n", i++, ts);
  event = kbuffer_next_event(kbuf, NULL);
 }
} while (event);

if (!event)
 printf("Finished sub buffer\n");

kbuffer_free(kbuf);

return 0;
}
```
--

FILES

[verse]

--

event-parse.h

 Header file to include in order to have access to the library APIs.

-ltraceevent

 Linker switch to add when building a program that uses the library.

--

SEE ALSO

---

libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]

--

Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.

--

REPORTING BUGS

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LICENSE

---

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RESOURCES

---

https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

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libtraceevent(3)
==========

NAME
----
tep_plugin_kvm_get_func, tep_plugin_kvm_put_func - Add function name for instruction pointer of kvm plugin

SYNOPSIS

[verse]
--
#include <event-parse.h>

const char pass:[*]*tep_plugin_kvm_get_func*(struct tep_event pass:[*]event,
	struct tep_record pass:[*]record,
	unsigned long long pass:[*]paddr);
void *tep_plugin_kvm_put_func*(const char pass:[*]func);
--

DESCRIPTION

The functions *tep_plugin_kvm_get_func()* and *tep_plugin_kvm_put_func()*
are not to be called by an application, but instead are to be defined by
an application.

Certain events (like kvm_exit and kvm_entry) have the instruction pointer
of where in the guest the context changed from guest to host. As the host
only knows the instruction pointer and does not have information about what
function in the guest that instruction pointer belongs to, it can only print
the address.

But
 the application may have more information about the guest, and know where
the guest was when the exit occurred, and also even know the function name
of that address.

The KVM plugin for libtraceevent is called on these events, and then calls
tep_plugin_kvm_get_func() to see if that function can resolve the instruction
pointer address to a real function name. If the return is non NULL, it will
print the function in the output for that event.

These functions are currently defined as weak functions within the plugin, as
to not require them to be defined elsewhere. For an application to override
the weak function, it will need to define the function in a file that gets
compiled with *-rdynamic*. That will tell the dynamic linker to examine that
object file and use function names to resolve weak functions in other shared

objects (in this case the KVM plugin shared object).

If the application defines *tep_plugin_kvm_get_func()*, it must use the above
prototype. The _event_ will
 hold the KVM event that has the instruction pointer
field. The _record_ will be the instance of that event. The application's function
does not need to use these parameters, but they may be useful for finding the
function name for the address. The _paddr_ is a pointer to a 64 bit value (where
only 32 bits may be used on 32 bit machines). This value is the instruction
pointer to look up. If the application knows the start address of the function
as well, it can set _paddr_ to that address, and the KVM plugin will also
append a "+offset" to the function name where the offset is the original
value in _paddr_ minus the value in _paddr_ when it is called. Finally,
the application should return the function name as a nul terminated string
if one is found.

If the returned string of *tep_plugin_kvm_get_func()* was allocated, the KVM plugin
will call *tep_plugin_kvm_put_func()* when it is through with it, passing the
value returned by *tep_plugin_kvm_get_func()* as _func_. This allows the application
to
 free it if necessary.

RETURN VALUE

The *tep_plugin_kvm_get_func()* is not to be called by the application but instead
is to be defined by the application. It should return a nul terminated string representing
the function for the given instruction pointer passed to it by reference in _paddr_. It
can then optionally update the _paddr_ to a value that holds the start of the function.
The string returned may be freed by the *tep_plugin_kvm_put_func()* that the application
should define to clean up the string.

The below example needs to be compiled with the *-rdynamic* flag so that the dynamic
linker can resolve the *tep_plugin_kvm_get_func()* and *tep_plugin_kvm_put_func()* functions.

When run against a trace.dat file produced by *trace-cmd(1)* recording the kvm_exit and
kvm_entry events on a guest, and then the guest's /proc/kallsyms file is passed as the
second parameter, the output produced will look something like:

[source,c]
--
CPU 0/KVM-20407 83156.177626
 [000] kvm_exit   reason APIC_ACCESS rip 0xffffffffb0056ee2 exit native_apic_mem_write+0x2 info 10b0 0
CPU 0/KVM-20407 83156.177632 [000] kvm_entry   vcpu 0 rip 0xffffffffb0056ee8 enter
native_apic_mem_write+0x8
--

But without those callbacks, it would look like:

[source,c]
--
CPU 0/KVM-20407 83156.177626 [000] kvm_exit   reason APIC_ACCESS rip 0xffffffffb0056ee2 info 10b0 0
CPU 0/KVM-20407 83156.177632 [000] kvm_entry   vcpu 0 rip 0xffffffffb0056ee8
--

EXAMPLE

[source,c]
--
#include <stdio.h>
#include <stdlib.h>
#include <event-parse.h>
#include <trace-cmd.h>
#include <sys/stat.h>

static struct tep_handle *tep;

const char *tep_plugin_kvm_get_func(struct tep_event *event, struct tep_record *record,
       unsigned long long *paddr)
{
 const char *func;
 char *event_func;
 char *ename;

 func = tep_find_function(tep, *paddr);
 if (!func)
  return NULL;

 if (strcmp(event->name, "kvm_exit") == 0)
  ename = "exit";
 else
  ename = "enter";

 /*
  * Normally, passing
 back func directly is sufficient and then
  * tep_plugin_kvm_put_func() would not be required. But this example
  * is showing how to handle allocation of the returned string.
  */
 event_func = malloc(strlen(ename) + strlen(func) + 2);
 if (!event_func)
  return NULL;
 sprintf(event_func, "%s %s", ename, func);

 *paddr = tep_find_function_address(tep, *paddr);

 return event_func;

```
}

void tep_plugin_kvm_put_func(const char *func)
{
 char *f = (char *)func;

 free(f);
}

static int show_event(struct tracecmd_input *handle, struct tep_event *event,
        struct tep_record *record, int cpu, void *data)
{
 static struct trace_seq seq;
 tep = data;

 if (!seq.buffer)
  trace_seq_init(&seq);

 trace_seq_reset(&seq);
 tep_print_event(tracecmd_get_tep(handle), &seq, record,
   "%s-%d\t%6.1000d [%03d] %s\t%s\n",
   TEP_PRINT_COMM, TEP_PRINT_PID,
   TEP_PRINT_TIME, TEP_PRINT_CPU,
   TEP_PRINT_NAME, TEP_PRINT_INFO);
 trace_seq_terminate(&seq);
 trace_seq_do_printf(&seq);
 return 0;
}

int main(int
 argc, char **argv)
{
 struct tracecmd_input *handle;
 struct tep_handle *guest_tep;
 struct stat st;
 FILE *fp;
 char *buf;

 if (argc < 3) {
  printf("usage: trace.dat guest_kallsyms_file\n");
  exit(-1);
 }

 handle = tracecmd_open(argv[1], 0);
 if (!handle) {
  perror(argv[1]);
  exit(-1);
 }
```

```
/* Just for kallsyms parsing */
guest_tep = tep_alloc();
if (!guest_tep)
 exit(-1);

if (stat(argv[2], &st) < 0) {
 perror(argv[2]);
 exit(-1);
}

buf = malloc(st.st_size + 1);
if (!buf)
 exit(-1);

fp = fopen(argv[2], "r");
if (!fp) {
 perror(argv[2]);
 exit(-1);
}

if (fread(buf, st.st_size, 1, fp) < 0) {
 perror(argv[2]);
 exit(-1);
}

buf[st.st_size] = '\0';

if (tep_parse_kallsyms(guest_tep, buf) < 0) {
 printf("Failed to parse %s\n", argv[2]);
 exit(-1);
}
free(buf);

tracecmd_follow_event(handle, "kvm", "kvm_exit", show_event, guest_tep);
tracecmd_follow_event(handle, "kvm", "kvm_entry", show_event, guest_tep);

tracecmd_iterate_events(handle, NULL, 0,
NULL, NULL);

tep_free(guest_tep);
tracecmd_close(handle);
}
--

FILES
-----
[verse]
```

--
event-parse.h
Header file to include in order to have access to the library APIs.
-ltraceevent
Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

REPORTING BUGS

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LICENSE
----
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RESOURCES
----
https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

Found in path(s):
* /libtraceevent-1-8-2-tar-gz/libtraceevent-1.8.2/Documentation/libtraceevent-kvm-plugin.txt
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libtraceevent(3)
================

NAME
----
tep_find_event,tep_find_event_by_name,tep_find_event_by_record, tep_record_is_event -
Find events by given key.

SYNOPSIS

[verse]
--
#include <event-parse.h>

struct tep_event pass:[*]*tep_find_event*(struct tep_handle pass:[*]_tep_, int _id_);
struct tep_event pass:[*]*tep_find_event_by_name*(struct tep_handle pass:[*]_tep_, const char pass:[*]_sys_, const char pass:[*]_name_);
struct tep_event pass:[*]*tep_find_event_by_record*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_record_);
bool *tep_record_is_event*(struct tep_record pass:[*]record, struct tep_event pass:[*]event);
--

DESCRIPTION

This set of functions can be used to search for an event, based on a given criteria. All functions require a pointer to a _tep_, trace event parser context.

The *tep_find_event()* function searches for an event by given event _id_. The event ID is
assigned dynamically and can be viewed in event's format file, "ID" field.

The *tep_find_event_by_name()* function searches for an event by given event _name_, under the system _sys_. If the _sys_ is NULL (not specified), the first event with _name_ is returned.

The *tep_find_event_by_record()* function searches for an event from a given _record_.

The *tep_record_is_event()* function tests if the given _record_ is of the type of the _event_. This is normally used to know if the _record_ being processed is of an _event_ where further processing should be done.

RETURN VALUE

All these functions except *tep_record_is_event()* return a pointer to the found event, or NULL if there is no such event.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
struct tep_event *event;

event = tep_find_event(tep, 1857);
if (event == NULL) {
 /* There is no event with ID 1857 */
}

event = tep_find_event_by_name(tep, "kvm", "kvm_exit");
if
 (event == NULL) {
 /* There is no kvm_exit event, from kvm system */
}

```
void event_from_record(struct tep_record *record)
{
struct tep_event *event = tep_find_event_by_record(tep, record);
 if (event == NULL) {
  /* There is no event from given record */
 }
}
...
--
```

FILES

[verse]

--

event-parse.h

 Header file to include in order to have access to the library APIs.

-ltraceevent

 Linker switch to add when building a program that uses the library.

--

SEE ALSO

---

libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]

--

Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.

Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.

--

REPORTING BUGS

Report bugs to <linux-trace-devel@vger.kernel.org>

LICENSE

---

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RESOURCES

---

https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

Found in path(s):

* /libtraceevent-1-8-2-tar-gz/libtraceevent-1.8.2/Documentation/libtraceevent-event_find.txt

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libtraceevent(3)
==========

NAME
----
kbuffer_read_event, kbuffer_next_event, kbuffer_missed_events, kbuffer_event_size, kbuffer_curr_size,
kbuffer_curr_offset, kbuffer_curr_index, kbuffer_read_buffer -
Functions to read through the kbuffer sub buffer.

SYNOPSIS

[verse]
--
#include <kbuffer.h>

void pass:[*]*kbuffer_read_event*(struct kbuffer pass:[*]_kbuf_, unsigned long long pass:[*]_ts_);
void pass:[*]*kbuffer_next_event*(struct kbuffer pass:[*]_kbuf_, unsigned long long pass:[*]_ts_);
void pass:[*]*kbuffer_read_at_offset*(struct kbuffer pass:[*]_kbuf_, int _offset_, unsigned long long pass:[*]_ts_);
int *kbuffer_missed_events*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_event_size*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_curr_size*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_curr_offset*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_curr_index*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_read_buffer*(struct
 kbuffer pass:[*]_kbuf_, void pass:[*]_buffer_, int _len_);
--

DESCRIPTION

The function *kbuffer_read_event()* reads the next event in the _kbuf_ descriptor
and if _ts_ is non NULL, will place its timestamp into it. This does not modify the _kbuf_
descriptor, and calling this function mulitple times will return the same result.

The function *kbuffer_next_event()* will return the next event in the _kbuf_ descriptor.
It will also set the _ts_ to the timestamp of the returned event. NULL is returned
if there are no more events and _ts_ will be undefined. Note, if this is called directly
after a *kbuffer_load_subbuffer()* then it will likely give an unexpected result, as it
will return the second event and not the first event. Usually this function is only used
to move to the next event and to know if there's any more events to read, and
kbuffer_read_event() is always called first.

The function *kbuffer_read_at_offset()* returns the event located at a given
 offset from
the beginning of the sub-buffer. This offset can be retrieved by *kbuffer_curr_offset()*.
If _ts_ points to an unsigned long long, then it will be set to the event at the given
offset's timestamp.

If the sub-buffer had missed events before it, then *kbuffer_missed_events()* will return

the non zero. If it returns -1, that means there were missed events, but the exact number
of missed events is unknown. If it returns a positive number, then the number of missed events
is the return value.

The *kbuffer_event_size()* function returns the size of the data portion of the current event
(the one that would be returned by *kbuffer_read_event()*.

The *kbuffer_curr_size()* function returns the entire record size of the current event
(the one that would be returned by *kbuffer_read_event()*. The difference here is that the
return value includes the size of the event record meta data that is not part of what
is returned by *kbuffer_read_event()*.

The *kbuffer_curr_offset()* function
returns the offset from the beginning of the sub-buffer
of where the current event's meta data for the record begins. The first event will
not be at offset zero. This offset can be used to retrieve the event with
kbuffer_read_at_offset().

The *kbuffer_curr_index()* function returns the index from the beginning of the data
portion of the sub-buffer where the current evnet's meta data is located.
The first event will likely be zero, but may not be if there's a timestamp attached to it.

The *kbuffer_read_buffer()* function will fill the given _buffer_ from the _kbuf_ the same
way the kernel would do a read system call. That is, if the length _len_ is less than the
sub buffer size, or the kbuffer current index is non-zero, it will start copying from the
kbuf current event and create _buffer_ as a new sub buffer (with a timestamp
and commit header) with that event that was found and including all events after that can
fit within _len_. The _len_ must include the size of the sub
buffer header as well as the
events to include. That is, _len_ is the allocate size of _buffer_ that can be filled.
The return from this function is the index of the end of the last event that was added.
If there are no more events then zero is returned, and if the buffer can not
copy any events because _len_ was too small, then -1 is returned.

RETURN VALUE
---
kbuffer_read_event() returns the event that the _kbuf_ descriptor is currently at,
or NULL if the last event was passed (by *kbuffer_next_event()*).

kbuffer_next_event() returns the next event after the current event or NULL if there
are no more events.

kbuffer_read_at_offset() returns the event at a given _offset_ from the start of
the sub-buffer stored in _kbuf_, or NULL if there exists no event. Note, _offset_
only needs to be an offset that lands on the record, or is at the start of it. It does
not need to be exactly at the beginning of the record.

kbuffer_missed_events() returns 0 if there were no missed
events before loaded sub-buffer.
Returns -1 if there were an unknown number of missed events, or if the number of missed events is known, that number will be returned.

kbuffer_event_size() returns the size of the data payload of the current event of _kbuf_.

kbuffer_curr_size() returns the size of the entire record of the current event of _kbuf_.
This includes the size of the meta data for that record.

kbuf_curr_offset() returns the offset of the current record from the beginning of the _kbuf_ sub-buffer.

kbuf_curr_index() returns the index of the current record from the beginning of the _kbuf_ data section.

kbuf_read_buffer() returns the index of the end of the last event that was filled in _buffer_. If there are no more events to copy from _start_ then 0 is returned. If _len_ is not big enough to hold any events, then -1 is returned.

EXAMPLE

[source,c]
--
```
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>
#include <sys/stat.h>

#include
 <kbuffer.h>

int main (int argc, char **argv)
{
 unsigned long long ts;
 struct kbuffer *kbuf;
 struct stat st;
 char *buf;
 void *event;
 int save_offset = -1;
 int record_size;
 int offset;
 int index;
 int size;
 int ret;
 int fd;
 int i = 0;
```

```
if (argc < 2) {
 printf("usage: %s raw-subbuffer-page\n", argv[0]);
 printf(" Try: dd count=1 bs=4096 if=/sys/kernel/tracing/per_cpu/cpu0/trace_pipe_raw of=/tmp/file\n");
 exit(0);
}

if (stat(argv[1], &st) < 0) {
 perror("stat");
 exit(-1);
}

buf = malloc(st.st_size);
if (!buf) {
 perror("Allocating buffer");
 exit(-1);
}

fd = open(argv[1], O_RDONLY);
if (fd < 0) {
 perror(argv[1]);
 exit(-1);
}

ret = read(fd, buf, st.st_size);
if (ret < 0) {
 perror("Reading buffer");
 exit(-1);
}
close(fd);

kbuf = kbuffer_alloc(KBUFFER_ENDIAN_SAME_AS_HOST,
      KBUFFER_LSIZE_SAME_AS_HOST);
if (!kbuf) {
 perror("Creating kbuffer");
 exit(-1);
}
ret = kbuffer_load_subbuffer(kbuf, buf);
if (ret < 0) {
 perror("Loading
sub bufer");
 exit(-1);
}

if (kbuffer_subbuffer_size(kbuf) > st.st_size) {
 fprintf(stderr, "kbuffer is bigger than raw size %d > %ld\n",
  kbuffer_subbuffer_size(kbuf), st.st_size);
 exit(-1);
```

```
}

ret = kbuffer_missed_events(kbuf);
if (ret) {
 if (ret > 0)
  printf("Missed %d events before this buffer\n", ret);
 else
  printf("Missed unknown number of events before this buffer\n");
}
do {
 event = kbuffer_read_event(kbuf, &ts);
 if (event) {
  record_size = kbuffer_curr_size(kbuf);
  offset = kbuffer_curr_offset(kbuf);
  index = kbuffer_curr_index(kbuf);
  size = kbuffer_event_size(kbuf);

  if (i == 20)
   save_offset = offset;
  printf(" event %3d ts:%lld\trecord_size:%d size:%d\tindex:%d offset:%d\n",
         i++, ts, record_size, size, index, offset);
  event = kbuffer_next_event(kbuf, NULL);
 }
} while (event);

if (!event)
 printf("Finished sub buffer\n");

if (save_offset > 0) {
 event = kbuffer_read_at_offset(kbuf, save_offset, &ts);
 if
(!event) {
  fprintf(stderr, "Funny, can't find event 20 at offset %d\n", save_offset);
  exit(-1);
 }
 record_size = kbuffer_curr_size(kbuf);
 offset = kbuffer_curr_offset(kbuf);
 index = kbuffer_curr_index(kbuf);
 size = kbuffer_event_size(kbuf);

 printf("\n saved event 20 ts:%lld\trecord_size:%d size:%d\tindex:%d offset:%d\n\n",
        ts, record_size, size, index, offset);
}
kbuffer_free(kbuf);

 return 0;
}
--
```

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
--
REPORTING BUGS

Report bugs to <linux-trace-devel@vger.kernel.org>

LICENSE
----
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RESOURCES
----
https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

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* /libtraceevent-1-8-2-tar-gz/libtraceevent-1.8.2/Documentation/libtraceevent-kbuffer-read.txt
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libtraceevent(3)
================

NAME
----
tep_parse_header_page - Parses the data stored in the header page.

SYNOPSIS

[verse]
--

#include <event-parse.h>

int *tep_parse_header_page*(struct tep_handle pass:[*]_tep_, char pass:[*]_buf_, unsigned long _size_, int _long_size_);
--

DESCRIPTION

The *tep_parse_header_page()* function parses the header page data from _buf_, and initializes the _tep_, trace event parser context, with it. The buffer _buf_ is with _size_, and is supposed to be copied from tracefs/events/header_page.

Some old kernels do not have header page info, in this case the *tep_parse_header_page()* function can be called with _size_ equal to 0. The _tep_ context is initialized with default values. The _long_size_ can be used in this use case, to set the size of a long integer to be used.

RETURN VALUE

The *tep_parse_header_page()* function returns 0 in case of success, or -1 in case of an error.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
char *buf;
int size;
buf = read_file("/sys/kernel/tracing/events/header_page", &size);
if (tep_parse_header_page(tep, buf, size, sizeof(unsigned long)) != 0) {
 /* Failed to parse the header page */
}
...
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent

Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
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RESOURCES
----
https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

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libtraceevent(3)
================

NAME
----
tep_find_common_field, tep_find_field, tep_find_any_field -
Search for a field in an event.

SYNOPSIS

[verse]
--
#include <event-parse.h>

struct tep_format_field pass:[*]*tep_find_common_field*(struct tep_event pass:[*]_event_, const char pass:[*]_name_);
struct tep_format_field pass:[*]*tep_find_field*(struct tep_event_ormat pass:[*]_event_, const char

pass:[*]_name_);
struct tep_format_field pass:[*]*tep_find_any_field*(struct tep_event pass:[*]_event_, const char pass:[*]_name_);
--

DESCRIPTION

These functions search for a field with given name in an event. The field
returned can be used to find the field content from within a data record.

The *tep_find_common_field()* function searches for a common field with _name_
in the _event_.

The *tep_find_field()* function searches for an event specific field with
name in the _event_.

The *tep_find_any_field()*
function searches for any field with _name_ in the
event.

RETURN VALUE

The _tep_find_common_field(), *tep_find_field()* and _tep_find_any_field()_
functions return a pointer to the found field, or NULL in case there is no field
with the requested name.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
void get_htimer_info(struct tep_handle *tep, struct tep_record *record)
{
 struct tep_format_field *field;
 struct tep_event *event;
 long long softexpires;
 int mode;
 int pid;

 event = tep_find_event_by_name(tep, "timer", "hrtimer_start");

 field = tep_find_common_field(event, "common_pid");
 if (field == NULL) {
  /* Cannot find "common_pid" field in the event */
 } else {
  /* Get pid from the data record */
  pid = tep_read_number(tep, record->data + field->offset,
        field->size);

```
 }

 field = tep_find_field(event, "softexpires");
 if (field == NULL) {
  /* Cannot find "softexpires" event specific field in the event */
 } else {
  /* Get
 softexpires parameter from the data record */
  softexpires = tep_read_number(tep, record->data + field->offset,
          field->size);
 }

 field = tep_find_any_field(event, "mode");
 if (field == NULL) {
  /* Cannot find "mode" field in the event */
 } else
 {
  /* Get mode parameter from the data record */
  mode = tep_read_number(tep, record->data + field->offset,
          field->size);
 }
}
...
--

FILES
-----
[verse]
--
*event-parse.h*
 Header file to include in order to have access to the library APIs.
*-ltraceevent*
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
--------
*libtraceevent*(3), *trace-cmd*(1)

AUTHOR
------
[verse]
--
*Steven Rostedt* <rostedt@goodmis.org>, author of *libtraceevent*.
*Tzvetomir Stoyanov* <tz.stoyanov@gmail.com>, author of this man page.
--
REPORTING BUGS
--------------
```

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RESOURCES
----
https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

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libtraceevent(3)
================

NAME
----
tep_get_header_page_size, tep_get_header_timestamp_size, tep_is_old_format -
Get the data stored in the header page, in kernel context.

SYNOPSIS

[verse]
--
#include <event-parse.h>

int *tep_get_header_page_size*(struct tep_handle pass:[*]_tep_);
int *tep_get_header_timestamp_size*(struct tep_handle pass:[*]_tep_);
bool *tep_is_old_format*(struct tep_handle pass:[*]_tep_);
--
DESCRIPTION

These functions retrieve information from kernel context, stored in tracefs
events/header_page. Old kernels do not have header page info, so default values
from user space context are used.

The *tep_get_header_page_size()* function returns the size of a long integer,
in kernel context. The _tep_ argument is trace event parser context.
This information is retrieved from tracefs events/header_page, "commit" field.

The *tep_get_header_timestamp_size()* function returns
 the size of timestamps,
in kernel context. The _tep_ argument is trace event parser context. This
information is retrieved from tracefs events/header_page, "timestamp" field.

The *tep_is_old_format()* function returns true if the kernel predates
the addition of events/header_page, otherwise it returns false.

RETURN VALUE

The *tep_get_header_page_size()* function returns the size of a long integer,
in bytes.

The *tep_get_header_timestamp_size()* function returns the size of timestamps,
in bytes.

The *tep_is_old_format()* function returns true, if an old kernel is used to
generate the tracing data, which has no event/header_page. If the kernel is new,
or _tep_ is NULL, false is returned.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
 int longsize;
 int timesize;
 bool old;

 longsize = tep_get_header_page_size(tep);
 timesize = tep_get_header_timestamp_size(tep);
 old = tep_is_old_format(tep);

 printf ("%s kernel
 is used to generate the tracing data.\n",
  old?"Old":"New");
 printf("The size of a long integer is %d bytes.\n", longsize);
 printf("The timestamps size is %d bytes.\n", timesize);
...
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
REPORTING BUGS

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RESOURCES
----
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libtraceevent(3)
==========

NAME
----
tep_set_function_resolver, tep_reset_function_resolver, tep_register_function, tep_register_print_string, tep_get_function_count - function related tep APIs

SYNOPSIS

[verse]
--
#include <event-parse.h>

typedef char pass:[*](*tep_func_resolver_t*)(void pass:[*]_priv_, unsigned long long pass:[*]_addrp_, char pass:[**]_modp_);
int *tep_set_function_resolver*(struct tep_handle pass:[*]_tep_, tep_func_resolver_t pass:[*]_func_, void pass:[*]_priv_);
void *tep_reset_function_resolver*(struct tep_handle pass:[*]_tep_);
int *tep_register_function*(struct tep_handle pass:[*]_tep_, char pass:[*]_name_, unsigned long long _addr_, char

pass:[*]_mod_);
int *tep_register_print_string*(struct tep_handle pass:[*]_tep_, const char pass:[*]_fmt_, unsigned long long _addr_);
int *tep_get_function_count*(struct tep_handle *_tep_)
--

DESCRIPTION

Some tools may have already
a way to resolve the kernel functions. These APIs
allow them to keep using it instead of duplicating all the entries inside.

The _tep_func_resolver_t_ type is the prototype of the alternative kernel functions resolver. This function receives a pointer to its custom context (set with the *tep_set_function_resolver()* call) and the address of a kernel function, which has to be resolved. In case of success, it should return the name of the function and its module (if any) in _modp_.

The *tep_set_function_resolver()* function registers _func_ as an alternative kernel functions resolver. The _tep_ argument is trace event parser context. The _priv_ argument is a custom context of the _func_ function. The function resolver is used by the APIs *tep_find_function*(3), *tep_find_function_address*(3), and *tep_print_func_field()* to resolve a function address to a function name.

The *tep_reset_function_resolver()* function resets the kernel functions resolver to the default function.
The _tep_ argument is trace event parser
context.

These APIs can be used to find function name and start address, by given address. The given address does not have to be exact, it will select the function that would contain it.

The *tep_register_function()* function registers a function name mapped to an address and (optional) module. This mapping is used in case the function tracer or events have "%pS" parameter in its format string. It is common to pass in the kallsyms function names with their corresponding addresses with this function. The _tep_ argument is the trace event parser context. The _name_ is the name of the function, the string is copied internally. The _addr_ is the start address of the function. The _mod_ is the kernel module the function may be in (NULL for none).

The *tep_register_print_string()* function registers a string by the address it was stored in the kernel. Some strings internal to the kernel with static address are passed to certain events. The "%s" in

the event's format field
which has an address needs to know what string would be at that address. The
tep_register_print_string() supplies the parsing with the mapping between kernel
addresses and those strings. The _tep_ argument is the trace event parser
context. The _fmt_ is the string to register, it is copied internally.
The _addr_ is the address the string was located at.

tep_get_function_count() returns the number of registered functions in a tep handler.

RETURN VALUE

The *tep_set_function_resolver()* function returns 0 in case of success, or -1
in case of an error.

The *tep_register_function()* function returns 0 in case of success. In case of
an error -1 is returned, and errno is set to the appropriate error number.

The *tep_register_print_string()* function returns 0 in case of success. In case
of an error -1 is returned, and errno is set to the appropriate error number.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep =
 tep_alloc();
...
char *my_resolve_kernel_addr(void *context,
        unsigned long long *addrp, char **modp)
{
 struct db *function_database = context;
 struct symbol *sym = sql_lookup(function_database, *addrp);

 if (!sym)
  return NULL;

 *modp = sym->module_name;
 return sym->name;
}

void show_function(unsigned long long addr)
{
 unsigned long long fstart;
 const char *fname;

 if (tep_set_function_resolver(tep, my_resolve_kernel_addr,

```
        function_database) != 0) {
 /* failed to register my_resolve_kernel_addr */
 }

 /* These APIs use my_resolve_kernel_addr() to resolve the addr */
 fname = tep_find_function(tep, addr);
 fstart = tep_find_function_address(tep, addr);

 /*
    addr is in function named fname, starting at fstart address,
    at offset (addr - fstart)
 */

 tep_reset_function_resolver(tep);

}
...
 if (tep_register_function(tep, "kvm_exit",
    (unsigned long long) 0x12345678, "kvm") != 0) {
  /* Failed to register kvm_exit address mapping */
 }
...
 if (tep_register_print_string(tep,
 "print string",
    (unsigned long long) 0x87654321, NULL) != 0) {
  /* Failed to register "print string" address mapping */
 }
...
--

FILES
-----
[verse]
--
*event-parse.h*
 Header file to include in order to have access to the library APIs.
*-ltraceevent*
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
--------
*libtraceevent*(3), *trace-cmd*(1)

AUTHOR
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libtraceevent(3)
==========

NAME
---
tep_print_printk, tep_print_funcs, tep_set_test_filters, tep_plugin_print_options -
Print libtraceevent internal information.

SYNOPSIS

[verse]
--
#include <event-parse.h>
#include <trace-seq.h>

void *tep_print_printk*(struct tep_handle pass:[*]tep);
void *tep_print_funcs*(struct tep_handle pass:[*]tep);
void *tep_set_test_filters*(struct tep_handle pass:[*]tep, int test_filters);
void *tep_plugin_print_options*(struct trace_seq pass:[*]s);
--

DESCRIPTION

The *tep_print_printk()* function prints the printk string formats that were
stored for this tracing session. The _tep_ argument is trace event parser context.

The *tep_print_funcs()* function prints the stored function name to address mapping
for this tracing session. The _tep_ argument is trace event parser context.

The *tep_set_test_filters()* function sets a flag to test a filter string. If
 this
flag is set, when *tep_filter_add_filter_str()* API as called, it will print the filter
string instead of adding it. The _tep_ argument is trace event parser context.
The _test_filters_ argument is the test flag that will be set.

The *tep_plugin_print_options()* function writes a list of the registered plugin options
into _s_.

EXAMPLE

[source,c]
--
#include <event-parse.h>
#include <trace-seq.h>
...
struct tep_handle *tep = tep_alloc();
...
 tep_print_printk(tep);
...
 tep_print_funcs(tep);
...
struct tep_event_filter *filter = tep_filter_alloc(tep);
 tep_set_test_filters(tep, 1);
 tep_filter_add_filter_str(filter, "sched/sched_wakeup:target_cpu==1");
 tep_set_test_filters(tep, 0);
 tep_filter_free(filter);
...
struct trace_seq seq;
trace_seq_init(&seq);

 tep_plugin_print_options(&s);
...
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses
 the library.
--

SEE ALSO
----

libtraceevent(3), *trace-cmd*(1)

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libtraceevent(3)
================

NAME
----
tep_get_page_size, tep_set_page_size, tep_get_sub_buffer_data_size, tep_get_sub_buffer_size - Get / set the size of a memory page on
the machine, where the trace is generated

SYNOPSIS

[verse]
--
#include <event-parse.h>

int *tep_get_page_size*(struct tep_handle pass:[*]_tep_);
void *tep_set_page_size*(struct tep_handle pass:[*]_tep_, int _page_size_);
int *tep_get_sub_buffer_size*(struct tep_handle pass:[*]_tep_);
int *tep_get_sub_buffer_data_size*(struct tep_handle pass:[*]_tep_);
int *tep_get_sub_buffer_commit_offset*(struct tep_handle pass:[*]_tep_);
--

DESCRIPTION

The *tep_get_page_size()* function returns the size of a memory page on
the machine, where the trace is generated. The _tep_ argument is trace
event parser context.

The *tep_set_page_size()* function stores in the _tep_ context the size of a
memory page on the machine, where the trace
is generated.
The _tep_ argument is trace event parser context.
The _page_size_ argument is the size of a memory page, in bytes.

The *tep_get_sub_buffer_size()* returns the size of each "sub buffer" of the
ring buffer. The Linux kernel ring buffer is broken up into sections called
sub buffers. This returns the size of those buffers.

The *tep_get_sub_buffer_data_size()* returns the size of just the data portion
of the sub buffers.

The *tep_get_sub_buffer_commit_offset()* returns the offset on the sub buffer
that holds the committed portion of data. This number contains the index from
the data portion of the sub buffer that is the end of the last element on the
sub buffer.

RETURN VALUE

The *tep_get_page_size()* function returns size of the memory page, in bytes.

The *tep_get_sub_buffer_size()* function returns the number of bytes each sub
buffer is made up of.

The *tep_get_sub_buffer_commit_offset()* function returns the location on the
sub buffer that contains the
index of the last element.

EXAMPLE

[source,c]
--
#include <unistd.h>
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
int page_size = getpagesize();

tep_set_page_size(tep, page_size);

printf("The page size for this machine is %d\n", tep_get_page_size(tep));

--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

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libtraceevent(3)
================

NAME
----
tep_print_event - Writes event information into a trace sequence.

SYNOPSIS

[verse]
--
#include <event-parse.h>
#include <trace-seq.h>

void *tep_print_event*(struct tep_handle pass:[*]_tep_, struct trace_seqpass:[*]_s_, struct tep_record pass:[*]_record_, const char pass:[*]_fmt_, _..._)
--

DESCRIPTION

The *tep_print_event()* function parses the event information of the given
record and writes it into the trace sequence _s_, according to the format
string _fmt_. The desired information is specified after the format string.
The _fmt_ is printf-like format string, following arguments are supported:
[verse]
--
 TEP_PRINT_PID, "%d" - PID of the event.
 TEP_PRINT_CPU, "%d" - Event CPU.
 TEP_PRINT_COMM, "%s" - Event command string.
 TEP_PRINT_NAME, "%s" - Event name.
 TEP_PRINT_LATENCY, "%s" - Latency of the event. It prints 4 or more
   fields -
 interrupt state, scheduling state,
   current context, and preemption count.
   Field 1 is the interrupt enabled state:
    d : Interrupts are disabled
    . : Interrupts are enabled
    X : The architecture does not support this
        information
   Field 2 is the "need resched" state.
    N : The task is set to call the scheduler when
        possible, as another higher priority task
        may need to be scheduled in.
    . : The task is not set to call the scheduler.
   Field 3 is the context state.
    . : Normal context
    s : Soft interrupt context
    h : Hard interrupt context
    H : Hard interrupt context which triggered

```
        during soft interrupt context.
    z : NMI context
    Z : NMI context which triggered during hard
        interrupt context
  Field 4 is the preemption count.
   . : The preempt count is zero.
  On preemptible kernels (where the task can be scheduled
  out in arbitrary locations while in kernel context), the
  preempt count, when non zero,
 will prevent the kernel
  from scheduling out the current task. The preempt count
  number is displayed when it is not zero.
  Depending on the kernel, it may show other fields
  (lock depth, or migration disabled, which are unique to
  specialized kernels).
 TEP_PRINT_TIME, %d - event time stamp. A divisor and precision can be
  specified as part of this format string:
  "%precision.divisord". Example:
  "%3.1000d" - divide the time by 1000 and print the first
  3 digits before the dot. Thus, the time stamp
  "123456000" will be printed as "123.456"
 TEP_PRINT_INFO, "%s" - event information.
 TEP_PRINT_INFO_RAW, "%s" - event information, in raw format.

--
EXAMPLE
-------
[source,c]
--
#include <event-parse.h>
#include <trace-seq.h>
...
struct trace_seq seq;
trace_seq_init(&seq);
struct tep_handle *tep = tep_alloc();
...
void print_my_event(struct tep_record *record)
{
 trace_seq_reset(&seq);
 tep_print_event(tep, s, record, "%16s-%-5d [%03d] %s %6.1000d %s %s",
   TEP_PRINT_COMM,
 TEP_PRINT_PID, TEP_PRINT_CPU,
   TEP_PRINT_LATENCY, TEP_PRINT_TIME, TEP_PRINT_NAME,
   TEP_PRINT_INFO);
}
...
--
```

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
trace-seq.h
 Header file to include in order to have access to trace sequences related APIs.
 Trace sequences are used to allow a function to call several other functions
 to create a string of data to use.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

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libtraceevent(3)
================

NAME
----
tep_read_number_field - Reads a number from raw data.

SYNOPSIS

[verse]
--
#include <event-parse.h>

int *tep_read_number_field*(struct tep_format_field pass:[*]_field_, const void pass:[*]_data_, unsigned long long pass:[*]_value_);
--

DESCRIPTION

The *tep_read_number_field()* function reads the value of the _field_ from the raw _data_ and stores it in the _value_. The function sets the _value_ according to the endianness of the raw data and the current machine and stores it in _value_.

RETURN VALUE

The *tep_read_number_field()* function retunrs 0 in case of success, or -1 in case of an error.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
struct tep_event *event = tep_find_event_by_name(tep, "timer", "hrtimer_start");
...
void process_record(struct tep_record *record)
{
 unsigned
 long long pid;
 struct tep_format_field *field_pid = tep_find_common_field(event, "common_pid");

 if (tep_read_number_field(field_pid, record->data, &pid) != 0) {
  /* Failed to get "common_pid" value */
 }
}
...
--
FILES

[verse]

--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

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libtraceevent(3)
================

NAME
----
tep_set_flag, tep_clear_flag, tep_test_flag -
Manage flags of trace event parser context.

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum *tep_flag* {
 _TEP_NSEC_OUTPUT_,
 _TEP_DISABLE_SYS_PLUGINS_,
 _TEP_DISABLE_PLUGINS_
};
void *tep_set_flag*(struct tep_handle pass:[*]_tep_, enum tep_flag _flag_);
void *tep_clear_flag*(struct tep_handle pass:[*]_tep_, enum tep_flag _flag_);
bool *tep_test_flag*(struct tep_handle pass:[*]_tep_, enum tep_flag _flag_);
--

DESCRIPTION

Trace event parser context flags are defined in *enum tep_flag*:
[verse]
--
_TEP_NSEC_OUTPUT_ - print event's timestamp in nano seconds, instead of micro seconds.
_TEP_DISABLE_SYS_PLUGINS_ - disable plugins, located in system's plugin
  directory. This directory is defined at library compile
  time, and usually depends on library installation
  prefix: (install_preffix)/lib/traceevent/plugins
_TEP_DISABLE_PLUGINS_
 - disable all library plugins:
  - in system's plugin directory
  - in directory, defined by the environment variable _TRACEEVENT_PLUGIN_DIR_
  - in user's home directory, _~/.traceevent/plugins_
--
Note: plugin related flags must me set before calling *tep_load_plugins()* API.

The *tep_set_flag()* function sets _flag_ to _tep_ context.

The *tep_clear_flag()* function clears _flag_ from _tep_ context.

The *tep_test_flag()* function tests if _flag_ is set to _tep_ context.

RETURN VALUE
----
tep_test_flag() function returns true if _flag_ is set, false otherwise.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
/* Print timestamps in nanoseconds */
tep_set_flag(tep, TEP_NSEC_OUTPUT);

```
...
if (tep_test_flag(tep, TEP_NSEC_OUTPUT)) {
 /* print timestamps in nanoseconds */
} else {
 /* print timestamps in microseconds */
}
...
/* Print timestamps in microseconds */
tep_clear_flag(tep, TEP_NSEC_OUTPUT);
...
```

--

FILES

[verse]

--

event-parse.h
 Header
 file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.

--

SEE ALSO

---

libtraceevent(3), *trace-cmd*(1)

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libtraceevent(3)
==========

NAME
----
tep_register_print_function,tep_unregister_print_function -
Registers / Unregisters a helper function.

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum *tep_func_arg_type* {
 TEP_FUNC_ARG_VOID,
 TEP_FUNC_ARG_INT,
 TEP_FUNC_ARG_LONG,
 TEP_FUNC_ARG_STRING,
 TEP_FUNC_ARG_PTR,
 TEP_FUNC_ARG_MAX_TYPES
};

typedef unsigned long long (*pass:[*]tep_func_handler*)(struct trace_seq pass:[*]s, unsigned long long pass:[*]args);

int *tep_register_print_function*(struct tep_handle pass:[*]_tep_, tep_func_handler _func_, enum tep_func_arg_type _ret_type_, char pass:[*]_name_, _..._);
int *tep_unregister_print_function*(struct tep_handle pass:[*]_tep_, tep_func_handler _func_, char pass:[*]_name_);
--

DESCRIPTION

Some events may have helper functions in the print format arguments.
This allows a plugin to dynamically create a way to process one of
these functions.

The
 tep_register_print_function() registers such helper function. The _tep_
argument is the trace event parser context. The _func_ argument is a pointer
to the helper function. The _ret_type_ argument is the return type of the
helper function, value from the _tep_func_arg_type_ enum. The _name_ is the name
of the helper function, as seen in the print format arguments. The _..._ is a
variable list of _tep_func_arg_type_ enums, the _func_ function arguments.
This list must end with _TEP_FUNC_ARG_VOID_. See 'EXAMPLE' section.

The *tep_unregister_print_function()* unregisters a helper function, previously
registered with *tep_register_print_function()*. The _tep_ argument is the
trace event parser context. The _func_ and _name_ arguments are the same, used
when the helper function was registered.

The _tep_func_handler_ is the type of the helper function. The _s_ argument is
the trace sequence, it can be used to create a custom string.
The _args_ is a list of arguments, defined when
the helper function was
registered.

RETURN VALUE

The *tep_register_print_function()* function returns 0 in case of success.
In case of an error, TEP_ERRNO_... code is returned.

The *tep_unregister_print_function()* returns 0 in case of success, or -1 in
case of an error.

EXAMPLE

Some events have internal functions calls, that appear in the print format
output. For example "tracefs/events/i915/g4x_wm/format" has:
[source,c]
--
print fmt: "pipe %c, frame=%u, scanline=%u, wm %d/%d/%d, sr %s/%d/%d/%d, hpll %s/%d/%d/%d, fbc %s",
    ((REC->pipe) + 'A'), REC->frame, REC->scanline, REC->primary,
    REC->sprite, REC->cursor, yesno(REC->cxsr), REC->sr_plane,
    REC->sr_cursor, REC->sr_fbc, yesno(REC->hpll), REC->hpll_plane,
    REC->hpll_cursor, REC->hpll_fbc, yesno(REC->fbc)
--
Notice the call to function *yesno()* in the print arguments. In the kernel
context, this function has the following implementation:
[source,c]
--
static const char *yesno(int x)
{
 static
 const char *yes = "yes";
 static const char *no = "no";

 return x ? yes : no;
}
--
The user space event parser has no idea how to handle this *yesno()* function.
The *tep_register_print_function()* API can be used to register a user space
helper function, mapped to the kernel's *yesno()*:

[source,c]
--
#include <event-parse.h>
#include <trace-seq.h>
...
struct tep_handle *tep = tep_alloc();
...
static const char *yes_no_helper(int x)
{
 return x ? "yes" : "no";
}
...
 if (tep_register_print_function(tep,
        yes_no_helper,
        TEP_FUNC_ARG_STRING,
        "yesno",
        TEP_FUNC_ARG_INT,
        TEP_FUNC_ARG_VOID) != 0) {
  /* Failed to register yes_no_helper function */
 }

/*
  Now, when the event parser encounters this yesno() function, it will know
  how to handle it.
*/
...
 if (tep_unregister_print_function(tep, yes_no_helper, "yesno") != 0) {
  /* Failed to unregister yes_no_helper function */
 }
--

FILES

[verse]
--
event-parse.h
 Header file to include
 in order to have access to the library APIs.
trace-seq.h
 Header file to include in order to have access to trace sequences
 related APIs. Trace sequences are used to allow a function to call
 several other functions to create a string of data to use.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----

libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
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libtraceevent(3)
================

NAME
----
tep_print_field_content, tep_print_fields, tep_print_num_field, tep_print_func_field, tep_record_print_fields, tep_record_print_selected_fields -
Print the field content.

SYNOPSIS

[verse]
--
#include <event-parse.h>
#include <trace-seq.h>

void *tep_print_field_content*(struct trace_seq pass:[*]_s_, void pass:[*]_data_, int size, struct tep_format_field pass:[*]_field_);
void *tep_print_fields*(struct trace_seq pass:[*]_s_, void pass:[*]_data_, int _size_, struct tep_event pass:[*]_event_);
int *tep_print_num_field*(struct trace_seq pass:[*]_s_, const char pass:[*]_fmt_, struct tep_event pass:[*]_event_, const char pass:[*]_name_, struct tep_record pass:[*]_record_, int _err_);
int *tep_print_func_field*(struct trace_seq pass:[*]_s_, const char pass:[*]_fmt_, struct tep_event pass:[*]_event_,

const char pass:[*]_name_, struct tep_record pass:[*]_record_, int
err);
void *tep_record_print_fields*(struct trace_seq pass:[*]_s_, struct tep_record pass:[*]_record_, struct tep_event pass:[*]_event_);
void *tep_record_print_selected_fields*(struct trace_seq pass:[*]_s_, struct tep_record pass:[*]_record_, struct tep_event pass:[*]_event_, int _select_mask_);
--

DESCRIPTION

These functions print recorded field's data, according to the field's type.

The *tep_print_field_content()* function extracts from the recorded raw _data_ value of the _field_ and prints it into _s_, according to the field type.

The *tep_print_fields()* prints each field name followed by the record's field value according to the field's type:
[verse]
--
"field1_name=field1_value field2_name=field2_value ..."
--
It iterates all fields of the _event_, and calls *tep_print_field_content()* for each of them.

The *tep_print_num_field()* function prints a numeric field with given format string. A search is performed in the _event_ for a field with _name_. If such field
is found, its value is extracted from the _record_ and is printed in the _s_, according to the given format string _fmt_. If the argument _err_ is non-zero, and an error occures - it is printed in the _s_.

The *tep_print_func_field()* function prints a function field with given format string. A search is performed in the _event_ for a field with _name_. If such field is found, its value is extracted from the _record_. The value is assumed to be a function address, and a search is perform to find the name of this function. The function name (if found) and its address are printed in the _s_, according to the given format string _fmt_. If the argument _err_ is non-zero, and an error occures - it is printed in _s_.

The *tep_record_print_fields()* prints the field's name followed by its value for all record's field.

The *tep_record_print_selected_fields()* prints the field's name followed by its value for selected subset of record field. The fields to be printed are defined by the _select_mask_
bit mask.

RETURN VALUE

The *tep_print_num_field()* and *tep_print_func_field()* functions return 1
on success, -1 in case of an error or 0 if the print buffer _s_ is full.

EXAMPLE

[source,c]
--
#include <event-parse.h>
#include <trace-seq.h>
...
struct tep_handle *tep = tep_alloc();
...
struct trace_seq seq;
trace_seq_init(&seq);
struct tep_event *event = tep_find_event_by_name(tep, "timer", "hrtimer_start");
...
void process_record(struct tep_record *record)
{
 struct tep_format_field *field_pid = tep_find_common_field(event, "common_pid");

 trace_seq_reset(&seq);

 /* Print the value of "common_pid" */
 tep_print_field_content(&seq, record->data, record->size, field_pid);

 /* Print all fields of the "hrtimer_start" event */
 tep_print_fields(&seq, record->data, record->size, event);

 /* Print the value of "expires" field with custom format string */
 tep_print_num_field(&seq, " timer expires in %llu ", event, "expires", record, 0);

 /* Print the
 address and the name of "function" field with custom format string */
 tep_print_func_field(&seq, " timer function is %s ", event, "function", record, 0);
}
...
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
trace-seq.h
 Header file to include in order to have access to trace sequences related APIs.
 Trace sequences are used to allow a function to call several other functions

to create a string of data to use.
-ltraceevent
Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
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libtraceevent(3)
==========

NAME
---
tep_load_plugins, tep_unload_plugins, tep_load_plugins_hook, tep_add_plugin_path,
tep_plugin_add_option - Load / unload traceevent plugins.

SYNOPSIS

[verse]
--
#include <event-parse.h>

struct tep_plugin_list pass:[*]*tep_load_plugins*(struct tep_handle pass:[*]_tep_);
void *tep_unload_plugins*(struct tep_plugin_list pass:[*]_plugin_list_, struct tep_handle pass:[*]_tep_);
void *tep_load_plugins_hook*(struct tep_handle pass:[*]_tep_, const char pass:[*]_suffix_,

```
      void (pass:[*]_load_plugin_)(struct tep_handle pass:[*]tep,
           const char pass:[*]path,
           const char pass:[*]name,
           void pass:[*]data),
      void pass:[*]_data_);
int *tep_add_plugin_path*(struct tep_handle pass:[*]tep, char pass:[*]path,
    enum tep_plugin_load_priority prio);
int *tep_plugin_add_option*(const char pass:[*]_name_, const char pass:[*]_val_);
--
```

DESCRIPTION

```
-----------
```

The
tep_load_plugins() function loads all plugins, located in the plugin
directories. The _tep_ argument is trace event parser context.
The plugin directories are :

```
[verse]
--
 - Directories, specified in _tep_->plugins_dir with priority TEP_PLUGIN_FIRST
 - System's plugin directory, defined at the library compile time. It
   depends on the library installation prefix and usually is
   _(install_preffix)/lib/traceevent/plugins_
 - Directory, defined by the environment variable _TRACEEVENT_PLUGIN_DIR_
 - User's plugin directory, located at _~/.local/lib/traceevent/plugins_
 - Directories, specified in _tep_->plugins_dir with priority TEP_PLUGIN_LAST
--
```

Loading of plugins can be controlled by the _tep_flags_, using the
tep_set_flag() API:

```
[verse]
--
 _TEP_DISABLE_SYS_PLUGINS_ - do not load plugins, located in
     the system's plugin directory.
 _TEP_DISABLE_PLUGINS_  - do not load any plugins.
--
```

The *tep_set_flag()* API needs to be called before *tep_load_plugins()*,
if
loading of all plugins is not the desired case.

The *tep_unload_plugins()* function unloads the plugins, previously loaded by
tep_load_plugins(). The _tep_ argument is trace event parser context. The
_plugin_list_ is the list of loaded plugins, returned by
the *tep_load_plugins()* function.

The *tep_load_plugins_hook()* function walks through all directories with plugins
and calls user specified *load_plugin()* hook for each plugin file. Only files
with given _suffix_ are considered to be plugins. The _data_ is a user specified
context, passed to *load_plugin()*. Directories and the walk order are the same
as in *tep_load_plugins()* API.

The *tep_add_plugin_path()* functions adds additional directories with plugins in the _tep_->plugins_dir list. It must be called before *tep_load_plugins()* in order for the plugins from the new directories to be loaded. The _tep_ argument is the trace event parser context. The _path_ is the full path to the new plugin directory. The _prio_
argument specifies the loading priority order for the
new directory of plugins. The loading priority is important in case of different versions of the same plugin located in multiple plugin directories.The last loaded plugin wins. The priority can be:
[verse]
--
_TEP_PLUGIN_FIRST_ - Load plugins from this directory first
_TEP_PLUGIN_LAST_ - Load plugins from this directory last
--
Where the plugins in TEP_PLUGIN_LAST" will take precedence over the plugins in the other directories.

The *tep_plugin_add_option()* sets options defined by a plugin. The _name_ is the name of the option to set to _val_. Plugins can add options to change its behavior and *tep_plugin_add_option()* is used by the application to make those modifications.

RETURN VALUE

The *tep_load_plugins()* function returns a list of successfully loaded plugins, or NULL in case no plugins are loaded.
The *tep_add_plugin_path()* function returns -1 in case of an error, 0 otherwise.

EXAMPLE

[source,c]
--
#include
<event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
tep_add_plugin_path(tep, "~/dev_plugins", TEP_PLUGIN_LAST);
...
struct tep_plugin_list *plugins = tep_load_plugins(tep);
if (plugins == NULL) {
/* no plugins are loaded */
}
...
tep_unload_plugins(plugins, tep);
...
void print_plugin(struct tep_handle *tep, const char *path,

```
    const char *name, void *data)
{
 pritnf("Found libtraceevent plugin %s/%s\n", path, name);
}
...
tep_load_plugins_hook(tep, ".so", print_plugin, NULL);
...
```
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1), *tep_set_flag*(3)

AUTHOR

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https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

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* /libtraceevent-1-8-2-tar-gz/libtraceevent-1.8.2/Documentation/libtraceevent-plugins.txt
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libtraceevent(3)

==========

NAME
----
tep_get_cpus, tep_set_cpus - Get / set the number of CPUs, which have a tracing
buffer representing it. Note, the buffer may be empty.

SYNOPSIS

[verse]
--
#include <event-parse.h>

int *tep_get_cpus*(struct tep_handle pass:[*]_tep_);
void *tep_set_cpus*(struct tep_handle pass:[*]_tep_, int _cpus_);
--

DESCRIPTION

The *tep_get_cpus()* function gets the number of CPUs, which have a tracing
buffer representing it. The _tep_ argument is trace event parser context.

The *tep_set_cpus()* function sets the number of CPUs, which have a tracing
buffer representing it. The _tep_ argument is trace event parser context.
The _cpu_ argument is the number of CPUs with tracing data.

RETURN VALUE

The *tep_get_cpus()* functions returns the number of CPUs, which have tracing
data recorded.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct
 tep_handle *tep = tep_alloc();
...
 tep_set_cpus(tep, 5);
...
 printf("We have tracing data for %d CPUs", tep_get_cpus(tep));
--

FILES

[verse]

--
event-parse.h
Header file to include in order to have access to the library APIs.
-ltraceevent
Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
REPORTING BUGS

Report bugs to <linux-trace-devel@vger.kernel.org>

LICENSE
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libtraceevent(3)
================

NAME
----
trace_seq_init, trace_seq_destroy, trace_seq_reset, trace_seq_terminate,
trace_seq_putc, trace_seq_puts, trace_seq_printf, trace_seq_vprintf,
trace_seq_do_fprintf, trace_seq_do_printf -
Initialize / destroy a trace sequence.

SYNOPSIS

[verse]
--

#include <event-parse.h>
#include <trace-seq.h>

void *trace_seq_init*(struct trace_seq pass:[*]_s_);
void *trace_seq_destroy*(struct trace_seq pass:[*]_s_);
void *trace_seq_reset*(struct trace_seq pass:[*]_s_);
void *trace_seq_terminate*(struct trace_seq pass:[*]_s_);
int *trace_seq_putc*(struct trace_seq pass:[*]_s_, unsigned char _c_);
int *trace_seq_puts*(struct trace_seq pass:[*]_s_, const char pass:[*]_str_);
int *trace_seq_printf*(struct trace_seq pass:[*]_s_, const char pass:[*]_fmt_, _..._);
int *trace_seq_vprintf*(struct trace_seq pass:[*]_s_, const char pass:[*]_fmt_, va_list _args_);
int *trace_seq_do_printf*(struct
trace_seq pass:[*]_s_);
int *trace_seq_do_fprintf*(struct trace_seq pass:[*]_s_, FILE pass:[*]_fp_);
--

DESCRIPTION

Trace sequences are used to allow a function to call several other functions
to create a string of data to use.

The *trace_seq_init()* function initializes the trace sequence _s_.

The *trace_seq_destroy()* function destroys the trace sequence _s_ and frees
all its resources that it had used.

The *trace_seq_reset()* function re-initializes the trace sequence _s_. All
characters already written in _s_ will be deleted.

The *trace_seq_terminate()* function terminates the trace sequence _s_. It puts
the null character pass:['\0'] at the end of the buffer.

The *trace_seq_putc()* function puts a single character _c_ in the trace
sequence _s_.

The *trace_seq_puts()* function puts a NULL terminated string _str_ in the
trace sequence _s_.

The *trace_seq_printf()* function puts a formated string _fmt _with
variable arguments _..._ in the trace sequence
_s_.

The *trace_seq_vprintf()* function puts a formated string _fmt _with
list of arguments _args_ in the trace sequence _s_.

The *trace_seq_do_printf()* function prints the buffer of trace sequence _s_ to
the standard output stdout.

The *trace_seq_do_fprintf()* function prints the buffer of trace sequence _s_
to the given file _fp_.

RETURN VALUE

Both *trace_seq_putc()* and *trace_seq_puts()* functions return the number of
characters put in the trace sequence, or 0 in case of an error

Both *trace_seq_printf()* and *trace_seq_vprintf()* functions return 0 if the
trace oversizes the buffer's free space, the number of characters printed, or
a negative value in case of an error.

Both *trace_seq_do_printf()* and *trace_seq_do_fprintf()* functions return the
number of printed characters, or -1 in case of an error.

EXAMPLE

[source,c]
--
```
#include <event-parse.h>
#include <trace-seq.h>
...
struct trace_seq seq;
trace_seq_init(&seq);
...
void foo_seq_print(struct trace_seq
 *tseq, char *format, ...)
{
 va_list ap;
 va_start(ap, format);
 if (trace_seq_vprintf(tseq, format, ap) <= 0) {
  /* Failed to print in the trace sequence */
 }
 va_end(ap);
}

trace_seq_reset(&seq);

char *str = " MAN page example";
if (trace_seq_puts(&seq, str) != strlen(str)) {
 /* Failed to put str in the trace sequence */
}
if (trace_seq_putc(&seq, ':') != 1) {
 /* Failed to put ':' in the trace sequence */
}
if (trace_seq_printf(&seq, " trace sequence: %d", 1) <= 0) {
 /* Failed to print in the trace sequence */
}
```

```
foo_seq_print( &seq, "  %d\n", 2);

trace_seq_terminate(&seq);
...

if (trace_seq_do_printf(&seq) < 0 ) {
 /* Failed to print the sequence buffer to the standard output */
}
FILE *fp = fopen("trace.txt", "w");
if (trace_seq_do_fprintf(&seq, fp) < 0 ) [
 /* Failed to print the sequence buffer to the trace.txt file */
}

trace_seq_destroy(&seq);
...
```
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
trace-seq.h
 Header
 file to include in order to have access to trace sequences related APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
---
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
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LICENSE
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https://git.kernel.org/pub/scm/libs/libtrace/libtraceevent.git/

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libtraceevent(3)
==========

NAME
---
tep_find_function,tep_find_function_address,tep_find_function_info - Find function name / start address.

SYNOPSIS

[verse]
--
#include <event-parse.h>

const char pass:[*]*tep_find_function*(struct tep_handle pass:[*]_tep_, unsigned long long _addr_);
unsigned long long *tep_find_function_address*(struct tep_handle pass:[*]_tep_, unsigned long long _addr_);
int *tep_find_function_info*(struct tep_handle pass:[*]_tep_, unsigned long long _addr_, const char
pass:[**]_name_,
    unsigned long long pass:[*]_start_, unsigned long pass:[*]_size_);
--

DESCRIPTION

These functions can be used to find function name and start address, by given
address. The given address does not have to be exact, it will select the function
that would contain it.

The *tep_find_function()* function returns the function name, which contains the
given address _addr_. The _tep_
 argument is the trace event parser context.

The *tep_find_function_address()* function returns the function start address,
by given address _addr_. The _addr_ does not have to be exact, it will select the
function that would contain it. The _tep_ argument is the trace event parser context.

The *tep_find_function_info()* function retrieves the _name_, starting address (_start_),
and the function text _size_ of the function at _address_, if it is found. Note,
if the _tep_ handle has a function resolver (used by perf), then _size_ is set to
zero.

RETURN VALUE

The *tep_find_function()* function returns the function name, or NULL in case
it cannot be found.

The *tep_find_function_address()* function returns the function start address,
or 0 in case it cannot be found.

The *tep_find_function_info()* function returns 1 if a function is found for the
given address, or 0 if it is not.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
void
 show_function_name(unsigned long long addr)
{
 const char *fname = tep_find_function(tep, addr);

 if (fname)
  printf("Found function %s at 0x%0llx\n", fname, addr);
 else
  printf("No function found at 0x%0llx\n", addr);
}

void show_function_start_addr(unsigned long long addr)
{
 const char *fname = tep_find_function(tep, addr);
 unsigned long long fstart;

 if (!fname) {
  printf("No function found at 0x%0llx\n", addr);
  return;
 }

 fstart = tep_find_function_address(tep, addr);
 printf("Function %s at 0x%llx starts at 0x%0llx\n",
        fname, addr, fstart);
}

void show_function_info(unsigned long long addr)
{
 const char *fname;

```
 unsigned long long fstart;
 unsigned long size;

 ret = tep_find_function_info(tep, addr, &fname, &fstart, &size);
 if (!ret) {
  printf("No function found at 0x%0lx\n", addr);
  return;
 }

 printf("Function %s at 0x%lx starts at 0x%0lx and is %ld in size\n",
        fname, addr, fstart, size);
}
...
--

FILES
-----
[verse]
--
*event-parse.h*
 Header
 file to include in order to have access to the library APIs.
*-ltraceevent*
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
--------
*libtraceevent*(3), *trace-cmd*(1)

AUTHOR
------
[verse]
--
*Steven Rostedt* <rostedt@goodmis.org>, author of *libtraceevent*.
*Tzvetomir Stoyanov* <tz.stoyanov@gmail.com>, author of this man page.
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RESOURCES
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```

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libtraceevent(3)
==========

NAME
----
libtraceevent - Linux kernel trace event library

SYNOPSIS

[verse]
--
#include <event-parse.h>

Management of tep handler data structure and access of its members:
 struct tep_handle pass:[*]*tep_alloc*(void);
 void *tep_free*(struct tep_handle pass:[*]_tep_);
 void *tep_ref*(struct tep_handle pass:[*]_tep_);
 void *tep_unref*(struct tep_handle pass:[*]_tep_);
 int *tep_get_ref*(struct tep_handle pass:[*]_tep_);
 void *tep_set_flag*(struct tep_handle pass:[*]_tep_, enum tep_flag _flag_);
 void *tep_clear_flag*(struct tep_handle pass:[*]_tep_, enum tep_flag _flag_);
 bool *tep_test_flag*(struct tep_handle pass:[*]_tep_, enum tep_flag _flags_);
 int *tep_get_cpus*(struct tep_handle pass:[*]_tep_);
 void *tep_set_cpus*(struct tep_handle pass:[*]_tep_, int _cpus_);
 int *tep_get_long_size*(strucqt tep_handle pass:[*]_tep_);
 void *tep_set_long_size*(struct tep_handle
 pass:[*]_tep_, int _long_size_);
 int *tep_get_page_size*(struct tep_handle pass:[*]_tep_);
 void *tep_set_page_size*(struct tep_handle pass:[*]_tep_, int _page_size_);
 int *tep_get_sub_buffer_size*(struct tep_handle pass:[*]_tep_);
 int *tep_get_sub_buffer_data_size*(struct tep_handle pass:[*]_tep_);
 int *tep_get_sub_buffer_commit_offset*(struct tep_handle pass:[*]_tep_);
 int *tep_get_header_page_size*(struct tep_handle pass:[*]_tep_);
 int *tep_get_header_timestamp_size*(struct tep_handle pass:[*]_tep_);
 bool *tep_is_old_format*(struct tep_handle pass:[*]_tep_);
 int *tep_strerror*(struct tep_handle pass:[*]_tep_, enum tep_errno _errnum_, char pass:[*]_buf_, size_t _buflen_);
 struct kbuffer pass:[*]*tep_kbuffer*(struct tep_handle pass:[*]_tep_);

Register / unregister APIs:
 int *tep_register_function*(struct tep_handle pass:[*]_tep_, char pass:[*]_name_, unsigned long long _addr_, char
pass:[*]_mod_);
 int *tep_register_event_handler*(struct tep_handle pass:[*]_tep_, int _id_,

```
 const char pass:[*]_sys_name_, const char pass:[*]_event_name_, tep_event_handler_func _func_, void
pass:[*]_context_);
 int *tep_unregister_event_handler*(struct tep_handle pass:[*]tep, int id, const char pass:[*]sys_name, const char
pass:[*]event_name, tep_event_handler_func func, void pass:[*]_context_);
 int *tep_register_print_string*(struct tep_handle pass:[*]_tep_, const char pass:[*]_fmt_, unsigned long long
_addr_);
 int *tep_register_print_function*(struct tep_handle pass:[*]_tep_, tep_func_handler _func_, enum
tep_func_arg_type _ret_type_, char pass:[*]_name_, _..._);
 int *tep_unregister_print_function*(struct tep_handle pass:[*]_tep_, tep_func_handler _func_, char
pass:[*]_name_);
 int *tep_get_function_count*(struct tep_handle *_tep_);

Trace printk parsing:
 void *tep_print_printk*(struct tep_handle pass:[*]tep);
 void *tep_print_funcs*(struct tep_handle pass:[*]tep);
 void *tep_set_test_filters*(struct tep_handle pass:[*]tep, int test_filters);
 void *tep_plugin_print_options*(struct
 trace_seq pass:[*]s);
 int *tep_plugin_add_option*(const char pass:[*]_name_, const char pass:[*]_val_);

Meta data parsing:
 int *tep_parse_saved_cmdlines*(struct tep_handle pass:[*]_tep_, const char pass:[*]_buf_);
 int *tep_parse_printk_formats*(struct tep_handle pass:[*]_tep_, const char pass:[*]_buf_);
 int *tep_parse_kallsyms*(struct tep_handle pass:[*]_tep_, const char pass:[*]_buf_);

Plugins management:
 struct tep_plugin_list pass:[*]*tep_load_plugins*(struct tep_handle pass:[*]_tep_);
 void *tep_unload_plugins*(struct tep_plugin_list pass:[*]_plugin_list_, struct tep_handle pass:[*]_tep_);
 char pass:[*]pass:[*]*tep_plugin_list_options*(void);
 void *tep_plugin_free_options_list*(char pass:[*]pass:[*]_list_);
 int *tep_plugin_add_options*(const char pass:[*]_name_, struct tep_plugin_option pass:[*]_options_);
 void *tep_plugin_remove_options*(struct tep_plugin_option pass:[*]_options_);
 void *tep_print_plugins*(struct trace_seq pass:[*]_s_, const char pass:[*]_prefix_,
 const char pass:[*]_suffix_, const struct tep_plugin_list pass:[*]_list_);
 void *tep_load_plugins_hook*(struct tep_handle pass:[*]_tep_, const char pass:[*]_suffix_,
     void (pass:[*]_load_plugin_)(struct tep_handle pass:[*]tep,
          const char pass:[*]path,
          const char pass:[*]name,
          void pass:[*]data),
     void pass:[*]_data_);
 int *tep_add_plugin_path*(struct tep_handle pass:[*]tep, char pass:[*]path,
    enum tep_plugin_load_priority prio);

Event related APIs:
 struct tep_event pass:[*]*tep_get_event*(struct tep_handle pass:[*]_tep_, int _index_);
 struct tep_event pass:[*]*tep_get_first_event*(struct tep_handle pass:[*]_tep_);
 int *tep_get_events_count*(struct tep_handle pass:[*]_tep_);
 struct tep_event pass:[*]pass:[*]*tep_list_events*(struct tep_handle pass:[*]_tep_, enum tep_event_sort_type
```

_sort_type_);
 struct tep_event pass:[*]pass:[*]*tep_list_events_copy*(struct tep_handle pass:[*]_tep_, enum tep_event_sort_type _sort_type_);
 void
 tep_print_event(struct tep_handle pass:[*]_tep_, struct trace_seq pass:[*]_s_, struct tep_record pass:[*]_record_, const char pass:[*]_fmt_, _..._);

Event finding:
 struct tep_event pass:[*]*tep_find_event*(struct tep_handle pass:[*]_tep_, int _id_);
 struct tep_event pass:[*]*tep_find_event_by_name*(struct tep_handle pass:[*]_tep_, const char pass:[*]_sys_, const char pass:[*]_name_);
 struct tep_event pass:[*]*tep_find_event_by_record*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_record_);
 bool *tep_record_is_event*(struct tep_record pass:[*]record, struct tep_event pass:[*]event);

Parsing of event files:
 int *tep_parse_header_page*(struct tep_handle pass:[*]_tep_, char pass:[*]_buf_, unsigned long _size_, int _long_size_);
 enum tep_errno *tep_parse_event*(struct tep_handle pass:[*]_tep_, const char pass:[*]_buf_, unsigned long _size_, const char pass:[*]_sys_);
 enum tep_errno *tep_parse_format*(struct tep_handle pass:[*]_tep_, struct tep_event pass:[*]pass:[*]_eventp_,
 const char pass:[*]_buf_, unsigned long _size_, const char pass:[*]_sys_);

APIs related to fields from event's format files:
 struct tep_format_field pass:[*]pass:[*]*tep_event_common_fields*(struct tep_event pass:[*]_event_);
 struct tep_format_field pass:[*]pass:[*]*tep_event_fields*(struct tep_event pass:[*]_event_);
 void pass:[*]*tep_get_field_raw*(struct trace_seq pass:[*]_s_, struct tep_event pass:[*]_event_, const char pass:[*]_name_, struct tep_record pass:[*]_record_, int pass:[*]_len_, int _err_);
 int *tep_get_field_val*(struct trace_seq pass:[*]_s_, struct tep_event pass:[*]_event_, const char pass:[*]_name_, struct tep_record pass:[*]_record_, unsigned long long pass:[*]_val_, int _err_);
 int *tep_get_common_field_val*(struct trace_seq pass:[*]_s_, struct tep_event pass:[*]_event_, const char pass:[*]_name_, struct tep_record pass:[*]_record_, unsigned long long pass:[*]_val_, int _err_);
 int *tep_get_any_field_val*(struct trace_seq pass:[*]_s_, struct
 tep_event pass:[*]_event_, const char pass:[*]_name_, struct tep_record pass:[*]_record_, unsigned long long pass:[*]_val_, int _err_);
 int *tep_read_number_field*(struct tep_format_field pass:[*]_field_, const void pass:[*]_data_, unsigned long long pass:[*]_value_);

Event fields printing:
 void *tep_print_field_content*(struct trace_seq pass:[*]_s_, void pass:[*]_data_, int size, struct tep_format_field pass:[*]_field_);
 void *tep_print_fields*(struct trace_seq pass:[*]_s_, void pass:[*]_data_, int _size_, struct tep_event pass:[*]_event_);
 int *tep_print_num_field*(struct trace_seq pass:[*]_s_, const char pass:[*]_fmt_, struct tep_event pass:[*]_event_, const char pass:[*]_name_, struct tep_record pass:[*]_record_, int _err_);
 int *tep_print_func_field*(struct trace_seq pass:[*]_s_, const char pass:[*]_fmt_, struct tep_event pass:[*]_event_, const char pass:[*]_name_, struct tep_record pass:[*]_record_, int _err_);
 void *tep_record_print_fields*(struct trace_seq pass:[*]_s_,

struct tep_record pass:[*]_record_, struct tep_event pass:[*]_event_);
void *tep_record_print_selected_fields*(struct trace_seq pass:[*]_s_, struct tep_record pass:[*]_record_, struct tep_event pass:[*]_event_, int _select_mask_);

Event fields finding:
struct tep_format_field pass:[*]*tep_find_common_field*(struct tep_event pass:[*]_event_, const char pass:[*]_name_);
struct tep_format_field pass:[*]*tep_find_field*(struct tep_event_ormat pass:[*]_event_, const char pass:[*]_name_);
struct tep_format_field pass:[*]*tep_find_any_field*(struct tep_event pass:[*]_event_, const char pass:[*]_name_);

Functions resolver:
int *tep_set_function_resolver*(struct tep_handle pass:[*]_tep_, tep_func_resolver_t pass:[*]_func_, void pass:[*]_priv_);
void *tep_reset_function_resolver*(struct tep_handle pass:[*]_tep_);
const char pass:[*]*tep_find_function*(struct tep_handle pass:[*]_tep_, unsigned long long _addr_);
unsigned long long *tep_find_function_address*(struct tep_handle pass:[*]_tep_,
unsigned long long _addr_);
int *tep_find_function_info*(struct tep_handle pass:[*]_tep_, unsigned long long _addr_, const char pass:[**]_name_,
    unsigned long long pass:[*]_start_, unsigned long pass:[*]_size_);

Filter management:
struct tep_event_filter pass:[*]*tep_filter_alloc*(struct tep_handle pass:[*]_tep_);
enum tep_errno *tep_filter_add_filter_str*(struct tep_event_filter pass:[*]_filter_, const char pass:[*]_filter_str_);
enum tep_errno *tep_filter_match*(struct tep_event_filter pass:[*]_filter_, struct tep_record pass:[*]_record_);
int *tep_filter_strerror*(struct tep_event_filter pass:[*]_filter_, enum tep_errno _err_, char pass:[*]buf, size_t _buflen_);
int *tep_event_filtered*(struct tep_event_filter pass:[*]_filter_, int _event_id_);
void *tep_filter_reset*(struct tep_event_filter pass:[*]_filter_);
void *tep_filter_free*(struct tep_event_filter pass:[*]_filter_);
char pass:[*]*tep_filter_make_string*(struct tep_event_filter pass:[*]_filter_, int
_event_id_);
int *tep_filter_remove_event*(struct tep_event_filter pass:[*]_filter_, int _event_id_);
int *tep_filter_copy*(struct tep_event_filter pass:[*]_dest_, struct tep_event_filter pass:[*]_source_);
int *tep_filter_compare*(struct tep_event_filter pass:[*]_filter1_, struct tep_event_filter pass:[*]_filter2_);

Parsing various data from the records:
int *tep_data_type*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_rec_);
int *tep_data_pid*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_rec_);
int *tep_data_preempt_count*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_rec_);
int *tep_data_flags*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_rec_);

Command and task related APIs:
const char pass:[*]*tep_data_comm_from_pid*(struct tep_handle pass:[*]_tep_, int _pid_);
struct cmdline pass:[*]*tep_data_pid_from_comm*(struct tep_handle pass:[*]_tep_, const char pass:[*]_comm_, struct cmdline pass:[*]_next_);
int *tep_register_comm*(struct

tep_handle pass:[*]_tep_, const char pass:[*]_comm_, int _pid_);
int *tep_override_comm*(struct tep_handle pass:[*]_tep_, const char pass:[*]_comm_, int _pid_);
bool *tep_is_pid_registered*(struct tep_handle pass:[*]_tep_, int _pid_);
int *tep_cmdline_pid*(struct tep_handle pass:[*]_tep_, struct cmdline pass:[*]_cmdline_);

Endian related APIs:
int *tep_is_bigendian*(void);
unsigned long long *tep_read_number*(struct tep_handle pass:[*]_tep_, const void pass:[*]_ptr_, int _size_);
bool *tep_is_file_bigendian*(struct tep_handle pass:[*]_tep_);
void *tep_set_file_bigendian*(struct tep_handle pass:[*]_tep_, enum tep_endian _endian_);
bool *tep_is_local_bigendian*(struct tep_handle pass:[*]_tep_);
void *tep_set_local_bigendian*(struct tep_handle pass:[*]_tep_, enum tep_endian _endian_);

Control library logs:
int *tep_set_loglevel*(enum tep_loglevel _level_);

KVM plugin calllbacks: (Defined by the application and complied with -rdynamic)
const char pass:[*]*tep_plugin_kvm_get_func*(struct
tep_event pass:[*]event,
struct tep_record pass:[*]record,
unsigned long long pass:[*]paddr);
void *tep_plugin_kvm_put_func*(const char pass:[*]func);

Trace sequences:
#include <trace-seq.h>
void *trace_seq_init*(struct trace_seq pass:[*]_s_);
void *trace_seq_reset*(struct trace_seq pass:[*]_s_);
void *trace_seq_destroy*(struct trace_seq pass:[*]_s_);
int *trace_seq_printf*(struct trace_seq pass:[*]_s_, const char pass:[*]_fmt_, ...);
int *trace_seq_vprintf*(struct trace_seq pass:[*]_s_, const char pass:[*]_fmt_, va_list _args_);
int *trace_seq_puts*(struct trace_seq pass:[*]_s_, const char pass:[*]_str_);
int *trace_seq_putc*(struct trace_seq pass:[*]_s_, unsigned char _c_);
void *trace_seq_terminate*(struct trace_seq pass:[*]_s_);
int *trace_seq_do_fprintf*(struct trace_seq pass:[*]_s_, FILE pass:[*]_fp_);
int *trace_seq_do_printf*(struct trace_seq pass:[*]_s_);

kbuffer parsing:
#include <kbuffer.h>
struct kbuffer pass:[*]*kbuffer_alloc*(enum
kbuffer_long_size _size_, enum kbuffer_endian _endian_);
struct kbuffer pass:[*]*kbuffer_dup*(struct kbuffer pass:[*]_kbuf_);
void *kbuffer_free*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_load_subbuffer*(struct kbuffer pass:[*]_kbuf_, void pass:[*]_subbuffer_);
int *kbuffer_subbuffer_size*(struct kbuffer pass:[*]_kbuf);
void pass:[*]*kbuffer_subbuffer*(struct kbuffer pass:[*]_kbuf);
int *kbuffer_refresh*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_start_of_data*(struct kbuffer pass:[*]_kbuf_);
unsigned long long *kbuffer_timestamp*(struct kbuffer pass:[*]_kbuf_);

unsigned long long *kbuffer_subbuf_timestamp*(struct kbuffer pass:[*]_kbuf_, void pass:[*]_subbuf_);
void pass:[*]*kbuffer_read_event*(struct kbuffer pass:[*]_kbuf_, unsigned long long pass:[*]_ts_);
void pass:[*]*kbuffer_next_event*(struct kbuffer pass:[*]_kbuf_, unsigned long long pass:[*]_ts_);
void pass:[*]*kbuffer_read_at_offset*(struct kbuffer pass:[*]_kbuf_, int _offset_, unsigned long
long pass:[*]_ts_);
int *kbuffer_missed_events*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_event_size*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_curr_size*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_curr_offset*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_curr_index*(struct kbuffer pass:[*]_kbuf_);
int *kbuffer_read_buffer*(struct kbuffer pass:[*]_kbuf_, void pass:[*]_buffer_, int _start_, int _len_);
--

DESCRIPTION

The libtraceevent(3) library provides APIs to access kernel tracepoint events,
located in the tracefs file system under the events directory.

ENVIRONMENT

[verse]
--
TRACEEVENT_PLUGIN_DIR
Additional plugin directory. All shared object files, located in this directory will be loaded as traceevent plugins.
--

FILES

[verse]
--
event-parse.h
Header file to include in order to have access to the library APIs.
trace-seq.h
Header file to include in order to have access to trace sequences related APIs.
Trace sequences are used
to allow a function to call several other functions
to create a string of data to use.
-ltraceevent
Linker switch to add when building a program that uses the library.
--

SEE ALSO
---
trace-cmd(1)

AUTHOR

[verse]

--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
REPORTING BUGS

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RESOURCES
---
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libtraceevent(3)
==========

NAME
---
tep_data_type, tep_data_pid,tep_data_preempt_count, tep_data_flags -
Extract common fields from a record.

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum *trace_flag_type* {
 _TRACE_FLAG_IRQS_OFF_,
 _TRACE_FLAG_IRQS_NOSUPPORT_,
 _TRACE_FLAG_NEED_RESCHED_,
 _TRACE_FLAG_HARDIRQ_,
 _TRACE_FLAG_SOFTIRQ_,
};

int *tep_data_type*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_rec_);
int *tep_data_pid*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_rec_);
int *tep_data_preempt_count*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_rec_);
int *tep_data_flags*(struct tep_handle pass:[*]_tep_, struct tep_record pass:[*]_rec_);
--

DESCRIPTION

This set of functions can be used to extract common fields from a record.

The *tep_data_type()* function gets the event id from the record _rec_.
It reads the "common_type" field.
The _tep_ argument is the trace event parser
context.

The *tep_data_pid()* function gets the process id from the record _rec_.
It reads the "common_pid" field. The _tep_ argument is the trace event parser
context.

The *tep_data_preempt_count()* function gets the preemption count from the
record _rec_. It reads the "common_preempt_count" field. The _tep_ argument is
the trace event parser context.

The *tep_data_flags()* function gets the latency flags from the record _rec_.
It reads the "common_flags" field. The _tep_ argument is the trace event parser
context. Supported latency flags are:
[verse]
--
_TRACE_FLAG_IRQS_OFF_, Interrupts are disabled.
_TRACE_FLAG_IRQS_NOSUPPORT_, Reading IRQ flag is not supported by the architecture.
_TRACE_FLAG_NEED_RESCHED_, Task needs rescheduling.
_TRACE_FLAG_HARDIRQ_, Hard IRQ is running.
_TRACE_FLAG_SOFTIRQ_, Soft IRQ is running.
--

RETURN VALUE

The *tep_data_type()* function returns an integer, representing the event id.

The
tep_data_pid() function returns an integer, representing the process id

The *tep_data_preempt_count()* function returns an integer, representing the
preemption count.

The *tep_data_flags()* function returns an integer, representing the latency
flags. Look at the _trace_flag_type_ enum for supported flags.

All these functions in case of an error return a negative integer.

EXAMPLE

[source,c]
--

```
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
void process_record(struct tep_record *record)
{
 int data;

 data = tep_data_type(tep, record);
 if (data >= 0) {
  /* Got the ID of the event */
 }

 data = tep_data_pid(tep, record);
 if (data >= 0) {
  /* Got the process ID */
 }

 data = tep_data_preempt_count(tep, record);
 if (data >= 0) {
  /* Got the preemption count */
 }

 data = tep_data_flags(tep, record);
 if (data >= 0) {
  /* Got the latency flags */
 }
}
...
```
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access
 to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
---
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
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libtraceevent(3)
==========

NAME
---
tep_parse_event, tep_parse_format - Parse the event format information

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum tep_errno *tep_parse_event*(struct tep_handle pass:[*]_tep_, const char pass:[*]_buf_, unsigned long _size_,
const char pass:[*]_sys_);
enum tep_errno *tep_parse_format*(struct tep_handle pass:[*]_tep_, struct tep_event pass:[*]pass:[*]_eventp_,
const char pass:[*]_buf_, unsigned long _size_, const char pass:[*]_sys_);
--

DESCRIPTION

The *tep_parse_event()* function parses the event format and creates an event
structure to quickly parse raw data for a given event. The _tep_ argument is
the trace event parser context. The created event structure is stored in the
tep context. The _buf_ argument is a buffer with _size_, where the event
format data is. The event format data can be taken from
tracefs/events/.../.../format files. The

sys argument is the system of
the event.

The *tep_parse_format()* function does the same as *tep_parse_event()*. The only
difference is in the extra _eventp_ argument, where the newly created event
structure is returned.

RETURN VALUE

Both *tep_parse_event()* and *tep_parse_format()* functions return 0 on success,
or TEP_ERRNO__... in case of an error.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
char *buf;
int size;
struct tep_event *event = NULL;
buf = read_file("/sys/kernel/tracing/events/ftrace/print/format", &size);
if (tep_parse_event(tep, buf, size, "ftrace") != 0) {
 /* Failed to parse the ftrace print format */
}

if (tep_parse_format(tep, &event, buf, size, "ftrace") != 0) {
 /* Failed to parse the ftrace print format */
}
...
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that
 uses the library.
--

SEE ALSO
---
libtraceevent(3), *trace-cmd*(1)

AUTHOR

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libtraceevent(3)
================

NAME
----
tep_filter_alloc, tep_filter_free, tep_filter_reset, tep_filter_make_string,
tep_filter_copy, tep_filter_compare, tep_filter_match, tep_event_filtered,
tep_filter_remove_event, tep_filter_strerror, tep_filter_add_filter_str -
Event filter related APIs.

SYNOPSIS

[verse]
--
#include <event-parse.h>

struct tep_event_filter pass:[*]*tep_filter_alloc*(struct tep_handle pass:[*]_tep_);
void *tep_filter_free*(struct tep_event_filter pass:[*]_filter_);
void *tep_filter_reset*(struct tep_event_filter pass:[*]_filter_);
enum tep_errno *tep_filter_add_filter_str*(struct tep_event_filter pass:[*]_filter_, const char pass:[*]_filter_str_);
int *tep_event_filtered*(struct tep_event_filter pass:[*]_filter_, int _event_id_);
int *tep_filter_remove_event*(struct tep_event_filter pass:[*]_filter_, int _event_id_);
enum tep_errno *tep_filter_match*(struct tep_event_filter pass:[*]_filter_,

struct tep_record pass:[*]_record_);
int *tep_filter_copy*(struct tep_event_filter pass:[*]_dest_, struct tep_event_filter pass:[*]_source_);
int *tep_filter_compare*(struct tep_event_filter pass:[*]_filter1_, struct tep_event_filter pass:[*]_filter2_);
char pass:[*]*tep_filter_make_string*(struct tep_event_filter pass:[*]_filter_, int _event_id_);
int *tep_filter_strerror*(struct tep_event_filter pass:[*]_filter_, enum tep_errno _err_, char pass:[*]buf, size_t _buflen_);
--

DESCRIPTION

Filters can be attached to traced events. They can be used to filter out various events when outputting them. Each event can be filtered based on its parameters, described in the event's format file. This set of functions can be used to create, delete, modify and attach event filters.

The *tep_filter_alloc()* function creates a new event filter. The _tep_ argument is the trace event parser context.

The *tep_filter_free()* function frees an event filter and all resources that it had
used.

The *tep_filter_reset()* function removes all rules from an event filter and resets it.

The *tep_filter_add_filter_str()* function adds a new rule to the _filter_. The _filter_str_ argument is the filter string, that contains the rule.

The *tep_event_filtered()* function checks if the event with _event_id_ has _filter_.

The *tep_filter_remove_event()* function removes a _filter_ for an event with _event_id_.

The *tep_filter_match()* function tests if a _record_ matches given _filter_.

The *tep_filter_copy()* function copies a _source_ filter into a _dest_ filter.

The *tep_filter_compare()* function compares two filers - _filter1_ and _filter2_.

The *tep_filter_make_string()* function constructs a string, displaying the _filter_ contents for given _event_id_.

The *tep_filter_strerror()* function copies the _filter_ error buffer into the given _buf_ with the size _buflen_. If the error buffer is empty, in the _buf_ is copied a string, describing the error _err_.

RETURN

VALUE

The *tep_filter_alloc()* function returns a pointer to the newly created event filter, or NULL in case of an error.

The *tep_filter_add_filter_str()* function returns 0 if the rule was successfully added or a negative error code. Use *tep_filter_strerror()* to see actual error message in case of an error.

The *tep_event_filtered()* function returns 1 if the filter is found for given event, or 0 otherwise.

The *tep_filter_remove_event()* function returns 1 if the vent was removed, or 0 if the event was not found.

The *tep_filter_match()* function returns _tep_errno_, according to the result:
[verse]
--
_pass:[TEP_ERRNO__FILTER_MATCH]_ - filter found for event, the record matches.
_pass:[TEP_ERRNO__FILTER_MISS]_ - filter found for event, the record does not match.
_pass:[TEP_ERRNO__FILTER_NOT_FOUND]_ - no filter found for record's event.
_pass:[TEP_ERRNO__NO_FILTER]_ - no rules in the filter.
--
or any other _tep_errno_, if an error occurred during the test.

The
tep_filter_copy() function returns 0 on success or -1 if not all rules were copied.

The *tep_filter_compare()* function returns 1 if the two filters hold the same content, or 0 if they do not.

The *tep_filter_make_string()* function returns a string, which must be freed with free(), or NULL in case of an error.

The *tep_filter_strerror()* function returns 0 if message was filled successfully, or -1 in case of an error.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
char errstr[200];
int ret;

```
struct tep_event_filter *filter = tep_filter_alloc(tep);
struct tep_event_filter *filter1 = tep_filter_alloc(tep);
ret = tep_filter_add_filter_str(filter, "sched/sched_wakeup:target_cpu==1");
if(ret < 0) {
 tep_filter_strerror(filter, ret, errstr, sizeof(errstr));
 /* Failed to add a new rule to the filter, the error string is in errstr */
}
if (tep_filter_copy(filter1, filter) != 0) {
 /* Failed to copy filter in filter1 */
}
...
if
 (tep_filter_compare(filter, filter1) != 1) {
 /* Both filters are different */
}
...
void process_record(struct tep_handle *tep, struct tep_record *record)
{
 struct tep_event *event;
 char *fstring;

 event = tep_find_event_by_record(tep, record);

 if (tep_event_filtered(filter, event->id) == 1) {
  /* The event has filter */
  fstring = tep_filter_make_string(filter, event->id);
  if (fstring != NULL) {
   /* The filter for the event is in fstring */
   free(fstring);
  }
 }

 switch (tep_filter_match(filter, record)) {
 case TEP_ERRNO__FILTER_MATCH:
  /* The filter matches the record */
  break;
 case TEP_ERRNO__FILTER_MISS:
  /* The filter does not match the record */
  break;
 case TEP_ERRNO__FILTER_NOT_FOUND:
  /* No filter found for record's event */
  break;
 case TEP_ERRNO__NO_FILTER:
  /* There are no rules in the filter */
  break
 default:
  /* An error occurred during the test */
```

```
 break;
 }

 if (tep_filter_remove_event(filter, event->id) == 1) {
  /* The event was removed
 from the filter */
 }
}

...
tep_filter_reset(filter);
...
tep_filter_free(filter);
tep_filter_free(filter1);
...
```
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
--
REPORTING BUGS

Report bugs to <linux-trace-devel@vger.kernel.org>

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RESOURCES
----

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libtraceevent(3)
==========

NAME
----
tep_read_number - Reads a number from raw data.

SYNOPSIS

[verse]
--
#include <event-parse.h>

unsigned long long *tep_read_number*(struct tep_handle pass:[*]_tep_, const void pass:[*]_ptr_, int _size_);
--

DESCRIPTION

The *tep_read_number()* function reads an integer from raw data, taking into
account the endianness of the raw data and the current host. The _tep_ argument
is the trace event parser context. The _ptr_ is a pointer to the raw data, where
the integer is, and the _size_ is the size of the integer.

RETURN VALUE

The *tep_read_number()* function returns the integer in the byte order of
the current host. In case of an error, 0 is returned.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
void process_record(struct tep_record *record)
{
 int offset = 24;
 int data = tep_read_number(tep,
 record->data + offset, 4);

```
 /* Read the 4 bytes at the offset 24 of data as an integer */
}
...
--

FILES
-----
[verse]
--
*event-parse.h*
 Header file to include in order to have access to the library APIs.
*-ltraceevent*
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
--------
*libtraceevent*(3), *trace-cmd*(1)

AUTHOR
------
[verse]
--
*Steven Rostedt* <rostedt@goodmis.org>, author of *libtraceevent*.
*Tzvetomir Stoyanov* <tz.stoyanov@gmail.com>, author of this man page.
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libtraceevent(3)
================

NAME
----
tep_register_event_handler, tep_unregister_event_handler -  Register /
```

unregisters a callback function to parse an event information.

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum *tep_reg_handler* {
 _TEP_REGISTER_SUCCESS_,
 _TEP_REGISTER_SUCCESS_OVERWRITE_,
};

int *tep_register_event_handler*(struct tep_handle pass:[*]_tep_, int _id_, const char pass:[*]_sys_name_, const char pass:[*]_event_name_, tep_event_handler_func _func_, void pass:[*]_context_);
int *tep_unregister_event_handler*(struct tep_handle pass:[*]tep, int id, const char pass:[*]sys_name, const char pass:[*]event_name, tep_event_handler_func func, void pass:[*]_context_);

typedef int (*pass:[*]tep_event_handler_func*)(struct trace_seq pass:[*]s, struct tep_record pass:[*]record, struct tep_event pass:[*]event, void pass:[*]context);
--

DESCRIPTION

The *tep_register_event_handler()*
 function registers a handler function,
which is going to be called to parse the information for a given event.
The _tep_ argument is the trace event parser context. The _id_ argument is
the id of the event. The _sys_name_ argument is the name of the system,
the event belongs to. The _event_name_ argument is the name of the event.
If _id_ is >= 0, it is used to find the event, otherwise _sys_name_ and
_event_name_ are used. The _func_ is a pointer to the function, which is going
to be called to parse the event information. The _context_ argument is a pointer
to the context data, which will be passed to the _func_. If a handler function
for the same event is already registered, it will be overridden with the new
one. This mechanism allows a developer to override the parsing of a given event.
If for some reason the default print format is not sufficient, the developer
can register a function for an event to be used to parse the data instead.

The *tep_unregister_event_handler()* function
 unregisters the handler function,
previously registered with *tep_register_event_handler()*. The _tep_ argument
is the trace event parser context. The _id_, _sys_name_, _event_name_, _func_,
and _context_ are the same arguments, as when the callback function _func_ was
registered.

The _tep_event_handler_func_ is the type of the custom event handler
function. The _s_ argument is the trace sequence, it can be used to create a

custom string, describing the event. A _record_ to get the event from is passed
as input parameter and also the _event_ - the handle to the record's event. The
context is custom context, set when the custom event handler is registered.

RETURN VALUE

The *tep_register_event_handler()* function returns _TEP_REGISTER_SUCCESS_
if the new handler is registered successfully or
_TEP_REGISTER_SUCCESS_OVERWRITE_ if an existing handler is overwritten.
If there is not enough memory to complete the registration,
TEP_ERRNO__MEM_ALLOC_FAILED is returned.

The
tep_unregister_event_handler() function returns 0 if _func_ was removed
successful or, -1 if the event was not found.

The _tep_event_handler_func_ should return -1 in case of an error,
or 0 otherwise.

EXAMPLE

[source,c]
--
#include <event-parse.h>
#include <trace-seq.h>
...
struct tep_handle *tep = tep_alloc();
...
int timer_expire_handler(struct trace_seq *s, struct tep_record *record,
    struct tep_event *event, void *context)
{
 trace_seq_printf(s, "hrtimer=");

 if (tep_print_num_field(s, "0x%llx", event, "timer", record, 0) == -1)
  tep_print_num_field(s, "0x%llx", event, "hrtimer", record, 1);

 trace_seq_printf(s, " now=");

 tep_print_num_field(s, "%llu", event, "now", record, 1);

 tep_print_func_field(s, " function=%s", event, "function", record, 0);

 return 0;
}
...
 int ret;

 ret = tep_register_event_handler(tep, -1, "timer", "hrtimer_expire_entry",

```
     timer_expire_handler, NULL);
 if (ret < 0) {
  char buf[32];

  tep_strerror(tep, ret, buf, 32)
  printf("Failed
 to register handler for hrtimer_expire_entry: %s\n", buf);
 } else {
  switch (ret) {
  case TEP_REGISTER_SUCCESS:
   printf ("Registered handler for hrtimer_expire_entry\n");
   break;
  case TEP_REGISTER_SUCCESS_OVERWRITE:
   printf ("Overwrote handler for hrtimer_expire_entry\n");
   break;
  }
 }
...
 ret = tep_unregister_event_handler(tep, -1, "timer", "hrtimer_expire_entry",
       timer_expire_handler, NULL);
 if ( ret )
  printf ("Failed to unregister handler for hrtimer_expire_entry\n");
```

--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
trace-seq.h
 Header file to include in order to have access to trace sequences
 related APIs. Trace sequences are used to allow a function to call
 several other functions to create a string of data to use.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

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--
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libtraceevent(3)
==========

NAME
---
tep_strerror - Returns a string describing regular errno and tep error number.

SYNOPSIS

[verse]
--
#include <event-parse.h>

int *tep_strerror*(struct tep_handle pass:[*]_tep_, enum tep_errno _errnum_, char pass:[*]_buf_, size_t _buflen_);

--
DESCRIPTION

The *tep_strerror()* function converts tep error number into a human
readable string.
The _tep_ argument is trace event parser context. The _errnum_ is a regular
errno, defined in errno.h, or a tep error number. The string, describing this
error number is copied in the _buf_ argument. The _buflen_ argument is
the size of the _buf_.

It as a thread safe wrapper around strerror_r(). The library function has two
different behaviors - POSIX and GNU specific. The *tep_strerror()* API always
behaves as the POSIX version - the error string is copied in the user supplied
buffer.

RETURN VALUE

The
tep_strerror() function returns 0, if a valid _errnum_ is passed and the string is copied into _buf_. If _errnum_ is not a valid error number, -1 is returned and _buf_ is not modified.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
char buf[32];
char *pool = calloc(1, 128);
if (tep == NULL) {
 tep_strerror(tep, TEP_ERRNO__MEM_ALLOC_FAILED, buf, 32);
 printf ("The pool is not initialized, %s", buf);
}
...
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
---
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
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libtraceevent(3)
==========

NAME
----
tep_get_long_size, tep_set_long_size - Get / set the size of a long integer on
the machine, where the trace is generated, in bytes

SYNOPSIS

[verse]
--

#include <event-parse.h>

int *tep_get_long_size*(strucqt tep_handle pass:[*]_tep_);
void *tep_set_long_size*(struct tep_handle pass:[*]_tep_, int _long_size_);
--

DESCRIPTION

The *tep_get_long_size()* function returns the size of a long integer on the machine,
where the trace is generated. The _tep_ argument is trace event parser context.

The *tep_set_long_size()* function sets the size of a long integer on the machine,
where the trace is generated. The _tep_ argument is trace event parser context.
The _long_size_ is the size of a long integer, in bytes.

RETURN VALUE

The *tep_get_long_size()* function returns the size of a long integer on the machine,
where the trace is generated, in
bytes.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
tep_set_long_size(tep, 4);
...
int long_size = tep_get_long_size(tep);
...
--

FILES

[verse]
--
event-parse.h
Header file to include in order to have access to the library APIs.
-ltraceevent
Linker switch to add when building a program that uses the library.
--

SEE ALSO
---
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
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libtraceevent(3)
================

NAME
----
tep_event_common_fields, tep_event_fields - Get a list of fields for an event.

SYNOPSIS

[verse]
--
#include <event-parse.h>

struct tep_format_field pass:[*]pass:[*]*tep_event_common_fields*(struct tep_event pass:[*]_event_);
struct tep_format_field pass:[*]pass:[*]*tep_event_fields*(struct tep_event pass:[*]_event_);
--

DESCRIPTION

The *tep_event_common_fields()* function returns an array of pointers to common
fields for the _event_. The array is allocated in the function and must be freed
by free(). The last element of the array is NULL.

The *tep_event_fields()* function returns an array of pointers to event specific

fields for the _event_. The array is allocated in the function and must be freed
by free(). The last element of the array is NULL.

RETURN VALUE

Both *tep_event_common_fields()* and *tep_event_fields()* functions return
an
 array of pointers to tep_format_field structures in case of success, or
NULL in case of an error.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
int i;
struct tep_format_field **fields;
struct tep_event *event = tep_find_event_by_name(tep, "kvm", "kvm_exit");
if (event != NULL) {
 fields = tep_event_common_fields(event);
 if (fields != NULL) {
  i = 0;
  while (fields[i]) {
   /*
     walk through the list of the common fields
     of the kvm_exit event
   */
   i++;
  }
  free(fields);
 }
 fields = tep_event_fields(event);
 if (fields != NULL) {
  i = 0;
  while (fields[i]) {
   /*
     walk through the list of the event specific
     fields of the kvm_exit event
   */
   i++;
  }
  free(fields);
 }
}
...

--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3),
 trace-cmd(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
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libtraceevent(3)
================

NAME
----
tep_get_event, tep_get_first_event, tep_get_events_count - Access events.

SYNOPSIS

[verse]
--
#include <event-parse.h>

struct tep_event pass:[*]*tep_get_event*(struct tep_handle pass:[*]_tep_, int _index_);
struct tep_event pass:[*]*tep_get_first_event*(struct tep_handle pass:[*]_tep_);
int *tep_get_events_count*(struct tep_handle pass:[*]_tep_);
--

DESCRIPTION

The *tep_get_event()* function returns a pointer to event at the given _index_.
The _tep_ argument is trace event parser context, the _index_ is the index of
the requested event.

The *tep_get_first_event()* function returns a pointer to the first event.
As events are stored in an array, this function returns the pointer to the
beginning of the array. The _tep_ argument is trace event parser context.

The *tep_get_events_count()* function returns the number of the events
in the array. The _tep_
 argument is trace event parser context.

RETURN VALUE

The *tep_get_event()* returns a pointer to the event located at _index_.
NULL is returned in case of error, in case there are no events or _index_ is
out of range.

The *tep_get_first_event()* returns a pointer to the first event. NULL is
returned in case of error, or in case there are no events.

The *tep_get_events_count()* returns the number of the events. 0 is
returned in case of error, or in case there are no events.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
int i,count = tep_get_events_count(tep);
struct tep_event *event, *events = tep_get_first_event(tep);

if (events == NULL) {

```
 /* There are no events */
} else {
 for (i = 0; i < count; i++) {
  event = (events+i);
  /* process events[i] */
 }

 /* Get the last event */
 event = tep_get_event(tep, count-1);
}
```
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access
 to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
Tzvetomir Stoyanov <tz.stoyanov@gmail.com>, author of this man page.
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libtraceevent(3)
==========

NAME
----
tep_parse_saved_cmdlines, tep_parse_printk_formats, tep_parse_kallsyms
- Parsing functions to load mappings

SYNOPSIS

[verse]
--
#include <event-parse.h>

int *tep_parse_saved_cmdlines*(struct tep_handle pass:[*]_tep_, const char pass:[*]_buf_);
int *tep_parse_printk_formats*(struct tep_handle pass:[*]_tep_, const char pass:[*]_buf_);
int *tep_parse_kallsyms*(struct tep_handle pass:[*]_tep_, const char pass:[*]_buf_);
--

DESCRIPTION
----
tep_parse_saved_cmdlines() is a helper function to parse content in the tracefs
file system of the "saved_cmdlines" file (stored in a string buffer passed in by _buf_)
and loads the mapping of the process IDs (pid) to the comm names in the
tep handler. The events store the pid and this is used to be able to show the
process names associated to those process ids. It parses the string _buf_ that
holds the content of saved_cmdlines
 and ends with a nul character ('\0').

tep_parse_printk_formats() is a helper function to parse content in the tracefs
file system of the "printk_formats" file (stored in a string buffer passed in by _buf_)
and loads the mapping of addresses of strings that may be referenced by events.
Events only store the address of constant strings in the kernel, and the mapping
of their address to the string is exported to user space in the printk_formats
file. It parses the string _buf_ that holds the content of printk_formats and
ends with a nul character ('\0').

tep_parse_kallsyms() is a helper function to parse the Linux kernel /proc/kallsyms format
(stored in a string buffer passed in by _buf_) and load the functions into the
tep handler such that function IP addresses can be mapped to their name when
parsing events with %pS in the print format field. It parses the string _buf_ that
holds the content of /proc/kallsyms and ends with a nul character ('\0').

RETURN VALUE

The

tep_parse_saved_cmdlines() function returns 0 in case of success, or -1
in case of an error.

The *tep_parse_printk_formats*() function returns 0 in case of success, or -1
in case of an error.

The *tep_parse_kallsyms*() function returns 0 in case of success, or -1
in case of an error.

EXAMPLE

[source,c]
--
...
#include <event-parse.h>
#include <tracefs.h>
#include <stdlib.h>

int load_cmdlines(struct tep_handle *tep)
{
	char *buf = NULL;
	int r;

	buf = tracefs_instance_file_read(NULL, "saved_cmdlines", NULL);
	if (!buf)
		return -1;
	r = tep_parse_saved_cmdlines(tep, buf);
	free(buf);
	return r;
}

int load_print_strings(struct tep_handle *tep)
{
	char *buf = NULL;
	int r;

	buf = tracefs_instance_file_read(NULL, "printk_formats", NULL);
	if (!buf)
		return -1;
	r = tep_parse_printk_formats(tep, buf);
	free(buf);
	return r;
}

int load_kallsyms(struct
 tep_handle *tep)
{
	char *line = NULL;

```
	char *buf = NULL;
	size_t sz = 0;
	FILE *fp;
	int len = 0;
	int r;

	fp = fopen("/proc/kallsyms", "r");
	while ((r = getline(&line, &sz, fp)) >= 0) {
		buf = realloc(buf, len + r + 1);
		memcpy(buf + len, line, r);
		len += r;
	}
	free(line);
	fclose(fp);
	if (!buf)
		return -1;
	buf[len] = 0;

	r = tep_parse_kallsyms(tep, buf);
	free(buf);
	return r;
}
...
--
```

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1), *tep_register_comm*(3), *tep_register_function*(3),
tep_register_print_string(3)

AUTHOR

[verse]
--
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*Tzvetomir
 Stoyanov* <tz.stoyanov@gmail.com>, coauthor of *libtraceevent*.
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libtraceevent(3)
==========

NAME
---
tep_is_file_bigendian, tep_set_file_bigendian - Get / set the endianness of the
raw data being accessed by the tep handler.

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum *tep_endian* {
 TEP_LITTLE_ENDIAN = 0,
 TEP_BIG_ENDIAN
};

bool *tep_is_file_bigendian*(struct tep_handle pass:[*]_tep_);
void *tep_set_file_bigendian*(struct tep_handle pass:[*]_tep_, enum tep_endian _endian_);

--
DESCRIPTION

The *tep_is_file_bigendian()* function gets the endianness of the raw data,
being accessed by the tep handler. The _tep_ argument is trace event parser
context.

The *tep_set_file_bigendian()* function sets the endianness of raw data being
accessed by the tep handler. The _tep_ argument is trace event parser context.
[verse]

--
The _endian_ argument is the endianness:
 _TEP_LITTLE_ENDIAN_ - the raw data is in little endian format,
 _TEP_BIG_ENDIAN_ - the
 raw data is in big endian format.
--
RETURN VALUE

The *tep_is_file_bigendian()* function returns true if the data is in bigendian
format, false otherwise.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
 tep_set_file_bigendian(tep, TEP_LITTLE_ENDIAN);
...
 if (tep_is_file_bigendian(tep)) {
  /* The raw data is in big endian */
 } else {
  /* The raw data is in little endian */
 }
--

FILES

[verse]
--
event-parse.h
 Header file to include in order to have access to the library APIs.
-ltraceevent
 Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

[verse]
--
Steven Rostedt <rostedt@goodmis.org>, author of *libtraceevent*.
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libtraceevent(3)
==========

NAME
---
tep_is_bigendian, tep_is_local_bigendian, tep_set_local_bigendian - Get / set
the endianness of the local machine.

SYNOPSIS

[verse]
--
#include <event-parse.h>

enum *tep_endian* {
 TEP_LITTLE_ENDIAN = 0,
 TEP_BIG_ENDIAN
};

int *tep_is_bigendian*(void);
bool *tep_is_local_bigendian*(struct tep_handle pass:[*]_tep_);
void *tep_set_local_bigendian*(struct tep_handle pass:[*]_tep_, enum tep_endian _endian_);
--

DESCRIPTION

The *tep_is_bigendian()* gets the endianness of the machine, executing
the function.

The *tep_is_local_bigendian()* function gets the endianness of the local
machine, saved in the _tep_ handler. The _tep_ argument is the trace event
parser context. This API is a bit faster than *tep_is_bigendian()*, as it
returns cached endianness of the local machine instead of checking it each time.

The *tep_set_local_bigendian()* function sets
 the endianness of the local
machine in the _tep_ handler. The _tep_ argument is trace event parser context.
The _endian_ argument is the endianness:
[verse]
--
 _TEP_LITTLE_ENDIAN_ - the machine is little endian,
 _TEP_BIG_ENDIAN_ - the machine is big endian.
--

RETURN VALUE

The *tep_is_bigendian()* function returns non zero if the endianness of the
machine, executing the code, is big endian and zero otherwise.

The *tep_is_local_bigendian()* function returns true, if the endianness of the
local machine, saved in the _tep_ handler, is big endian, or false otherwise.

EXAMPLE

[source,c]
--
#include <event-parse.h>
...
struct tep_handle *tep = tep_alloc();
...
 if (tep_is_bigendian())
  tep_set_local_bigendian(tep, TEP_BIG_ENDIAN);
 else
  tep_set_local_bigendian(tep, TEP_LITTLE_ENDIAN);
...
 if (tep_is_local_bigendian(tep))
  printf("This machine you are running on is bigendian\n");
 else
  printf("This machine you are running on is little endian\n");

--

FILES

[verse]
--
event-parse.h

Header
file to include in order to have access to the library APIs.
-ltraceevent
Linker switch to add when building a program that uses the library.
--

SEE ALSO
----
libtraceevent(3), *trace-cmd*(1)

AUTHOR

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1.268 rasdaemon git

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Version 2.1, February 1999

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@item
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@enumerate a
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@subheading END OF TERMS AND CONDITIONS

@page
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1989 ---

1.276 mtools 4.0.38

1.276.1 Available under license :

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1.280 linux-libc-headers 5.16

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```
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
*  http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
```

* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*   as needed. This means that data must always be copied to create
*   the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*   Fix is simple: make large buffers large enough to hold entire
*   SDU, and leave <small_buffer_data> bytes empty at the start. Then
*   copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*   buffers. This is done by 2 things:
*   1) skb->destructor / skb->atm.recycle_buffer
*   combined, allow nicstar_free_rx_skb to be called to
*   recycle large data buffers
*   2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*   details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*
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author = Armin Ronacher
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description = Composable command line interface toolkit
long_description = file: README.rst
long_description_content_type = text/x-rst
classifiers =
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```
 Independent
 Programming Language :: Python

[options]
packages = find:
package_dir = = src
include_package_data = True
python_requires = >= 3.7

[options.packages.find]
where = src

[tool:pytest]
testpaths = tests
filterwarnings =
 error

[coverage:run]
branch = True
source =
 click
 tests

[coverage:paths]
source =
 src
 */site-packages

[flake8]
select = B, E, F, W, B9, ISC
ignore =
 E203
 E501
 E722
 W503
max-line-length = 80
per-file-ignores =
 src/click/__init__.py: F401

[mypy]
files = src/click
python_version = 3.7
show_error_codes = True
disallow_subclassing_any = True
disallow_untyped_calls = True
disallow_untyped_defs = True
disallow_incomplete_defs = True
check_untyped_defs = True
```

no_implicit_optional = True
local_partial_types = True
no_implicit_reexport = True
strict_equality = True
warn_redundant_casts = True
warn_unused_configs = True
warn_unused_ignores = True
warn_return_any = True
warn_unreachable = True

[mypy-colorama.*]
ignore_missing_imports = True

[mypy-importlib_metadata.*]
ignore_missing_imports
 = True

[egg_info]
tag_build =
tag_date = 0

Found in path(s):
* /click-8-1-2-1-tar-gz/click-8.1.2/setup.cfg

1.282 python3-zopeinterface 5.4.0

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1.283 python3-twisted 22.2.0

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1.284 python3-attrs 21.4.0

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 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
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 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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The Unicode Standard, Unicode Character Database, Version 10.0.0

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1.291 linux-kernel 5.15.155

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```
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
*  http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*     as needed. This means that data must always be copied to create
*     the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*     Fix is simple: make large buffers large enough to hold entire
*     SDU, and leave <small_buffer_data> bytes empty at the start. Then
*     copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*     buffers. This is done by 2 things:
```

```
*       1) skb->destructor / skb->atm.recycle_buffer
*            combined, allow nicstar_free_rx_skb to be called to
*            recycle large data buffers
*       2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*    details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*
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1.293 simple launcher 1.1.0.14

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A. HISTORY OF THE SOFTWARE
==========

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 (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is 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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				

2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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==========
Distutils2 Contributors
==========

The Distutils2 project was started by Tarek Ziad and is currently
maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
and welcome into the Fellowship of the Packaging!

Thanks to:

- Rajiv Abraham
- Ali Afshar
- David Barnett
- Pior Bastida
- Anthony Baxter
- Erik Bray
- C. Titus Brown
- Francisco Martn Brugu
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- Godefroid Chapelle
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- Luis Rojas
- Erik Rose

- Brian Rosner
- Vinay Sajip
- Victor Stinner
- Alexandre Vassalotti
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Metadata-Version: 1.0
Name: setuptools
Version: 0.6c9
Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!
Home-page: http://pypi.org/pypi/setuptools
Author: Phillip J. Eby
Author-email: distutils-sig@python.org
License: PSF or ZPL
Description: ================================

Installing and Using Setuptools

==========

.. contents:: **Table of Contents**

Installation Instructions

Windows

=======

Install setuptools using the provided ``.exe`` installer. If you've previously installed older versions of setuptools, please delete all ``setuptools*.egg`` and ``setuptools.pth`` files from your system's ``site-packages`` directory (and any other ``sys.path`` directories) FIRST.

If you are upgrading a previous version of setuptools that was installed using an ``.exe`` installer,
please be sure to also *uninstall that older version*
via your system's "Add/Remove Programs" feature, BEFORE installing the newer version.

Once installation is complete, you will find an ``easy_install.exe`` program in your Python ``Scripts`` subdirectory. Be sure to add this directory to your ``PATH`` environment variable, if you haven't already done so.

RPM-Based Systems

==========

Install setuptools using the provided source RPM. The included ``.spec`` file assumes you are installing using the default ``python`` executable, and is not

specific to a particular Python version. The ``easy_install`` executable will be installed to a system ``bin`` directory such as ``/usr/bin``.

If you wish to install to a location other than the default Python installation's default ``site-packages`` directory (and ``$prefix/bin`` for scripts), please use the ``.egg``-based installation approach described in the following section.

Cygwin, Mac OS X, Linux, Other
==========

1. Download the appropriate egg for your version of Python (e.g. ``setuptools-0.6c9-py2.4.egg``). Do NOT rename it.

2. Run it as if it were a shell script, e.g. ``sh setuptools-0.6c9-py2.4.egg``. Setuptools will install itself using the matching version of Python (e.g. ``python2.4``), and will place the ``easy_install`` executable in the default location for installing Python scripts (as determined by the standard distutils configuration files, or by the Python installation).

If you want to install setuptools to somewhere other than ``site-packages`` or your default distutils installation locations for libraries and scripts, you may include EasyInstall command-line options such as ``--prefix``, ``--install-dir``, and so on, following the ``.egg`` filename on the same command line. For example::

sh setuptools-0.6c9-py2.4.egg --prefix=~

You can use ``--help`` to get a full options list, but we recommend consulting the `EasyInstall manual`_ for detailed instructions, especially `the section on custom installation locations`_.

.. _EasyInstall manual: http://peak.telecommunity.com/DevCenter/EasyInstall
.. _the section on custom installation locations: http://peak.telecommunity.com/DevCenter/EasyInstall#custom-installation-locations

Cygwin Note

If you are trying to install setuptools for the **Windows** version of Python (as opposed to the Cygwin version that lives in ``/usr/bin``), you must make sure that an appropriate executable (``python2.3``, ``python2.4``, or ``python2.5``) is on your **Cygwin** ``PATH`` when invoking the egg. For example, doing the following at a Cygwin bash prompt will install setuptools

for the **Windows** Python found at ``C:\\Python24``::

ln -s /cygdrive/c/Python24/python.exe python2.4
PATH=.:$PATH sh setuptools-0.6c9-py2.4.egg
rm python2.4

Downloads
=========

All setuptools downloads can be found at `the project's home page in the Python
Package Index`_. Scroll to the very bottom of the page to find the links.

.. _the project's home page in the Python Package Index: http://pypi.org/pypi/setuptools

In addition to the PyPI downloads, the development version of ``setuptools``
is available from the `Python SVN sandbox`_, and in-development versions of the
`0.6 branch`_ are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

---
Using
Setuptools and EasyInstall

Here are some of the available manuals, tutorials, and other resources for
learning about Setuptools, Python Eggs, and EasyInstall:

* `The EasyInstall user's guide and reference manual`_
* `The setuptools Developer's Guide`_
* `The pkg_resources API reference`_
* `Package Compatibility Notes`_ (user-maintained)
* `The Internal Structure of Python Eggs`_

Questions, comments, and bug reports should be directed to the `distutils-sig
mailing list`_. If you have written (or know of) any tutorials, documentation,
plug-ins, or other resources for setuptools users, please let us know about
them there, so this reference list can be updated. If you have working,
tested patches to correct problems or add features, you may submit them to
the `setuptools bug tracker`_.

.. _setuptools bug tracker: http://bugs.python.org/setuptools/
.. _Package Compatibility Notes: http://peak.telecommunity.com/DevCenter/PackageNotes
.. _The Internal Structure of Python Eggs: http://peak.telecommunity.com/DevCenter/EggFormats
.. _The setuptools Developer's Guide: http://peak.telecommunity.com/DevCenter/setuptools

.. _The pkg_resources API reference: http://peak.telecommunity.com/DevCenter/PkgResources
.. _The EasyInstall user's guide and reference manual: http://peak.telecommunity.com/DevCenter/EasyInstall
.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/

Credits
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* The original design for the ``.egg`` format and the ``pkg_resources`` API was
co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first
version of ``pkg_resources``, and supplied the OS X operating system version
compatibility algorithm.

* Ian Bicking implemented many early "creature
comfort" features of
easy_install, including support for downloading via Sourceforge and
Subversion repositories. Ian's comments on the Web-SIG about WSGI
application deployment also inspired the concept of "entry points" in eggs,
and he has given talks at PyCon and elsewhere to inform and educate the
community about eggs and setuptools.

* Jim Fulton contributed time and effort to build automated tests of various
aspects of ``easy_install``, and supplied the doctests for the command-line
``.exe`` wrappers on Windows.

* Phillip J. Eby is the principal author and maintainer of setuptools, and
first proposed the idea of an importable binary distribution format for
Python application plug-ins.

* Significant parts of the implementation of setuptools were funded by the Open
Source Applications Foundation, to provide a plug-in infrastructure for the
Chandler PIM application.
In addition, many OSAF staffers (such as Mike
"Code Bear" Taylor) contributed their time and stress as guinea pigs for the
use of eggs and setuptools, even before eggs were "cool". (Thanks, guys!)

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Classifier: Intended Audience :: Developers
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Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Topic :: System :: Archiving :: Packaging

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1.297 cavium-liquidio 3.1.0_p4

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1.299 pcre2 10.40

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1.300 slang 2.3.2

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language
==========

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Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
02110-1301, USA. */

```
#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this. These are
  used as arguments to the function __VLTChangePermission, declared
  below. */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size. */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif
```

```
#endif /* __VTV_H__ */
/* Definitions for BSD assembler syntax for Intel 386
  (actually AT&T syntax for insns and operands,
  adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */

/* Prefix for internally generated assembler
 labels.  If we aren't using
  underscores, we are using prefix `.'s to identify labels that should
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu  */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */



/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
```

```
  that says to advance the location counter by SIZE bytes.  */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
  to define a local common symbol.  */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
  that says to advance the location counter
  to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
  the symbol_ref name of an internal numbered label
 where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
   sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */
```

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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Version 3, 29 June 2007

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1.306 sudo 1.9.13p3

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The following people designed the artwork used on the sudo website:

Shield logo: Badger, Trent
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the

Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Version 3, 29 June 2007

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c) Convey individual copies of the object code with a copy of the

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1.309 util-linux-libuuid 2.37.4

1.309.1 Available under license :

NR START END SECTORS SIZE NAME UUID
1 32 7679 7648 3.7M 8f8378c0-01
2 7680 16383 8704 4.3M 8f8378c0-02
5 7936 12799 4864 2.4M
6 12544 16127 3584 1.8M

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```
#ifndef UTIL_LINUX_PT_BSD_H
#define UTIL_LINUX_PT_BSD_H

#define BSD_MAXPARTITIONS 16
#define BSD_FS_UNUSED  0

#ifndef BSD_DISKMAGIC
# define BSD_DISKMAGIC     ((uint32_t) 0x82564557)
#endif

#define BSD_LINUX_BOOTDIR "/usr/ucb/mdec"

#if defined (__alpha__) || defined (__powerpc__) || \
   defined (__ia64__) || defined (__hppa__)
# define BSD_LABELSECTOR   0
# define BSD_LABELOFFSET   64
#else
# define BSD_LABELSECTOR   1
# define BSD_LABELOFFSET   0
#endif

#define BSD_BBSIZE        8192  /* size of boot area, with label */
#define BSD_SBSIZE        8192  /* max size of fs superblock */
```

```
struct bsd_disklabel {
 uint32_t d_magic;  /* the magic number */
 int16_t  d_type;   /* drive type */
 int16_t  d_subtype;  /* controller/d_type specific */
 char  d_typename[16];  /* type name, e.g. "eagle" */
 char  d_packname[16];  /* pack identifier */

  /* disk geometry: */
 uint32_t d_secsize;  /* # of bytes per sector */
 uint32_t d_nsectors;  /* # of data sectors per track */
 uint32_t d_ntracks;  /*
 # of tracks per cylinder */
 uint32_t d_ncylinders;  /* # of data cylinders per unit */
 uint32_t d_secpercyl;  /* # of data sectors per cylinder */
 uint32_t d_secperunit;  /* # of data sectors per unit */

 /*
  * Spares (bad sector replacements) below
  * are not counted in d_nsectors or d_secpercyl.
  * Spare sectors are assumed to be physical sectors
  * which occupy space at the end of each track and/or cylinder.
  */
 uint16_t d_sparespertrack; /* # of spare sectors per track */
 uint16_t d_sparespercyl;  /* # of spare sectors per cylinder */

 /*
  * Alternate cylinders include maintenance, replacement,
  * configuration description areas, etc.
  */
 uint32_t d_acylinders;  /* # of alt. cylinders per unit */

  /* hardware characteristics: */
 /*
  * d_interleave, d_trackskew and d_cylskew describe perturbations
  * in the media format used to compensate for a slow controller.
  * Interleave is physical sector interleave, set up by the formatter
  * or controller
 when formatting.  When interleaving is in use,
  * logically adjacent sectors are not physically contiguous,
  * but instead are separated by some number of sectors.
  * It is specified as the ratio of physical sectors traversed
  * per logical sector.  Thus an interleave of 1:1 implies contiguous
  * layout, while 2:1 implies that logical sector 0 is separated
  * by one sector from logical sector 1.
  * d_trackskew is the offset of sector 0 on track N
  * relative to sector 0 on track N-1 on the same cylinder.
  * Finally, d_cylskew is the offset of sector 0 on cylinder N
```

```
 * relative to sector 0 on cylinder N-1.
 */
uint16_t d_rpm;   /* rotational speed */
uint16_t d_interleave;  /* hardware sector interleave */
uint16_t d_trackskew;  /* sector 0 skew, per track */
uint16_t d_cylskew;  /* sector 0 skew, per cylinder */
uint32_t d_headswitch;  /* head switch time, usec */
uint32_t d_trkseek;  /* track-to-track seek, usec */
uint32_t d_flags;  /* generic flags */
uint32_t d_drivedata[5];  /*
drive-type specific information */
uint32_t d_spare[5];  /* reserved for future use */
uint32_t d_magic2;  /* the magic number (again) */
uint16_t d_checksum;  /* xor of data incl. partitions */

  /* filesystem and partition information: */
uint16_t d_npartitions;        /* number of partitions in following */
uint32_t d_bbsize;         /* size of boot area at sn0, bytes */
uint32_t d_sbsize;         /* max size of fs superblock, bytes */

struct bsd_partition  {  /* the partition table */
 uint32_t p_size;         /* number of sectors in partition */
 uint32_t p_offset;       /* starting sector */
 uint32_t p_fsize;        /* filesystem basic fragment size */
 uint8_t  p_fstype; /* filesystem type, see below */
 uint8_t  p_frag;  /* filesystem fragments per block */
 uint16_t p_cpg;         /* filesystem cylinders per group */
} __attribute__((packed)) d_partitions[BSD_MAXPARTITIONS]; /* actually may be more */
} __attribute__((packed));


/* d_type values:
 */
#define BSD_DTYPE_SMD  1  /* SMD, XSMD; VAX hp/up */
#define BSD_DTYPE_MSCP  2  /* MSCP */
#define BSD_DTYPE_DEC  3  /* other DEC (rk, rl) */
#define BSD_DTYPE_SCSI  4  /* SCSI */
#define BSD_DTYPE_ESDI  5  /* ESDI interface */
#define BSD_DTYPE_ST506  6  /* ST506 etc. */
#define BSD_DTYPE_HPIB  7  /* CS/80 on HP-IB */
#define BSD_DTYPE_HPFL  8  /* HP Fiber-link */
#define BSD_DTYPE_FLOPPY 10  /* floppy */

/* d_subtype values: */
#define BSD_DSTYPE_INDOSPART 0x8  /* is inside dos partition */
#define BSD_DSTYPE_DOSPART(s) ((s) & 3) /* dos partition number */
#define BSD_DSTYPE_GEOMETRY 0x10  /* drive params in label */
```

```
/*
* Filesystem type and version.
* Used to interpret other filesystem-specific
* per-partition information.
*/
#define BSD_FS_UNUSED 0  /* unused */
#define BSD_FS_SWAP     1  /* swap */
#define BSD_FS_V6       2  /* Sixth Edition */
#define BSD_FS_V7       3  /* Seventh Edition */
#define BSD_FS_SYSV     4  /* System V */
#define BSD_FS_V71K     5  /* V7
 with 1K blocks (4.1, 2.9) */
#define BSD_FS_V8       6  /* Eighth Edition, 4K blocks */
#define BSD_FS_BSDFFS 7  /* 4.2BSD fast file system */
#define BSD_FS_BSDLFS 9  /* 4.4BSD log-structured file system */
#define BSD_FS_OTHER 10  /* in use, but unknown/unsupported */
#define BSD_FS_HPFS 11  /* OS/2 high-performance file system */
#define BSD_FS_ISO9660 12  /* ISO-9660 filesystem (cdrom) */
#define BSD_FS_ISOFS BSD_FS_ISO9660
#define BSD_FS_BOOT 13  /* partition contains bootstrap */
#define BSD_FS_ADOS 14  /* AmigaDOS fast file system */
#define BSD_FS_HFS 15  /* Macintosh HFS */
#define BSD_FS_ADVFS 16  /* Digital Unix AdvFS */

/* this is annoying, but it's also the way it is :-( */
#ifdef __alpha__
#define BSD_FS_EXT2 8  /* ext2 file system */
#else
#define BSD_FS_MSDOS 8  /* MS-DOS file system */
#endif

/*
* flags shared by various drives:
*/
#define BSD_D_REMOVABLE 0x01  /* removable media */
#define BSD_D_ECC       0x02  /* supports ECC */
#define BSD_D_BADSECT 0x04  /* supports
 bad sector forw. */
#define BSD_D_RAMDISK 0x08  /* disk emulator */
#define BSD_D_CHAIN     0x10  /* can do back-back transfers */
#define BSD_D_DOSPART 0x20  /* within MSDOS partition */

#endif /* UTIL_LINUX_PT_BSD_H */
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1.310 busybox 1.35.0

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jseward@bzip.org
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1.311 gzip 1.12

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#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif

/*

```
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
      not consider trailing slashes to be part of the component:

 FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;


#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

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Version 3, 29 June 2007

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms
of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably
considered independent and separate works in
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3. You may opt to apply the terms of the ordinary

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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machine-readable source code, which
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses
the
library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object
code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the
work with the complete corresponding
machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly

with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least
three years, to give the same user the materials specified in
Subsection 6a, above, for a charge no more than the cost of
performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
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Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
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That's all there is to it!

1.313 tar 1.35

1.313.1 Available under license :

/* Extract the last component (base name) of a file name.

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along with this program. If not, see <https://www.gnu.org/licenses/>. */

#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

```
/* This file uses _GL_ATTRIBUTE_PURE.  */
#if !_GL_CONFIG_H_INCLUDED
#error "Please include config.h first."
#endif

#include <stddef.h>

#ifndef
 DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif


/* Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(),
 defined in <string.h>, does
      not consider trailing slashes to be part of the component:
          FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
```

```
           "foo/bar//"   "bar"
           "/"           "/"
           "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;



#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

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Version 3, 29 June 2007

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available free
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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years

and valid for as
long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in
the same way through the same place at no
further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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A separable portion of the object code, whose source code is excluded from the Corresponding Source
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included in conveying the object code work.

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<one line to give the program's name and a brief idea of what it does.>
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

That's all there is to it!

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<one line to give the program's name and a brief idea of what it does.>
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License.
Of course, the
commands you use may be called something other than `show w' and `show
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You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

```
Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match
reality.

Optionally you can pass the C<--now> option to check they are at the current
year. This isn't checked by default, so that it doesn't fail for people
working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
 skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
 my $current_year = (gmtime)[5] + 1900;
 is $v_year, $current_year, 'perl -v copyright includes current
 year';
 is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
 is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;


sub readme_year
# returns the latest copyright year from the top-level README file
{
```

```
 open my $readme, '<', '../README' or die "Opening README failed: $!";

 # The copyright message is the first paragraph:
 local $/ = '';
 my $copyright_msg = <$readme>;

 my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";

 $year;
}


sub v_year
# returns the latest copyright year shown in perl -v
{

 my $output = runperl switches => ['-v'];
 my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

 $year;
}
```

1.316 findutils 4.9.0

1.316.1 Available under license :

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Version 3, 29 June 2007

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#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif

```
/*
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
      not consider trailing slashes to be part of the component:

 FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;



#ifdef __cplusplus
} /* extern "C" */
#endif
```

#endif /* _BASENAME_LGPL_H */

1.317 opkg-utils 0.5.0

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1.318 libxml2 2.9.14

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1.319 diffutils 3.10

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/* Extract the last component (base name) of a file name.

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```
#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

/* This file uses _GL_ATTRIBUTE_PURE. */
#if !_GL_CONFIG_H_INCLUDED
#error "Please include config.h first."
#endif

#include <stddef.h>

#ifndef
 DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
```

```
#endif


/* Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(),
 defined in <string.h>, does
      not consider trailing slashes to be part of the component:
          FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;


#ifdef __cplusplus
} /* extern "C" */
#endif
```

#endif /* _BASENAME_LGPL_H */

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Version 3, 29 June 2007

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/* Extract the last component (base name) of a file name.

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```
#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif


/*
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
      not consider trailing slashes to be part of the component:

 FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
```

```
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;


#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

1.321 xz 5.2.6

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1.322 python-six 1.16.0

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1.323 libtirpc 1.3.2

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1.324 libffi 3.4.4

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```
#ifndef UTIL_LINUX_PT_BSD_H
#define UTIL_LINUX_PT_BSD_H

#define BSD_MAXPARTITIONS 16
#define BSD_FS_UNUSED  0

#ifndef BSD_DISKMAGIC
# define BSD_DISKMAGIC     ((uint32_t) 0x82564557)
#endif

#define BSD_LINUX_BOOTDIR "/usr/ucb/mdec"

#if defined (__alpha__) || defined (__powerpc__) || \
   defined (__ia64__) || defined (__hppa__)
# define BSD_LABELSECTOR   0
# define BSD_LABELOFFSET   64
#else
# define BSD_LABELSECTOR   1
# define BSD_LABELOFFSET   0
#endif

#define BSD_BBSIZE        8192  /* size of boot area, with label */
#define BSD_SBSIZE        8192  /* max size of fs superblock */

struct bsd_disklabel {
 uint32_t d_magic;  /* the magic number */
 int16_t  d_type;   /* drive type */
 int16_t  d_subtype;  /* controller/d_type specific */
 char  d_typename[16];  /* type name, e.g. "eagle" */
 char  d_packname[16];  /* pack identifier */

   /* disk geometry: */
 uint32_t d_secsize;  /* # of bytes per sector */
 uint32_t d_nsectors;  /* # of data sectors per track */
 uint32_t d_ntracks;  /*
 # of tracks per cylinder */
 uint32_t d_ncylinders;  /* # of data cylinders per unit */
 uint32_t d_secpercyl;  /* # of data sectors per cylinder */
 uint32_t d_secperunit;  /* # of data sectors per unit */

 /*
  * Spares (bad sector replacements) below
```

```
 * are not counted in d_nsectors or d_secpercyl.
 * Spare sectors are assumed to be physical sectors
 * which occupy space at the end of each track and/or cylinder.
 */
uint16_t d_sparespertrack; /* # of spare sectors per track */
uint16_t d_sparespercyl;  /* # of spare sectors per cylinder */

/*
 * Alternate cylinders include maintenance, replacement,
 * configuration description areas, etc.
 */
uint32_t d_acylinders;  /* # of alt. cylinders per unit */

  /* hardware characteristics: */
/*
 * d_interleave, d_trackskew and d_cylskew describe perturbations
 * in the media format used to compensate for a slow controller.
 * Interleave is physical sector interleave, set up by the formatter
 * or controller
when formatting.  When interleaving is in use,
 * logically adjacent sectors are not physically contiguous,
 * but instead are separated by some number of sectors.
 * It is specified as the ratio of physical sectors traversed
 * per logical sector.  Thus an interleave of 1:1 implies contiguous
 * layout, while 2:1 implies that logical sector 0 is separated
 * by one sector from logical sector 1.
 * d_trackskew is the offset of sector 0 on track N
 * relative to sector 0 on track N-1 on the same cylinder.
 * Finally, d_cylskew is the offset of sector 0 on cylinder N
 * relative to sector 0 on cylinder N-1.
 */
uint16_t d_rpm;   /* rotational speed */
uint16_t d_interleave;  /* hardware sector interleave */
uint16_t d_trackskew;  /* sector 0 skew, per track */
uint16_t d_cylskew;  /* sector 0 skew, per cylinder */
uint32_t d_headswitch;  /* head switch time, usec */
uint32_t d_trkseek;  /* track-to-track seek, usec */
uint32_t d_flags;  /* generic flags */
uint32_t d_drivedata[5];  /*
drive-type specific information */
uint32_t d_spare[5];  /* reserved for future use */
uint32_t d_magic2;  /* the magic number (again) */
uint16_t d_checksum;  /* xor of data incl. partitions */

  /* filesystem and partition information: */
uint16_t d_npartitions;        /* number of partitions in following */
uint32_t d_bbsize;         /* size of boot area at sn0, bytes */
uint32_t d_sbsize;         /* max size of fs superblock, bytes */
```

```
 struct bsd_partition  {  /* the partition table */
  uint32_t p_size;        /* number of sectors in partition */
  uint32_t p_offset;      /* starting sector */
  uint32_t p_fsize;       /* filesystem basic fragment size */
  uint8_t  p_fstype; /* filesystem type, see below */
  uint8_t  p_frag;  /* filesystem fragments per block */
  uint16_t p_cpg;         /* filesystem cylinders per group */
 } __attribute__((packed)) d_partitions[BSD_MAXPARTITIONS]; /* actually may be more */
} __attribute__((packed));


/* d_type values:
 */
#define BSD_DTYPE_SMD  1  /* SMD, XSMD; VAX hp/up */
#define BSD_DTYPE_MSCP  2  /* MSCP */
#define BSD_DTYPE_DEC  3  /* other DEC (rk, rl) */
#define BSD_DTYPE_SCSI  4  /* SCSI */
#define BSD_DTYPE_ESDI  5  /* ESDI interface */
#define BSD_DTYPE_ST506  6  /* ST506 etc. */
#define BSD_DTYPE_HPIB  7  /* CS/80 on HP-IB */
#define BSD_DTYPE_HPFL  8  /* HP Fiber-link */
#define BSD_DTYPE_FLOPPY 10  /* floppy */

/* d_subtype values: */
#define BSD_DSTYPE_INDOSPART 0x8  /* is inside dos partition */
#define BSD_DSTYPE_DOSPART(s) ((s) & 3) /* dos partition number */
#define BSD_DSTYPE_GEOMETRY 0x10  /* drive params in label */

/*
* Filesystem type and version.
* Used to interpret other filesystem-specific
* per-partition information.
*/
#define BSD_FS_UNUSED 0  /* unused */
#define BSD_FS_SWAP     1  /* swap */
#define BSD_FS_V6       2  /* Sixth Edition */
#define BSD_FS_V7       3  /* Seventh Edition */
#define BSD_FS_SYSV     4  /* System V */
#define BSD_FS_V71K     5  /* V7
 with 1K blocks (4.1, 2.9) */
#define BSD_FS_V8       6  /* Eighth Edition, 4K blocks */
#define BSD_FS_BSDFFS 7  /* 4.2BSD fast file system */
#define BSD_FS_BSDLFS 9  /* 4.4BSD log-structured file system */
#define BSD_FS_OTHER 10  /* in use, but unknown/unsupported */
#define BSD_FS_HPFS 11  /* OS/2 high-performance file system */
#define BSD_FS_ISO9660 12  /* ISO-9660 filesystem (cdrom) */
#define BSD_FS_ISOFS BSD_FS_ISO9660
```

```
#define BSD_FS_BOOT 13  /* partition contains bootstrap */
#define BSD_FS_ADOS 14  /* AmigaDOS fast file system */
#define BSD_FS_HFS 15  /* Macintosh HFS */
#define BSD_FS_ADVFS 16  /* Digital Unix AdvFS */

/* this is annoying, but it's also the way it is :-( */
#ifdef __alpha__
#define BSD_FS_EXT2 8  /* ext2 file system */
#else
#define BSD_FS_MSDOS 8  /* MS-DOS file system */
#endif

/*
* flags shared by various drives:
*/
#define BSD_D_REMOVABLE 0x01  /* removable media */
#define BSD_D_ECC       0x02  /* supports ECC */
#define BSD_D_BADSECT 0x04  /* supports
 bad sector forw. */
#define BSD_D_RAMDISK 0x08  /* disk emulator */
#define BSD_D_CHAIN     0x10  /* can do back-back transfers */
#define BSD_D_DOSPART 0x20  /* within MSDOS partition */

#endif /* UTIL_LINUX_PT_BSD_H */
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1.329 e2fsprogs 1.46.5

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
 @echo " MKDIR pic"
 @mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:  $(BSD_LIB)

$(BSD_LIB): $(OBJS)
 (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
 $(MV) pic/$(BSD_LIB) .
 $(RM) -f ../$(BSD_LIB)
 (cd ..; $(LN) $(LINK_BUILD_FLAGS) \
  `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
 @echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
 @$(INSTALL_PROGRAM) $(BSD_LIB) \
  $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
 @-$(LDCONFIG)

install-strip: install
```

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
 $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
 $(RM)
 -rf pic
 $(RM) -f $(BSD_LIB)
 $(RM) -f ../$(BSD_LIB)
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This is the Debian GNU/Linux prepackaged version of the translation
files of the EXT2 file system utilities. The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

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*/
Index: tdbsa/tdb.c
===
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
 /*
-   Unix SMB/CIFS implementation.
+   trivial database library - standalone version

-   trivial database library - private includes
-
-   Copyright (C) Andrew Tridgell   2005
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Gadi Oxman, August 1995

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Theodore Ts'o
23-June-2007

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Also add information on how to contact you by electronic and paper mail.

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<signature of Ty Coon>, 1 April 1989
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Whether this is true is especially significant if the work can be
linked without the Library,
or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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relink to produce a modified
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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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1.330 libnsl 2.0.0

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/* Extract the last component (base name) of a file name.

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```
#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif


/*
```

```
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
      not consider trailing slashes to be part of the component:

 FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;



#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

1.332 libgcc 11.4.0

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language
==========

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  Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
  02110-1301, USA.  */


#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
```

```
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif



#endif /* __VTV_H__ */
/* Definitions for BSD assembler syntax for Intel 386
  (actually AT&T syntax for insns and operands,
  adapted to BSD conventions for symbol names and debugging.)
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<http://www.gnu.org/licenses/>.  */

/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */
```

```
/* Prefix for internally generated assembler
 labels.  If we aren't using
  underscores, we are using prefix `.'s to identify labels that should
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu  */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */


/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
  that says to advance the location counter by SIZE bytes.  */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
  to define a local common symbol.  */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
```

```
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
  that says to advance the location counter
  to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
  the symbol_ref name of an internal numbered label
 where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
   sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols.  */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations.  */
#define DBX_CONTIN_LENGTH 0
```

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Version 3, 29 June 2007

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#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif


/*
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
      not consider trailing slashes to be part of the component:

 FILENAME      RESULT
          "foo/bar/"    ""
```

```
           "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
           FILENAME      RESULT
           "foo/bar/"    "bar"
           "foo/bar//"   "bar"
           "/"           "/"
           "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;



#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
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Version 3, 29 June 2007

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1.335 libcap 2.66

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```
/* Extract the last component (base name) of a file name.

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#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

/* This file uses _GL_ATTRIBUTE_PURE.  */
#if !_GL_CONFIG_H_INCLUDED
#error "Please include config.h first."
#endif

#include <stddef.h>

#ifndef
 DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif


/* Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
```

```
            "foo/bar/"    "bar/"
            "foo/bar//"   "bar//"
            "/"           ""
            "//"          ""
            ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
   function name because
     * Various platforms have different functions in their libc.
       In particular, the glibc basename(),
   defined in <string.h>, does
       not consider trailing slashes to be part of the component:
            FILENAME      RESULT
            "foo/bar/"    ""
            "foo/bar//"   ""
     * The 'basename' command eliminates trailing slashes and for a root
       produces a non-empty result:
            FILENAME      RESULT
            "foo/bar/"    "bar"
            "foo/bar//"   "bar"
            "/"           "/"
            "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
   Typically FILENAME is the value returned by base_name or last_component.
   Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;



#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

1.339 glib 2.72.3

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-- vile: txtmode file-encoding=utf-8
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-- $Id: COPYING,v 1.11 2022/01/01 11:47:50 tom Exp $
Upstream source https://invisible-island.net/ncurses/Ada95.html

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1.342 glibc 2.35

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@subheading END OF TERMS AND CONDITIONS

@page
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#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif


/*
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
```

not consider trailing slashes to be part of the component:

```
 FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
   * The 'basename' command eliminates trailing slashes and for a root
     produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;


#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

1.345 zstd 1.5.2

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1.349 gcc-run-time 11.4.0

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DRuntime: Runtime Library for the D Programming Language
==========

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  Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
  02110-1301, USA.  */


#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
```

```
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif



#endif /* __VTV_H__ */
/* Definitions for BSD assembler syntax for Intel 386
  (actually AT&T syntax for insns and operands,
  adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */

/* Prefix for internally generated assembler
 labels.  If we aren't using
  underscores, we are using prefix `.'s to identify labels that should
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu  */
```

```
#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */


/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
  that says to advance the location counter by SIZE bytes.  */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
  to define a local common symbol.  */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif
```

```
/* This is how to output an assembler line
  that says to advance the location counter
  to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
  the symbol_ref name of an internal numbered label
 where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
   sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols.  */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations.  */
#define DBX_CONTIN_LENGTH 0
```

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Version 3, 29 June 2007

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1.352 python 3.10.13

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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 https://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 https://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.

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Python releases are Open Source (see https://opensource.org for
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releases have also been GPL-compatible; the table below summarizes
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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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1.355 dtc 1.6.1

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1.356 xfsprogs 5.13.0

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1.357 qemu 6.2.0

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```
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*
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#ifndef TARGET_SYSCALL_H
#define TARGET_SYSCALL_H

#define __USER_CS (0x33)
#define __USER_DS (0x2B)

struct target_pt_regs {
 abi_ulong r15;
 abi_ulong r14;
 abi_ulong r13;
 abi_ulong r12;
 abi_ulong rbp;
 abi_ulong rbx;
/* arguments: non interrupts/non tracing syscalls only save up to here */
 abi_ulong
 r11;
 abi_ulong r10;
 abi_ulong r9;
 abi_ulong r8;
 abi_ulong rax;
 abi_ulong rcx;
 abi_ulong rdx;
 abi_ulong rsi;
 abi_ulong rdi;
 abi_ulong orig_rax;
/* end of arguments */
/* cpu exception frame or undefined */
```

```
 abi_ulong rip;
 abi_ulong cs;
 abi_ulong eflags;
 abi_ulong rsp;
 abi_ulong ss;
/* top of stack page */
};

/* Maximum number of LDT entries supported. */
#define TARGET_LDT_ENTRIES 8192
/* The size of each LDT entry. */
#define TARGET_LDT_ENTRY_SIZE 8

#define TARGET_GDT_ENTRIES 16
#define TARGET_GDT_ENTRY_TLS_ENTRIES 3
#define TARGET_GDT_ENTRY_TLS_MIN 12
#define TARGET_GDT_ENTRY_TLS_MAX 14

#if 0 // Redefine this
struct target_modify_ldt_ldt_s {
 unsigned int  entry_number;
      abi_ulong     base_addr;
 unsigned int  limit;
 unsigned int  seg_32bit:1;
 unsigned int  contents:2;
 unsigned int  read_exec_only:1;
 unsigned int  limit_in_pages:1;
 unsigned int  seg_not_present:1;
 unsigned int  useable:1;
 unsigned int  lm:1;
};
#else
struct target_modify_ldt_ldt_s
 {
 unsigned int  entry_number;
      abi_ulong     base_addr;
 unsigned int  limit;
      unsigned int flags;
};
#endif

struct target_ipc64_perm
{
 int  key;
 uint32_t uid;
 uint32_t gid;
 uint32_t cuid;
 uint32_t cgid;
```

```
 unsigned short  mode;
 unsigned short  __pad1;
 unsigned short  seq;
 unsigned short  __pad2;
 abi_ulong  __unused1;
 abi_ulong  __unused2;
};

struct target_msqid64_ds {
 struct target_ipc64_perm msg_perm;
 unsigned int msg_stime; /* last msgsnd time */
 unsigned int msg_rtime; /* last msgrcv time */
 unsigned int msg_ctime; /* last change time */
 abi_ulong  msg_cbytes; /* current number of bytes on queue */
 abi_ulong  msg_qnum; /* number of messages in queue */
 abi_ulong  msg_qbytes; /* max number of bytes on queue */
 unsigned int msg_lspid; /* pid of last msgsnd */
 unsigned int msg_lrpid; /* last receive pid */
 abi_ulong  __unused4;
 abi_ulong  __unused5;
};

/* FreeBSD sysarch(2) */
#define TARGET_FREEBSD_I386_GET_LDT 0
#define TARGET_FREEBSD_I386_SET_LDT 1
   /*
 I386_IOPL */
#define TARGET_FREEBSD_I386_GET_IOPERM 3
#define TARGET_FREEBSD_I386_SET_IOPERM 4
   /* xxxxx */
#define TARGET_FREEBSD_I386_GET_FSBASE 7
#define TARGET_FREEBSD_I386_SET_FSBASE 8
#define TARGET_FREEBSD_I386_GET_GSBASE 9
#define TARGET_FREEBSD_I386_SET_GSBASE 10

#define TARGET_FREEBSD_AMD64_GET_FSBASE 128
#define TARGET_FREEBSD_AMD64_SET_FSBASE 129
#define TARGET_FREEBSD_AMD64_GET_GSBASE 130
#define TARGET_FREEBSD_AMD64_SET_GSBASE 131


#define UNAME_MACHINE          "x86_64"
#define TARGET_HW_MACHINE      "amd64"
#define TARGET_HW_MACHINE_ARCH  "amd64"

#define TARGET_ARCH_SET_GS 0x1001
#define TARGET_ARCH_SET_FS 0x1002
#define TARGET_ARCH_GET_FS 0x1003
```

```
#define TARGET_ARCH_GET_GS 0x1004

#endif /* TARGET_SYSCALL_H */
```

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*/

{ TARGET_FREEBSD_NR___acl_aclcheck_fd, "__acl_aclcheck_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_aclcheck_file, "__acl_aclcheck_file", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_aclcheck_link, "__acl_aclcheck_link", "%s(\"%s\", %d, %#x)", NULL, NULL
},
{ TARGET_FREEBSD_NR___acl_delete_fd,
 "__acl_delete_fd", "%s(%d, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_file, "__acl_delete_file", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_delete_link, "__acl_delete_link", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_fd, "__acl_get_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_file, "__acl_get_file", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_get_link, "__acl_get_link", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_fd, "__acl_set_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_file, "__acl_set_file", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___acl_set_link, "__acl_set_link", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR___getcwd, "__getcwd", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___semctl, "__semctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___syscall, "__syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR___sysctl,
 "__sysctl", NULL, print_sysctl, NULL },
{ TARGET_FREEBSD_NR__umtx_op, "_umtx_op", "%s(%#x, %d, %d, %#x, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_accept, "accept", "%s(%d,%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_accept4, "accept4", "%s(%d,%d,%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_access, "access", "%s(\"%s\",%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_acct, "acct", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_adjtime, "adjtime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_bind, "bind", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_bindat, "bindat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_break, "break", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_cap_enter, "cap_enter", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_cap_fcntls_get, "cap_fcntls_get", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_cap_fcntls_limit, "cap_fcntls_limit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_cap_getmode, "cap_getmode", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_cap_ioctls_get, "cap_ioctls_get", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_cap_ioctls_limit,
 "cap_ioctls_limit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_cap_rights_limit, "cap_rights_limit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chdir, "chdir", "%s(\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_chflags, "chflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chflagsat, "chflagsat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chmod, "chmod", "%s(\"%s\",%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_chown, "chown", NULL, NULL, NULL },
```

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{ TARGET_FREEBSD_NR_chroot, "chroot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_getres, "clock_getres", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_gettime, "clock_gettime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_settime, "clock_settime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_close, "close", "%s(%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_connect, "connect", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_connectat, "connectat", "%s(%d,%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_cpuset_getdomain, "cpuset_getdomain", NULL, NULL,
 NULL },
{ TARGET_FREEBSD_NR_cpuset_setdomain, "cpuset_setdomain", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_dup, "dup", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_dup2, "dup2", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_eaccess, "eaccess", "%s(\"%s\",%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_execve, "execve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_exit, "exit", "%s(%d)\n", NULL, NULL },
{ TARGET_FREEBSD_NR_extattrctl, "extattrctl", "%s(\"%s\", %d, \"%s\", %d, \"%s\"", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_fd, "extattr_delete_fd", "%s(%d, %d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_file, "extattr_delete_file", "%s(\"%s\", %d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_link, "extattr_delete_link", "%s(\"%s\", %d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_fd, "extattr_get_fd", "%s(%d, %d, \"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_file, "extattr_get_file", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL, NULL
},
{
 TARGET_FREEBSD_NR_extattr_get_file, "extattr_get_link", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL, NULL
},
{ TARGET_FREEBSD_NR_extattr_list_fd, "extattr_list_fd", "%s(%d, %d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_file, "extattr_list_file", "%s(\"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_link, "extattr_list_link", "%s(\"%s\", %d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_fd, "extattr_set_fd", "%s(%d, %d, \"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_file, "extattr_set_file", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL, NULL
},
{ TARGET_FREEBSD_NR_extattr_set_link, "extattr_set_link", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL,
NULL },
{ TARGET_FREEBSD_NR_fchdir, "fchdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchflags, "fchflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchmod, "fchmod", "%s(%d,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_fchown, "fchown", "%s(%d,%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_fcntl, "fcntl",
 NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fdatasync, "fdatasync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fexecve, "fexecve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_fhopen, "fhopen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstat, "fhstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstatfs, "fhstatfs", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_fhstat, "freebsd11_fhstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_fhstatfs, "freebsd11_fhstatfs", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_flock, "flock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fork, "fork", "%s()", NULL, NULL },
```

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{ TARGET_FREEBSD_NR_fpathconf, "fpathconf", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fstat, "fstat", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_fstatat, "fstatat", "%s(%d,\"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_fstatfs, "fstatfs", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_fstat, "freebsd11_fstat", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_fstatat,
 "freebsd11_fstatat", "%s(%d,\"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_fstatfs, "freebsd11_fstatfs", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_fsync, "fsync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ftruncate, "ftruncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_futimens, "futimens", "%s(%d,%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_futimes, "futimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getcontext, "getcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_getdirentries, "getdirentries", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_getdirentries, "freebsd11_getdirentries", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getegid, "getegid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_geteuid, "geteuid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getfh, "getfh", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getfsstat, "getfsstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_getfsstat, "freebsd11_getfsstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getgid, "getgid",
 "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getgroups, "getgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getitimer, "getitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getlogin, "getlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpeername, "getpeername", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgid, "getpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgrp, "getpgrp", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getpid, "getpid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getppid, "getppid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getpriority, "getpriority", "%s(%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_getrandom, "getrandom", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getresgid, "getresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getresuid, "getresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrlimit, "getrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrusage, "getrusage", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsid, "getsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockname,
 "getsockname", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockopt, "getsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_gettimeofday, "gettimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getuid, "getuid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_ioctl, "ioctl", NULL, print_ioctl, NULL },
{ TARGET_FREEBSD_NR_issetugid, "issetugid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_kevent, "freebsd11_kevent", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kevent, "kevent", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kill, "kill", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kqueue, "kqueue", NULL, NULL, NULL },
```

```
{ TARGET_FREEBSD_NR_ktrace, "ktrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lchown, "lchown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_link, "link", "%s(\"%s\",\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_listen, "listen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lpathconf, "lpathconf", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_lseek, "lseek", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_lstat,
 "freebsd11_lstat", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_madvise, "madvise", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mincore, "mincore", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_minherit, "minherit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mkdir, "mkdir", "%s(\"%s\",%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_mkfifo, "mkfifo", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mknodat, "mknodat", "%s(%d, \"%s\",%#o,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_mknod, "freebsd11_mknod", "%s(\"%s\",%#o,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_mknodat, "freebsd11_mknodat", "%s(%d, \"%s\",%#o,%#x)", NULL,
NULL },
{ TARGET_FREEBSD_NR_mlock, "mlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mlockall, "mlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mmap, "mmap", NULL, NULL, print_syscall_ret_addr },
{ TARGET_FREEBSD_NR_mount, "mount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mprotect, "mprotect", "%s(%#x,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_msgctl,
 "msgctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgget, "msgget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgrcv, "msgrcv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgsnd, "msgsnd", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msync, "msync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlock, "munlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munmap, "munmap", "%s(%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_nanosleep, "nanosleep", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_nfssvc, "nfssvc", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_open, "open", "%s(\"%s\",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_openat, "openat", "%s(%d, \"%s\",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_pathconf, "pathconf", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd10_pipe, "freebsd10_pipe", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pipe2, "pipe2", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_poll, "poll", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_posix_fallocate,
 "posix_fallocate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pread, "pread", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_preadv, "preadv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_profil, "profil", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ptrace, "ptrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwrite, "pwrite", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwritev, "pwritev", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_quotactl, "quotactl", NULL, NULL, NULL },
```

```
{ TARGET_FREEBSD_NR_read, "read", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readlink, "readlink", "%s(\"%s\",%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readv, "readv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_reboot, "reboot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvfrom, "recvfrom", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvmsg, "recvmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rename, "rename", "%s(\"%s\",\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_revoke, "revoke", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rfork,
 "rfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rmdir, "rmdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rtprio_thread, "rtprio_thread", "%s(%d, %d, %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sbrk, "sbrk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_get_priority_max, "sched_get_priority_max", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_get_priority_min, "sched_get_priority_min", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_yield, "sched_yield", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_select, "select", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semget, "semget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semop, "semop", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendmsg, "sendmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendto, "sendto", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setcontext, "setcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_setegid, "setegid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_seteuid, "seteuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgid, "setgid",
 NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgroups, "setgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setitimer, "setitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setlogin, "setlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpgid, "setpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpriority, "setpriority", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setregid, "setregid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresgid, "setresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresuid, "setresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setreuid, "setreuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setrlimit, "setrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsid, "setsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsockopt, "setsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_settimeofday, "settimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setuid, "setuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmat, "shmat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmctl, "shmctl",
 NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmdt, "shmdt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmget, "shmget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shutdown, "shutdown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaction, "sigaction", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaltstack, "sigaltstack", "%s(%p,%p)", NULL, NULL },
```

```
{ TARGET_FREEBSD_NR_sigpending, "sigpending", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigprocmask, "sigprocmask", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigreturn, "sigreturn", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigsuspend, "sigsuspend", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_socket, "socket", "%s(%d,%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_socketpair, "socketpair", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sstk, "sstk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_stat, "freebsd11_stat", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd11_statfs, "freebsd11_statfs", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_symlink, "symlink",
 "%s(\"%s\",\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_sync, "sync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sysarch, "sysarch", NULL, print_sysarch, NULL },
{ TARGET_FREEBSD_NR_syscall, "syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktimer_create, "timer_create" , NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktimer_delete, "timer_delete" , NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktimer_settime, "timer_settime" , NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktimer_gettime, "timer_gettime" , NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktimer_getoverrun, "timer_getoverrun" , NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_create, "thr_create", "%s(%#x, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_exit, "thr_exit", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill, "thr_kill", "%s(%d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill2, "thr_kill2", "%s(%d, %d, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_new, "thr_new", "%s(%#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_self, "thr_self", "%s(%#x)",
 NULL, NULL },
{ TARGET_FREEBSD_NR_thr_set_name, "thr_set_name", "%s(%d, \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_suspend, "thr_suspend", "%s(%d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_wake, "thr_wake", "%s(%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_truncate, "truncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_umask, "umask", "%s(%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_unlink, "unlink", "%s(\"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_unmount, "unmount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_utimes, "utimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_utimensat, "utimensat", "%s(%d,%s,%p,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_vfork, "vfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait4, "wait4", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait6, "wait6", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_write, "write", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_writev, "writev", "%s(%d,%p,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_posix_openpt, "posix_openpt", "%s(%d)", NULL,
 NULL },
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*  FreeBSD VM parameters definitions
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*
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```

```
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*/
#ifndef _TARGET_OS_VMPARAM_H_
#define _TARGET_OS_VMPARAM_H_

#include "target_arch_vmparam.h"

/* Compare to sys/exec.h */
struct target_ps_strings {
  abi_ulong ps_argvstr;
  uint32_t ps_nargvstr;
  abi_ulong ps_envstr;
  uint32_t ps_nenvstr;
};

extern
 abi_ulong target_stkbas;
extern abi_ulong target_stksiz;

#define TARGET_PS_STRINGS  ((target_stkbas + target_stksiz) - \
                    sizeof(struct target_ps_strings))

#endif /* !TARGET_OS_VMPARAM_H_ */
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```
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*  System call related declarations
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*/

#ifndef _SYSCALL_DEFS_H_
#define _SYSCALL_DEFS_H_

#include <sys/syscall.h>

#include "errno_defs.h"

#include "freebsd/syscall_nr.h"
#include "netbsd/syscall_nr.h"
#include "openbsd/syscall_nr.h"

/*
* machine/_types.h
* or x86/_types.h
 */

/*
* time_t seems to be very inconsistly defined for the different *BSD's...
*
```

```
* FreeBSD uses a 64bits time_t except on i386
* so we have to add a special case here.
*
* On NetBSD time_t is always defined as an int64_t.  On OpenBSD time_t
* is always defined as an int.
*
*/
#if (!defined(TARGET_I386))
typedef int64_t target_freebsd_time_t;
#else
typedef int32_t target_freebsd_time_t;
#endif

struct target_iovec {
  abi_long iov_base;   /* Starting address */
  abi_long iov_len;   /* Number of bytes */
};

/*
*  sys/mman.h
*/
#define TARGET_FREEBSD_MAP_RESERVED0080 0x0080  /* previously misimplemented */
                                /* MAP_INHERIT */
#define TARGET_FREEBSD_MAP_RESERVED0100 0x0100  /* previously unimplemented */
                                /* MAP_NOEXTEND */
#define TARGET_FREEBSD_MAP_STACK        0x0400  /* region grows down, like a */
                                /* stack */
#define TARGET_FREEBSD_MAP_NOSYNC
     0x0800  /* page to but do not sync */
                                /* underlying file */

#define TARGET_FREEBSD_MAP_FLAGMASK     0x1ff7

#define TARGET_NETBSD_MAP_INHERIT       0x0080  /* region is retained after */
                                /* exec */
#define TARGET_NETBSD_MAP_TRYFIXED      0x0400  /* attempt hint address, even */
                                /* within break */
#define TARGET_NETBSD_MAP_WIRED         0x0800  /* mlock() mapping when it is */
                                /* established */

#define TARGET_NETBSD_MAP_STACK         0x2000  /* allocated from memory, */
                                /* swap space (stack) */

#define TARGET_NETBSD_MAP_FLAGMASK      0x3ff7

#define TARGET_OPENBSD_MAP_INHERIT      0x0080  /* region is retained after */
                                /* exec */
#define TARGET_OPENBSD_MAP_NOEXTEND     0x0100
```

```
  /* for MAP_FILE, don't change */
                                  /* file size */
#define TARGET_OPENBSD_MAP_TRYFIXED     0x0400  /* attempt hint address, */
                                  /* even within heap */

#define TARGET_OPENBSD_MAP_FLAGMASK     0x17f7

/* XXX */
#define TARGET_BSD_MAP_FLAGMASK         0x3ff7

/*
* sys/time.h
* sys/timex.h
*/

typedef abi_long target_freebsd_suseconds_t;

/* compare to sys/timespec.h */
struct target_freebsd_timespec {
   target_freebsd_time_t   tv_sec;     /* seconds */
   abi_long                tv_nsec;    /* and nanoseconds */
#if !defined(TARGET_I386) && TARGET_ABI_BITS == 32
   abi_long _pad;
#endif
};

#define TARGET_CPUCLOCK_WHICH_PID   0
#define TARGET_CPUCLOCK_WHICH_TID   1

/* sys/umtx.h */
struct target_freebsd__umtx_time {
   struct target_freebsd_timespec  _timeout;
   uint32_t    _flags;
   uint32_t    _clockid;
};

struct target_freebsd_timeval {
   target_freebsd_time_t       tv_sec; /*
 seconds */
   target_freebsd_suseconds_t  tv_usec;/* and microseconds */
#if !defined(TARGET_I386) && TARGET_ABI_BITS == 32
   abi_long _pad;
#endif
};

/*
*  sys/resource.h
*/
```

```
#if defined(__FreeBSD__)
#define TARGET_RLIM_INFINITY    RLIM_INFINITY
#else
#define TARGET_RLIM_INFINITY    ((abi_ulong)-1)
#endif

#define TARGET_RLIMIT_CPU       0
#define TARGET_RLIMIT_FSIZE     1
#define TARGET_RLIMIT_DATA      2
#define TARGET_RLIMIT_STACK     3
#define TARGET_RLIMIT_CORE      4
#define TARGET_RLIMIT_RSS       5
#define TARGET_RLIMIT_MEMLOCK   6
#define TARGET_RLIMIT_NPROC     7
#define TARGET_RLIMIT_NOFILE    8
#define TARGET_RLIMIT_SBSIZE    9
#define TARGET_RLIMIT_AS        10
#define TARGET_RLIMIT_NPTS      11
#define TARGET_RLIMIT_SWAP      12

struct target_rlimit {
  uint64_t rlim_cur;
  uint64_t rlim_max;
};

struct target_freebsd_rusage {
  struct target_freebsd_timeval ru_utime; /* user time used */
  struct target_freebsd_timeval ru_stime; /* system time used */

  abi_long    ru_maxrss;      /* maximum resident set size */
  abi_long    ru_ixrss;       /* integral shared memory size */
  abi_long    ru_idrss;       /* integral unshared data size */
  abi_long    ru_isrss;       /* integral unshared stack size */
  abi_long    ru_minflt;      /* page reclaims */
  abi_long    ru_majflt;      /* page faults */
  abi_long    ru_nswap;       /* swaps */
  abi_long    ru_inblock;     /* block input operations */
  abi_long    ru_oublock;     /* block output operations */
  abi_long    ru_msgsnd;      /* messages sent */
  abi_long    ru_msgrcv;      /* messages received */
  abi_long    ru_nsignals;    /* signals received */
  abi_long    ru_nvcsw;       /* voluntary context switches */
  abi_long    ru_nivcsw;      /* involuntary context switches */
};

struct target_freebsd__wrusage {
  struct target_freebsd_rusage wru_self;
  struct target_freebsd_rusage wru_children;
```

```
};

#endif /* ! _SYSCALL_DEFS_H_ */
```

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```
/*
*  i386 sysarch system call emulation
*
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*/

#ifndef BSD_USER_ARCH_SYSARCH_H_
#define BSD_USER_ARCH_SYSARCH_H_

#include "target_syscall.h"

static inline abi_long do_freebsd_arch_sysarch(CPUX86State *env, int op,
      abi_ulong parms)
{
  abi_long ret = 0;
  abi_ulong val;
  int idx;

  switch
 (op) {
  case TARGET_FREEBSD_I386_SET_GSBASE:
  case TARGET_FREEBSD_I386_SET_FSBASE:
     if (op == TARGET_FREEBSD_I386_SET_GSBASE) {
        idx = R_GS;
     } else {
        idx = R_FS;
     }
     if (get_user(val, parms, abi_ulong)) {
        return -TARGET_EFAULT;
```

```
        }
        cpu_x86_load_seg(env, idx, 0);
        env->segs[idx].base = val;
        break;

    case TARGET_FREEBSD_I386_GET_GSBASE:
    case TARGET_FREEBSD_I386_GET_FSBASE:
        if (op == TARGET_FREEBSD_I386_GET_GSBASE) {
            idx = R_GS;
        } else {
            idx = R_FS;
        }
        val = env->segs[idx].base;
        if (put_user(val, parms, abi_ulong)) {
            return -TARGET_EFAULT;
        }
        break;

    /* XXX handle the others... */
    default:
        ret = -TARGET_EINVAL;
        break;
    }
    return ret;
}

static inline void do_freebsd_arch_print_sysarch(
        const struct syscallname *name, abi_long arg1, abi_long arg2,

    abi_long arg3, abi_long arg4, abi_long arg5, abi_long arg6)
{

    gemu_log("%s(%d, " TARGET_ABI_FMT_lx ", " TARGET_ABI_FMT_lx ", "
        TARGET_ABI_FMT_lx ")", name->name, (int)arg1, arg2, arg3, arg4);
}

#endif /* !BSD_USER_ARCH_SYSARCH_H_ */
#ifndef _TARGET_OS_SIGINFO_H_
#define _TARGET_OS_SIGINFO_H_

#define TARGET_NSIG     32  /* counting 0; could be 33 (mask is 1-32) */
#define TARGET_NSIG_BPW     (sizeof(uint32_t) * 8)
#define TARGET_NSIG_WORDS   (TARGET_NSIG / TARGET_NSIG_BPW)

/* this struct defines a stack used during syscall handling */
typedef struct target_sigaltstack {
    abi_long    ss_sp;
    abi_ulong   ss_size;
```

```
  abi_long    ss_flags;
} target_stack_t;

typedef struct {
  uint32_t __bits[TARGET_NSIG_WORDS];
} target_sigset_t

struct target_sigaction {
  abi_ulong   _sa_handler;
  int32_t     sa_flags;
  target_sigset_t sa_mask;
};

/* Compare to sys/siginfo.h */
typedef union target_sigval {
  int         sival_int;
  abi_ulong   sival_ptr;
} target_sigval_t;

struct target_ksiginfo {
  int32_t     _signo;
  int32_t     _code;
  int32_t     _errno;
#if TARGET_ABI_BITS == 64
  int32_t     _pad;
#endif
  union {
    struct {
      int32_t           _pid;
      int32_t
        _uid;
      target_sigval_t    _value;
    } _rt;

    struct {
      int32_t           _pid;
      int32_t           _uid;
      int32_t           _struct;
      /* clock_t         _utime; */
      /* clock_t         _stime; */
    } _child;

    struct {
      abi_ulong          _addr;
      int32_t           _trap;
    } _fault;

    struct {
```

```
        long              _band;
        int               _fd;
      } _poll;
  } _reason;
};

typedef union target_siginfo {
  int8_t     si_pad[128];
  struct     target_ksiginfo  _info;
} target_siginfo_t;

#define target_si_signo     _info._signo
#define target_si_code      _info._code
#define target_si_errno     _info._errno
#define target_si_addr      _info._reason._fault._addr

#define TARGET_SEGV_MAPERR  1
#define TARGET_SEGV_ACCERR  2

#define TARGET_TRAP_BRKPT   1
#define TARGET_TRAP_TRACE   2


#endif /* ! _TARGET_OS_SIGINFO_H_
 */
/*
*  FreeBSD siginfo related definitions
*
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*  it under the terms of the GNU General Public License as published by
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*  along with this program; if not, see <http://www.gnu.org/licenses/>.
*/
#ifndef _TARGET_OS_SIGINFO_H_
#define _TARGET_OS_SIGINFO_H_

#define TARGET_NSIG        128
#define TARGET_NSIG_BPW     (sizeof(uint32_t) * 8)
```

```
#define TARGET_NSIG_WORDS   (TARGET_NSIG / TARGET_NSIG_BPW)

/* this struct defines a stack used during syscall
 handling */
typedef struct target_sigaltstack {
  abi_long    ss_sp;
  abi_ulong   ss_size;
  abi_long    ss_flags;
} target_stack_t;

typedef struct {
  uint32_t __bits[TARGET_NSIG_WORDS];
} target_sigset_t;

struct target_sigaction {
  abi_ulong   _sa_handler;
  int32_t     sa_flags;
  target_sigset_t sa_mask;
};

typedef union target_sigval {
  int32_t sival_int;
  abi_ulong sival_ptr;
  int32_t sigval_int;
  abi_ulong sigval_ptr;
} target_sigval_t;

typedef struct target_siginfo {
  int32_t si_signo;   /* signal number */
  int32_t si_errno;   /* errno association */
  int32_t si_code;    /* signal code */
  int32_t si_pid;     /* sending process */
  int32_t si_uid;     /* sender's ruid */
  int32_t si_status;  /* exit value */
  abi_ulong si_addr;  /* faulting instruction */
  union target_sigval si_value;   /* signal value */
  union {
     struct {
        int32_t _trapno;    /* machine specific trap code */
     } _fault;


    /* POSIX.1b timers */
     struct {
        int32_t _timerid;
        int32_t _overrun;
     } _timer;
```

```
        struct {
            int32_t _mqd;
        } _mesgp;

        /* SIGPOLL */
        struct {
            int _band;  /* POLL_IN, POLL_OUT, POLL_MSG */
        } _poll;

        struct {
            abi_long __spare1__;
            int32_t  __spare2_[7];
        } __spare__;
    } _reason;
} target_siginfo_t;

struct target_sigevent {
    abi_int sigev_notify;
    abi_int sigev_signo;
    target_sigval_t sigev_value;
    union {
        abi_int _threadid;

        /*
         * The kernel (and thus QEMU) never looks at these;
         * they're only used as part of the ABI between a
         * userspace program and libc.
         */
        struct {
            abi_ulong _function;
            abi_ulong _attribute;
        } _sigev_thread;
        abi_ushort _kevent_flags;
        abi_long _pad[8];
    } _sigev_un;
};

#define target_si_signo     si_signo
#define
 target_si_code      si_code
#define target_si_errno     si_errno
#define target_si_addr      si_addr

/* SIGILL si_codes */
#define TARGET_ILL_ILLOPC   (1) /* Illegal opcode. */
#define TARGET_ILL_ILLOPN   (2) /* Illegal operand. */
#define TARGET_ILL_ILLADR   (3) /* Illegal addressing mode. */
#define TARGET_ILL_ILLTRP   (4) /* Illegal trap. */
```

```
#define TARGET_ILL_PRVOPC   (5) /* Privileged opcode. */
#define TARGET_ILL_PRVREG   (6) /* Privileged register. */
#define TARGET_ILL_COPROC   (7) /* Coprocessor error. */
#define TARGET_ILL_BADSTK   (8) /* Internal stack error. */

/* SIGSEGV si_codes */
#define TARGET_SEGV_MAPERR  (1) /* address not mapped to object */
#define TARGET_SEGV_ACCERR  (2) /* invalid permissions for mapped object */

/* SIGTRAP si_codes */
#define TARGET_TRAP_BRKPT   (1) /* process beakpoint */
#define TARGET_TRAP_TRACE   (2) /* process trace trap */

/* SIGBUS si_codes */
#define TARGET_BUS_ADRALN   (1)
#define TARGET_BUS_ADRERR   (2)
#define TARGET_BUS_OBJERR
  (3)

/* SIGFPE codes */
#define TARGET_FPE_INTOVF   (1) /* Integer overflow. */
#define TARGET_FPE_INTDIV   (2) /* Integer divide by zero. */
#define TARGET_FPE_FLTDIV   (3) /* Floating point divide by zero. */
#define TARGET_FPE_FLTOVF   (4) /* Floating point overflow. */
#define TARGET_FPE_FLTUND   (5) /* Floating point underflow. */
#define TARGET_FPE_FLTRES   (6) /* Floating point inexact result. */
#define TARGET_FPE_FLTINV   (7) /* Invalid floating point operation. */
#define TARGET_FPE_FLTSUB   (8) /* Subscript out of range. */

#endif /* !_TARGET_OS_SIGINFO_H_ */
/*
*  x86_64 sysarch() syscall emulation
*
*
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*  it under the terms of the GNU General Public License as published by
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*  along with this program; if not, see <http://www.gnu.org/licenses/>.
*/
```

```
#ifndef BSD_USER_ARCH_SYSARCH_H_
#define BSD_USER_ARCH_SYSARCH_H_

#include "target_syscall.h"

static inline abi_long do_freebsd_arch_sysarch(CPUX86State *env, int op,
      abi_ulong parms)
{
  abi_long ret = 0;
  abi_ulong val;
  int idx;

  switch (op) {
  case TARGET_FREEBSD_AMD64_SET_GSBASE:
   case TARGET_FREEBSD_AMD64_SET_FSBASE:
     if (op == TARGET_FREEBSD_AMD64_SET_GSBASE) {
        idx = R_GS;
     } else {
        idx = R_FS;
     }
     if (get_user(val, parms, abi_ulong)) {
        return -TARGET_EFAULT;
     }
     cpu_x86_load_seg(env, idx, 0);
     env->segs[idx].base = val;
     break;

  case TARGET_FREEBSD_AMD64_GET_GSBASE:
  case TARGET_FREEBSD_AMD64_GET_FSBASE:
     if (op == TARGET_FREEBSD_AMD64_GET_GSBASE) {
        idx = R_GS;
     } else {
        idx = R_FS;
     }
     val = env->segs[idx].base;
     if (put_user(val, parms, abi_ulong)) {
        return -TARGET_EFAULT;
     }
     break;

  /* XXX handle the others... */
  default:
     ret = -TARGET_EINVAL;
     break;
  }
  return ret;
}
```

```
static inline void do_freebsd_arch_print_sysarch(
      const struct syscallname *name, abi_long arg1, abi_long arg2,
      abi_long arg3, abi_long arg4,
 abi_long arg5, abi_long arg6)
{

  gemu_log("%s(%d, " TARGET_ABI_FMT_lx ", " TARGET_ABI_FMT_lx ", "
     TARGET_ABI_FMT_lx ")", name->name, (int)arg1, arg2, arg3, arg4);
}

#endif /*! BSD_USER_ARCH_SYSARCH_H_ */
Index: debug.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
void X86EMU_trace_regs (void)
{
   if (DEBUG_TRACE()) {
-       x86emu_dump_regs();
+ if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+         x86emu_dump_xregs();
+ } else {
+         x86emu_dump_regs();
+ }
   }
   if (DEBUG_DECODE() && ! DEBUG_DECODE_NOPRINT()) {
      printk("%04x:%04x ",M.x86.saved_cs, M.x86.saved_ip);
@@ -185,7 +189,7 @@
   for (i=0; i< M.x86.enc_pos; i++) {
      sprintf(buf1+2*i,"%02x", fetch_data_byte_abs(s,o+i));
   }
-    printk("%-20s",buf1);
+    printk("%-20s ",buf1);
}

static void print_decoded_instruction (void)
Index: ops2.c
===================================================================
RCS file:
 /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
```

```
--- ops2.c 7 Sep 2007 10:01:21 -0000 1.1
+++ ops2.c 20 Mar 2008 15:48:34 -0000 1.3
@@ -149,8 +149,69 @@
   target += (s16) M.x86.R_IP;
   DECODE_PRINTF2("%04x\n", target);
   TRACE_AND_STEP();
-  if (cond)
+   if (cond) {
       M.x86.R_IP = (u16)target;
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+   }
+   DECODE_CLEAR_SEGOVR();
+   END_OF_INSTR();
+}
+
+/****************************************************************************
+REMARKS:
+Handles opcode 0x0f,0xC8-0xCF
+****************************************************************************/
+s32 x86emu_bswap(s32 reg)
+{
+  // perform the byte swap
+  s32 temp = reg;
+  reg = (temp & 0xFF000000) >> 24;
+  reg |= (temp & 0xFF0000) >> 8;
+  reg |= (temp & 0xFF00) << 8;
+  reg |= (temp & 0xFF) << 24;
+  return reg;
+}
+
+void x86emuOp2_bswap(u8 op2)
+{
+
   /* byte swap 32 bit register */
+   START_OF_INSTR();
+   DECODE_PRINTF("BSWAP\t");
+   switch (op2) {
+     case 0xc8:
+       DECODE_PRINTF("EAX\n");
+       M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
+       break;
+     case 0xc9:
+       DECODE_PRINTF("ECX\n");
+       M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
+       break;
+     case 0xca:
+       DECODE_PRINTF("EDX\n");
+       M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
```

```
+       break;
+     case 0xcb:
+       DECODE_PRINTF("EBX\n");
+       M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+       break;
+     case 0xcc:
+       DECODE_PRINTF("ESP\n");
+       M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+       break;
+     case 0xcd:
+       DECODE_PRINTF("EBP\n");
+       M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+       break;
+     case 0xce:
+       DECODE_PRINTF("ESI\n");
+       M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+       break;
+     case 0xcf:
+       DECODE_PRINTF("EDI\n");
+       M.x86.R_EDI
 = x86emu_bswap(M.x86.R_EDI);
+       break;
+   }
+   TRACE_AND_STEP();
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -1702,14 +1763,14 @@
/*  0xc5 */ x86emuOp2_illegal_op,
/*  0xc6 */ x86emuOp2_illegal_op,
/*  0xc7 */ x86emuOp2_illegal_op,
-/*  0xc8 */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/*  0xc9 */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/*  0xca */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/*  0xcb */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/*  0xcc */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/*  0xcd */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/*  0xce */ x86emuOp2_illegal_op,  /* TODO: bswap */
-/*  0xcf */ x86emuOp2_illegal_op,  /* TODO: bswap */
+/*  0xc8 */ x86emuOp2_bswap,
+/*  0xc9 */ x86emuOp2_bswap,
+/*  0xca */ x86emuOp2_bswap,
+/*  0xcb */ x86emuOp2_bswap,
+/*  0xcc */ x86emuOp2_bswap,
+/*  0xcd */ x86emuOp2_bswap,
+/*  0xce */ x86emuOp2_bswap,
+/*  0xcf */ x86emuOp2_bswap,
```

```
/*  0xd0 */ x86emuOp2_illegal_op,
/*  0xd1 */ x86emuOp2_illegal_op,
Index:
 ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v
retrieving revision 1.1
diff -u -u -r1.1 ops.c
--- ops.c 7 Sep 2007 10:01:21 -0000 1.1
+++ ops.c 20 Mar 2008 16:52:00 -0000
@@ -1061,7 +1061,11 @@
   imm = (s8)fetch_byte_imm();
   DECODE_PRINTF2("PUSH\t%d\n", imm);
   TRACE_AND_STEP();
-   push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
}
@@ -1256,8 +1260,10 @@
   target = (u16)(M.x86.R_IP + (s16)offset);
   DECODE_PRINTF2("%x\n", target);
   TRACE_AND_STEP();
-   if (cond)
+    if (cond) {
       M.x86.R_IP = target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    }
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
}
@@ -2516,9 +2522,11 @@
   count = 1;
   if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE))
 {
       /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       count = M.x86.R_CX;
+       /* move them until (E)CX is ZERO. */
+       count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
       M.x86.R_CX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX = 0;
       M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
```

```
   }
   while (count--) {
@@ -2526,6 +2534,8 @@
       store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
       M.x86.R_SI += inc;
       M.x86.R_DI += inc;
+       if (M.x86.intr & INTR_HALTED)
+           break;
   }
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
@@ -2559,9 +2569,11 @@
   count = 1;
   if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
       /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       count = M.x86.R_CX;
+       /* move them until (E)CX is ZERO. */
+       count = (M.x86.mode
 & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
       M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX = 0;
       M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
   }
   while (count--) {
@@ -2574,6 +2586,8 @@
       }
       M.x86.R_SI += inc;
       M.x86.R_DI += inc;
+       if (M.x86.intr & INTR_HALTED)
+           break;
   }
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
@@ -2598,16 +2612,21 @@

   if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
       /* REPE  */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
           val1 = fetch_data_byte(M.x86.R_SI);
           val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_byte(val1, val2);
-           M.x86.R_CX -= 1;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
```

```
+
             M.x86.R_ECX -= 1;
+          else
+             M.x86.R_CX -= 1;
          M.x86.R_SI += inc;
          M.x86.R_DI += inc;
          if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
          if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+          if (M.x86.intr & INTR_HALTED)
+             break;
       }
       M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2644,8 +2663,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
       /* REPE  */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
          if (M.x86.mode & SYSMODE_PREFIX_DATA) {
             val1 = fetch_data_long(M.x86.R_SI);
             val2 = fetch_data_long_abs(M.x86.R_ES,
 M.x86.R_DI);
@@ -2655,11 +2674,16 @@
             val2 = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
             cmp_word((u16)val1, (u16)val2);
          }
-          M.x86.R_CX -= 1;
+          if (M.x86.mode & SYSMODE_32BIT_REP)
+             M.x86.R_ECX -= 1;
+          else
+             M.x86.R_CX -= 1;
          M.x86.R_SI += inc;
          M.x86.R_DI += inc;
          if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
          if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+          if (M.x86.intr & INTR_HALTED)
+             break;
       }
       M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2741,11 +2765,16 @@
    TRACE_AND_STEP();
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
       /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
```

```
-       while (M.x86.R_CX != 0) {
+       /*
 move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
          store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
-          M.x86.R_CX -= 1;
+          if (M.x86.mode & SYSMODE_32BIT_REP)
+             M.x86.R_ECX -= 1;
+          else
+             M.x86.R_CX -= 1;
          M.x86.R_DI += inc;
+          if (M.x86.intr & INTR_HALTED)
+             break;
       }
       M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
   } else {
@@ -2783,9 +2812,11 @@
   count = 1;
   if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
      /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       count = M.x86.R_CX;
+       /* move them until (E)CX is ZERO. */
+       count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
       M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+          M.x86.R_ECX = 0;

     M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
   }
   while (count--) {
@@ -2795,6 +2826,8 @@
         store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
       }
       M.x86.R_DI += inc;
+       if (M.x86.intr & INTR_HALTED)
+          break;
   }
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
@@ -2817,11 +2850,16 @@
       inc = 1;
   if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
      /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
```

```
          M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
-          M.x86.R_CX -= 1;
+          if (M.x86.mode & SYSMODE_32BIT_REP)
+             M.x86.R_ECX -= 1;
+          else
+             M.x86.R_CX -= 1;
          M.x86.R_SI += inc;
+          if (M.x86.intr & INTR_HALTED)
+
            break;
       }
       M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
   } else {
@@ -2859,9 +2897,11 @@
   count = 1;
   if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
      /* dont care whether REPE or REPNE */
-      /* move them until CX is ZERO. */
-      count = M.x86.R_CX;
+      /* move them until (E)CX is ZERO. */
+      count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
      M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+          M.x86.R_ECX = 0;
      M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
   }
   while (count--) {
@@ -2871,6 +2911,8 @@
         M.x86.R_AX = fetch_data_word(M.x86.R_SI);
      }
      M.x86.R_SI += inc;
+      if (M.x86.intr & INTR_HALTED)
+         break;
   }
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
@@ -2894,26 +2936,36 @@
      inc = 1;
   if (M.x86.mode & SYSMODE_PREFIX_REPE) {
      /*
 REPE  */
-      /* move them until CX is ZERO. */
-      while (M.x86.R_CX != 0) {
+      /* move them until (E)CX is ZERO. */
+      while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(M.x86.R_AL, val2);
-          M.x86.R_CX -= 1;
```

```
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+             M.x86.R_ECX -= 1;
+           else
+             M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (ACCESS_FLAG(F_ZF) == 0)
              break;
+           if (M.x86.intr & INTR_HALTED)
+             break;
        }
        M.x86.mode &= ~SYSMODE_PREFIX_REPE;
    } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
        /* REPNE  */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {

          val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
          cmp_byte(M.x86.R_AL, val2);
-           M.x86.R_CX -= 1;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+             M.x86.R_ECX -= 1;
+           else
+             M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (ACCESS_FLAG(F_ZF))
              break;          /* zero flag set means equal */
+           if (M.x86.intr & INTR_HALTED)
+             break;
        }
        M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
    } else {
@@ -2951,8 +3003,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPE  */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
          if (M.x86.mode & SYSMODE_PREFIX_DATA) {
            val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_long(M.x86.R_EAX,
 val);
@@ -2960,16 +3012,21 @@
            val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_word(M.x86.R_AX, (u16)val);
```

```
          }
-          M.x86.R_CX -= 1;
+          if (M.x86.mode & SYSMODE_32BIT_REP)
+             M.x86.R_ECX -= 1;
+          else
+             M.x86.R_CX -= 1;
          M.x86.R_DI += inc;
          if (ACCESS_FLAG(F_ZF) == 0)
            break;
+          if (M.x86.intr & INTR_HALTED)
+             break;
       }
       M.x86.mode &= ~SYSMODE_PREFIX_REPE;
    } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
       /* REPNE  */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
          if (M.x86.mode & SYSMODE_PREFIX_DATA) {
            val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_long(M.x86.R_EAX,
 val);
@@ -2977,10 +3034,15 @@
            val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_word(M.x86.R_AX, (u16)val);
          }
-          M.x86.R_CX -= 1;
+          if (M.x86.mode & SYSMODE_32BIT_REP)
+             M.x86.R_ECX -= 1;
+          else
+             M.x86.R_CX -= 1;
          M.x86.R_DI += inc;
          if (ACCESS_FLAG(F_ZF))
            break;         /* zero flag set means equal */
+          if (M.x86.intr & INTR_HALTED)
+             break;
       }
       M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
    } else {
@@ -3238,9 +3300,9 @@
    DECODE_PRINTF("RET\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
- RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
  TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
```

```
   M.x86.R_SP += imm;
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
@@ -3254,9 +3316,9
 @@
 {
   START_OF_INSTR();
   DECODE_PRINTF("RET\n");
- RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
 TRACE_AND_STEP();
   M.x86.R_IP = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
 }
@@ -3471,10 +3533,10 @@
   DECODE_PRINTF("RETF\t");
   imm = fetch_word_imm();
   DECODE_PRINTF2("%x\n", imm);
- RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
 TRACE_AND_STEP();
   M.x86.R_IP = pop_word();
   M.x86.R_CS = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
   M.x86.R_SP += imm;
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
@@ -3488,10 +3550,10 @@
 {
   START_OF_INSTR();
   DECODE_PRINTF("RETF\n");
- RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
 TRACE_AND_STEP();
   M.x86.R_IP = pop_word();
   M.x86.R_CS = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
   DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
 }
@@ -4020,8 +4082,11 @@
   ip += (s16) M.x86.R_IP;
   DECODE_PRINTF2("%04x\n", ip);
   TRACE_AND_STEP();
-   M.x86.R_CX -= 1;
-   if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF))      /* CX != 0 and !ZF */
+   if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+       M.x86.R_ECX -= 1;
+   else
```

```
+       M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
!ACCESS_FLAG(F_ZF))      /* (E)CX != 0 and !ZF */
        M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4041,8 +4106,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF))       /* CX != 0 and ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+       M.x86.R_ECX -= 1;
+    else
+       M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
ACCESS_FLAG(F_ZF))      /* (E)CX != 0 and ZF */
        M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4062,8 +4130,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0)
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+       M.x86.R_ECX -= 1;
+    else
+       M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0)      /* (E)CX != 0 */
        M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4085,8 +4156,10 @@
    target = (u16)(M.x86.R_IP + offset);
    DECODE_PRINTF2("%x\n", target);
    TRACE_AND_STEP();
-    if (M.x86.R_CX == 0)
+    if (M.x86.R_CX == 0) {
        M.x86.R_IP = target;
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
 }
@@ -4213,6 +4286,7 @@
```

```
   ip = (s16)fetch_word_imm();
   ip += (s16)M.x86.R_IP;
   DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs,
 M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
   TRACE_AND_STEP();
   M.x86.R_IP = (u16)ip;
   DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
   cs = fetch_word_imm();
   DECODE_PRINTF2("%04x:", cs);
   DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
   TRACE_AND_STEP();
   M.x86.R_IP = ip;
   M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
   offset = (s8)fetch_byte_imm();
   target = (u16)(M.x86.R_IP + offset);
   DECODE_PRINTF2("%x\n", target);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
   TRACE_AND_STEP();
   M.x86.R_IP = target;
   DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
   DECODE_PRINTF("REPNE\n");
   TRACE_AND_STEP();
   M.x86.mode |= SYSMODE_PREFIX_REPNE;
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
 }
@@ -4371,6 +4449,8 @@
   DECODE_PRINTF("REPE\n");
   TRACE_AND_STEP();
    M.x86.mode |= SYSMODE_PREFIX_REPE;
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
   DECODE_CLEAR_SEGOVR();
   END_OF_INSTR();
 }
@@ -5013,12 +5093,14 @@
           break;
       case 4:         /* jmp word ptr ... */
           destval = fetch_data_word(destoffset);
+            JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
           TRACE_AND_STEP();
```

```
          M.x86.R_IP = destval;
          break;
        case 5:         /* jmp far ptr ... */
          destval = fetch_data_word(destoffset);
          destval2 = fetch_data_word(destoffset + 2);
+           JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
          TRACE_AND_STEP();
          M.x86.R_IP = destval;
          M.x86.R_CS = destval2;
Index: prim_ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v
retrieving revision
 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- prim_ops.c 7 Sep 2007 10:01:21 -0000 1.1
+++ prim_ops.c 16 Jan 2008 14:18:15 -0000 1.3
@@ -1921,7 +1921,7 @@
void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
{
#ifdef  __HAS_LONG_LONG__
-    s64 res = (s64)d * (s64)s;
+    s64 res = (s64)(s32)d * (s64)(s32)s;

    *res_lo = (u32)res;
    *res_hi = (u32)(res >> 32);
@@ -2013,7 +2013,7 @@
void mul_long(u32 s)
{
#ifdef  __HAS_LONG_LONG__
-    u64 res = (u32)M.x86.R_EAX * (u32)s;
+    u64 res = (u64)M.x86.R_EAX * s;

    M.x86.R_EAX = (u32)res;
    M.x86.R_EDX = (u32)(res >> 32);
@@ -2312,16 +2312,15 @@
    }
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* in until CX is ZERO. */
-        u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+        /* in until (E)CX is ZERO. */
+        u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
                     M.x86.R_ECX : M.x86.R_CX);
-
         while (count--) {
          single_in(size);
```

```
         M.x86.R_DI += inc;
         }
       M.x86.R_CX = 0;
-       if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+       if (M.x86.mode & SYSMODE_32BIT_REP) {
          M.x86.R_ECX = 0;
       }
       M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@@ -2355,15 +2354,15 @@
   }
   if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
      /* dont care whether REPE or REPNE */
-       /* out until CX is ZERO. */
-       u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+       /* out until (E)CX is ZERO. */
+       u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
                M.x86.R_ECX : M.x86.R_CX);
       while (count--) {
        single_out(size);
        M.x86.R_SI += inc;
        }
       M.x86.R_CX = 0;
-       if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+       if (M.x86.mode & SYSMODE_32BIT_REP) {
          M.x86.R_ECX = 0;
       }
       M.x86.mode
 &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
Index: sys.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/sys.c,v
retrieving revision 1.1
retrieving revision 1.2
diff -u -u -r1.1 -r1.2
--- sys.c 7 Sep 2007 10:01:21 -0000 1.1
+++ sys.c 7 Sep 2007 10:03:13 -0000 1.2
@@ -45,11 +45,6 @@
#include <x86emu/regs.h>
#include "debug.h"
#include "prim_ops.h"
-#ifdef LINUXBIOS_VERSION
-#include "io.h"
-#else
-#include <sys/io.h>
-#endif

#ifdef IN_MODULE
#include "xf86_ansic.h"
```

```
@@ -220,7 +215,7 @@
{
 DB(if (DEBUG_IO_TRACE())
  printk("inb %#04x \n", addr);)
- return inb(addr);
+ return 0;
}

/*****************************************************************************
@@ -235,7 +230,7 @@
{
 DB(if (DEBUG_IO_TRACE())
  printk("inw %#04x \n", addr);)
- return inw(addr);
+ return 0;
}

/*****************************************************************************
@@ -250,7 +245,7 @@
{
 DB(if (DEBUG_IO_TRACE())
   printk("inl %#04x \n", addr);)
- return inl(addr);
+ return 0;
}

/*****************************************************************************
@@ -264,7 +259,6 @@
{
 DB(if (DEBUG_IO_TRACE())
  printk("outb %#02x -> %#04x \n", val, addr);)
- outb(val, addr);
 return;
}

@@ -279,7 +273,6 @@
{
 DB(if (DEBUG_IO_TRACE())
  printk("outw %#04x -> %#04x \n", val, addr);)
- outw(val, addr);
 return;
}

@@ -295,7 +288,6 @@
 DB(if (DEBUG_IO_TRACE())
       printk("outl %#08x -> %#04x \n", val, addr);)

- outl(val, addr);
```

```
 return;
}

@@ -405,6 +397,6 @@

void X86EMU_setMemBase(void *base, size_t size)
{
- M.mem_base = (int) base;
+ M.mem_base = (unsigned long) base;
 M.mem_size = size;
}
Index: include/x86emu/debug.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h 7
 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/debug.h 20 Mar 2008 15:25:27 -0000 1.4
@@ -40,8 +40,6 @@
#ifndef __X86EMU_DEBUG_H
#define __X86EMU_DEBUG_H

-//#define DEBUG 0
-#undef DEBUG
/*---------------------- Macros and type definitions ----------------------*/

/* checks to be enabled for "runtime" */
@@ -78,6 +76,8 @@
# define DEBUG_SYSINT()        (M.x86.debug & DEBUG_SYSINT_F)
# define DEBUG_TRACECALL()     (M.x86.debug & DEBUG_TRACECALL_F)
# define DEBUG_TRACECALLREGS()  (M.x86.debug & DEBUG_TRACECALL_REGS_F)
+# define DEBUG_TRACEJMP()      (M.x86.debug & DEBUG_TRACEJMP_F)
+# define DEBUG_TRACEJMPREGS()   (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
# define DEBUG_SYS()           (M.x86.debug & DEBUG_SYS_F)
# define DEBUG_MEM_TRACE()     (M.x86.debug & DEBUG_MEM_TRACE_F)
# define DEBUG_IO_TRACE()      (M.x86.debug & DEBUG_IO_TRACE_F)
@@ -96,6 +96,8 @@
# define DEBUG_SYSINT()        0
# define DEBUG_TRACECALL()     0
# define DEBUG_TRACECALLREGS()  0
+# define DEBUG_TRACEJMP()
      0
+# define DEBUG_TRACEJMPREGS()   0
# define DEBUG_SYS()           0
# define DEBUG_MEM_TRACE()     0
# define DEBUG_IO_TRACE()      0
```

```
@@ -169,14 +171,20 @@
  x86emu_dump_regs();                                   \
 if (DEBUG_TRACECALL())                                 \
  printk("%04x:%04x: CALL %s%04x:%04x\n", u , v, s, w, x);
-# define RETURN_TRACE(n,u,v)                           \
+# define RETURN_TRACE(u,v,w,x,s)                       \
 if (DEBUG_TRACECALLREGS())        \
  x86emu_dump_regs();                                   \
 if (DEBUG_TRACECALL())                                 \
-  printk("%04x:%04x: %s\n",u,v,n);
+  printk("%04x:%04x: RET %s %04x:%04x\n",u,v,s,w,x);
+# define  JMP_TRACE(u,v,w,x,s)                         \
+   if (DEBUG_TRACEJMPREGS()) \
+     x86emu_dump_regs(); \
+   if (DEBUG_TRACEJMP()) \
+     printk("%04x:%04x: JMP %s%04x:%04x\n", u , v, s, w, x);
 #else
 # define CALL_TRACE(u,v,w,x,s)
-#
- define RETURN_TRACE(n,u,v)
+# define RETURN_TRACE(u,v,w,x,s)
+# define  JMP_TRACE(u,v,w,x,s)
 #endif

 #ifdef DEBUG
Index: include/x86emu/regs.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h 7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/regs.h 15 Jan 2008 13:46:40 -0000 1.4
@@ -231,6 +231,9 @@
#define SYSMODE_PREFIX_REPNE    0x00000100
#define SYSMODE_PREFIX_DATA     0x00000200
#define SYSMODE_PREFIX_ADDR     0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+#define SYSMODE_32BIT_REP       0x00000800
#define SYSMODE_INTR_PENDING    0x10000000
#define SYSMODE_EXTRN_INTR      0x20000000
#define SYSMODE_HALTED          0x40000000
@@ -250,7 +253,8 @@
       SYSMODE_SEGOVR_GS     | \
      SYSMODE_SEGOVR_SS     | \
      SYSMODE_PREFIX_DATA    | \
-      SYSMODE_PREFIX_ADDR)
```

```
+       SYSMODE_PREFIX_ADDR   | \
+       SYSMODE_32BIT_REP)

#define  INTR_SYNCH          0x1
#define  INTR_ASYNCH         0x2
@@ -274,9 +278,9 @@
     */
    u32                     mode;
    volatile int              intr;   /* mask of pending interrupts */
- int                     debug;
+    volatile int                    debug;
#ifdef DEBUG
- int                     check;
+    int                     check;
    u16                     saved_ip;
    u16                     saved_cs;
    int                     enc_pos;
Index: include/x86emu/x86emu.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- include/x86emu/x86emu.h 7 Sep 2007 10:01:21
 -0000 1.1
+++ include/x86emu/x86emu.h 19 Oct 2007 08:42:15 -0000 1.3
@@ -47,6 +47,7 @@
#include <console.h>
#define printk(x...) printk(BIOS_DEBUG, x)
#else
+#include <stdio.h>
#define printk printf
#endif

@@ -189,6 +181,8 @@
#define DEBUG_TRACECALL_REGS_F  0x004000
#define DEBUG_DECODE_NOPRINT_F  0x008000
#define DEBUG_SAVE_IP_CS_F      0x010000
+#define DEBUG_TRACEJMP_F        0x020000
+#define DEBUG_TRACEJMP_REGS_F   0x040000
#define DEBUG_SYS_F             (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)

void  X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#ifdef  __cplusplus
}                       /* End of "C" linkage for C++    */
#endif
-
```

#endif /* __X86EMU_X86EMU_H */
Licensing and contribution policy of dtc and libfdt
==========

This dtc package contains two pieces of software: dtc itself, and
libfdt which comprises the files in the libfdt/ subdirectory. These
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the intended place. Again, I judged encouraging widespread use of

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IMPORTANT It's intended that all of libfdt as released remain
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David Gibson <david@gibson.dropbear.id.au>
(principal original author of dtc and libfdt)
2 November 2007

```
/*
*  netbsd ELF definitions
*
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*
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*/
#ifndef _TARGET_OS_ELF_H_
#define _TARGET_OS_ELF_H_

#include "target_arch_elf.h"
#include "elf.h"

/* this flag is uneffective under linux too, should be deleted */
#ifndef MAP_DENYWRITE
#define MAP_DENYWRITE 0
#endif

/* should probably go in elf.h */
#ifndef ELIBBAD
#define
 ELIBBAD 80
#endif

#ifndef ELF_PLATFORM
#define ELF_PLATFORM (NULL)
```

```
#endif

#ifndef ELF_HWCAP
#define ELF_HWCAP 0
#endif

#ifdef TARGET_ABI32
#undef ELF_CLASS
#define ELF_CLASS ELFCLASS32
#undef bswaptls
#define bswaptls(ptr) bswap32s(ptr)
#endif

/* max code+data+bss space allocated to elf interpreter */
#define INTERP_MAP_SIZE (32 * 1024 * 1024)

/* max code+data+bss+brk space allocated to ET_DYN executables */
#define ET_DYN_MAP_SIZE (128 * 1024 * 1024)

/* Necessary parameters */
#define TARGET_ELF_EXEC_PAGESIZE TARGET_PAGE_SIZE
#define TARGET_ELF_PAGESTART(_v) ((_v) & \
     ~(unsigned long)(TARGET_ELF_EXEC_PAGESIZE - 1))
#define TARGET_ELF_PAGEOFFSET(_v) ((_v) & (TARGET_ELF_EXEC_PAGESIZE - 1))

#define DLINFO_ITEMS 12

static abi_ulong target_create_elf_tables(abi_ulong p, int argc, int envc,
                                abi_ulong stringp,
                                struct elfhdr *exec,
                                abi_ulong load_addr,
                                 abi_ulong load_bias,
                                abi_ulong interp_load_addr,
                                struct image_info *info)
{
     abi_ulong sp;
     int size;
     abi_ulong u_platform;
     const char *k_platform;
     const int n = sizeof(elf_addr_t);

     sp = p;
     u_platform = 0;
     k_platform = ELF_PLATFORM;
     if (k_platform) {
        size_t len = strlen(k_platform) + 1;
        sp -= (len + n - 1) & ~(n - 1);
        u_platform = sp;
```

```
            /* FIXME - check return value of memcpy_to_target() for failure */
            memcpy_to_target(sp, k_platform, len);
        }
        /*
         * Force 16 byte _final_ alignment here for generality.
         */
        sp = sp & ~(abi_ulong)15;
        size = (DLINFO_ITEMS + 1) * 2;
        if (k_platform) {
            size += 2;
        }
#ifdef DLINFO_ARCH_ITEMS
        size += DLINFO_ARCH_ITEMS * 2;
#endif
         size += envc + argc + 2;
        size += 1;                      /* argc itself */
        size *= n;
        if (size & 15) {
            sp -= 16 - (size & 15);
        }

        /*
         * NetBSD defines elf_addr_t as Elf32_Off / Elf64_Off
         */
#define NEW_AUX_ENT(id, val) do {               \
            sp -= n; put_user_ual(val, sp);     \
            sp -= n; put_user_ual(id, sp);      \
          } while (0)

        NEW_AUX_ENT(AT_NULL, 0);

        /* There must be exactly DLINFO_ITEMS entries here.  */
        NEW_AUX_ENT(AT_PHDR, (abi_ulong)(load_addr + exec->e_phoff));
        NEW_AUX_ENT(AT_PHENT, (abi_ulong)(sizeof(struct elf_phdr)));
        NEW_AUX_ENT(AT_PHNUM, (abi_ulong)(exec->e_phnum));
        NEW_AUX_ENT(AT_PAGESZ, (abi_ulong)(TARGET_PAGE_SIZE));
        NEW_AUX_ENT(AT_BASE, (abi_ulong)(interp_load_addr));
        NEW_AUX_ENT(AT_FLAGS, (abi_ulong)0);
        NEW_AUX_ENT(AT_ENTRY, load_bias + exec->e_entry);
        NEW_AUX_ENT(AT_UID,
    (abi_ulong)getuid());
        NEW_AUX_ENT(AT_EUID, (abi_ulong)geteuid());
        NEW_AUX_ENT(AT_GID, (abi_ulong)getgid());
        NEW_AUX_ENT(AT_EGID, (abi_ulong)getegid());
        NEW_AUX_ENT(AT_HWCAP, (abi_ulong)ELF_HWCAP);
        NEW_AUX_ENT(AT_CLKTCK, (abi_ulong)sysconf(_SC_CLK_TCK));
        if (k_platform) {
            NEW_AUX_ENT(AT_PLATFORM, u_platform);
```

```
	}
#ifdef ARCH_DLINFO
	/*
	 * ARCH_DLINFO must come last so platform specific code can enforce
	 * special alignment requirements on the AUXV if necessary (eg. PPC).
	 */
	ARCH_DLINFO;
#endif
#undef NEW_AUX_ENT

	sp = loader_build_argptr(envc, argc, sp, stringp);
	return sp;
}

#endif /* _TARGET_OS_ELF_H_ */
```

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*/

#include "target_arch_sysarch.h"    /* architecture dependent functions */


static inline void do_os_print_sysarch(const struct syscallname *name,
      abi_long arg1, abi_long arg2, abi_long arg3, abi_long arg4,
      abi_long arg5, abi_long arg6)
{
   /* This is arch dependent */
  do_freebsd_arch_print_sysarch(name, arg1, arg2, arg3, arg4, arg5, arg6);
}
```

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*
*      @(#)errno.h     8.5 (Berkeley) 1/21/94
*/

#ifndef _ERRNO_DEFS_H_
#define _ERRNO_DEFS_H_

#define
 TARGET_EPERM           1            /* Operation not permitted */
#define TARGET_ENOENT          2            /* No such file or directory */
#define TARGET_ESRCH           3            /* No such process */
#define TARGET_EINTR           4            /* Interrupted system call */
#define TARGET_EIO             5            /* Input/output error */
#define TARGET_ENXIO           6            /* Device not configured */
#define TARGET_E2BIG           7            /* Argument list too long */
#define TARGET_ENOEXEC         8            /* Exec format error */
#define TARGET_EBADF           9            /* Bad file descriptor */
#define TARGET_ECHILD          10           /* No child processes */
#define TARGET_EDEADLK         11           /* Resource deadlock avoided */
                        /* 11 was EAGAIN */
#define TARGET_ENOMEM          12           /* Cannot allocate memory */
#define TARGET_EACCES
        13          /* Permission denied */
#define TARGET_EFAULT          14           /* Bad address */
#define TARGET_ENOTBLK         15           /* Block device required */
#define TARGET_EBUSY           16           /* Device busy */
#define TARGET_EEXIST          17           /* File exists */
#define TARGET_EXDEV           18           /* Cross-device link */
#define TARGET_ENODEV          19           /* Operation not supported by device */
#define TARGET_ENOTDIR         20           /* Not a directory */
#define TARGET_EISDIR          21           /* Is a directory */
#define TARGET_EINVAL          22           /* Invalid argument */
#define TARGET_ENFILE          23           /* Too many open files in system */
#define TARGET_EMFILE          24           /* Too many open files */
#define TARGET_ENOTTY          25           /* Inappropriate ioctl for device */
#define TARGET_ETXTBSY         26           /* Text file
 busy */
#define TARGET_EFBIG           27           /* File too large */
#define TARGET_ENOSPC          28           /* No space left on device */
#define TARGET_ESPIPE          29           /* Illegal seek */
#define TARGET_EROFS           30           /* Read-only file system */
#define TARGET_EMLINK          31           /* Too many links */
```

```
#define TARGET_EPIPE            32              /* Broken pipe */

/* math software */
#define TARGET_EDOM             33              /* Numerical argument out of domain */
#define TARGET_ERANGE           34              /* Result too large */

/* non-blocking and interrupt i/o */
#define TARGET_EAGAIN           35              /* Resource temporarily unavailable */
#define TARGET_EWOULDBLOCK      EAGAIN          /* Operation would block */
#define TARGET_EINPROGRESS      36              /* Operation now in progress */
#define TARGET_EALREADY 37              /* Operation already in progress */

/* ipc/network software -- argument
 errors */
#define TARGET_ENOTSOCK 38              /* Socket operation on non-socket */
#define TARGET_EDESTADDRREQ     39              /* Destination address required */
#define TARGET_EMSGSIZE 40              /* Message too long */
#define TARGET_EPROTOTYPE       41              /* Protocol wrong type for socket */
#define TARGET_ENOPROTOOPT      42              /* Protocol not available */
#define TARGET_EPROTONOSUPPORT  43              /* Protocol not supported */
#define TARGET_ESOCKTNOSUPPORT  44              /* Socket type not supported */
#define TARGET_EOPNOTSUPP       45              /* Operation not supported */
#define TARGET_EPFNOSUPPORT     46              /* Protocol family not supported */
#define TARGET_EAFNOSUPPORT     47              /* Address family not supported by protocol family */
#define TARGET_EADDRINUSE       48              /* Address already in use */
#define TARGET_EADDRNOTAVAIL    49              /* Can't assign requested address */

/* ipc/network
 software -- operational errors */
#define TARGET_ENETDOWN 50              /* Network is down */
#define TARGET_ENETUNREACH      51              /* Network is unreachable */
#define TARGET_ENETRESET        52              /* Network dropped connection on reset */
#define TARGET_ECONNABORTED     53              /* Software caused connection abort */
#define TARGET_ECONNRESET       54              /* Connection reset by peer */
#define TARGET_ENOBUFS          55              /* No buffer space available */
#define TARGET_EISCONN          56              /* Socket is already connected */
#define TARGET_ENOTCONN 57              /* Socket is not connected */
#define TARGET_ESHUTDOWN        58              /* Can't send after socket shutdown */
#define TARGET_ETOOMANYREFS     59              /* Too many references: can't splice */
#define TARGET_ETIMEDOUT        60              /* Operation timed out */
#define TARGET_ECONNREFUSED     61              /* Connection refused */

#define TARGET_ELOOP
            62              /* Too many levels of symbolic links */
#define TARGET_ENAMETOOLONG     63              /* File name too long */

/* should be rearranged */
#define TARGET_EHOSTDOWN        64              /* Host is down */
```

```
#define TARGET_EHOSTUNREACH     65              /* No route to host */
#define TARGET_ENOTEMPTY        66              /* Directory not empty */

/* quotas & mush */
#define TARGET_EPROCLIM 67              /* Too many processes */
#define TARGET_EUSERS           68              /* Too many users */
#define TARGET_EDQUOT           69              /* Disk quota exceeded */

/* Network File System */
#define TARGET_ESTALE           70              /* Stale NFS file handle */
#define TARGET_EREMOTE          71              /* Too many levels of remote in path */
#define TARGET_EBADRPC          72              /* RPC struct is bad */
#define TARGET_ERPCMISMATCH     73              /* RPC version wrong */
#define TARGET_EPROGUNAVAIL     74              /*
 RPC prog. not avail */
#define TARGET_EPROGMISMATCH    75              /* Program version wrong */
#define TARGET_EPROCUNAVAIL     76              /* Bad procedure for program */

#define TARGET_ENOLCK           77              /* No locks available */
#define TARGET_ENOSYS           78              /* Function not implemented */

#define TARGET_EFTYPE           79              /* Inappropriate file type or format */
#define TARGET_EAUTH            80              /* Authentication error */
#define TARGET_ENEEDAUTH        81              /* Need authenticator */
#define TARGET_EIPSEC           82              /* IPsec processing failure */
#define TARGET_ENOATTR          83              /* Attribute not found */
#define TARGET_EILSEQ           84              /* Illegal byte sequence */
#define TARGET_ENOMEDIUM        85              /* No medium found */
#define TARGET_EMEDIUMTYPE      86              /* Wrong Medium Type */
#define TARGET_EOVERFLOW        87              /* Conversion
 overflow */
#define TARGET_ECANCELED        88              /* Operation canceled */
#define TARGET_EIDRM            89              /* Identifier removed */
#define TARGET_ENOMSG           90              /* No message of desired type */
#define TARGET_ELAST            90              /* Must be equal largest errno */

/* Internal errors: */
#define TARGET_EJUSTRETURN      254             /* Just return without modifing regs */
#define TARGET_ERESTART         255             /* Restart syscall */
#define TARGET_ERESTARTSYS      TARGET_ERESTART /* Linux compat */

#endif /* !  _ERRNO_DEFS_H_ */
/* XXX OpenBSD dependent strace print functions */
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Hoang-Vu Dang <dang.hvu@gmail.com>

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John R. Hauser
2018 January 20

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```
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*  mips64 sysarch() system call emulation
*
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*/

#ifndef BSD_USER_ARCH_SYSARCH_H_
#define BSD_USER_ARCH_SYSARCH_H_

#include "target_syscall.h"
#include "target_arch.h"

static inline abi_long do_freebsd_arch_sysarch(CPUMIPSState *env, int op,
    abi_ulong parms)
```

```
{
  int ret = 0;

  switch (op)
 {
  case TARGET_MIPS_SET_TLS:
     target_cpu_set_tls(env, parms);
     break;

  case TARGET_MIPS_GET_TLS:
     if (put_user(target_cpu_get_tls(env), parms, abi_ulong)) {
        ret = -TARGET_EFAULT;
     }
     break;

  default:
     ret = -TARGET_EINVAL;
     break;
  }

  return ret;
}

static inline void do_freebsd_arch_print_sysarch(
     const struct syscallname *name, abi_long arg1, abi_long arg2,
     abi_long arg3, abi_long arg4, abi_long arg5, abi_long arg6)
{

  switch (arg1) {
  case TARGET_MIPS_SET_TLS:
     gemu_log("%s(SET_TLS, 0x" TARGET_ABI_FMT_lx ")", name->name, arg2);
     break;

  case TARGET_MIPS_GET_TLS:
     gemu_log("%s(GET_TLS, 0x" TARGET_ABI_FMT_lx ")", name->name, arg2);
     break;

  default:
     gemu_log("UNKNOWN OP: %d, " TARGET_ABI_FMT_lx ")", (int)arg1, arg2);
  }
}

#endif /*!BSD_USER_ARCH_SYSARCH_H_ */
```

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```
/*
* System call numbers.
*
* DO NOT EDIT-- this file is automatically @generated.
* $FreeBSD$
*/

#define TARGET_FREEBSD_NR_syscall       0
#define TARGET_FREEBSD_NR_exit  1
#define TARGET_FREEBSD_NR_fork  2
#define TARGET_FREEBSD_NR_read  3
#define TARGET_FREEBSD_NR_write 4
#define TARGET_FREEBSD_NR_open  5
#define TARGET_FREEBSD_NR_close 6
#define TARGET_FREEBSD_NR_wait4 7
                        /* 8 is old creat */
#define TARGET_FREEBSD_NR_link  9
#define TARGET_FREEBSD_NR_unlink        10
                        /* 11 is obsolete execv */
#define TARGET_FREEBSD_NR_chdir 12
#define TARGET_FREEBSD_NR_fchdir        13
#define TARGET_FREEBSD_NR_freebsd11_mknod       14
#define TARGET_FREEBSD_NR_chmod 15
#define TARGET_FREEBSD_NR_chown 16
#define TARGET_FREEBSD_NR_break 17
                        /* 18 is freebsd4 getfsstat */
                        /* 19 is old lseek */
#define TARGET_FREEBSD_NR_getpid        20
#define TARGET_FREEBSD_NR_mount 21
#define
 TARGET_FREEBSD_NR_unmount       22
#define TARGET_FREEBSD_NR_setuid        23
#define TARGET_FREEBSD_NR_getuid        24
#define TARGET_FREEBSD_NR_geteuid       25
#define TARGET_FREEBSD_NR_ptrace        26
```

```
#define TARGET_FREEBSD_NR_recvmsg       27
#define TARGET_FREEBSD_NR_sendmsg       28
#define TARGET_FREEBSD_NR_recvfrom      29
#define TARGET_FREEBSD_NR_accept        30
#define TARGET_FREEBSD_NR_getpeername   31
#define TARGET_FREEBSD_NR_getsockname   32
#define TARGET_FREEBSD_NR_access        33
#define TARGET_FREEBSD_NR_chflags       34
#define TARGET_FREEBSD_NR_fchflags      35
#define TARGET_FREEBSD_NR_sync  36
#define TARGET_FREEBSD_NR_kill  37
                        /* 38 is old stat */
#define TARGET_FREEBSD_NR_getppid       39
                        /* 40 is old lstat */
#define TARGET_FREEBSD_NR_dup   41
#define TARGET_FREEBSD_NR_freebsd10_pipe        42
#define TARGET_FREEBSD_NR_getegid       43
#define TARGET_FREEBSD_NR_profil        44
#define
 TARGET_FREEBSD_NR_ktrace        45
                        /* 46 is old sigaction */
#define TARGET_FREEBSD_NR_getgid        47
                        /* 48 is old sigprocmask */
#define TARGET_FREEBSD_NR_getlogin      49
#define TARGET_FREEBSD_NR_setlogin      50
#define TARGET_FREEBSD_NR_acct  51
                        /* 52 is old sigpending */
#define TARGET_FREEBSD_NR_sigaltstack   53
#define TARGET_FREEBSD_NR_ioctl 54
#define TARGET_FREEBSD_NR_reboot        55
#define TARGET_FREEBSD_NR_revoke        56
#define TARGET_FREEBSD_NR_symlink       57
#define TARGET_FREEBSD_NR_readlink      58
#define TARGET_FREEBSD_NR_execve        59
#define TARGET_FREEBSD_NR_umask 60
#define TARGET_FREEBSD_NR_chroot        61
                        /* 62 is old fstat */
                        /* 63 is old getkerninfo */
                        /* 64 is old getpagesize */
#define TARGET_FREEBSD_NR_msync 65
#define TARGET_FREEBSD_NR_vfork 66

                    /* 67 is obsolete vread */
                        /* 68 is obsolete vwrite */
#define TARGET_FREEBSD_NR_sbrk  69
#define TARGET_FREEBSD_NR_sstk  70
                        /* 71 is old mmap */
#define TARGET_FREEBSD_NR_freebsd11_vadvise     72
```

```
#define TARGET_FREEBSD_NR_munmap        73
#define TARGET_FREEBSD_NR_mprotect      74
#define TARGET_FREEBSD_NR_madvise       75
                        /* 76 is obsolete vhangup */
                        /* 77 is obsolete vlimit */
#define TARGET_FREEBSD_NR_mincore       78
#define TARGET_FREEBSD_NR_getgroups     79
#define TARGET_FREEBSD_NR_setgroups     80
#define TARGET_FREEBSD_NR_getpgrp       81
#define TARGET_FREEBSD_NR_setpgid       82
#define TARGET_FREEBSD_NR_setitimer     83
                        /* 84 is old wait */
#define TARGET_FREEBSD_NR_swapon        85
#define TARGET_FREEBSD_NR_getitimer     86
                        /* 87 is old gethostname */

                    /* 88 is old sethostname */
#define TARGET_FREEBSD_NR_getdtablesize 89
#define TARGET_FREEBSD_NR_dup2  90
#define TARGET_FREEBSD_NR_fcntl 92
#define TARGET_FREEBSD_NR_select        93
#define TARGET_FREEBSD_NR_fsync 95
#define TARGET_FREEBSD_NR_setpriority   96
#define TARGET_FREEBSD_NR_socket        97
#define TARGET_FREEBSD_NR_connect       98
                        /* 99 is old accept */
#define TARGET_FREEBSD_NR_getpriority   100
                        /* 101 is old send */
                        /* 102 is old recv */
                        /* 103 is old sigreturn */
#define TARGET_FREEBSD_NR_bind  104
#define TARGET_FREEBSD_NR_setsockopt    105
#define TARGET_FREEBSD_NR_listen        106
                        /* 107 is obsolete vtimes */
                        /* 108 is old sigvec */
                        /* 109 is old sigblock */
                        /* 110 is old sigsetmask */
                         /* 111 is old sigsuspend */
                        /* 112 is old sigstack */
                        /* 113 is old recvmsg */
                        /* 114 is old sendmsg */
                        /* 115 is obsolete vtrace */
#define TARGET_FREEBSD_NR_gettimeofday  116
#define TARGET_FREEBSD_NR_getrusage     117
#define TARGET_FREEBSD_NR_getsockopt    118
#define TARGET_FREEBSD_NR_readv 120
#define TARGET_FREEBSD_NR_writev        121
#define TARGET_FREEBSD_NR_settimeofday  122
```

```
#define TARGET_FREEBSD_NR_fchown        123
#define TARGET_FREEBSD_NR_fchmod        124
                        /* 125 is old recvfrom */
#define TARGET_FREEBSD_NR_setreuid      126
#define TARGET_FREEBSD_NR_setregid      127
#define TARGET_FREEBSD_NR_rename        128
                        /* 129 is old truncate */
                        /* 130 is old ftruncate */
#define TARGET_FREEBSD_NR_flock 131
#define TARGET_FREEBSD_NR_mkfifo
    132
#define TARGET_FREEBSD_NR_sendto        133
#define TARGET_FREEBSD_NR_shutdown      134
#define TARGET_FREEBSD_NR_socketpair    135
#define TARGET_FREEBSD_NR_mkdir 136
#define TARGET_FREEBSD_NR_rmdir 137
#define TARGET_FREEBSD_NR_utimes        138
                        /* 139 is obsolete 4.2 sigreturn */
#define TARGET_FREEBSD_NR_adjtime       140
                        /* 141 is old getpeername */
                        /* 142 is old gethostid */
                        /* 143 is old sethostid */
                        /* 144 is old getrlimit */
                        /* 145 is old setrlimit */
                        /* 146 is old killpg */
#define TARGET_FREEBSD_NR_setsid        147
#define TARGET_FREEBSD_NR_quotactl      148
                        /* 149 is old quota */
                        /* 150 is old getsockname */
#define TARGET_FREEBSD_NR_nlm_syscall   154
#define TARGET_FREEBSD_NR_nfssvc
    155
                        /* 156 is old getdirentries */
                        /* 157 is freebsd4 statfs */
                        /* 158 is freebsd4 fstatfs */
#define TARGET_FREEBSD_NR_lgetfh        160
#define TARGET_FREEBSD_NR_getfh 161
                        /* 162 is freebsd4 getdomainname */
                        /* 163 is freebsd4 setdomainname */
                        /* 164 is freebsd4 uname */
#define TARGET_FREEBSD_NR_sysarch       165
#define TARGET_FREEBSD_NR_rtprio        166
#define TARGET_FREEBSD_NR_semsys        169
#define TARGET_FREEBSD_NR_msgsys        170
#define TARGET_FREEBSD_NR_shmsys        171
                        /* 173 is freebsd6 pread */
                        /* 174 is freebsd6 pwrite */
#define TARGET_FREEBSD_NR_setfib        175
```

```
#define TARGET_FREEBSD_NR_ntp_adjtime   176
#define TARGET_FREEBSD_NR_setgid        181
#define TARGET_FREEBSD_NR_setegid
   182
#define TARGET_FREEBSD_NR_seteuid       183
                        /* 184 is obsolete lfs_bmapv */
                        /* 185 is obsolete lfs_markv */
                        /* 186 is obsolete lfs_segclean */
                        /* 187 is obsolete lfs_segwait */
#define TARGET_FREEBSD_NR_freebsd11_stat        188
#define TARGET_FREEBSD_NR_freebsd11_fstat       189
#define TARGET_FREEBSD_NR_freebsd11_lstat       190
#define TARGET_FREEBSD_NR_pathconf      191
#define TARGET_FREEBSD_NR_fpathconf     192
#define TARGET_FREEBSD_NR_getrlimit     194
#define TARGET_FREEBSD_NR_setrlimit     195
#define TARGET_FREEBSD_NR_freebsd11_getdirentries       196
                        /* 197 is freebsd6 mmap */
#define TARGET_FREEBSD_NR___syscall     198
                        /* 199 is freebsd6 lseek */
                        /* 200 is freebsd6 truncate */
                        /* 201 is freebsd6 ftruncate */
#define
 TARGET_FREEBSD_NR___sysctl      202
#define TARGET_FREEBSD_NR_mlock 203
#define TARGET_FREEBSD_NR_munlock       204
#define TARGET_FREEBSD_NR_undelete      205
#define TARGET_FREEBSD_NR_futimes       206
#define TARGET_FREEBSD_NR_getpgid       207
#define TARGET_FREEBSD_NR_poll  209
#define TARGET_FREEBSD_NR_freebsd7___semctl     220
#define TARGET_FREEBSD_NR_semget        221
#define TARGET_FREEBSD_NR_semop 222
                        /* 223 is obsolete semconfig */
#define TARGET_FREEBSD_NR_freebsd7_msgctl       224
#define TARGET_FREEBSD_NR_msgget        225
#define TARGET_FREEBSD_NR_msgsnd        226
#define TARGET_FREEBSD_NR_msgrcv        227
#define TARGET_FREEBSD_NR_shmat 228
#define TARGET_FREEBSD_NR_freebsd7_shmctl       229
#define TARGET_FREEBSD_NR_shmdt 230
#define TARGET_FREEBSD_NR_shmget        231
#define TARGET_FREEBSD_NR_clock_gettime 232
#define TARGET_FREEBSD_NR_clock_settime 233
#define TARGET_FREEBSD_NR_clock_getres  234
#define TARGET_FREEBSD_NR_ktimer_create
 235
#define TARGET_FREEBSD_NR_ktimer_delete 236
```

```
#define TARGET_FREEBSD_NR_ktimer_settime        237
#define TARGET_FREEBSD_NR_ktimer_gettime        238
#define TARGET_FREEBSD_NR_ktimer_getoverrun     239
#define TARGET_FREEBSD_NR_nanosleep     240
#define TARGET_FREEBSD_NR_ffclock_getcounter    241
#define TARGET_FREEBSD_NR_ffclock_setestimate   242
#define TARGET_FREEBSD_NR_ffclock_getestimate   243
#define TARGET_FREEBSD_NR_clock_nanosleep       244
#define TARGET_FREEBSD_NR_clock_getcpuclockid2  247
#define TARGET_FREEBSD_NR_ntp_gettime   248
#define TARGET_FREEBSD_NR_minherit      250
#define TARGET_FREEBSD_NR_rfork 251
                        /* 252 is obsolete openbsd_poll */
#define TARGET_FREEBSD_NR_issetugid     253
#define TARGET_FREEBSD_NR_lchown        254
#define TARGET_FREEBSD_NR_aio_read      255
#define TARGET_FREEBSD_NR_aio_write     256
#define TARGET_FREEBSD_NR_lio_listio    257
#define TARGET_FREEBSD_NR_freebsd11_getdents    272
#define TARGET_FREEBSD_NR_lchmod
      274
                        /* 275 is obsolete netbsd_lchown */
#define TARGET_FREEBSD_NR_lutimes       276
                        /* 277 is obsolete netbsd_msync */
#define TARGET_FREEBSD_NR_freebsd11_nstat       278
#define TARGET_FREEBSD_NR_freebsd11_nfstat      279
#define TARGET_FREEBSD_NR_freebsd11_nlstat      280
#define TARGET_FREEBSD_NR_preadv        289
#define TARGET_FREEBSD_NR_pwritev       290
                        /* 297 is freebsd4 fhstatfs */
#define TARGET_FREEBSD_NR_fhopen        298
#define TARGET_FREEBSD_NR_freebsd11_fhstat      299
#define TARGET_FREEBSD_NR_modnext       300
#define TARGET_FREEBSD_NR_modstat       301
#define TARGET_FREEBSD_NR_modfnext      302
#define TARGET_FREEBSD_NR_modfind       303
#define TARGET_FREEBSD_NR_kldload       304
#define TARGET_FREEBSD_NR_kldunload     305
#define TARGET_FREEBSD_NR_kldfind       306
#define TARGET_FREEBSD_NR_kldnext       307
#define TARGET_FREEBSD_NR_kldstat       308
#define
 TARGET_FREEBSD_NR_kldfirstmod   309
#define TARGET_FREEBSD_NR_getsid        310
#define TARGET_FREEBSD_NR_setresuid     311
#define TARGET_FREEBSD_NR_setresgid     312
                        /* 313 is obsolete signanosleep */
#define TARGET_FREEBSD_NR_aio_return    314
```

```
#define TARGET_FREEBSD_NR_aio_suspend   315
#define TARGET_FREEBSD_NR_aio_cancel    316
#define TARGET_FREEBSD_NR_aio_error     317
                        /* 318 is freebsd6 aio_read */
                        /* 319 is freebsd6 aio_write */
                        /* 320 is freebsd6 lio_listio */
#define TARGET_FREEBSD_NR_yield 321
                        /* 322 is obsolete thr_sleep */
                        /* 323 is obsolete thr_wakeup */
#define TARGET_FREEBSD_NR_mlockall      324
#define TARGET_FREEBSD_NR_munlockall    325
#define TARGET_FREEBSD_NR___getcwd      326
#define TARGET_FREEBSD_NR_sched_setparam        327
#define TARGET_FREEBSD_NR_sched_getparam
    328
#define TARGET_FREEBSD_NR_sched_setscheduler    329
#define TARGET_FREEBSD_NR_sched_getscheduler    330
#define TARGET_FREEBSD_NR_sched_yield   331
#define TARGET_FREEBSD_NR_sched_get_priority_max        332
#define TARGET_FREEBSD_NR_sched_get_priority_min        333
#define TARGET_FREEBSD_NR_sched_rr_get_interval 334
#define TARGET_FREEBSD_NR_utrace        335
                        /* 336 is freebsd4 sendfile */
#define TARGET_FREEBSD_NR_kldsym        337
#define TARGET_FREEBSD_NR_jail  338
#define TARGET_FREEBSD_NR_nnpfs_syscall 339
#define TARGET_FREEBSD_NR_sigprocmask   340
#define TARGET_FREEBSD_NR_sigsuspend    341
                        /* 342 is freebsd4 sigaction */
#define TARGET_FREEBSD_NR_sigpending    343
                        /* 344 is freebsd4 sigreturn */
#define TARGET_FREEBSD_NR_sigtimedwait  345
#define TARGET_FREEBSD_NR_sigwaitinfo   346
#define TARGET_FREEBSD_NR___acl_get_file        347
#define TARGET_FREEBSD_NR___acl_set_file
    348
#define TARGET_FREEBSD_NR___acl_get_fd  349
#define TARGET_FREEBSD_NR___acl_set_fd  350
#define TARGET_FREEBSD_NR___acl_delete_file     351
#define TARGET_FREEBSD_NR___acl_delete_fd       352
#define TARGET_FREEBSD_NR___acl_aclcheck_file   353
#define TARGET_FREEBSD_NR___acl_aclcheck_fd     354
#define TARGET_FREEBSD_NR_extattrctl    355
#define TARGET_FREEBSD_NR_extattr_set_file      356
#define TARGET_FREEBSD_NR_extattr_get_file      357
#define TARGET_FREEBSD_NR_extattr_delete_file   358
#define TARGET_FREEBSD_NR_aio_waitcomplete      359
#define TARGET_FREEBSD_NR_getresuid     360
```

```
#define TARGET_FREEBSD_NR_getresgid     361
#define TARGET_FREEBSD_NR_kqueue        362
#define TARGET_FREEBSD_NR_freebsd11_kevent      363
                        /* 364 is obsolete __cap_get_proc */
                        /* 365 is obsolete __cap_set_proc */
                        /* 366 is obsolete __cap_get_fd */
                        /* 367 is obsolete
 __cap_get_file */
                        /* 368 is obsolete __cap_set_fd */
                        /* 369 is obsolete __cap_set_file */
#define TARGET_FREEBSD_NR_extattr_set_fd        371
#define TARGET_FREEBSD_NR_extattr_get_fd        372
#define TARGET_FREEBSD_NR_extattr_delete_fd     373
#define TARGET_FREEBSD_NR___setugid     374
                        /* 375 is obsolete nfsclnt */
#define TARGET_FREEBSD_NR_eaccess       376
#define TARGET_FREEBSD_NR_afs3_syscall  377
#define TARGET_FREEBSD_NR_nmount        378
                        /* 379 is obsolete kse_exit */
                        /* 380 is obsolete kse_wakeup */
                        /* 381 is obsolete kse_create */
                        /* 382 is obsolete kse_thr_interrupt */
                        /* 383 is obsolete kse_release */
#define TARGET_FREEBSD_NR___mac_get_proc        384
#define TARGET_FREEBSD_NR___mac_set_proc        385
#define TARGET_FREEBSD_NR___mac_get_fd
 386
#define TARGET_FREEBSD_NR___mac_get_file        387
#define TARGET_FREEBSD_NR___mac_set_fd  388
#define TARGET_FREEBSD_NR___mac_set_file        389
#define TARGET_FREEBSD_NR_kenv  390
#define TARGET_FREEBSD_NR_lchflags      391
#define TARGET_FREEBSD_NR_uuidgen       392
#define TARGET_FREEBSD_NR_sendfile      393
#define TARGET_FREEBSD_NR_mac_syscall   394
#define TARGET_FREEBSD_NR_freebsd11_getfsstat   395
#define TARGET_FREEBSD_NR_freebsd11_statfs      396
#define TARGET_FREEBSD_NR_freebsd11_fstatfs     397
#define TARGET_FREEBSD_NR_freebsd11_fhstatfs    398
#define TARGET_FREEBSD_NR_ksem_close    400
#define TARGET_FREEBSD_NR_ksem_post     401
#define TARGET_FREEBSD_NR_ksem_wait     402
#define TARGET_FREEBSD_NR_ksem_trywait  403
#define TARGET_FREEBSD_NR_ksem_init     404
#define TARGET_FREEBSD_NR_ksem_open     405
#define TARGET_FREEBSD_NR_ksem_unlink   406
#define TARGET_FREEBSD_NR_ksem_getvalue 407
#define TARGET_FREEBSD_NR_ksem_destroy  408
```

```
#define
 TARGET_FREEBSD_NR___mac_get_pid 409
#define TARGET_FREEBSD_NR___mac_get_link        410
#define TARGET_FREEBSD_NR___mac_set_link        411
#define TARGET_FREEBSD_NR_extattr_set_link      412
#define TARGET_FREEBSD_NR_extattr_get_link      413
#define TARGET_FREEBSD_NR_extattr_delete_link   414
#define TARGET_FREEBSD_NR___mac_execve  415
#define TARGET_FREEBSD_NR_sigaction     416
#define TARGET_FREEBSD_NR_sigreturn     417
#define TARGET_FREEBSD_NR_getcontext    421
#define TARGET_FREEBSD_NR_setcontext    422
#define TARGET_FREEBSD_NR_swapcontext   423
#define TARGET_FREEBSD_NR_swapoff       424
#define TARGET_FREEBSD_NR___acl_get_link        425
#define TARGET_FREEBSD_NR___acl_set_link        426
#define TARGET_FREEBSD_NR___acl_delete_link     427
#define TARGET_FREEBSD_NR___acl_aclcheck_link   428
#define TARGET_FREEBSD_NR_sigwait       429
#define TARGET_FREEBSD_NR_thr_create    430
#define TARGET_FREEBSD_NR_thr_exit      431
#define TARGET_FREEBSD_NR_thr_self      432
#define TARGET_FREEBSD_NR_thr_kill
    433
#define TARGET_FREEBSD_NR_jail_attach   436
#define TARGET_FREEBSD_NR_extattr_list_fd       437
#define TARGET_FREEBSD_NR_extattr_list_file     438
#define TARGET_FREEBSD_NR_extattr_list_link     439
                        /* 440 is obsolete kse_switchin */
#define TARGET_FREEBSD_NR_ksem_timedwait        441
#define TARGET_FREEBSD_NR_thr_suspend   442
#define TARGET_FREEBSD_NR_thr_wake      443
#define TARGET_FREEBSD_NR_kldunloadf    444
#define TARGET_FREEBSD_NR_audit 445
#define TARGET_FREEBSD_NR_auditon       446
#define TARGET_FREEBSD_NR_getauid       447
#define TARGET_FREEBSD_NR_setauid       448
#define TARGET_FREEBSD_NR_getaudit      449
#define TARGET_FREEBSD_NR_setaudit      450
#define TARGET_FREEBSD_NR_getaudit_addr 451
#define TARGET_FREEBSD_NR_setaudit_addr 452
#define TARGET_FREEBSD_NR_auditctl      453
#define TARGET_FREEBSD_NR__umtx_op      454
#define TARGET_FREEBSD_NR_thr_new       455
#define TARGET_FREEBSD_NR_sigqueue
 456
#define TARGET_FREEBSD_NR_kmq_open      457
#define TARGET_FREEBSD_NR_kmq_setattr   458
```

```
#define TARGET_FREEBSD_NR_kmq_timedreceive      459
#define TARGET_FREEBSD_NR_kmq_timedsend 460
#define TARGET_FREEBSD_NR_kmq_notify    461
#define TARGET_FREEBSD_NR_kmq_unlink    462
#define TARGET_FREEBSD_NR_abort2        463
#define TARGET_FREEBSD_NR_thr_set_name  464
#define TARGET_FREEBSD_NR_aio_fsync     465
#define TARGET_FREEBSD_NR_rtprio_thread 466
#define TARGET_FREEBSD_NR_sctp_peeloff  471
#define TARGET_FREEBSD_NR_sctp_generic_sendmsg  472
#define TARGET_FREEBSD_NR_sctp_generic_sendmsg_iov      473
#define TARGET_FREEBSD_NR_sctp_generic_recvmsg  474
#define TARGET_FREEBSD_NR_pread 475
#define TARGET_FREEBSD_NR_pwrite        476
#define TARGET_FREEBSD_NR_mmap  477
#define TARGET_FREEBSD_NR_lseek 478
#define TARGET_FREEBSD_NR_truncate      479
#define TARGET_FREEBSD_NR_ftruncate     480
#define TARGET_FREEBSD_NR_thr_kill2     481
#define TARGET_FREEBSD_NR_freebsd12_shm_open    482
#define
 TARGET_FREEBSD_NR_shm_unlink    483
#define TARGET_FREEBSD_NR_cpuset        484
#define TARGET_FREEBSD_NR_cpuset_setid  485
#define TARGET_FREEBSD_NR_cpuset_getid  486
#define TARGET_FREEBSD_NR_cpuset_getaffinity    487
#define TARGET_FREEBSD_NR_cpuset_setaffinity    488
#define TARGET_FREEBSD_NR_faccessat     489
#define TARGET_FREEBSD_NR_fchmodat      490
#define TARGET_FREEBSD_NR_fchownat      491
#define TARGET_FREEBSD_NR_fexecve       492
#define TARGET_FREEBSD_NR_freebsd11_fstatat     493
#define TARGET_FREEBSD_NR_futimesat     494
#define TARGET_FREEBSD_NR_linkat        495
#define TARGET_FREEBSD_NR_mkdirat       496
#define TARGET_FREEBSD_NR_mkfifoat      497
#define TARGET_FREEBSD_NR_freebsd11_mknodat     498
#define TARGET_FREEBSD_NR_openat        499
#define TARGET_FREEBSD_NR_readlinkat    500
#define TARGET_FREEBSD_NR_renameat      501
#define TARGET_FREEBSD_NR_symlinkat     502
#define TARGET_FREEBSD_NR_unlinkat      503
#define TARGET_FREEBSD_NR_posix_openpt  504
#define
 TARGET_FREEBSD_NR_gssd_syscall  505
#define TARGET_FREEBSD_NR_jail_get      506
#define TARGET_FREEBSD_NR_jail_set      507
#define TARGET_FREEBSD_NR_jail_remove   508
```

```
#define TARGET_FREEBSD_NR_freebsd12_closefrom   509
#define TARGET_FREEBSD_NR___semctl      510
#define TARGET_FREEBSD_NR_msgctl        511
#define TARGET_FREEBSD_NR_shmctl        512
#define TARGET_FREEBSD_NR_lpathconf     513
                        /* 514 is obsolete cap_new */
#define TARGET_FREEBSD_NR___cap_rights_get      515
#define TARGET_FREEBSD_NR_cap_enter     516
#define TARGET_FREEBSD_NR_cap_getmode   517
#define TARGET_FREEBSD_NR_pdfork        518
#define TARGET_FREEBSD_NR_pdkill        519
#define TARGET_FREEBSD_NR_pdgetpid      520
#define TARGET_FREEBSD_NR_pselect       522
#define TARGET_FREEBSD_NR_getloginclass 523
#define TARGET_FREEBSD_NR_setloginclass 524
#define TARGET_FREEBSD_NR_rctl_get_racct        525
#define TARGET_FREEBSD_NR_rctl_get_rules        526
#define TARGET_FREEBSD_NR_rctl_get_limits
    527
#define TARGET_FREEBSD_NR_rctl_add_rule 528
#define TARGET_FREEBSD_NR_rctl_remove_rule      529
#define TARGET_FREEBSD_NR_posix_fallocate       530
#define TARGET_FREEBSD_NR_posix_fadvise 531
#define TARGET_FREEBSD_NR_wait6 532
#define TARGET_FREEBSD_NR_cap_rights_limit      533
#define TARGET_FREEBSD_NR_cap_ioctls_limit      534
#define TARGET_FREEBSD_NR_cap_ioctls_get        535
#define TARGET_FREEBSD_NR_cap_fcntls_limit      536
#define TARGET_FREEBSD_NR_cap_fcntls_get        537
#define TARGET_FREEBSD_NR_bindat        538
#define TARGET_FREEBSD_NR_connectat     539
#define TARGET_FREEBSD_NR_chflagsat     540
#define TARGET_FREEBSD_NR_accept4       541
#define TARGET_FREEBSD_NR_pipe2 542
#define TARGET_FREEBSD_NR_aio_mlock     543
#define TARGET_FREEBSD_NR_procctl       544
#define TARGET_FREEBSD_NR_ppoll 545
#define TARGET_FREEBSD_NR_futimens      546
#define TARGET_FREEBSD_NR_utimensat     547
                        /* 548 is obsolete numa_getaffinity
 */
                        /* 549 is obsolete numa_setaffinity */
#define TARGET_FREEBSD_NR_fdatasync     550
#define TARGET_FREEBSD_NR_fstat 551
#define TARGET_FREEBSD_NR_fstatat       552
#define TARGET_FREEBSD_NR_fhstat        553
#define TARGET_FREEBSD_NR_getdirentries 554
#define TARGET_FREEBSD_NR_statfs        555
```

```
#define TARGET_FREEBSD_NR_fstatfs       556
#define TARGET_FREEBSD_NR_getfsstat     557
#define TARGET_FREEBSD_NR_fhstatfs      558
#define TARGET_FREEBSD_NR_mknodat       559
#define TARGET_FREEBSD_NR_kevent        560
#define TARGET_FREEBSD_NR_cpuset_getdomain      561
#define TARGET_FREEBSD_NR_cpuset_setdomain      562
#define TARGET_FREEBSD_NR_getrandom     563
#define TARGET_FREEBSD_NR_getfhat       564
#define TARGET_FREEBSD_NR_fhlink        565
#define TARGET_FREEBSD_NR_fhlinkat      566
#define TARGET_FREEBSD_NR_fhreadlink    567
#define TARGET_FREEBSD_NR_funlinkat     568
#define TARGET_FREEBSD_NR_copy_file_range       569
#define TARGET_FREEBSD_NR___sysctlbyname
      570
#define TARGET_FREEBSD_NR_shm_open2     571
#define TARGET_FREEBSD_NR_shm_rename    572
#define TARGET_FREEBSD_NR_sigfastblock  573
#define TARGET_FREEBSD_NR___realpathat  574
#define TARGET_FREEBSD_NR_close_range   575
#define TARGET_FREEBSD_NR_rpctls_syscall        576
#define TARGET_FREEBSD_NR_MAXSYSCALL    577
```

License-History.txt

==========

This file contains the history of license change and contributor's agreement changes.

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Key Dates

---

* August 3, 2017

Update the TianoCore Contribution Agreement from Version 1.0 to Version 1.1 to cover open source documentation associated with the TianoCore project.

Version 1.0 covers source code files. Version 1.1 is a backwards compatible extension that adds support for document files in both source form and compiled form.

References:

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Complete text of TianoCore Contribution Agreement 1.0 included below
Complete text of TianoCore Contribution Agreement 1.1 included below

Proposals (RFCs):
https://lists.01.org/pipermail/edk2-devel/2017-March/008654.html

TianoCore Bugzilla:
https://bugzilla.tianocore.org/show_bug.cgi?id=629

* April 9, 2019

Replace BSD 2-Clause License with BSD + Patent License removing the need for
the TianoCore Contribution Agreement.

References:
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Proposals (RFCs):
https://lists.01.org/pipermail/edk2-devel/2019-February/036260.html
https://lists.01.org/pipermail/edk2-devel/2019-March/037500.html

TianoCore Bugzilla:
https://bugzilla.tianocore.org/show_bug.cgi?id=1373

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Contributions.txt: TianoCore Contribution Agreement 1.1

==========
= Code Contributions =
==========

To make a contribution to a TianoCore project, follow these steps.

1. Create a change description in the format specified below to
use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature,
and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the
contribution is made under the terms of the specified
contribution agreement. Your "Contributed-under" message
must include the name of contribution agreement and version.
For example: Contributed-under: TianoCore Contribution Agreement 1.1
The "TianoCore Contribution Agreement" is included below in
this document.
4. Submit your code to the TianoCore project using the process
that the project documents on its web page. If the process is
not documented, then submit the code on development email list
for the project.
5. It is preferred that contributions are submitted using the same
copyright license as the base project. When
that is not possible,
then contributions using the following licenses can be accepted:
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Contributions using other licenses might be accepted, but further
review will be required.

```
=====================================================
= Change Description / Commit Message / Patch Email =
=====================================================

Your change description should use the standard format for a
commit message, and must include
your "Signed-off-by" signature
and the "Contributed-under" message.

== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>
Subject: [Repository/Branch PATCH] Module: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.1
Signed-off-by: Contributor Name <contributor@example.com>
---

An extra message for the patch email which will not be considered part
of the commit message can be added here.

Patch content inline or attached

=== End of sample patch email message ===

=== Notes for sample patch email ===

* The first line of commit message is taken from the email's subject
  line following [Repository/Branch PATCH]. The remaining portion of the
  commit message is the email's content until the '---' line.
* git format-patch is one way to create this format

=== Definitions
for sample patch email ===

* "Repository" is the identifier of the repository the patch applies.
```

This identifier should only be provided for repositories other than
'edk2'. For example 'edk2-BuildSpecification' or 'staging'.
* "Branch" is the identifier of the branch the patch applies. This
identifier should only be provided for branches other than 'edk2/master'.
For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or
'staging/edk2-test'.
* "Module" is a short identifier for the affected code or documentation. For
example 'MdePkg', 'MdeModulePkg/UsbBusDxe', 'Introduction', or
'EDK II INF File Format'.
* "Brief-single-line-summary" is a short summary of the change.
* The entire first line should be less than ~70 characters.
* "Full-commit-message" a verbose multiple line comment describing
the change. Each line should be less than ~70 characters.
* "Contributed-under" explicitly states that the
contribution is
made under the terms of the contribution agreement. This
agreement is included below in this document.
* "Signed-off-by" is the contributor's signature identifying them
by their real/legal name and their email address.

==========
= TianoCore Contribution Agreement 1.1 =
==========

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or given pursuant to this Agreement, and all documentation and
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Contributions.txt: TianoCore Contribution Agreement 1.0

==========
= Code Contributions =
==========

To make a contribution to a TianoCore project, follow these steps.
1. Create a change description in the format specified below to
use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature,
and "Contributed-under"
message.
3. Your "Contributed-under" message explicitly states that the
contribution is made under the terms of the specified
contribution agreement. Your "Contributed-under" message
must include the name of contribution agreement and version.
For example: Contributed-under: TianoCore Contribution Agreement 1.0
The "TianoCore Contribution Agreement" is included below in
this document.
4. Submit your code to the TianoCore project using the process
that the project documents on its web page. If the process is
not documented, then submit the code on development email list
for the project.
5. It is preferred that contributions are submitted using the same

copyright license as the base project. When that is not possible,
then contributions using the following licenses can be accepted:
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Contributions of code put into the public domain can also be
accepted.

Contributions using other licenses might be accepted, but further
review will be required.

```
=====================================================
= Change Description / Commit Message / Patch Email =
=====================================================

Your change description should use the standard format for a
commit message, and must include your "Signed-off-by" signature
and the "Contributed-under" message.

== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>
Subject: [PATCH] CodeModule: Brief-single-line-summary

Full-commit-message

Contributed-under:
TianoCore Contribution Agreement 1.0
Signed-off-by: Contributor Name <contributor@example.com>
---

An extra message for the patch email which will not be considered part
of the commit message can be added here.

Patch content inline or attached

=== End of sample patch email message ===

=== Notes for sample patch email ===

* The first line of commit message is taken from the email's subject
  line following [PATCH]. The remaining portion of the commit message
  is the email's content until the '---' line.
```

* git format-patch is one way to create this format

=== Definitions for sample patch email ===

* "CodeModule" is a short idenfier for the affected code. For
  example MdePkg, or MdeModulePkg UsbBusDxe.
* "Brief-single-line-summary" is a short summary of the change.
* The entire first line should be less than ~70 characters.
* "Full-commit-message" a verbose multiple line comment describing
  the change.
Each line should be less than ~70 characters.
* "Contributed-under" explicitely states that the contribution is
  made under the terms of the contribtion agreement. This
  agreement is included below in this document.
* "Signed-off-by" is the contributor's signature identifying them
  by their real/legal name and their email address.

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```
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    support to be provided, unless otherwise
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--------------------------------------------------------------------------------
/*
*  x86_64 thread support
*
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*
*  You should have received a copy of the GNU General Public License
*  along with this program; if not, see <http://www.gnu.org/licenses/>.
*/
#ifndef _TARGET_ARCH_THREAD_H_
#define _TARGET_ARCH_THREAD_H_

/* Compare to vm_machdep.c cpu_set_upcall_kse() */
static inline void target_thread_set_upcall(CPUX86State *regs, abi_ulong entry,
  abi_ulong arg, abi_ulong stack_base, abi_ulong stack_size)
{
  /* XXX
 */
}

static inline void target_thread_init(struct target_pt_regs *regs,
  struct image_info *infop)
{
  regs->rax = 0;
  regs->rsp = infop->start_stack;
```

```
  regs->rip = infop->entry;
  if (bsd_type == target_freebsd) {
      regs->rdi = infop->start_stack;
  }
}

#endif /* !_TARGET_ARCH_THREAD_H_ */
```

==> edk2/License.txt <==

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License-History.txt

==========

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Key Dates

---

* August 3, 2017

Update the TianoCore Contribution Agreement from Version 1.0
to Version 1.1 to cover open source documentation associated
with the TianoCore project.

Version 1.0 covers source code files. Version 1.1 is a
backwards compatible extension that adds support for document
files in both source form and compiled form.

References:

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Proposals (RFCs):

https://lists.01.org/pipermail/edk2-devel/2017-March/008654.html

TianoCore Bugzilla:
https://bugzilla.tianocore.org/show_bug.cgi?id=629

* April 9, 2019

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https://lists.01.org/pipermail/edk2-devel/2019-February/036260.html
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==========

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use in the source control commit log.

2. Your commit message must include your "Signed-off-by" signature,
and "Contributed-under" message.

3. Your "Contributed-under" message
explicitly states that the
contribution is made under the terms of the specified
contribution agreement. Your "Contributed-under" message
must include the name of contribution agreement and version.
For example: Contributed-under: TianoCore Contribution Agreement 1.1
The "TianoCore Contribution Agreement" is included below in
this document.

4. Submit your code to the TianoCore project using the process
that the project documents on its web page. If the process is
not documented, then submit the code on development email list
for the project.

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==========

= Change Description / Commit Message / Patch Email =
==========

Your change description should use the standard format for a
commit message, and must include your "Signed-off-by" signature
and the "Contributed-under" message.

== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>
Subject: [Repository/Branch
PATCH] Module: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.1
Signed-off-by: Contributor Name <contributor@example.com>

An extra message for the patch email which will not be considered part
of the commit message can be added here.

Patch content inline or attached

=== End of sample patch email message ===

=== Notes for sample patch email ===

* The first line of commit message is taken from the email's subject
  line following [Repository/Branch PATCH]. The remaining portion of the
  commit message is the email's content until the '---' line.
* git format-patch is one way to create this format

=== Definitions for sample patch email ===

* "Repository" is the identifier of the repository the patch applies.
  This identifier should only be provided for repositories other than
  'edk2'. For example 'edk2-BuildSpecification' or 'staging'.
* "Branch" is
the identifier of the branch the patch applies. This
  identifier should only be provided for branches other than 'edk2/master'.
  For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or
  'staging/edk2-test'.
* "Module" is a short identifier for the affected code or documentation. For
  example 'MdePkg', 'MdeModulePkg/UsbBusDxe', 'Introduction', or
  'EDK II INF File Format'.

* "Brief-single-line-summary" is a short summary of the change.
* The entire first line should be less than ~70 characters.
* "Full-commit-message" a verbose multiple line comment describing
  the change. Each line should be less than ~70 characters.
* "Contributed-under" explicitly states that the contribution is
  made under the terms of the contribution agreement. This
  agreement is included below in this document.
* "Signed-off-by" is the contributor's signature identifying them
  by their real/legal name and their email address.

==========
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use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature,
and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the
contribution is made under the terms of the specified
contribution agreement. Your "Contributed-under" message
must include the name of contribution
agreement and version.
For example: Contributed-under: TianoCore Contribution Agreement 1.0
The "TianoCore Contribution Agreement" is included below in
this document.
4. Submit your code to the TianoCore project using the process
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```
=====================================================
= Change Description / Commit Message / Patch Email =
=====================================================
```

Your change description should use the standard format for a
commit message, and must include your "Signed-off-by" signature
and the "Contributed-under" message.

== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

```
From: Contributor Name <contributor@example.com>
Subject: [PATCH] CodeModule: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.0
Signed-off-by: Contributor Name <contributor@example.com>
---

An extra message for the patch email which will not be considered part
of the commit message can be added here.

Patch content inline or
attached
```

=== End of sample patch email message ===

=== Notes for sample patch email ===

* The first line of commit message is taken from the email's subject
  line following [PATCH]. The remaining portion of the commit message
  is the email's content until the '---' line.
* git format-patch is one way to create this format

=== Definitions for sample patch email ===

* "CodeModule" is a short idenfier for the affected code. For
  example MdePkg, or MdeModulePkg UsbBusDxe.

* "Brief-single-line-summary" is a short summary of the change.
* The entire first line should be less than ~70 characters.
* "Full-commit-message" a verbose multiple line comment describing
  the change. Each line should be less than ~70 characters.
* "Contributed-under" explicitely states that the contribution is
  made under the terms of the contribtion agreement. This
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John R. Hauser
2018 January 20

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*  arm sysarch() system call emulation
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*/

#ifndef BSD_USER_ARCH_SYSARCH_H_
#define BSD_USER_ARCH_SYSARCH_H_

#include "target_syscall.h"
```

```
#include "target_arch.h"

static inline abi_long do_freebsd_arch_sysarch(CPUARMState *env, int op,
      abi_ulong parms)
{
  int ret = 0;

  switch (op)
 {
  case TARGET_FREEBSD_ARM_SYNC_ICACHE:
  case TARGET_FREEBSD_ARM_DRAIN_WRITEBUF:
     break;

  case TARGET_FREEBSD_ARM_SET_TP:
     target_cpu_set_tls(env, parms);
     break;

  case TARGET_FREEBSD_ARM_GET_TP:
     ret = target_cpu_get_tls(env);
     break;

  default:
     ret = -TARGET_EINVAL;
     break;
  }
  return ret;
}

static inline void do_freebsd_arch_print_sysarch(
      const struct syscallname *name, abi_long arg1, abi_long arg2,
      abi_long arg3, abi_long arg4, abi_long arg5, abi_long arg6)
{

  switch (arg1) {
  case TARGET_FREEBSD_ARM_SYNC_ICACHE:
     gemu_log("%s(ARM_SYNC_ICACHE, ...)", name->name);
     break;

  case TARGET_FREEBSD_ARM_DRAIN_WRITEBUF:
     gemu_log("%s(ARM_DRAIN_WRITEBUF, ...)", name->name);
     break;

  case TARGET_FREEBSD_ARM_SET_TP:
     gemu_log("%s(ARM_SET_TP, 0x" TARGET_ABI_FMT_lx ")", name->name, arg2);
     break;

  case TARGET_FREEBSD_ARM_GET_TP:
     gemu_log("%s(ARM_GET_TP,
```

```
 0x" TARGET_ABI_FMT_lx ")", name->name, arg2);
      break;

  default:
      gemu_log("UNKNOWN OP: %d, " TARGET_ABI_FMT_lx ")", (int)arg1, arg2);
  }
}

#endif /*!BSD_USER_ARCH_SYSARCH_H_ */
/*
*  FreeBSD i386 register structures
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*/

#ifndef _TARGET_ARCH_REG_H_
#define _TARGET_ARCH_REG_H_

/* See sys/i386/include/reg.h */
typedef struct target_reg {
  uint32_t      r_fs;
  uint32_t      r_es;
  uint32_t      r_ds;
  uint32_t      r_edi;
  uint32_t
      r_esi;
  uint32_t      r_ebp;
  uint32_t      r_isp;
  uint32_t      r_ebx;
  uint32_t      r_edx;
  uint32_t      r_ecx;
  uint32_t      r_eax;
  uint32_t      r_trapno;
  uint32_t      r_err;
```

```
  uint32_t        r_eip;
  uint32_t        r_cs;
  uint32_t        r_eflags;
  uint32_t        r_esp;
  uint32_t        r_ss;
  uint32_t        r_gs;
} target_reg_t;

typedef struct target_fpreg {
  uint32_t        fpr_env[7];
  uint8_t         fpr_acc[8][10];
  uint32_t        fpr_ex_sw;
  uint8_t         fpr_pad[64];
} target_fpreg_t;

static inline void target_copy_regs(target_reg_t *regs, const CPUX86State *env)
{

  regs->r_fs = env->segs[R_FS].selector & 0xffff;
  regs->r_es = env->segs[R_ES].selector & 0xffff;
  regs->r_ds = env->segs[R_DS].selector & 0xffff;

  regs->r_edi = env->regs[R_EDI];
  regs->r_esi = env->regs[R_ESI];
  regs->r_ebp = env->regs[R_EBP];
  /* regs->r_isp = env->regs[R_ISP]; XXX */
  regs->r_ebx
 = env->regs[R_EBX];
  regs->r_edx = env->regs[R_EDX];
  regs->r_ecx = env->regs[R_ECX];
  regs->r_eax = env->regs[R_EAX];
  /* regs->r_trapno = env->regs[R_TRAPNO]; XXX */
  regs->r_err = env->error_code;  /* XXX ? */
  regs->r_eip = env->eip;

  regs->r_cs = env->segs[R_CS].selector & 0xffff;

  regs->r_eflags = env->eflags;
  regs->r_esp = env->regs[R_ESP];

  regs->r_ss = env->segs[R_SS].selector & 0xffff;
  regs->r_gs = env->segs[R_GS].selector & 0xffff;
}

#endif /* !_TARGET_ARCH_REG_H_ */
/*
*  x86_64 ELF definitions
*
```

```
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*/
#ifndef _TARGET_ARCH_ELF_H_
#define _TARGET_ARCH_ELF_H_

#define ELF_START_MMAP 0x2aaaaab000ULL
#define ELF_ET_DYN_LOAD_ADDR    0x01021000
#define elf_check_arch(x) (((x) == ELF_ARCH))

#define ELF_HWCAP      0 /* FreeBSD doesn't do AT_HWCAP{,2} on x86 */

#define ELF_CLASS
    ELFCLASS64
#define ELF_DATA       ELFDATA2LSB
#define ELF_ARCH       EM_X86_64

#define USE_ELF_CORE_DUMP
#define ELF_EXEC_PAGESIZE       4096

#endif /* _TARGET_ARCH_ELF_H_ */
```

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project('bar', 'c', license: 'Apache-2.0')

executable('bar', 'bar.c')

license = meson.project_license()[0]
if license != 'Apache-2.0'
  error('The license should be Apache-2.0, but it is: ' + license)
endif

```
/*
*  FreeBSD setup_initial_stack() implementation.
*
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*/

#ifndef _TARGET_OS_STACK_H_
#define _TARGET_OS_STACK_H_

#include <sys/param.h>
#include "target_arch_sigtramp.h"
#include "qemu/guest-random.h"

/*
* The inital FreeBSD stack is as follows:
* (see kern/kern_exec.c exec_copyout_strings() )
 *
*  Hi Address -> char **ps_argvstr  (struct ps_strings for ps, w, etc.)
*              unsigned ps_nargvstr
*              char **ps_envstr
*  PS_STRINGS -> unsigned ps_nenvstr
*
*              machine dependent sigcode (sv_sigcode of size
*                                  sv_szsigcode)
*
*              execpath          (absolute image path for rtld)
*
*              SSP Canary        (sizeof(long) * 8)
*
*              page sizes array  (usually sizeof(u_long) )
*
*  "destp" ->    argv, env strings (up to 262144 bytes)
*/
static inline int setup_initial_stack(struct bsd_binprm *bprm,
      abi_ulong *ret_addr, abi_ulong *stringp)
```

```
{
  int i;
  abi_ulong stack_hi_addr;
  size_t execpath_len, stringspace;
  abi_ulong destp, argvp, envp, p;
  struct target_ps_strings ps_strs;
  char canary[sizeof(abi_long) * 8];

  stack_hi_addr = p = target_stkbas + target_stksiz;

  /* Save some space for ps_strings. */
  p -= sizeof(struct target_ps_strings);

   /* Add machine depedent sigcode. */
  p -= TARGET_SZSIGCODE;
  if (setup_sigtramp(p, (unsigned)offsetof(struct target_sigframe, sf_uc),
          TARGET_FREEBSD_NR_sigreturn)) {
      errno = EFAULT;
      return -1;
  }
  if (bprm->fullpath) {
      execpath_len = strlen(bprm->fullpath) + 1;
      p -= roundup(execpath_len, sizeof(abi_ulong));
      if (memcpy_to_target(p, bprm->fullpath, execpath_len)) {
          errno = EFAULT;
          return -1;
      }
  }
  /* Add canary for SSP. */
  qemu_guest_getrandom_nofail(canary, sizeof(canary));
  p -= roundup(sizeof(canary), sizeof(abi_ulong));
  if (memcpy_to_target(p, canary, sizeof(canary))) {
      errno = EFAULT;
      return -1;
  }
  /* Add page sizes array. */
  p -= sizeof(abi_ulong);
  if (put_user_ual(TARGET_PAGE_SIZE, p)) {
      errno = EFAULT;
      return -1;
  }
  /*
   * Deviate from FreeBSD stack layout: force stack to new page here

  * so that signal trampoline is not sharing the page with user stack
   * frames. This is actively harmful in qemu as it marks pages with
   * code it translated as read-only, which is somewhat problematic
   * for user trying to use the stack as intended.
```

```
 */
p = rounddown(p, TARGET_PAGE_SIZE);

/* Calculate the string space needed */
stringspace = 0;
for (i = 0; i < bprm->argc; ++i) {
    stringspace += strlen(bprm->argv[i]) + 1;
}
for (i = 0; i < bprm->envc; ++i) {
    stringspace += strlen(bprm->envp[i]) + 1;
}
if (stringspace > TARGET_ARG_MAX) {
    errno = ENOMEM;
    return -1;
}
/* Make room for the argv and envp strings */
destp = rounddown(p - stringspace, sizeof(abi_ulong));
p = argvp = destp - (bprm->argc + bprm->envc + 2) * sizeof(abi_ulong);
/* Remember the strings pointer */
if (stringp) {
    *stringp = destp;
}
/*
 * Add argv strings.  Note that the argv[] vectors are added
by
 * loader_build_argptr()
 */
/* XXX need to make room for auxargs */
ps_strs.ps_argvstr = tswapl(argvp);
ps_strs.ps_nargvstr = tswap32(bprm->argc);
for (i = 0; i < bprm->argc; ++i) {
    size_t len = strlen(bprm->argv[i]) + 1;

    if (memcpy_to_target(destp, bprm->argv[i], len)) {
        errno = EFAULT;
        return -1;
    }
    if (put_user_ual(destp, argvp)) {
        errno = EFAULT;
        return -1;
    }
    argvp += sizeof(abi_ulong);
    destp += len;
}
if (put_user_ual(0, argvp)) {
    errno = EFAULT;
    return -1;
}
```

```
  /*
   * Add env strings. Note that the envp[] vectors are added by
   * loader_build_argptr().
   */
  envp = argvp + sizeof(abi_ulong);
  ps_strs.ps_envstr = tswapl(envp);
  ps_strs.ps_nenvstr = tswap32(bprm->envc);
  for (i = 0; i < bprm->envc; ++i) {
      size_t len = strlen(bprm->envp[i]) + 1;

      if (memcpy_to_target(destp, bprm->envp[i],
 len)) {
          errno = EFAULT;
          return -1;
      }
      if (put_user_ual(destp, envp)) {
          errno = EFAULT;
          return -1;
      }
      envp += sizeof(abi_ulong);
      destp += len;
  }
  if (put_user_ual(0, envp)) {
      errno = EFAULT;
      return -1;
  }
  if (memcpy_to_target(stack_hi_addr - sizeof(ps_strs), &ps_strs,
              sizeof(ps_strs))) {
      errno = EFAULT;
      return -1;
  }

  if (ret_addr) {
      *ret_addr = p;
  }

  return 0;
}

#endif /* !_TARGET_OS_STACK_H_ */
bsd_user_ss.add(files(
 'os-sys.c',
))
```

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```
/*
*  mips system call definitions
*
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*/
#ifndef _MIPS_SYSCALL_H_
#define _MIPS_SYSCALL_H_

/*
* struct target_pt_regs defines the way the registers are stored on the stack
* during a system call.
*/

struct target_pt_regs {
  /* Saved main processor registers. */
  abi_ulong regs[32];

  /* Saved special registers. */
  abi_ulong
```

```
 cp0_status;
  abi_ulong lo;
  abi_ulong hi;
  abi_ulong cp0_badvaddr;
  abi_ulong cp0_cause;
  abi_ulong cp0_epc;
};

#if defined(TARGET_WORDS_BIGENDIAN)
#define UNAME_MACHINE "mips"
#else
#define UNAME_MACHINE "mipsel"
#endif

#define TARGET_HW_MACHINE       "mips"
#define TARGET_HW_MACHINE_ARCH   UNAME_MACHINE

/* sysarch() commands */
#define TARGET_MIPS_SET_TLS     1
#define TARGET_MIPS_GET_TLS     2

#endif /* !_MIPS_SYSCALL_H_ */

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*  Intel x86_64 VM parameters definitions
*
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*/
#ifndef _TARGET_ARCH_VMPARAM_H_
#define _TARGET_ARCH_VMPARAM_H_

#include "cpu.h"

/* compare to amd64/include/vmparam.h */
#define TARGET_MAXTSIZ  (128 * MiB)          /* max text size */
#define TARGET_DFLDSIZ  (32 * GiB)           /* initial data
 size limit */
#define TARGET_MAXDSIZ  (32 * GiB)           /* max data size */
#define TARGET_DFLSSIZ  (8 * MiB)           /* initial stack size limit */
#define TARGET_MAXSSIZ  (512 * MiB)          /* max stack size */
#define TARGET_SGROWSIZ (128 * KiB)          /* amount to grow stack */

#define TARGET_VM_MAXUSER_ADDRESS   (0x00007fffff000000UL)

#define TARGET_USRSTACK (TARGET_VM_MAXUSER_ADDRESS - TARGET_PAGE_SIZE)

static inline abi_ulong get_sp_from_cpustate(CPUX86State *state)
{
  return state->regs[R_ESP];
}

static inline void set_second_rval(CPUX86State *state, abi_ulong retval2)
```

```
{
  state->regs[R_EDX] = retval2;
}

#endif /* !_TARGET_ARCH_VMPARAM_H_ */
```

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```
/*
*  qemu bsd user mode definition
*
```

```
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*/
#ifndef QEMU_H
#define QEMU_H

#include "qemu/osdep.h"
#include "cpu.h"
#include "qemu/units.h"
#include "exec/cpu_ldst.h"
#include "exec/exec-all.h"

#undef DEBUG_REMAP

#include "exec/user/abitypes.h"

extern char **environ;

enum BSDType {
  target_freebsd,
  target_netbsd,
  target_openbsd,
};
extern
 enum BSDType bsd_type;

#include "exec/user/thunk.h"
#include "target_arch.h"
#include "syscall_defs.h"
#include "target_syscall.h"
#include "target_os_vmparam.h"
#include "target_os_signal.h"
#include "exec/gdbstub.h"

/*
* This struct is used to hold certain information about the image.  Basically,
* it replicates in user space what would be certain task_struct fields in the
* kernel
```

```
*/
struct image_info {
  abi_ulong load_bias;
  abi_ulong load_addr;
  abi_ulong start_code;
  abi_ulong end_code;
  abi_ulong start_data;
  abi_ulong end_data;
  abi_ulong start_brk;
  abi_ulong brk;
  abi_ulong start_mmap;
  abi_ulong mmap;
  abi_ulong rss;
  abi_ulong start_stack;
  abi_ulong entry;
  abi_ulong code_offset;
  abi_ulong data_offset;
  abi_ulong arg_start;
  abi_ulong arg_end;
  uint32_t  elf_flags;
};

#define MAX_SIGQUEUE_SIZE 1024

struct qemu_sigqueue {
  struct qemu_sigqueue *next;
  target_siginfo_t info;
};

struct emulated_sigtable
 {
  int pending; /* true if signal is pending */
  struct qemu_sigqueue *first;
  struct qemu_sigqueue info;  /* Put first signal info here */
};

/*
* NOTE: we force a big alignment so that the stack stored after is aligned too
*/
typedef struct TaskState {
  pid_t ts_tid;     /* tid (or pid) of this task */

  struct TaskState *next;
  struct bsd_binprm *bprm;
  struct image_info *info;

  struct emulated_sigtable sigtab[TARGET_NSIG];
  struct qemu_sigqueue sigqueue_table[MAX_SIGQUEUE_SIZE]; /* siginfo queue */
```

```
  struct qemu_sigqueue *first_free; /* first free siginfo queue entry */
  int signal_pending; /* non zero if a signal may be pending */

  uint8_t stack[];
} __attribute__((aligned(16))) TaskState;

void init_task_state(TaskState *ts);
void stop_all_tasks(void);
extern const char *qemu_uname_release;

/*
* TARGET_ARG_MAX defines the number of bytes allocated for arguments
* and envelope for the new program. 256k should suffice for a reasonable
 * maxiumum env+arg in 32-bit environments, bump it up to 512k for !ILP32
* platforms.
*/
#if TARGET_ABI_BITS > 32
#define TARGET_ARG_MAX (512 * KiB)
#else
#define TARGET_ARG_MAX (256 * KiB)
#endif
#define MAX_ARG_PAGES (TARGET_ARG_MAX / TARGET_PAGE_SIZE)

/*
* This structure is used to hold the arguments that are
* used when loading binaries.
*/
struct bsd_binprm {
      char buf[128];
      void *page[MAX_ARG_PAGES];
      abi_ulong p;
      abi_ulong stringp;
      int fd;
      int e_uid, e_gid;
      int argc, envc;
      char **argv;
      char **envp;
      char *filename;         /* (Given) Name of binary */
      char *fullpath;         /* Full path of binary */
      int (*core_dump)(int, CPUArchState *);
};

void do_init_thread(struct target_pt_regs *regs, struct image_info *infop);
abi_ulong loader_build_argptr(int envc, int argc, abi_ulong sp,
                              abi_ulong stringp);
int loader_exec(const char *filename, char **argv,
 char **envp,
             struct target_pt_regs *regs, struct image_info *infop,
```

```
            struct bsd_binprm *bprm);

int load_elf_binary(struct bsd_binprm *bprm, struct target_pt_regs *regs,
                struct image_info *info);
int load_flt_binary(struct bsd_binprm *bprm, struct target_pt_regs *regs,
                struct image_info *info);
int is_target_elf_binary(int fd);

abi_long memcpy_to_target(abi_ulong dest, const void *src,
                      unsigned long len);
void target_set_brk(abi_ulong new_brk);
abi_long do_brk(abi_ulong new_brk);
void syscall_init(void);
abi_long do_freebsd_syscall(void *cpu_env, int num, abi_long arg1,
                        abi_long arg2, abi_long arg3, abi_long arg4,
                        abi_long arg5, abi_long arg6, abi_long arg7,
                        abi_long arg8);
abi_long do_netbsd_syscall(void *cpu_env, int num, abi_long arg1,
                       abi_long arg2, abi_long arg3, abi_long arg4,
                        abi_long arg5, abi_long arg6);
abi_long do_openbsd_syscall(void *cpu_env, int num, abi_long arg1,
                        abi_long arg2, abi_long arg3, abi_long arg4,
                        abi_long arg5, abi_long arg6);
void gemu_log(const char *fmt, ...) GCC_FMT_ATTR(1, 2);
extern __thread CPUState *thread_cpu;
void cpu_loop(CPUArchState *env);
char *target_strerror(int err);
int get_osversion(void);
void fork_start(void);
void fork_end(int child);

#include "qemu/log.h"

/* strace.c */
struct syscallname {
  int nr;
  const char *name;
  const char *format;
  void (*call)(const struct syscallname *,
               abi_long, abi_long, abi_long,
               abi_long, abi_long, abi_long);
  void (*result)(const struct syscallname *, abi_long);
};

void
print_freebsd_syscall(int num,
                  abi_long arg1, abi_long arg2, abi_long arg3,
                  abi_long arg4, abi_long arg5, abi_long arg6);
```

```
void print_freebsd_syscall_ret(int
 num, abi_long ret);
void
print_netbsd_syscall(int num,
                     abi_long arg1, abi_long arg2, abi_long arg3,
                     abi_long arg4, abi_long arg5, abi_long arg6);
void print_netbsd_syscall_ret(int num, abi_long ret);
void
print_openbsd_syscall(int num,
                      abi_long arg1, abi_long arg2, abi_long arg3,
                      abi_long arg4, abi_long arg5, abi_long arg6);
void print_openbsd_syscall_ret(int num, abi_long ret);
extern int do_strace;

/* signal.c */
void process_pending_signals(CPUArchState *cpu_env);
void signal_init(void);
long do_sigreturn(CPUArchState *env);
long do_rt_sigreturn(CPUArchState *env);
void queue_signal(CPUArchState *env, int sig, target_siginfo_t *info);
abi_long do_sigaltstack(abi_ulong uss_addr, abi_ulong uoss_addr, abi_ulong sp);

/* mmap.c */
int target_mprotect(abi_ulong start, abi_ulong len, int prot);
abi_long target_mmap(abi_ulong start, abi_ulong len, int prot,
                     int
 flags, int fd, off_t offset);
int target_munmap(abi_ulong start, abi_ulong len);
abi_long target_mremap(abi_ulong old_addr, abi_ulong old_size,
                       abi_ulong new_size, unsigned long flags,
                       abi_ulong new_addr);
int target_msync(abi_ulong start, abi_ulong len, int flags);
extern unsigned long last_brk;
extern abi_ulong mmap_next_start;
abi_ulong mmap_find_vma(abi_ulong start, abi_ulong size);
void mmap_fork_start(void);
void mmap_fork_end(int child);

/* main.c */
extern char qemu_proc_pathname[];
extern unsigned long target_maxtsiz;
extern unsigned long target_dfldsiz;
extern unsigned long target_maxdsiz;
extern unsigned long target_dflssiz;
extern unsigned long target_maxssiz;
extern unsigned long target_sgrowsiz;

/* syscall.c */
```

```
abi_long get_errno(abi_long ret);
bool is_error(abi_long ret);

/* os-sys.c */
abi_long do_freebsd_sysarch(void *cpu_env, abi_long arg1, abi_long arg2);

/* user access */

#define VERIFY_READ  PAGE_READ
#define VERIFY_WRITE
 (PAGE_READ | PAGE_WRITE)

static inline bool access_ok(int type, abi_ulong addr, abi_ulong size)
{
  return page_check_range((target_ulong)addr, size, type) == 0;
}

/*
* NOTE __get_user and __put_user use host pointers and don't check access.
*
* These are usually used to access struct data members once the struct has been
* locked - usually with lock_user_struct().
*/
#define __put_user(x, hptr)\
({\
  int size = sizeof(*hptr);\
  switch (size) {\
  case 1:\
     *(uint8_t *)(hptr) = (uint8_t)(typeof(*hptr))(x);\
     break;\
  case 2:\
     *(uint16_t *)(hptr) = tswap16((typeof(*hptr))(x));\
     break;\
  case 4:\
     *(uint32_t *)(hptr) = tswap32((typeof(*hptr))(x));\
     break;\
  case 8:\
     *(uint64_t *)(hptr) = tswap64((typeof(*hptr))(x));\
     break;\
  default:\
     abort();\
  } \
  0;\
})

#define __get_user(x, hptr) \
({\
  int size = sizeof(*hptr);\
```

```
  switch (size) {\
  case 1:\
      x = (typeof(*hptr))*(uint8_t
 *)(hptr);\
      break;\
  case 2:\
      x = (typeof(*hptr))tswap16(*(uint16_t *)(hptr));\
      break;\
  case 4:\
      x = (typeof(*hptr))tswap32(*(uint32_t *)(hptr));\
      break;\
  case 8:\
      x = (typeof(*hptr))tswap64(*(uint64_t *)(hptr));\
      break;\
  default:\
      x = 0;\
      abort();\
  } \
  0;\
})

/*
* put_user()/get_user() take a guest address and check access
*
* These are usually used to access an atomic data type, such as an int, that
* has been passed by address.  These internally perform locking and unlocking
* on the data type.
*/
#define put_user(x, gaddr, target_type)                    \
({                                                  \
  abi_ulong __gaddr = (gaddr);                      \
  target_type *__hptr;                              \
  abi_long __ret;                                   \
  __hptr
 = lock_user(VERIFY_WRITE, __gaddr, sizeof(target_type), 0);  \
  if (__hptr) {                                     \
      __ret = __put_user((x), __hptr);              \
      unlock_user(__hptr, __gaddr, sizeof(target_type));        \
  } else                                            \
      __ret = -TARGET_EFAULT;                       \
  __ret;                                            \
})

#define get_user(x, gaddr, target_type)                    \
({                                                  \
  abi_ulong __gaddr = (gaddr);                      \
  target_type *__hptr;                              \
  abi_long __ret;                                   \
```

```
    __hptr = lock_user(VERIFY_READ, __gaddr, sizeof(target_type), 1);   \
    if (__hptr) {                                                       \
        __ret = __get_user((x), __hptr);                                \
        unlock_user(__hptr, __gaddr, 0);                                \
    } else {                                                            \
        (x) = 0;                                                        \
        __ret = -TARGET_EFAULT;                                         \
    }                                                                   \
    __ret;                                                              \
})

#define put_user_ual(x, gaddr) put_user((x), (gaddr), abi_ulong)
#define put_user_sal(x, gaddr) put_user((x), (gaddr), abi_long)
#define put_user_u64(x, gaddr) put_user((x), (gaddr), uint64_t)
#define put_user_s64(x, gaddr) put_user((x), (gaddr), int64_t)
#define put_user_u32(x, gaddr) put_user((x), (gaddr), uint32_t)
#define put_user_s32(x, gaddr) put_user((x), (gaddr), int32_t)
#define put_user_u16(x, gaddr) put_user((x), (gaddr), uint16_t)
#define
 put_user_s16(x, gaddr) put_user((x), (gaddr), int16_t)
#define put_user_u8(x, gaddr)  put_user((x), (gaddr), uint8_t)
#define put_user_s8(x, gaddr)  put_user((x), (gaddr), int8_t)

#define get_user_ual(x, gaddr) get_user((x), (gaddr), abi_ulong)
#define get_user_sal(x, gaddr) get_user((x), (gaddr), abi_long)
#define get_user_u64(x, gaddr) get_user((x), (gaddr), uint64_t)
#define get_user_s64(x, gaddr) get_user((x), (gaddr), int64_t)
#define get_user_u32(x, gaddr) get_user((x), (gaddr), uint32_t)
#define get_user_s32(x, gaddr) get_user((x), (gaddr), int32_t)
#define get_user_u16(x, gaddr) get_user((x), (gaddr), uint16_t)
#define get_user_s16(x, gaddr) get_user((x), (gaddr), int16_t)
#define get_user_u8(x, gaddr)  get_user((x), (gaddr), uint8_t)
#define get_user_s8(x, gaddr)  get_user((x), (gaddr), int8_t)

/*
* copy_from_user() and copy_to_user() are usually used to copy data
* buffers between the target and host.  These internally perform
* locking/unlocking of the memory.
 */
abi_long copy_from_user(void *hptr, abi_ulong gaddr, size_t len);
abi_long copy_to_user(abi_ulong gaddr, void *hptr, size_t len);

/*
* Functions for accessing guest memory.  The tget and tput functions
* read/write single values, byteswapping as necessary.  The lock_user function
* gets a pointer to a contiguous area of guest memory, but does not perform
* any byteswapping.  lock_user may return either a pointer to the guest
```

```
* memory, or a temporary buffer.
*/

/*
* Lock an area of guest memory into the host.  If copy is true then the
* host area will have the same contents as the guest.
*/
static inline void *lock_user(int type, abi_ulong guest_addr, long len,
                              int copy)
{
  if (!access_ok(type, guest_addr, len)) {
     return NULL;
  }
#ifdef DEBUG_REMAP
  {
     void *addr;
     addr = g_malloc(len);
     if (copy) {
        memcpy(addr, g2h_untagged(guest_addr), len);
     } else {
        memset(addr, 0, len);
      }
     return addr;
  }
#else
  return g2h_untagged(guest_addr);
#endif
}

/*
* Unlock an area of guest memory.  The first LEN bytes must be flushed back to
* guest memory. host_ptr = NULL is explicitly allowed and does nothing.
*/
static inline void unlock_user(void *host_ptr, abi_ulong guest_addr,
                               long len)
{

#ifdef DEBUG_REMAP
  if (!host_ptr) {
     return;
  }
  if (host_ptr == g2h_untagged(guest_addr)) {
     return;
  }
  if (len > 0) {
     memcpy(g2h_untagged(guest_addr), host_ptr, len);
  }
  g_free(host_ptr);
```

```
#endif
}

/*
* Return the length of a string in target memory or -TARGET_EFAULT if access
* error.
*/
abi_long target_strlen(abi_ulong gaddr);

/* Like lock_user but for null terminated strings.  */
static inline void *lock_user_string(abi_ulong guest_addr)
{
  abi_long len;
  len = target_strlen(guest_addr);
  if (len < 0) {
     return NULL;
  }
  return lock_user(VERIFY_READ, guest_addr,
 (long)(len + 1), 1);
}

/* Helper macros for locking/unlocking a target struct.  */
#define lock_user_struct(type, host_ptr, guest_addr, copy)      \
  (host_ptr = lock_user(type, guest_addr, sizeof(*host_ptr), copy))
#define unlock_user_struct(host_ptr, guest_addr, copy)          \
  unlock_user(host_ptr, guest_addr, (copy) ? sizeof(*host_ptr) : 0)

#include <pthread.h>

#endif /* QEMU_H */
/*
*  i386 ELF definitions
*
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*/
```

```
#ifndef _TARGET_ARCH_ELF_H_
#define _TARGET_ARCH_ELF_H_

#define ELF_START_MMAP 0x80000000
#define ELF_ET_DYN_LOAD_ADDR    0x01001000
#define elf_check_arch(x) (((x) == EM_386) || ((x) == EM_486))

#define ELF_HWCAP       0 /* FreeBSD doesn't do AT_HWCAP{,2} on x86 */

#define
 ELF_CLASS      ELFCLASS32
#define ELF_DATA        ELFDATA2LSB
#define ELF_ARCH        EM_386

#define USE_ELF_CORE_DUMP
#define ELF_EXEC_PAGESIZE       4096

#endif /* _TARGET_ARCH_ELF_H_ */
```

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```
/*      $OpenBSD: syscall.h,v 1.101 2008/03/16 19:43:41 otto Exp $      */

/*
* System call numbers.
*
* created from;       OpenBSD: syscalls.master,v 1.90 2008/03/16 19:42:57 otto Exp
*/

#define TARGET_OPENBSD_NR_syscall     0
#define TARGET_OPENBSD_NR_exit        1
#define TARGET_OPENBSD_NR_fork        2
#define TARGET_OPENBSD_NR_read        3
#define TARGET_OPENBSD_NR_write       4
#define TARGET_OPENBSD_NR_open        5
#define TARGET_OPENBSD_NR_close       6
#define TARGET_OPENBSD_NR_wait4       7
#define TARGET_OPENBSD_NR_link        9
#define TARGET_OPENBSD_NR_unlink      10
#define TARGET_OPENBSD_NR_chdir       12
#define TARGET_OPENBSD_NR_fchdir      13
#define TARGET_OPENBSD_NR_mknod       14
#define TARGET_OPENBSD_NR_chmod       15
#define TARGET_OPENBSD_NR_chown       16
#define TARGET_OPENBSD_NR_break       17
#define TARGET_OPENBSD_NR_getpid      20
#define TARGET_OPENBSD_NR_mount       21
#define TARGET_OPENBSD_NR_unmount     22
#define TARGET_OPENBSD_NR_setuid
   23
#define TARGET_OPENBSD_NR_getuid      24
#define TARGET_OPENBSD_NR_geteuid     25
#define TARGET_OPENBSD_NR_ptrace      26
#define TARGET_OPENBSD_NR_recvmsg     27
#define TARGET_OPENBSD_NR_sendmsg     28
#define TARGET_OPENBSD_NR_recvfrom    29
#define TARGET_OPENBSD_NR_accept      30
#define TARGET_OPENBSD_NR_getpeername 31
#define TARGET_OPENBSD_NR_getsockname 32
#define TARGET_OPENBSD_NR_access      33
#define TARGET_OPENBSD_NR_chflags     34
#define TARGET_OPENBSD_NR_fchflags    35
#define TARGET_OPENBSD_NR_sync        36
#define TARGET_OPENBSD_NR_kill        37
#define TARGET_OPENBSD_NR_getppid     39
```

```
#define TARGET_OPENBSD_NR_dup 41
#define TARGET_OPENBSD_NR_opipe       42
#define TARGET_OPENBSD_NR_getegid     43
#define TARGET_OPENBSD_NR_profil      44
#define TARGET_OPENBSD_NR_ktrace      45
#define TARGET_OPENBSD_NR_sigaction   46
#define TARGET_OPENBSD_NR_getgid      47
#define TARGET_OPENBSD_NR_sigprocmask 48
#define TARGET_OPENBSD_NR_getlogin    49
#define TARGET_OPENBSD_NR_setlogin
  50
#define TARGET_OPENBSD_NR_acct        51
#define TARGET_OPENBSD_NR_sigpending  52
#define TARGET_OPENBSD_NR_osigaltstack        53
#define TARGET_OPENBSD_NR_ioctl       54
#define TARGET_OPENBSD_NR_reboot      55
#define TARGET_OPENBSD_NR_revoke      56
#define TARGET_OPENBSD_NR_symlink     57
#define TARGET_OPENBSD_NR_readlink    58
#define TARGET_OPENBSD_NR_execve      59
#define TARGET_OPENBSD_NR_umask       60
#define TARGET_OPENBSD_NR_chroot      61
#define TARGET_OPENBSD_NR_vfork       66
#define TARGET_OPENBSD_NR_sbrk        69
#define TARGET_OPENBSD_NR_sstk        70
#define TARGET_OPENBSD_NR_munmap      73
#define TARGET_OPENBSD_NR_mprotect    74
#define TARGET_OPENBSD_NR_madvise     75
#define TARGET_OPENBSD_NR_mincore     78
#define TARGET_OPENBSD_NR_getgroups   79
#define TARGET_OPENBSD_NR_setgroups   80
#define TARGET_OPENBSD_NR_getpgrp     81
#define TARGET_OPENBSD_NR_setpgid     82
#define TARGET_OPENBSD_NR_setitimer   83
#define TARGET_OPENBSD_NR_getitimer
  86
#define TARGET_OPENBSD_NR_dup2        90
#define TARGET_OPENBSD_NR_fcntl       92
#define TARGET_OPENBSD_NR_select      93
#define TARGET_OPENBSD_NR_fsync       95
#define TARGET_OPENBSD_NR_setpriority 96
#define TARGET_OPENBSD_NR_socket      97
#define TARGET_OPENBSD_NR_connect     98
#define TARGET_OPENBSD_NR_getpriority 100
#define TARGET_OPENBSD_NR_sigreturn   103
#define TARGET_OPENBSD_NR_bind        104
#define TARGET_OPENBSD_NR_setsockopt  105
#define TARGET_OPENBSD_NR_listen      106
```

```
#define TARGET_OPENBSD_NR_sigsuspend  111
#define TARGET_OPENBSD_NR_gettimeofday        116
#define TARGET_OPENBSD_NR_getrusage   117
#define TARGET_OPENBSD_NR_getsockopt  118
#define TARGET_OPENBSD_NR_readv       120
#define TARGET_OPENBSD_NR_writev      121
#define TARGET_OPENBSD_NR_settimeofday        122
#define TARGET_OPENBSD_NR_fchown      123
#define TARGET_OPENBSD_NR_fchmod      124
#define TARGET_OPENBSD_NR_setreuid    126
#define TARGET_OPENBSD_NR_setregid    127
#define TARGET_OPENBSD_NR_rename
    128
#define TARGET_OPENBSD_NR_flock       131
#define TARGET_OPENBSD_NR_mkfifo      132
#define TARGET_OPENBSD_NR_sendto      133
#define TARGET_OPENBSD_NR_shutdown    134
#define TARGET_OPENBSD_NR_socketpair  135
#define TARGET_OPENBSD_NR_mkdir       136
#define TARGET_OPENBSD_NR_rmdir       137
#define TARGET_OPENBSD_NR_utimes      138
#define TARGET_OPENBSD_NR_adjtime     140
#define TARGET_OPENBSD_NR_setsid      147
#define TARGET_OPENBSD_NR_quotactl    148
#define TARGET_OPENBSD_NR_nfssvc      155
#define TARGET_OPENBSD_NR_getfh       161
#define TARGET_OPENBSD_NR_sysarch     165
#define TARGET_OPENBSD_NR_pread       173
#define TARGET_OPENBSD_NR_pwrite      174
#define TARGET_OPENBSD_NR_setgid      181
#define TARGET_OPENBSD_NR_setegid     182
#define TARGET_OPENBSD_NR_seteuid     183
#define TARGET_OPENBSD_NR_lfs_bmapv   184
#define TARGET_OPENBSD_NR_lfs_markv   185
#define TARGET_OPENBSD_NR_lfs_segclean        186
#define TARGET_OPENBSD_NR_lfs_segwait
 187
#define TARGET_OPENBSD_NR_pathconf    191
#define TARGET_OPENBSD_NR_fpathconf   192
#define TARGET_OPENBSD_NR_swapctl     193
#define TARGET_OPENBSD_NR_getrlimit   194
#define TARGET_OPENBSD_NR_setrlimit   195
#define TARGET_OPENBSD_NR_getdirentries       196
#define TARGET_OPENBSD_NR_mmap        197
#define TARGET_OPENBSD_NR___syscall   198
#define TARGET_OPENBSD_NR_lseek       199
#define TARGET_OPENBSD_NR_truncate    200
#define TARGET_OPENBSD_NR_ftruncate   201
```

```
#define TARGET_OPENBSD_NR___sysctl    202
#define TARGET_OPENBSD_NR_mlock       203
#define TARGET_OPENBSD_NR_munlock     204
#define TARGET_OPENBSD_NR_futimes     206
#define TARGET_OPENBSD_NR_getpgid     207
#define TARGET_OPENBSD_NR_xfspioctl   208
#define TARGET_OPENBSD_NR_semget      221
#define TARGET_OPENBSD_NR_msgget      225
#define TARGET_OPENBSD_NR_msgsnd      226
#define TARGET_OPENBSD_NR_msgrcv      227
#define TARGET_OPENBSD_NR_shmat       228
#define TARGET_OPENBSD_NR_shmdt       230
#define TARGET_OPENBSD_NR_clock_gettime
    232
#define TARGET_OPENBSD_NR_clock_settime       233
#define TARGET_OPENBSD_NR_clock_getres        234
#define TARGET_OPENBSD_NR_nanosleep   240
#define TARGET_OPENBSD_NR_minherit    250
#define TARGET_OPENBSD_NR_rfork       251
#define TARGET_OPENBSD_NR_poll        252
#define TARGET_OPENBSD_NR_issetugid   253
#define TARGET_OPENBSD_NR_lchown      254
#define TARGET_OPENBSD_NR_getsid      255
#define TARGET_OPENBSD_NR_msync       256
#define TARGET_OPENBSD_NR_pipe        263
#define TARGET_OPENBSD_NR_fhopen      264
#define TARGET_OPENBSD_NR_preadv      267
#define TARGET_OPENBSD_NR_pwritev     268
#define TARGET_OPENBSD_NR_kqueue      269
#define TARGET_OPENBSD_NR_kevent      270
#define TARGET_OPENBSD_NR_mlockall    271
#define TARGET_OPENBSD_NR_munlockall  272
#define TARGET_OPENBSD_NR_getpeereid  273
#define TARGET_OPENBSD_NR_getresuid   281
#define TARGET_OPENBSD_NR_setresuid   282
#define TARGET_OPENBSD_NR_getresgid   283
#define TARGET_OPENBSD_NR_setresgid
  284
#define TARGET_OPENBSD_NR_mquery      286
#define TARGET_OPENBSD_NR_closefrom   287
#define TARGET_OPENBSD_NR_sigaltstack 288
#define TARGET_OPENBSD_NR_shmget      289
#define TARGET_OPENBSD_NR_semop       290
#define TARGET_OPENBSD_NR_stat        291
#define TARGET_OPENBSD_NR_fstat       292
#define TARGET_OPENBSD_NR_lstat       293
#define TARGET_OPENBSD_NR_fhstat      294
#define TARGET_OPENBSD_NR___semctl    295
```

```
#define TARGET_OPENBSD_NR_shmctl      296
#define TARGET_OPENBSD_NR_msgctl      297
#define TARGET_OPENBSD_NR_sched_yield 298
#define TARGET_OPENBSD_NR_getthrid    299
#define TARGET_OPENBSD_NR_thrsleep    300
#define TARGET_OPENBSD_NR_thrwakeup   301
#define TARGET_OPENBSD_NR_threxit     302
#define TARGET_OPENBSD_NR_thrsigdivert        303
#define TARGET_OPENBSD_NR___getcwd    304
#define TARGET_OPENBSD_NR_adjfreq     305
#define TARGET_OPENBSD_NR_getfsstat   306
#define TARGET_OPENBSD_NR_statfs      307
#define TARGET_OPENBSD_NR_fstatfs     308
#define TARGET_OPENBSD_NR_fhstatfs
   309

/* syscall flags from machine/trap.h */

/*      $OpenBSD: trap.h,v 1.4 2008/07/04 22:04:37 kettenis Exp $       */
/*      $NetBSD: trap.h,v 1.4 1999/06/07 05:28:04 eeh Exp $ */

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*
*/
#define TARGET_OPENBSD_SYSCALL_G2RFLAG 0x400   /* on success, return to %g2 rather than npc */
#define TARGET_OPENBSD_SYSCALL_G7RFLAG 0x800   /* use %g7 as above (deprecated) */
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```

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```
/*
*  i386 cpu init and loop
*
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*/

#ifndef _TARGET_ARCH_CPU_H_
#define _TARGET_ARCH_CPU_H_

#include "target_arch.h"

#define TARGET_DEFAULT_CPU_MODEL "qemu32"

static inline void target_cpu_init(CPUX86State *env,
      struct target_pt_regs *regs)
{
  uint64_t *gdt_table;
```

```
 env->cr[0] = CR0_PG_MASK | CR0_WP_MASK | CR0_PE_MASK;

env->hflags |= HF_PE_MASK | HF_CPL_MASK;
 if (env->features[FEAT_1_EDX] & CPUID_SSE) {
    env->cr[4] |= CR4_OSFXSR_MASK;
    env->hflags |= HF_OSFXSR_MASK;
 }

 /* flags setup : we activate the IRQs by default as in user mode */
 env->eflags |= IF_MASK;

 /* register setup */
 env->regs[R_EAX] = regs->eax;
 env->regs[R_EBX] = regs->ebx;
 env->regs[R_ECX] = regs->ecx;
 env->regs[R_EDX] = regs->edx;
 env->regs[R_ESI] = regs->esi;
 env->regs[R_EDI] = regs->edi;
 env->regs[R_EBP] = regs->ebp;
 env->regs[R_ESP] = regs->esp;
 env->eip = regs->eip;

 /* interrupt setup */
 env->idt.limit = 255;

 env->idt.base = target_mmap(0, sizeof(uint64_t) * (env->idt.limit + 1),
    PROT_READ | PROT_WRITE, MAP_ANONYMOUS | MAP_PRIVATE, -1, 0);
 bsd_i386_set_idt_base(env->idt.base);
 bsd_i386_set_idt(0, 0);
 bsd_i386_set_idt(1, 0);
 bsd_i386_set_idt(2, 0);
 bsd_i386_set_idt(3, 3);
 bsd_i386_set_idt(4, 3);
 bsd_i386_set_idt(5,
0);
 bsd_i386_set_idt(6, 0);
 bsd_i386_set_idt(7, 0);
 bsd_i386_set_idt(8, 0);
 bsd_i386_set_idt(9, 0);
 bsd_i386_set_idt(10, 0);
 bsd_i386_set_idt(11, 0);
 bsd_i386_set_idt(12, 0);
 bsd_i386_set_idt(13, 0);
 bsd_i386_set_idt(14, 0);
 bsd_i386_set_idt(15, 0);
 bsd_i386_set_idt(16, 0);
 bsd_i386_set_idt(17, 0);
```

```
  bsd_i386_set_idt(18, 0);
  bsd_i386_set_idt(19, 0);
  bsd_i386_set_idt(0x80, 3);

  /* segment setup */
  env->gdt.base = target_mmap(0, sizeof(uint64_t) * TARGET_GDT_ENTRIES,
        PROT_READ | PROT_WRITE, MAP_ANONYMOUS | MAP_PRIVATE, -1, 0);
  env->gdt.limit = sizeof(uint64_t) * TARGET_GDT_ENTRIES - 1;
  gdt_table = g2h_untagged(env->gdt.base);

  bsd_i386_write_dt(&gdt_table[__USER_CS >> 3], 0, 0xfffff,
        DESC_G_MASK | DESC_B_MASK | DESC_P_MASK | DESC_S_MASK |
        (3 << DESC_DPL_SHIFT) | (0xa << DESC_TYPE_SHIFT));

  bsd_i386_write_dt(&gdt_table[__USER_DS >> 3], 0, 0xfffff,
        DESC_G_MASK
| DESC_B_MASK | DESC_P_MASK | DESC_S_MASK |
        (3 << DESC_DPL_SHIFT) | (0x2 << DESC_TYPE_SHIFT));

  cpu_x86_load_seg(env, R_CS, __USER_CS);
  cpu_x86_load_seg(env, R_SS, __USER_DS);
  cpu_x86_load_seg(env, R_DS, __USER_DS);
  cpu_x86_load_seg(env, R_ES, __USER_DS);
  cpu_x86_load_seg(env, R_FS, __USER_DS);
  cpu_x86_load_seg(env, R_GS, __USER_DS);
  /* This hack makes Wine work... */
  env->segs[R_FS].selector = 0;
}

static inline void target_cpu_loop(CPUX86State *env)
{
  CPUState *cs = env_cpu(env);
  int trapnr;
  abi_ulong pc;
  /* target_siginfo_t info; */

  for (;;) {
      cpu_exec_start(cs);
      trapnr = cpu_exec(cs);
      cpu_exec_end(cs);
      process_queued_cpu_work(cs);

      switch (trapnr) {
      case 0x80:
          /* syscall from int $0x80 */
          if (bsd_type == target_freebsd) {
              abi_ulong params = (abi_ulong) env->regs[R_ESP] +
                  sizeof(int32_t);
```

```
            int32_t
syscall_nr = env->regs[R_EAX];
            int32_t arg1, arg2, arg3, arg4, arg5, arg6, arg7, arg8;

            if (syscall_nr == TARGET_FREEBSD_NR_syscall) {
               get_user_s32(syscall_nr, params);
               params += sizeof(int32_t);
            } else if (syscall_nr == TARGET_FREEBSD_NR___syscall) {
               get_user_s32(syscall_nr, params);
               params += sizeof(int64_t);
            }
            get_user_s32(arg1, params);
            params += sizeof(int32_t);
            get_user_s32(arg2, params);
            params += sizeof(int32_t);
            get_user_s32(arg3, params);
            params += sizeof(int32_t);
            get_user_s32(arg4, params);
            params += sizeof(int32_t);
            get_user_s32(arg5, params);
            params += sizeof(int32_t);
            get_user_s32(arg6, params);
            params += sizeof(int32_t);

  get_user_s32(arg7, params);
            params += sizeof(int32_t);
            get_user_s32(arg8, params);
            env->regs[R_EAX] = do_freebsd_syscall(env,
                                        syscall_nr,
                                        arg1,
                                        arg2,
                                        arg3,
                                        arg4,
                                        arg5,
                                        arg6,
                                        arg7,
                                        arg8);
         } else { /* if (bsd_type == target_openbsd) */
            env->regs[R_EAX] = do_openbsd_syscall(env,
                                        env->regs[R_EAX],
                                        env->regs[R_EBX],

                                 env->regs[R_ECX],
                                        env->regs[R_EDX],
                                        env->regs[R_ESI],
                                        env->regs[R_EDI],
                                        env->regs[R_EBP]);
         }
```

```
            if (((abi_ulong)env->regs[R_EAX]) >= (abi_ulong)(-515)) {
                env->regs[R_EAX] = -env->regs[R_EAX];
                env->eflags |= CC_C;
            } else {
                env->eflags &= ~CC_C;
            }
            break;

        case EXCP_INTERRUPT:
            /* just indicate that signals should be handled asap */
            break;

        case EXCP_ATOMIC:
            cpu_exec_step_atomic(cs);
            break;

        default:
            pc = env->segs[R_CS].base + env->eip;
            fprintf(stderr, "qemu: 0x%08lx: unhandled CPU exception 0x%x - "
                    "aborting\n", (long)pc,
 trapnr);
            abort();
        }
        process_pending_signals(env);
    }
}

static inline void target_cpu_clone_regs(CPUX86State *env, target_ulong newsp)
{
    if (newsp) {
        env->regs[R_ESP] = newsp;
    }
    env->regs[R_EAX] = 0;
}

static inline void target_cpu_reset(CPUArchState *cpu)
{
    cpu_reset(env_cpu(cpu));
}

#endif /* ! _TARGET_ARCH_CPU_H_ */
/*
*  freebsd ELF definitions
*
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*/
#ifndef _TARGET_OS_ELF_H_
#define _TARGET_OS_ELF_H_

#include "target_arch_elf.h"
#include "elf.h"

#define bsd_get_ncpu() 1 /* until we pull in bsd-proc.[hc] */

/* this flag is uneffective under linux too, should be deleted */
#ifndef MAP_DENYWRITE
#define MAP_DENYWRITE
 0
#endif

/* should probably go in elf.h */
#ifndef ELIBBAD
#define ELIBBAD 80
#endif

#ifndef ELF_PLATFORM
#define ELF_PLATFORM (NULL)
#endif

/* XXX Look at the other conflicting AT_* values. */
#define FREEBSD_AT_NCPUS     19
#define FREEBSD_AT_HWCAP     25
#define FREEBSD_AT_HWCAP2    26

#ifdef TARGET_ABI32
#undef ELF_CLASS
#define ELF_CLASS ELFCLASS32
#undef bswaptls
#define bswaptls(ptr) bswap32s(ptr)
#endif

/* max code+data+bss space allocated to elf interpreter */
#define INTERP_MAP_SIZE (32 * 1024 * 1024)
```

```
/* max code+data+bss+brk space allocated to ET_DYN executables */
#define ET_DYN_MAP_SIZE (128 * 1024 * 1024)

/* Necessary parameters */
#define TARGET_ELF_EXEC_PAGESIZE TARGET_PAGE_SIZE
#define TARGET_ELF_PAGESTART(_v) ((_v) & \
     ~(unsigned long)(TARGET_ELF_EXEC_PAGESIZE - 1))
#define TARGET_ELF_PAGEOFFSET(_v) ((_v) & (TARGET_ELF_EXEC_PAGESIZE - 1))

#define DLINFO_ITEMS 14

static abi_ulong target_create_elf_tables(abi_ulong p, int argc, int envc,

                                abi_ulong stringp,
                                    struct elfhdr *exec,
                                    abi_ulong load_addr,
                                    abi_ulong load_bias,
                                    abi_ulong interp_load_addr,
                                    struct image_info *info)
{
     abi_ulong features, sp;
     int size;
     const int n = sizeof(elf_addr_t);

     target_auxents_sz = 0;
     sp = p;
     /*
      * Force 16 byte _final_ alignment here for generality.
      */
     sp = sp & ~(abi_ulong)15;
     size = (DLINFO_ITEMS + 1) * 2;
     size += envc + argc + 2;
     size += 1;                    /* argc itself */
     size *= n;
     if (size & 15) {
        sp -= 16 - (size & 15);
     }

     /*
      * FreeBSD defines elf_addr_t as Elf32_Off / Elf64_Off
      */
#define NEW_AUX_ENT(id, val) do {               \
          sp -= n; put_user_ual(val, sp);     \
        sp -= n; put_user_ual(id, sp);      \
        target_auxents_sz += 2 * n;         \
       } while (0)
```

```
    NEW_AUX_ENT(AT_NULL, 0);

    /* There must be exactly DLINFO_ITEMS entries here.  */
    NEW_AUX_ENT(AT_PHDR, (abi_ulong)(load_addr + exec->e_phoff));
    NEW_AUX_ENT(AT_PHENT, (abi_ulong)(sizeof(struct elf_phdr)));
    NEW_AUX_ENT(AT_PHNUM, (abi_ulong)(exec->e_phnum));
    NEW_AUX_ENT(AT_PAGESZ, (abi_ulong)(TARGET_PAGE_SIZE));
    NEW_AUX_ENT(AT_BASE, (abi_ulong)(interp_load_addr));
    NEW_AUX_ENT(AT_FLAGS, (abi_ulong)0);
    NEW_AUX_ENT(FREEBSD_AT_NCPUS, (abi_ulong)bsd_get_ncpu());
    NEW_AUX_ENT(AT_ENTRY, load_bias + exec->e_entry);
    features = ELF_HWCAP;
    NEW_AUX_ENT(FREEBSD_AT_HWCAP, features);
#ifdef ELF_HWCAP2
    features = ELF_HWCAP2;
    NEW_AUX_ENT(FREEBSD_AT_HWCAP2, features);
#endif
    NEW_AUX_ENT(AT_UID, (abi_ulong)getuid());

   NEW_AUX_ENT(AT_EUID, (abi_ulong)geteuid());
    NEW_AUX_ENT(AT_GID, (abi_ulong)getgid());
    NEW_AUX_ENT(AT_EGID, (abi_ulong)getegid());
    target_auxents = sp; /* Note where the aux entries are in the target */
#ifdef ARCH_DLINFO
    /*
     * ARCH_DLINFO must come last so platform specific code can enforce
     * special alignment requirements on the AUXV if necessary (eg. PPC).
     */
    ARCH_DLINFO;
#endif
#undef NEW_AUX_ENT

    sp = loader_build_argptr(envc, argc, sp, stringp);
    return sp;
}

#endif /* _TARGET_OS_ELF_H_ */
/*
*  FreeBSD thread dependent code and definitions
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*/

#ifndef _TARGET_OS_THREAD_H_
#define _TARGET_OS_THREAD_H_

#include "target_arch_thread.h"

#endif /* !_TARGET_OS_THREAD_H_ */
if not have_bsd_user
  subdir_done()
endif

bsd_user_ss.add(files(
 'bsdload.c',
 'elfload.c',
 'main.c',
 'mmap.c',
 'signal.c',
 'strace.c',
 'syscall.c',
 'uaccess.c',
))

# Pull in the OS-specific build glue, if any
subdir(targetos)
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That's all there is to it!

```
#ifndef _TARGET_OS_SIGINFO_H_
#define _TARGET_OS_SIGINFO_H_

#define TARGET_NSIG     32   /* counting 0; could be 33 (mask is 1-32) */
#define TARGET_NSIG_BPW     (sizeof(uint32_t) * 8)
#define TARGET_NSIG_WORDS   (TARGET_NSIG / TARGET_NSIG_BPW)

/* this struct defines a stack used during syscall handling */
```

```
typedef struct target_sigaltstack {
  abi_long    ss_sp;
  abi_ulong   ss_size;
  abi_long    ss_flags;
} target_stack_t;

typedef struct {
  uint32_t __bits[TARGET_NSIG_WORDS];
} target_sigset_t

struct target_sigaction {
  abi_ulong   _sa_handler;
  int32_t     sa_flags;
  target_sigset_t sa_mask;
};

/* Compare to sys/siginfo.h */
typedef union target_sigval {
  int         sival_int;
  abi_ulong   sival_ptr;
} target_sigval_t;

struct target_ksiginfo {
  int32_t     _signo;
  int32_t     _code;
  int32_t     _errno;
#if TARGET_ABI_BITS == 64
  int32_t     _pad;
#endif
  union {
    struct {
      int32_t           _pid;
      int32_t
        _uid;
      target_sigval_t    _value;
    } _rt;

    struct {
      int32_t           _pid;
      int32_t           _uid;
      int32_t           _struct;
      /* clock_t         _utime; */
      /* clock_t         _stime; */
    } _child;

    struct {
      abi_ulong          _addr;
      int32_t           _trap;
```

```
    } _fault;

    struct {
      long              _band;
      int               _fd;
    } _poll;
  } _reason;
};

typedef union target_siginfo {
  int8_t     si_pad[128];
  struct     target_ksiginfo  _info;
} target_siginfo_t;

#define target_si_signo     _info._signo
#define target_si_code      _info._code
#define target_si_errno     _info._errno
#define target_si_addr      _info._reason._fault._addr

#define TARGET_SEGV_MAPERR  1
#define TARGET_SEGV_ACCERR  2

#define TARGET_TRAP_BRKPT   1
#define TARGET_TRAP_TRACE   2


#endif /* ! _TARGET_OS_SIGINFO_H_
 */
```

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*/

#ifndef _HOST_OS_H_
#define _HOST_OS_H_

#define HOST_DEFAULT_BSD_TYPE target_openbsd

#endif /*!_HOST_OS_H_ */
/*
*  mips sysarch() system call emulation
*
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#ifndef BSD_USER_ARCH_SYSARCH_H_
#define BSD_USER_ARCH_SYSARCH_H_

#include "target_syscall.h"
#include "target_arch.h"

static inline abi_long do_freebsd_arch_sysarch(CPUMIPSState *env, int op,
      abi_ulong parms)
{
  int ret = 0;

  switch (op)
 {
  case TARGET_MIPS_SET_TLS:
```

```
        target_cpu_set_tls(env, parms);
        break;

    case TARGET_MIPS_GET_TLS:
        if (put_user(target_cpu_get_tls(env), parms, abi_ulong)) {
            ret = -TARGET_EFAULT;
        }
        break;

    default:
        ret = -TARGET_EINVAL;
        break;
    }

    return ret;
}

static inline void do_freebsd_arch_print_sysarch(
        const struct syscallname *name, abi_long arg1, abi_long arg2,
        abi_long arg3, abi_long arg4, abi_long arg5, abi_long arg6)
{

    switch (arg1) {
    case TARGET_MIPS_SET_TLS:
        gemu_log("%s(SET_TLS, 0x" TARGET_ABI_FMT_lx ")", name->name, arg2);
        break;

    case TARGET_MIPS_GET_TLS:
        gemu_log("%s(GET_TLS, 0x" TARGET_ABI_FMT_lx ")", name->name, arg2);
        break;

    default:
        gemu_log("UNKNOWN OP: %d, " TARGET_ABI_FMT_lx ")", (int)arg1, arg2);
    }
}

#endif /*!BSD_USER_ARCH_SYSARCH_H_ */
```

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```
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*/

#ifndef _TARGET_ARCH_SIGTRAMP_H_
#define _TARGET_ARCH_SIGTRAMP_H_

static inline abi_long setup_sigtramp(abi_ulong offset, unsigned sigf_uc,
    unsigned sys_sigreturn)
```

```
{

  return 0;
}
#endif /* _TARGET_ARCH_SIGTRAMP_H_ */
/* $NetBSD: syscall.h,v 1.215 2008/06/17 16:07:57 tsutsui Exp $ */

/*
* System call numbers.
*
* created from NetBSD: syscalls.master,v 1.204 2008/06/17 16:05:23 tsutsui Exp
*/

#define TARGET_NETBSD_NR_syscall     0
#define TARGET_NETBSD_NR_exit        1
#define TARGET_NETBSD_NR_fork        2
#define TARGET_NETBSD_NR_read        3
#define TARGET_NETBSD_NR_write       4
#define TARGET_NETBSD_NR_open        5
#define TARGET_NETBSD_NR_close       6
#define TARGET_NETBSD_NR_wait4       7
#define TARGET_NETBSD_NR_compat_43_ocreat    8
#define TARGET_NETBSD_NR_link        9
#define TARGET_NETBSD_NR_unlink      10
#define TARGET_NETBSD_NR_chdir       12
#define TARGET_NETBSD_NR_fchdir      13
#define TARGET_NETBSD_NR_mknod       14
#define TARGET_NETBSD_NR_chmod       15
#define TARGET_NETBSD_NR_chown       16
#define TARGET_NETBSD_NR_break       17
#define TARGET_NETBSD_NR_compat_20_getfsstat 18
#define TARGET_NETBSD_NR_compat_43_olseek    19
#define TARGET_NETBSD_NR_getpid      20
#define
 TARGET_NETBSD_NR_getpid      20
#define TARGET_NETBSD_NR_compat_40_mount     21
#define TARGET_NETBSD_NR_unmount     22
#define TARGET_NETBSD_NR_setuid      23
#define TARGET_NETBSD_NR_getuid      24
#define TARGET_NETBSD_NR_getuid      24
#define TARGET_NETBSD_NR_geteuid     25
#define TARGET_NETBSD_NR_ptrace      26
#define TARGET_NETBSD_NR_recvmsg     27
#define TARGET_NETBSD_NR_sendmsg     28
#define TARGET_NETBSD_NR_recvfrom    29
#define TARGET_NETBSD_NR_accept      30
#define TARGET_NETBSD_NR_getpeername 31
#define TARGET_NETBSD_NR_getsockname 32
```

```
#define TARGET_NETBSD_NR_access      33
#define TARGET_NETBSD_NR_chflags     34
#define TARGET_NETBSD_NR_fchflags    35
#define TARGET_NETBSD_NR_sync        36
#define TARGET_NETBSD_NR_kill        37
#define TARGET_NETBSD_NR_compat_43_stat43    38
#define TARGET_NETBSD_NR_getppid     39
#define TARGET_NETBSD_NR_compat_43_lstat43   40
#define TARGET_NETBSD_NR_dup 41
#define TARGET_NETBSD_NR_pipe        42
#define TARGET_NETBSD_NR_getegid
    43
#define TARGET_NETBSD_NR_profil      44
#define TARGET_NETBSD_NR_ktrace      45
#define TARGET_NETBSD_NR_compat_13_sigaction13       46
#define TARGET_NETBSD_NR_getgid      47
#define TARGET_NETBSD_NR_getgid      47
#define TARGET_NETBSD_NR_compat_13_sigprocmask13     48
#define TARGET_NETBSD_NR___getlogin  49
#define TARGET_NETBSD_NR___setlogin  50
#define TARGET_NETBSD_NR_acct        51
#define TARGET_NETBSD_NR_compat_13_sigpending13      52
#define TARGET_NETBSD_NR_compat_13_sigaltstack13     53
#define TARGET_NETBSD_NR_ioctl       54
#define TARGET_NETBSD_NR_compat_12_oreboot   55
#define TARGET_NETBSD_NR_revoke      56
#define TARGET_NETBSD_NR_symlink     57
#define TARGET_NETBSD_NR_readlink    58
#define TARGET_NETBSD_NR_execve      59
#define TARGET_NETBSD_NR_umask       60
#define TARGET_NETBSD_NR_chroot      61
#define TARGET_NETBSD_NR_compat_43_fstat43   62
#define TARGET_NETBSD_NR_compat_43_ogetkerninfo      63
#define TARGET_NETBSD_NR_compat_43_ogetpagesize
  64
#define TARGET_NETBSD_NR_compat_12_msync     65
#define TARGET_NETBSD_NR_vfork       66
#define TARGET_NETBSD_NR_sbrk        69
#define TARGET_NETBSD_NR_sstk        70
#define TARGET_NETBSD_NR_compat_43_ommap     71
#define TARGET_NETBSD_NR_vadvise     72
#define TARGET_NETBSD_NR_munmap      73
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*/

#ifndef _TARGET_OS_STACK_H_
#define _TARGET_OS_STACK_H_

#include "target_arch_sigtramp.h"

static inline int setup_initial_stack(struct bsd_binprm *bprm, abi_ulong *p,
  abi_ulong *stringp)
{
  int i;
  abi_ulong stack_base;

```
  stack_base
 = (target_stkbas + target_stksiz) -
              MAX_ARG_PAGES * TARGET_PAGE_SIZE;
  if (p) {
     *p = stack_base;
  }
  if (stringp) {
     *stringp = stack_base;
  }

  for (i = 0; i < MAX_ARG_PAGES; i++) {
     if (bprm->page[i]) {
        info->rss++;
        if (!memcpy_to_target(stack_base, bprm->page[i],
                 TARGET_PAGE_SIZE)) {
           errno = EFAULT;
           return -1;
        }
        g_free(bprm->page[i]);
     }
     stack_base += TARGET_PAGE_SIZE;
  }

  return 0;
}

#endif /* !_TARGET_OS_STACK_H_ */
```

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```
TARGET_ARCH=x86_64
TARGET_BASE_ARCH=i386
TARGET_XML_FILES= gdb-xml/i386-64bit.xml
/*
*  x86_64 cpu init and loop
*
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*/

#ifndef _TARGET_ARCH_CPU_H_
#define _TARGET_ARCH_CPU_H_
```

```
#include "target_arch.h"

#define TARGET_DEFAULT_CPU_MODEL "qemu64"

static inline void target_cpu_init(CPUX86State *env,
      struct target_pt_regs *regs)
{
  uint64_t *gdt_table;

  env->cr[0] = CR0_PG_MASK | CR0_WP_MASK | CR0_PE_MASK;
   env->hflags |= HF_PE_MASK | HF_CPL_MASK;
  if (env->features[FEAT_1_EDX] & CPUID_SSE) {
     env->cr[4] |= CR4_OSFXSR_MASK;
     env->hflags |= HF_OSFXSR_MASK;
  }

  /* enable 64 bit mode if possible */
  if (!(env->features[FEAT_8000_0001_EDX] & CPUID_EXT2_LM)) {
     fprintf(stderr, "The selected x86 CPU does not support 64 bit mode\n");
     exit(1);
  }
  env->cr[4] |= CR4_PAE_MASK;
  env->efer |= MSR_EFER_LMA | MSR_EFER_LME;
  env->hflags |= HF_LMA_MASK;

  /* flags setup : we activate the IRQs by default as in user mode */
  env->eflags |= IF_MASK;

  /* register setup */
  env->regs[R_EAX] = regs->rax;
  env->regs[R_EBX] = regs->rbx;
  env->regs[R_ECX] = regs->rcx;
  env->regs[R_EDX] = regs->rdx;
  env->regs[R_ESI] = regs->rsi;
  env->regs[R_EDI] = regs->rdi;
  env->regs[R_EBP] = regs->rbp;
  env->regs[R_ESP] = regs->rsp;
  env->eip = regs->rip;

  /* interrupt setup */
  env->idt.limit = 511;

  env->idt.base = target_mmap(0,
 sizeof(uint64_t) * (env->idt.limit + 1),
     PROT_READ | PROT_WRITE, MAP_ANONYMOUS | MAP_PRIVATE, -1, 0);
  bsd_x86_64_set_idt_base(env->idt.base);
  bsd_x86_64_set_idt(0, 0);
  bsd_x86_64_set_idt(1, 0);
```

```
  bsd_x86_64_set_idt(2, 0);
  bsd_x86_64_set_idt(3, 3);
  bsd_x86_64_set_idt(4, 3);
  bsd_x86_64_set_idt(5, 0);
  bsd_x86_64_set_idt(6, 0);
  bsd_x86_64_set_idt(7, 0);
  bsd_x86_64_set_idt(8, 0);
  bsd_x86_64_set_idt(9, 0);
  bsd_x86_64_set_idt(10, 0);
  bsd_x86_64_set_idt(11, 0);
  bsd_x86_64_set_idt(12, 0);
  bsd_x86_64_set_idt(13, 0);
  bsd_x86_64_set_idt(14, 0);
  bsd_x86_64_set_idt(15, 0);
  bsd_x86_64_set_idt(16, 0);
  bsd_x86_64_set_idt(17, 0);
  bsd_x86_64_set_idt(18, 0);
  bsd_x86_64_set_idt(19, 0);
  bsd_x86_64_set_idt(0x80, 3);

  /* segment setup */
  env->gdt.base = target_mmap(0, sizeof(uint64_t) * TARGET_GDT_ENTRIES,
        PROT_READ | PROT_WRITE, MAP_ANONYMOUS | MAP_PRIVATE, -1, 0);
  env->gdt.limit =
 sizeof(uint64_t) * TARGET_GDT_ENTRIES - 1;
  gdt_table = g2h_untagged(env->gdt.base);

  /* 64 bit code segment */
  bsd_x86_64_write_dt(&gdt_table[__USER_CS >> 3], 0, 0xfffff,
        DESC_G_MASK | DESC_B_MASK | DESC_P_MASK | DESC_S_MASK | DESC_L_MASK
        | (3 << DESC_DPL_SHIFT) | (0xa << DESC_TYPE_SHIFT));

  bsd_x86_64_write_dt(&gdt_table[__USER_DS >> 3], 0, 0xfffff,
        DESC_G_MASK | DESC_B_MASK | DESC_P_MASK | DESC_S_MASK |
        (3 << DESC_DPL_SHIFT) | (0x2 << DESC_TYPE_SHIFT));

  cpu_x86_load_seg(env, R_CS, __USER_CS);
  cpu_x86_load_seg(env, R_SS, __USER_DS);
  cpu_x86_load_seg(env, R_DS, 0);
  cpu_x86_load_seg(env, R_ES, 0);
  cpu_x86_load_seg(env, R_FS, 0);
  cpu_x86_load_seg(env, R_GS, 0);
}

static inline void target_cpu_loop(CPUX86State *env)
{
  CPUState *cs = env_cpu(env);
  int trapnr;
```

```
abi_ulong pc;
/* target_siginfo_t info; */

for (;;) {
    cpu_exec_start(cs);
    trapnr = cpu_exec(cs);
    cpu_exec_end(cs);
     process_queued_cpu_work(cs);

    switch (trapnr) {
    case 0x80:
        /* syscall from int $0x80 */
        if (bsd_type == target_freebsd) {
            abi_ulong params = (abi_ulong) env->regs[R_ESP] +
                sizeof(int32_t);
            int32_t syscall_nr = env->regs[R_EAX];
            int32_t arg1, arg2, arg3, arg4, arg5, arg6, arg7, arg8;

            if (syscall_nr == TARGET_FREEBSD_NR_syscall) {
                get_user_s32(syscall_nr, params);
                params += sizeof(int32_t);
            } else if (syscall_nr == TARGET_FREEBSD_NR___syscall) {
                get_user_s32(syscall_nr, params);
                params += sizeof(int64_t);
            }
            get_user_s32(arg1, params);
            params += sizeof(int32_t);
            get_user_s32(arg2, params);
            params += sizeof(int32_t);
            get_user_s32(arg3, params);

    params += sizeof(int32_t);
            get_user_s32(arg4, params);
            params += sizeof(int32_t);
            get_user_s32(arg5, params);
            params += sizeof(int32_t);
            get_user_s32(arg6, params);
            params += sizeof(int32_t);
            get_user_s32(arg7, params);
            params += sizeof(int32_t);
            get_user_s32(arg8, params);
            env->regs[R_EAX] = do_freebsd_syscall(env,
                                        syscall_nr,
                                        arg1,
                                        arg2,
                                        arg3,
                                        arg4,
                                        arg5,
```

```
                                arg6,
                                arg7,

                arg8);
        } else { /* if (bsd_type == target_openbsd) */
            env->regs[R_EAX] = do_openbsd_syscall(env,
                                env->regs[R_EAX],
                                env->regs[R_EBX],
                                env->regs[R_ECX],
                                env->regs[R_EDX],
                                env->regs[R_ESI],
                                env->regs[R_EDI],
                                env->regs[R_EBP]);
        }
        if (((abi_ulong)env->regs[R_EAX]) >= (abi_ulong)(-515)) {
            env->regs[R_EAX] = -env->regs[R_EAX];
            env->eflags |= CC_C;
        } else {
            env->eflags &= ~CC_C;
        }
        break;

    case EXCP_SYSCALL:
        /* syscall from syscall instruction */
         if (bsd_type == target_freebsd) {
            env->regs[R_EAX] = do_freebsd_syscall(env,
                                env->regs[R_EAX],
                                env->regs[R_EDI],
                                env->regs[R_ESI],
                                env->regs[R_EDX],
                                env->regs[R_ECX],
                                env->regs[8],
                                env->regs[9], 0, 0);
        } else { /* if (bsd_type == target_openbsd) */
            env->regs[R_EAX] = do_openbsd_syscall(env,
                                env->regs[R_EAX],
                                env->regs[R_EDI],
                                env->regs[R_ESI],
                                env->regs[R_EDX],
                                 env->regs[10],
                                env->regs[8],
                                env->regs[9]);
        }
        env->eip = env->exception_next_eip;
        if (((abi_ulong)env->regs[R_EAX]) >= (abi_ulong)(-515)) {
            env->regs[R_EAX] = -env->regs[R_EAX];
            env->eflags |= CC_C;
        } else {
```

```
            env->eflags &= ~CC_C;
        }
        break;

    case EXCP_INTERRUPT:
        /* just indicate that signals should be handled asap */
        break;

    case EXCP_ATOMIC:
        cpu_exec_step_atomic(cs);
        break;

    default:
        pc = env->segs[R_CS].base + env->eip;
        fprintf(stderr, "qemu: 0x%08lx: unhandled CPU exception 0x%x - "
                "aborting\n", (long)pc, trapnr);
        abort();
    }
    process_pending_signals(env);
  }
}

static inline void target_cpu_clone_regs(CPUX86State *env, target_ulong newsp)
{
  if (newsp) {
    env->regs[R_ESP] = newsp;
  }
  env->regs[R_EAX] = 0;
}

static inline void target_cpu_reset(CPUArchState *cpu)
{
  cpu_reset(env_cpu(cpu));
}

#endif /* ! _TARGET_ARCH_CPU_H_ */
/*
*  i386 system call definitions
*
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*/
#ifndef TARGET_SYSCALL_H
#define TARGET_SYSCALL_H

/* default linux values for the selectors */
#define __USER_CS (0x23)
#define __USER_DS (0x2B)

struct target_pt_regs {
 long ebx;
 long ecx;
 long edx;
 long esi;
 long edi;
 long ebp;
 long eax;
 int  xds;
 int  xes;
 long orig_eax;
 long eip;
 int
  xcs;
 long eflags;
 long esp;
 int  xss;
};

/* ioctls */

#define TARGET_LDT_ENTRIES      8192
#define TARGET_LDT_ENTRY_SIZE 8

#define TARGET_GDT_ENTRIES             9
#define TARGET_GDT_ENTRY_TLS_ENTRIES   3
#define TARGET_GDT_ENTRY_TLS_MIN       6
#define TARGET_GDT_ENTRY_TLS_MAX       (TARGET_GDT_ENTRY_TLS_MIN +
TARGET_GDT_ENTRY_TLS_ENTRIES - 1)

struct target_modify_ldt_ldt_s {
  unsigned int  entry_number;
  abi_ulong base_addr;
  unsigned int limit;
  unsigned int flags;
};
```

```
/* vm86 defines */

#define TARGET_BIOSSEG  0x0f000

#define TARGET_CPU_086  0
#define TARGET_CPU_186  1
#define TARGET_CPU_286  2
#define TARGET_CPU_386  3
#define TARGET_CPU_486  4
#define TARGET_CPU_586  5

#define TARGET_VM86_SIGNAL 0 /* return due to signal */
#define TARGET_VM86_UNKNOWN 1 /* unhandled GP fault - IO-instruction or similar */
#define TARGET_VM86_INTx 2 /* int3/int x instruction (ARG = x) */
#define TARGET_VM86_STI 3 /* sti/popf/iret instruction enabled virtual interrupts */

/*
 * Additional return values when invoking new vm86()
*/
#define TARGET_VM86_PICRETURN 4 /* return due to pending PIC request */
#define TARGET_VM86_TRAP 6 /* return due to DOS-debugger request */

/*
* function codes when invoking new vm86()
*/
#define TARGET_VM86_PLUS_INSTALL_CHECK 0
#define TARGET_VM86_ENTER  1
#define TARGET_VM86_ENTER_NO_BYPASS 2
#define TARGET_VM86_REQUEST_IRQ 3
#define TARGET_VM86_FREE_IRQ  4
#define TARGET_VM86_GET_IRQ_BITS 5
#define TARGET_VM86_GET_AND_RESET_IRQ 6

/*
* This is the stack-layout seen by the user space program when we have
* done a translation of "SAVE_ALL" from vm86 mode. The real kernel layout
* is 'kernel_vm86_regs' (see below).
*/

struct target_vm86_regs {
/*
* normal regs, with special meaning for the segment descriptors..
*/
 abi_long ebx;
 abi_long ecx;
 abi_long edx;
 abi_long esi;
```

```
 abi_long edi;
 abi_long ebp;
 abi_long eax;
 abi_long __null_ds;
 abi_long __null_es;
 abi_long __null_fs;
 abi_long __null_gs;
 abi_long orig_eax;
 abi_long
 eip;
 unsigned short cs, __csh;
 abi_long eflags;
 abi_long esp;
 unsigned short ss, __ssh;
/*
* these are specific to v86 mode:
*/
 unsigned short es, __esh;
 unsigned short ds, __dsh;
 unsigned short fs, __fsh;
 unsigned short gs, __gsh;
};

struct target_revectored_struct {
 abi_ulong __map[8];   /* 256 bits */
};

struct target_vm86_struct {
 struct target_vm86_regs regs;
 abi_ulong flags;
 abi_ulong screen_bitmap;
 abi_ulong cpu_type;
 struct target_revectored_struct int_revectored;
 struct target_revectored_struct int21_revectored;
};

/*
* flags masks
*/
#define TARGET_VM86_SCREEN_BITMAP 0x0001

struct target_vm86plus_info_struct {
      abi_ulong flags;
#define TARGET_force_return_for_pic (1 << 0)
#define TARGET_vm86dbg_active       (1 << 1)  /* for debugger */
#define TARGET_vm86dbg_TFpendig     (1 << 2)  /* for debugger */
#define TARGET_is_vm86pus           (1 << 31) /* for vm86 internal use */
 unsigned char vm86dbg_intxxtab[32];   /* for debugger */
```

```
};

struct
 target_vm86plus_struct {
 struct target_vm86_regs regs;
 abi_ulong flags;
 abi_ulong screen_bitmap;
 abi_ulong cpu_type;
 struct target_revectored_struct int_revectored;
 struct target_revectored_struct int21_revectored;
 struct target_vm86plus_info_struct vm86plus;
};

/* FreeBSD sysarch(2) */
#define TARGET_FREEBSD_I386_GET_LDT 0
#define TARGET_FREEBSD_I386_SET_LDT 1
   /* I386_IOPL */
#define TARGET_FREEBSD_I386_GET_IOPERM 3
#define TARGET_FREEBSD_I386_SET_IOPERM 4
   /* xxxxx */
#define TARGET_FREEBSD_I386_VM86 6
#define TARGET_FREEBSD_I386_GET_FSBASE 7
#define TARGET_FREEBSD_I386_SET_FSBASE 8
#define TARGET_FREEBSD_I386_GET_GSBASE 9
#define TARGET_FREEBSD_I386_SET_GSBASE 10


#define UNAME_MACHINE "i386"
#define TARGET_HW_MACHINE UNAME_MACHINE
#define TARGET_HW_MACHINE_ARCH UNAME_MACHINE

#endif /* TARGET_SYSCALL_H */
```

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```
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*  OpenBSD setup_initial_stack() implementation.
*
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*/

#ifndef _TARGET_OS_STACK_H_
#define _TARGET_OS_STACK_H_

#include "target_arch_sigtramp.h"

static inline int setup_initial_stack(struct bsd_binprm *bprm, abi_ulong *p,
```

```
  abi_ulong *stringp)
{
  int i;
  abi_ulong stack_base;

  stack_base
 = (target_stkbas + target_stksiz) -
              MAX_ARG_PAGES * TARGET_PAGE_SIZE;
  if (p) {
     *p = stack_base;
  }
  if (stringp) {
     *stringp = stack_base;
  }

  for (i = 0; i < MAX_ARG_PAGES; i++) {
     if (bprm->page[i]) {
        info->rss++;
        if (!memcpy_to_target(stack_base, bprm->page[i],
                 TARGET_PAGE_SIZE)) {
           errno = EFAULT;
           return -1;
        }
        g_free(bprm->page[i]);
     }
     stack_base += TARGET_PAGE_SIZE;
  }

  return 0;
}

#endif /* !_TARGET_OS_STACK_H_ */
```

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define interfaces to U-Boot. Including these (unmodified) header
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-- Wolfgang Denk
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/*
* Intel x86 specific prototypes for bsd-user
*
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*/

#ifndef _TARGET_ARCH_H_
#define _TARGET_ARCH_H_

/* target_arch_cpu.c */

```
void bsd_i386_write_dt(void *ptr, unsigned long addr, unsigned long limit,
        int flags);
void bsd_i386_set_idt(int n, unsigned int dpl);
void bsd_i386_set_idt_base(uint64_t
 base);

#define target_cpu_set_tls(env, newtls)

#endif /* ! _TARGET_ARCH_H_ */
```

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THE SOFTWARE.
#ifndef _TARGET_OS_SIGNAL_H_
#define _TARGET_OS_SIGNAL_H_

/* FreeBSD's sys/ucontext.h defines this */
#define TARGET_MC_GET_CLEAR_RET 0x0001

#include "target_os_siginfo.h"
#include "target_arch_signal.h"

/* Compare to sys/signal.h */
#define TARGET_SIGHUP 1   /* hangup */
#define TARGET_SIGINT 2   /* interrupt */
#define TARGET_SIGQUIT 3   /* quit */
#define TARGET_SIGILL 4   /* illegal instruction (not reset when caught) */
#define TARGET_SIGTRAP 5   /* trace trap (not reset when caught) */
#define TARGET_SIGABRT 6   /* abort() */
#define TARGET_SIGIOT SIGABRT /* compatibility */
#define TARGET_SIGEMT 7   /* EMT instruction */
#define TARGET_SIGFPE 8   /* floating point exception */
#define TARGET_SIGKILL 9   /* kill (cannot be caught or ignored) */
#define TARGET_SIGBUS 10   /* bus error */
#define TARGET_SIGSEGV 11   /* segmentation violation */
#define TARGET_SIGSYS 12   /* bad argument to system call */
#define TARGET_SIGPIPE

```
 13     /* write on a pipe with no one to read it */
#define TARGET_SIGALRM 14      /* alarm clock */
#define TARGET_SIGTERM 15      /* software termination signal from kill */
#define TARGET_SIGURG  16      /* urgent condition on IO channel */
#define TARGET_SIGSTOP 17      /* sendable stop signal not from tty */
#define TARGET_SIGTSTP 18      /* stop signal from tty */
#define TARGET_SIGCONT 19      /* continue a stopped process */
#define TARGET_SIGCHLD 20      /* to parent on child stop or exit */
#define TARGET_SIGTTIN 21      /* to readers pgrp upon background tty read */
#define TARGET_SIGTTOU 22      /* like TTIN for output if(tp->t_local&LTOSTOP)*/
#define TARGET_SIGIO   23      /* input/output possible signal */
#define TARGET_SIGXCPU 24      /* exceeded CPU time limit */
#define TARGET_SIGXFSZ 25      /* exceeded file size limit */
#define TARGET_SIGVTALRM 26    /* virtual time alarm */
#define TARGET_SIGPROF 27      /* profiling time alarm */
#define TARGET_SIGWINCH 28
 /* window size changes */
#define TARGET_SIGINFO  29     /* information request */
#define TARGET_SIGUSR1 30      /* user defined signal 1 */
#define TARGET_SIGUSR2 31      /* user defined signal 2 */
#define TARGET_SIGTHR 32       /* reserved by thread library */
#define TARGET_SIGLWP SIGTHR   /* compatibility */
#define TARGET_SIGLIBRT 33     /* reserved by the real-time library */
#define TARGET_SIGRTMIN 65
#define TARGET_SIGRTMAX 126

/*
* Language spec says we must list exactly one parameter, even though we
* actually supply three.  Ugh!
*/
#define TARGET_SIG_DFL      ((abi_long)0)   /* default signal handling */
#define TARGET_SIG_IGN      ((abi_long)1)   /* ignore signal */
#define TARGET_SIG_ERR      ((abi_long)-1)  /* error return from signal */

#define TARGET_SA_ONSTACK   0x0001  /* take signal on signal stack */
#define TARGET_SA_RESTART   0x0002  /* restart system on signal return */
#define TARGET_SA_RESETHAND 0x0004  /* reset to SIG_DFL when taking signal */
#define TARGET_SA_NODEFER
  0x0010  /* don't mask the signal we're delivering */
#define TARGET_SA_NOCLDWAIT 0x0020  /* don't create zombies (assign to pid 1) */
#define TARGET_SA_USERTRAMP 0x0100  /* do not bounce off kernel's sigtramp */
#define TARGET_SA_NOCLDSTOP 0x0008  /* do not generate SIGCHLD on child stop */
#define TARGET_SA_SIGINFO   0x0040  /* generate siginfo_t */

/*
* Flags for sigprocmask:
*/
#define TARGET_SIG_BLOCK        1   /* block specified signal set */
```

```
#define TARGET_SIG_UNBLOCK      2   /* unblock specified signal set */
#define TARGET_SIG_SETMASK      3   /* set specified signal set */

#define TARGET_BADSIG           SIG_ERR

/*
* sigaltstack control
*/
#define TARGET_SS_ONSTACK 0x0001  /* take signals on alternate stack */
#define TARGET_SS_DISABLE 0x0004  /* disable taking signals on alternate stack*/

#endif /* !_TARGET_OS_SIGNAL_H_ */
```

This is the software license for Capstone disassembly framework.
Capstone has been designed & implemented by Nguyen Anh Quynh <aquynh@gmail.com>

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```
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*  FreeBSD amd64 register structures
*
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```

```
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*/

#ifndef _TARGET_ARCH_REG_H_
#define _TARGET_ARCH_REG_H_

/* See sys/amd64/include/reg.h */
typedef struct target_reg {
  uint64_t	r_r15;
  uint64_t	r_r14;
  uint64_t	r_r13;
  uint64_t	r_r12;
  uint64_t
      r_r11;
  uint64_t	r_r10;
  uint64_t	r_r9;
  uint64_t	r_r8;
  uint64_t	r_rdi;
  uint64_t	r_rsi;
  uint64_t	r_rbp;
  uint64_t	r_rbx;
  uint64_t	r_rdx;
  uint64_t	r_rcx;
  uint64_t	r_rax;
  uint32_t	r_trapno;
  uint16_t	r_fs;
  uint16_t	r_gs;
  uint32_t	r_err;
  uint16_t	r_es;
  uint16_t	r_ds;
  uint64_t	r_rip;
  uint64_t	r_cs;
  uint64_t	r_rflags;
  uint64_t	r_rsp;
  uint64_t	r_ss;
```

```
} target_reg_t;

typedef struct target_fpreg {
  uint64_t       fpr_env[4];
  uint8_t        fpr_acc[8][16];
  uint8_t        fpr_xacc[16][16];
  uint64_t       fpr_spare[12];
} target_fpreg_t;

static inline void target_copy_regs(target_reg_t *regs, const CPUX86State *env)
{

  regs->r_r15 = env->regs[15];
  regs->r_r14 = env->regs[14];
  regs->r_r13 = env->regs[13];
  regs->r_r12 = env->regs[12];
   regs->r_r11 = env->regs[11];
  regs->r_r10 = env->regs[10];
  regs->r_r9 = env->regs[9];
  regs->r_r8 = env->regs[8];
  regs->r_rdi = env->regs[R_EDI];
  regs->r_rsi = env->regs[R_ESI];
  regs->r_rbp = env->regs[R_EBP];
  regs->r_rbx = env->regs[R_EBX];
  regs->r_rdx = env->regs[R_EDX];
  regs->r_rcx = env->regs[R_ECX];
  regs->r_rax = env->regs[R_EAX];
  /* regs->r_trapno = env->regs[R_TRAPNO]; XXX */
  regs->r_fs = env->segs[R_FS].selector & 0xffff;
  regs->r_gs = env->segs[R_GS].selector & 0xffff;
  regs->r_err = env->error_code;  /* XXX ? */
  regs->r_es = env->segs[R_ES].selector & 0xffff;
  regs->r_ds = env->segs[R_DS].selector & 0xffff;
  regs->r_rip = env->eip;
  regs->r_cs = env->segs[R_CS].selector & 0xffff;
  regs->r_rflags = env->eflags;
  regs->r_rsp = env->regs[R_ESP];
  regs->r_ss = env->segs[R_SS].selector & 0xffff;
}

#endif /* !_TARGET_ARCH_REG_H_ */
#ifndef _TARGET_OS_SIGNAL_H_
#define _TARGET_OS_SIGNAL_H_

#include "target_os_siginfo.h"
#include "target_arch_signal.h"

#define TARGET_SIGHUP  1       /* hangup */
```

```
#define TARGET_SIGINT  2       /* interrupt */
#define TARGET_SIGQUIT 3       /* quit */
#define TARGET_SIGILL  4       /* illegal instruction (not reset when caught) */
#define TARGET_SIGTRAP 5       /* trace trap (not reset when caught) */
#define TARGET_SIGABRT 6       /* abort() */
#define TARGET_SIGIOT  SIGABRT /* compatibility */
#define TARGET_SIGEMT  7       /* EMT instruction */
#define TARGET_SIGFPE  8       /* floating point exception */
#define TARGET_SIGKILL 9       /* kill (cannot be caught or ignored) */
#define TARGET_SIGBUS  10      /* bus error */
#define TARGET_SIGSEGV 11      /* segmentation violation */
#define TARGET_SIGSYS  12      /* bad argument to system call */
#define TARGET_SIGPIPE 13      /* write on a pipe with no one to read it */
#define TARGET_SIGALRM 14      /* alarm clock */
#define TARGET_SIGTERM
 15      /* software termination signal from kill */
#define TARGET_SIGURG  16      /* urgent condition on IO channel */
#define TARGET_SIGSTOP 17      /* sendable stop signal not from tty */
#define TARGET_SIGTSTP 18      /* stop signal from tty */
#define TARGET_SIGCONT 19      /* continue a stopped process */
#define TARGET_SIGCHLD 20      /* to parent on child stop or exit */
#define TARGET_SIGTTIN 21      /* to readers pgrp upon background tty read */
#define TARGET_SIGTTOU 22      /* like TTIN for out if (tp->t_local&LTOSTOP) */
#define TARGET_SIGIO   23      /* input/output possible signal */
#define TARGET_SIGXCPU 24      /* exceeded CPU time limit */
#define TARGET_SIGXFSZ 25      /* exceeded file size limit */
#define TARGET_SIGVTALRM 26    /* virtual time alarm */
#define TARGET_SIGPROF   27    /* profiling time alarm */
#define TARGET_SIGWINCH  28    /* window size changes */
#define TARGET_SIGINFO   29    /* information request */
#define TARGET_SIGUSR1   30    /*
 user defined signal 1 */
#define TARGET_SIGUSR2   31    /* user defined signal 2 */

/*
* Language spec says we must list exactly one parameter, even though we
* actually supply three.  Ugh!
*/
#define TARGET_SIG_DFL         ((void (*)(int))0)
#define TARGET_SIG_IGN         ((void (*)(int))1)
#define TARGET_SIG_ERR         ((void (*)(int))-1)

#define TARGET_SA_ONSTACK   0x0001  /* take signal on signal stack */
#define TARGET_SA_RESTART   0x0002  /* restart system on signal return */
#define TARGET_SA_RESETHAND 0x0004  /* reset to SIG_DFL when taking signal */
#define TARGET_SA_NODEFER   0x0010  /* don't mask the signal we're delivering */
#define TARGET_SA_NOCLDWAIT 0x0020  /* don't create zombies (assign to pid 1) */
#define TARGET_SA_USERTRAMP 0x0100  /* do not bounce off kernel's sigtramp */
```

```
#define TARGET_SA_NOCLDSTOP 0x0008  /* do not generate SIGCHLD on child stop */
#define TARGET_SA_SIGINFO   0x0040  /* generate siginfo_t */

/*
* Flags for sigprocmask:
*/
#define TARGET_SIG_BLOCK
      1      /* block specified signal set */
#define TARGET_SIG_UNBLOCK     2       /* unblock specified signal set */
#define TARGET_SIG_SETMASK     3       /* set specified signal set */

#define TARGET_BADSIG       SIG_ERR

#define TARGET_SS_ONSTACK 0x0001 /* take signals on alternate stack */
#define TARGET_SS_DISABLE 0x0004 /* disable taking signals on alternate stack */

#endif /* !_TARGET_OS_SIGNAL_H_ */
```

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Version 3, 29 June 2007

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```
/*
*  x86_64 signal definitions
*
```

```
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*/
#ifndef _TARGET_ARCH_SIGNAL_H_
#define _TARGET_ARCH_SIGNAL_H_

#include "cpu.h"

/* Size of the signal trampolin code placed on the stack. */
#define TARGET_SZSIGCODE    0

/* compare to  x86/include/_limits.h */
#define TARGET_MINSIGSTKSZ  (512 * 4)             /* min sig stack size */
#define TARGET_SIGSTKSZ
    (MINSIGSTKSZ + 32768)   /* recommended size */

struct target_sigcontext {
  /* to be added */
};

typedef struct target_mcontext {
} target_mcontext_t;

typedef struct target_ucontext {
  target_sigset_t   uc_sigmask;
  target_mcontext_t uc_mcontext;
  abi_ulong         uc_link;
  target_stack_t    uc_stack;
  int32_t           uc_flags;
  int32_t         __spare__[4];
} target_ucontext_t;

struct target_sigframe {
  abi_ulong   sf_signum;
  abi_ulong   sf_siginfo;    /* code or pointer to sf_si */
  abi_ulong   sf_ucontext;   /* points to sf_uc */
  abi_ulong   sf_addr;       /* undocumented 4th arg */
```

```
  target_ucontext_t   sf_uc; /* = *sf_uncontext */
  target_siginfo_t    sf_si; /* = *sf_siginfo (SA_SIGINFO case)*/
  uint32_t    __spare__[2];
};

/*
* Compare to amd64/amd64/machdep.c sendsig()
* Assumes that target stack frame memory is locked.
*/
static inline abi_long set_sigtramp_args(CPUX86State *regs,
      int sig, struct target_sigframe
 *frame, abi_ulong frame_addr,
      struct target_sigaction *ka)
{
  /* XXX return -TARGET_EOPNOTSUPP; */
  return 0;
}

/* Compare to amd64/amd64/machdep.c get_mcontext() */
static inline abi_long get_mcontext(CPUX86State *regs,
            target_mcontext_t *mcp, int flags)
{
  /* XXX */
  return -TARGET_EOPNOTSUPP;
}

/* Compare to amd64/amd64/machdep.c set_mcontext() */
static inline abi_long set_mcontext(CPUX86State *regs,
      target_mcontext_t *mcp, int srflag)
{
  /* XXX */
  return -TARGET_EOPNOTSUPP;
}

static inline abi_long get_ucontext_sigreturn(CPUX86State *regs,
      abi_ulong target_sf, abi_ulong *target_uc)
{
  /* XXX */
  *target_uc = 0;
  return -TARGET_EOPNOTSUPP;
}

#endif /* !TARGET_ARCH_SIGNAL_H_ */
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*  mips64 system call definitions
*
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```

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*/
#ifndef _MIPS64_SYSCALL_H_
#define _MIPS64_SYSCALL_H_

/*
* struct target_pt_regs defines the way the registers are stored on the stack
* during a system call.
*/

struct target_pt_regs {
  /* Saved main processor registers. */
  abi_ulong regs[32];

  /* Saved special registers. */
  abi_ulong
 cp0_status;
  abi_ulong lo;
  abi_ulong hi;
  abi_ulong cp0_badvaddr;
  abi_ulong cp0_cause;
  abi_ulong cp0_epc;
};


#if defined(TARGET_WORDS_BIGENDIAN)
#define UNAME_MACHINE "mips64"
#else
#define UNAME_MACHINE "mips64el"
#endif

#define TARGET_HW_MACHINE       "mips"
#define TARGET_HW_MACHINE_ARCH  UNAME_MACHINE

/* sysarch() commands */
#define TARGET_MIPS_SET_TLS     1
#define TARGET_MIPS_GET_TLS     2
```

#endif /* !_MIPS64_SYSCALL_H_ */
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```
/*
*  i386 dependent signal definitions
*
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*/
#ifndef TARGET_ARCH_SIGNAL_H
#define TARGET_ARCH_SIGNAL_H

#include "cpu.h"

/* Size of the signal trampolin code placed on the stack. */
#define TARGET_SZSIGCODE    0

/* compare to  x86/include/_limits.h */
#define TARGET_MINSIGSTKSZ  (512 * 4)           /* min sig stack size */
```

```
#define TARGET_SIGSTKSZ
    (MINSIGSTKSZ + 32768)   /* recommended size */

struct target_sigcontext {
  /* to be added */
};

typedef struct target_mcontext {
} target_mcontext_t;

typedef struct target_ucontext {
  target_sigset_t   uc_sigmask;
  target_mcontext_t uc_mcontext;
  abi_ulong         uc_link;
  target_stack_t    uc_stack;
  int32_t           uc_flags;
  int32_t         __spare__[4];
} target_ucontext_t;

struct target_sigframe {
  abi_ulong   sf_signum;
  abi_ulong   sf_siginfo;    /* code or pointer to sf_si */
  abi_ulong   sf_ucontext;   /* points to sf_uc */
  abi_ulong   sf_addr;       /* undocumented 4th arg */
  target_ucontext_t   sf_uc; /* = *sf_uncontext */
  target_siginfo_t    sf_si; /* = *sf_siginfo (SA_SIGINFO case)*/
  uint32_t    __spare__[2];
};

/*
* Compare to i386/i386/machdep.c sendsig()
* Assumes that target stack frame memory is locked.
*/
static inline abi_long set_sigtramp_args(CPUX86State *regs,
      int sig, struct target_sigframe
 *frame, abi_ulong frame_addr,
      struct target_sigaction *ka)
{
  /* XXX return -TARGET_EOPNOTSUPP; */
  return 0;
}

/* Compare to i386/i386/machdep.c get_mcontext() */
static inline abi_long get_mcontext(CPUX86State *regs,
      target_mcontext_t *mcp, int flags)
{
  /* XXX */
  return -TARGET_EOPNOTSUPP;
```

```
}

/* Compare to i386/i386/machdep.c set_mcontext() */
static inline abi_long set_mcontext(CPUX86State *regs,
      target_mcontext_t *mcp, int srflag)
{
  /* XXX */
  return -TARGET_EOPNOTSUPP;
}

static inline abi_long get_ucontext_sigreturn(CPUX86State *regs,
                    abi_ulong target_sf, abi_ulong *target_uc)
{
  /* XXX */
  *target_uc = 0;
  return -TARGET_EOPNOTSUPP;
}

#endif /* TARGET_ARCH_SIGNAL_H */
/*
*  i386 VM parameters definitions
*
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*/
#ifndef _TARGET_ARCH_VMPARAM_H_
#define _TARGET_ARCH_VMPARAM_H_

#include "cpu.h"

/* compare to i386/include/vmparam.h */
#define TARGET_MAXTSIZ  (128 * MiB)           /* max text size */
#define TARGET_DFLDSIZ  (128 * MiB)           /* initial data size limit
 */
#define TARGET_MAXDSIZ  (512 * MiB)           /* max data size */
#define TARGET_DFLSSIZ  (8 * MiB)             /* initial stack size limit */
```

```
#define TARGET_MAXSSIZ  (64 * MiB)             /* max stack size */
#define TARGET_SGROWSIZ (128 * KiB)            /* amount to grow stack */

#define TARGET_RESERVED_VA 0xf7000000

#define TARGET_USRSTACK (0xbfc00000)

static inline abi_ulong get_sp_from_cpustate(CPUX86State *state)
{
  return state->regs[R_ESP];
}

static inline void set_second_rval(CPUX86State *state, abi_ulong retval2)
{
  state->regs[R_EDX] = retval2;
}

#endif /* !_TARGET_ARCH_VMPARAM_H_ */

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*/

#ifndef _TARGET_ARCH_H_
#define _TARGET_ARCH_H_

/* target_arch_cpu.c */
void bsd_x86_64_write_dt(void *ptr, unsigned long addr, unsigned long limit,
        int flags);
void bsd_x86_64_set_idt(int n, unsigned int dpl);
void bsd_x86_64_set_idt_base(uint64_t
 base);

#define target_cpu_set_tls(env, newtls)

#endif /* !_TARGET_ARCH_H_ */
```

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=======

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```
#ifndef BSD_USER_ARCH_SYSCALL_H_
#define BSD_USER_ARCH_SYSCALL_H_

struct target_pt_regs {
  abi_long uregs[17];
};

#define ARM_cpsr    uregs[16]
#define ARM_pc      uregs[15]
#define ARM_lr      uregs[14]
#define ARM_sp      uregs[13]
#define ARM_ip      uregs[12]
#define ARM_fp      uregs[11]
#define ARM_r10     uregs[10]
#define ARM_r9      uregs[9]
#define ARM_r8      uregs[8]
#define ARM_r7      uregs[7]
#define ARM_r6      uregs[6]
#define ARM_r5      uregs[5]
#define ARM_r4      uregs[4]
#define ARM_r3      uregs[3]
#define ARM_r2      uregs[2]
```

```
#define ARM_r1      uregs[1]
#define ARM_r0      uregs[0]

#define ARM_SYSCALL_BASE    0 /* XXX: FreeBSD only */

#define TARGET_FREEBSD_ARM_SYNC_ICACHE      0
#define TARGET_FREEBSD_ARM_DRAIN_WRITEBUF   1
#define TARGET_FREEBSD_ARM_SET_TP       2
#define TARGET_FREEBSD_ARM_GET_TP       3

#define TARGET_HW_MACHINE       "arm"
#define TARGET_HW_MACHINE_ARCH  "armv6"

#endif /* !BSD_USER_ARCH_SYSCALL_H_ */
```

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#ifndef _HOST_OS_H_
#define _HOST_OS_H_

#define HOST_DEFAULT_BSD_TYPE target_freebsd

#endif /*!_HOST_OS_H_ */
```

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```
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*  openbsd ELF definitions
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*/
#ifndef _TARGET_OS_ELF_H_
#define _TARGET_OS_ELF_H_

#include "target_arch_elf.h"
#include "elf.h"

/* this flag is uneffective under linux too, should be deleted */
#ifndef MAP_DENYWRITE
#define MAP_DENYWRITE 0
#endif

/* should probably go in elf.h */
#ifndef ELIBBAD
#define
 ELIBBAD 80
#endif

#ifndef ELF_PLATFORM
#define ELF_PLATFORM (NULL)
#endif

#ifndef ELF_HWCAP
#define ELF_HWCAP 0
#endif

#ifdef TARGET_ABI32
#undef ELF_CLASS
#define ELF_CLASS ELFCLASS32
#undef bswaptls
#define bswaptls(ptr) bswap32s(ptr)
#endif

/* max code+data+bss space allocated to elf interpreter */
#define INTERP_MAP_SIZE (32 * 1024 * 1024)

/* max code+data+bss+brk space allocated to ET_DYN executables */
#define ET_DYN_MAP_SIZE (128 * 1024 * 1024)

/* Necessary parameters */
#define TARGET_ELF_EXEC_PAGESIZE TARGET_PAGE_SIZE
#define TARGET_ELF_PAGESTART(_v) ((_v) & \
```

```
    ~(unsigned long)(TARGET_ELF_EXEC_PAGESIZE - 1))
#define TARGET_ELF_PAGEOFFSET(_v) ((_v) & (TARGET_ELF_EXEC_PAGESIZE - 1))

#define DLINFO_ITEMS 12

static abi_ulong target_create_elf_tables(abi_ulong p, int argc, int envc,
                                          abi_ulong stringp,
                                          struct elfhdr *exec,
                                          abi_ulong load_addr,
                                           abi_ulong load_bias,
                                          abi_ulong interp_load_addr,
                                          struct image_info *info)
{
    abi_ulong sp;
    int size;
    abi_ulong u_platform;
    const char *k_platform;
    const int n = sizeof(elf_addr_t);

    sp = p;
    u_platform = 0;
    k_platform = ELF_PLATFORM;
    if (k_platform) {
       size_t len = strlen(k_platform) + 1;
       sp -= (len + n - 1) & ~(n - 1);
       u_platform = sp;
       /* FIXME - check return value of memcpy_to_target() for failure */
       memcpy_to_target(sp, k_platform, len);
    }
    /*
     * Force 16 byte _final_ alignment here for generality.
     */
    sp = sp & ~(abi_ulong)15;
    size = (DLINFO_ITEMS + 1) * 2;
    if (k_platform) {
       size += 2;
    }
#ifdef DLINFO_ARCH_ITEMS
    size += DLINFO_ARCH_ITEMS *
 2;
#endif
    size += envc + argc + 2;
    size += 1;                    /* argc itself */
    size *= n;
    if (size & 15) {
       sp -= 16 - (size & 15);
    }
```

```
    /*
     * OpenBSD defines elf_addr_t as Elf32_Off / Elf64_Off
     */
#define NEW_AUX_ENT(id, val) do {               \
        sp -= n; put_user_ual(val, sp);     \
        sp -= n; put_user_ual(id, sp);      \
      } while (0)

    NEW_AUX_ENT(AT_NULL, 0);

    /* There must be exactly DLINFO_ITEMS entries here.  */
    NEW_AUX_ENT(AT_PHDR, (abi_ulong)(load_addr + exec->e_phoff));
    NEW_AUX_ENT(AT_PHENT, (abi_ulong)(sizeof(struct elf_phdr)));
    NEW_AUX_ENT(AT_PHNUM, (abi_ulong)(exec->e_phnum));
    NEW_AUX_ENT(AT_PAGESZ, (abi_ulong)(TARGET_PAGE_SIZE));
    NEW_AUX_ENT(AT_BASE, (abi_ulong)(interp_load_addr));
    NEW_AUX_ENT(AT_FLAGS, (abi_ulong)0);
    NEW_AUX_ENT(AT_ENTRY, load_bias + exec->e_entry);
    NEW_AUX_ENT(AT_UID,
 (abi_ulong)getuid());
    NEW_AUX_ENT(AT_EUID, (abi_ulong)geteuid());
    NEW_AUX_ENT(AT_GID, (abi_ulong)getgid());
    NEW_AUX_ENT(AT_EGID, (abi_ulong)getegid());
    NEW_AUX_ENT(AT_HWCAP, (abi_ulong)ELF_HWCAP);
    NEW_AUX_ENT(AT_CLKTCK, (abi_ulong)sysconf(_SC_CLK_TCK));
    if (k_platform) {
        NEW_AUX_ENT(AT_PLATFORM, u_platform);
    }
#ifdef ARCH_DLINFO
    /*
     * ARCH_DLINFO must come last so platform specific code can enforce
     * special alignment requirements on the AUXV if necessary (eg. PPC).
     */
    ARCH_DLINFO;
#endif
#undef NEW_AUX_ENT

    sp = loader_build_argptr(envc, argc, sp, stringp);
    return sp;
}

#endif /* _TARGET_OS_ELF_H_ */
/*
* Intel x86_64  sigcode for bsd-user
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*/

#ifndef _TARGET_ARCH_SIGTRAMP_H_
#define _TARGET_ARCH_SIGTRAMP_H_

static inline abi_long setup_sigtramp(abi_ulong offset, unsigned sigf_uc,
      unsigned sys_sigreturn)
{

  return 0;
}
#endif /* _TARGET_ARCH_SIGTRAMP_H_ */
/*
*  NetBSD thread dependent code and definitions
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*/

#ifndef _TARGET_OS_THREAD_H_
#define _TARGET_OS_THREAD_H_

#include "target_arch_thread.h"

#endif /* !_TARGET_OS_THREAD_H_ */
```

```
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#ifndef _HOST_OS_H_
#define _HOST_OS_H_

#define HOST_DEFAULT_BSD_TYPE target_netbsd

#endif /*!_HOST_OS_H_ */
/*
*  i386 thread support
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*/
#ifndef _TARGET_ARCH_THREAD_H_
#define _TARGET_ARCH_THREAD_H_

/* Compare to vm_machdep.c cpu_set_upcall_kse() */
static inline void target_thread_set_upcall(CPUX86State *regs, abi_ulong entry,
```

```
  abi_ulong arg, abi_ulong stack_base, abi_ulong stack_size)
{
  /* XXX */
}

static
 inline void target_thread_init(struct target_pt_regs *regs,
      struct image_info *infop)
{
  regs->esp = infop->start_stack;
  regs->eip = infop->entry;

  /*
   * SVR4/i386 ABI (pages 3-31, 3-32) says that when the program starts %edx
   * contains a pointer to a function which might be registered using
   * `atexit'.  This provides a mean for the dynamic linker to call DT_FINI
   * functions for shared libraries that have been loaded before the code
   * runs.
   *
   * A value of 0 tells we have no such handler.
   */
  regs->edx = 0;
}

#endif /* !_TARGET_ARCH_THREAD_H_ */
/*
*  sys/user.h definitions
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*/

#ifndef _TARGET_OS_USER_H_
#define _TARGET_OS_USER_H_

/*
```

```
* from sys/priority.h
*/
struct target_priority {
  uint8_t     pri_class;      /* Scheduling class. */
  uint8_t     pri_level;      /* Normal priority level. */
  uint8_t     pri_native;
    /* Priority before propogation. */
  uint8_t     pri_user;       /* User priority based on p_cpu and p_nice. */
};

/*
* sys/caprights.h
*/
#define TARGET_CAP_RIGHTS_VERSION  0

typedef struct target_cap_rights {
  uint64_t    cr_rights[TARGET_CAP_RIGHTS_VERSION + 2];
} target_cap_rights_t;

/*
* From sys/_socketaddr_storage.h
*
*/
#define TARGET_SS_MAXSIZE     128U
#define TARGET_SS_ALIGNSIZE   (sizeof(__int64_t))
#define TARGET_SS_PAD1SIZE    (TARGET_SS_ALIGNSIZE - sizeof(unsigned char) - \
      sizeof(uint8_t))
#define TARGET_SS_PAD2SIZE    (TARGET_SS_MAXSIZE - sizeof(unsigned char) - \
      sizeof(uint8_t) - TARGET_SS_PAD1SIZE - TARGET_SS_ALIGNSIZE)

struct target_sockaddr_storage {
  unsigned char   ss_len;         /* address length */
  uint8_t         ss_family;      /* address family */
  char            __ss_pad1[TARGET_SS_PAD1SIZE];
  __int64_t       __ss_align;     /* force desired struct alignment */
  char            __ss_pad2[TARGET_SS_PAD2SIZE];
};

/*
 * from sys/user.h
*/
#define TARGET_KI_NSPARE_INT       2
#define TARGET_KI_NSPARE_LONG      12
#define TARGET_KI_NSPARE_PTR       6

#define TARGET_WMESGLEN           8
#define TARGET_LOCKNAMELEN        8
#define TARGET_TDNAMLEN           16
```

```
#define TARGET_COMMLEN            19
#define TARGET_KI_EMULNAMELEN     16
#define TARGET_KI_NGROUPS         16
#define TARGET_LOGNAMELEN         17
#define TARGET_LOGINCLASSLEN      17

#define TARGET_KF_TYPE_NONE       0
#define TARGET_KF_TYPE_VNODE      1
#define TARGET_KF_TYPE_SOCKET     2
#define TARGET_KF_TYPE_PIPE       3
#define TARGET_KF_TYPE_FIFO       4
#define TARGET_KF_TYPE_KQUEUE     5
#define TARGET_KF_TYPE_CRYPTO     6
#define TARGET_KF_TYPE_MQUEUE     7
#define TARGET_KF_TYPE_SHM        8
#define TARGET_KF_TYPE_SEM        9
#define TARGET_KF_TYPE_PTS        10
#define TARGET_KF_TYPE_PROCDESC   11
#define TARGET_KF_TYPE_DEV        12
#define TARGET_KF_TYPE_UNKNOWN    255

struct
 target_kinfo_proc {
  int32_t    ki_structsize;     /* size of this structure */
  int32_t    ki_layout;         /* reserved: layout identifier */
  abi_ulong  ki_args;           /* address of command arguments */
  abi_ulong  ki_paddr;          /* address of proc */
  abi_ulong  ki_addr;           /* kernel virtual addr of u-area */
  abi_ulong  ki_tracep;         /* pointer to trace file */
  abi_ulong  ki_textvp;         /* pointer to executable file */
  abi_ulong  ki_fd;             /* pointer to open file info */
  abi_ulong  ki_vmspace;        /* pointer to kernel vmspace struct */
  abi_ulong  ki_wchan;          /* sleep address */
  int32_t    ki_pid;            /* Process identifier */
  int32_t    ki_ppid;           /* parent process id */
  int32_t    ki_pgid;           /* process group id */
  int32_t    ki_tpgid;          /* tty process group id */
  int32_t    ki_sid;            /* Process session ID
 */
  int32_t    ki_tsid;           /* Terminal session ID */
  int16_t    ki_jobc;           /* job control counter */
  int16_t    ki_spare_short1;   /* unused (just here for alignment) */
  int32_t    ki_tdev__freebsd11; /* controlling tty dev */
  target_sigset_t ki_siglist;   /* Signals arrived but not delivered */
  target_sigset_t ki_sigmask;   /* Current signal mask */
  target_sigset_t ki_sigignore; /* Signals being ignored */
  target_sigset_t ki_sigcatch;  /* Signals being caught by user */
```

```
  int32_t     ki_uid;           /* effective user id */
  int32_t     ki_ruid;          /* Real user id */
  int32_t     ki_svuid;         /* Saved effective user id */
  int32_t     ki_rgid;          /* Real group id */
  int32_t     ki_svgid;         /* Saved effective group id */
  int16_t     ki_ngroups;       /* number of groups */
  int16_t     ki_spare_short2;  /* unused (just here for alignment) */
  int32_t     ki_groups[TARGET_KI_NGROUPS];
 /* groups */

  abi_long    ki_size;          /* virtual size */

  abi_long    ki_rssize;        /* current resident set size in pages */
  abi_long    ki_swrss;         /* resident set size before last swap */
  abi_long    ki_tsize;         /* text size (pages) XXX */
  abi_long    ki_dsize;         /* data size (pages) XXX */
  abi_long    ki_ssize;         /* stack size (pages) */

  uint16_t    ki_xstat;         /* Exit status for wait & stop signal */
  uint16_t    ki_acflag;        /* Accounting flags */

  uint32_t    ki_pctcpu;        /* %cpu for process during ki_swtime */

  uint32_t    ki_estcpu;        /* Time averaged value of ki_cpticks */
  uint32_t    ki_slptime;       /* Time since last blocked */
  uint32_t    ki_swtime;        /* Time swapped in or out */
  uint32_t    ki_cow;           /* number of copy-on-write faults */
  uint64_t    ki_runtime;       /* Real time in microsec */


 struct  target_freebsd_timeval ki_start;  /* starting time */
  struct  target_freebsd_timeval ki_childtime; /* time used by process children */

  abi_long    ki_flag;          /* P_* flags */
  abi_long    ki_kiflag;        /* KI_* flags (below) */
  int32_t     ki_traceflag;     /* Kernel trace points */
  char        ki_stat;          /* S* process status */
  int8_t      ki_nice;          /* Process "nice" value */
  char        ki_lock;          /* Process lock (prevent swap) count */
  char        ki_rqindex;       /* Run queue index */
  u_char      ki_oncpu_old;     /* Which cpu we are on (legacy) */
  u_char      ki_lastcpu_old;   /* Last cpu we were on (legacy) */
  char        ki_tdname[TARGET_TDNAMLEN + 1];  /* thread name */
  char        ki_wmesg[TARGET_WMESGLEN + 1];   /* wchan message */
  char        ki_login[TARGET_LOGNAMELEN + 1]; /* setlogin name */
  char        ki_lockname[TARGET_LOCKNAMELEN + 1]; /* lock name */
```

```
 char       ki_comm[TARGET_COMMLEN + 1];     /* command name */
  char       ki_emul[TARGET_KI_EMULNAMELEN + 1];  /* emulation name */
  char       ki_loginclass[TARGET_LOGINCLASSLEN + 1]; /* login class */

  char       ki_sparestrings[50];    /* spare string space */
  int32_t    ki_spareints[TARGET_KI_NSPARE_INT]; /* spare room for growth */
  uint64_t ki_tdev;  /* controlling tty dev */
  int32_t    ki_oncpu;          /* Which cpu we are on */
  int32_t    ki_lastcpu;        /* Last cpu we were on */
  int32_t    ki_tracer;         /* Pid of tracing process */
  int32_t    ki_flag2;          /* P2_* flags */
  int32_t    ki_fibnum;         /* Default FIB number */
  uint32_t   ki_cr_flags;       /* Credential flags */
  int32_t    ki_jid;            /* Process jail ID */
  int32_t    ki_numthreads;     /* XXXKSE number of threads in total */

  int32_t    ki_tid;            /* XXXKSE thread id */

  struct  target_priority ki_pri;
 /* process priority */
  struct  target_freebsd_rusage ki_rusage;  /* process rusage statistics */
     /* XXX - most fields in ki_rusage_ch are not (yet) filled in */
  struct  target_freebsd_rusage ki_rusage_ch; /* rusage of children processes */



  abi_ulong   ki_pcb;            /* kernel virtual addr of pcb */
  abi_ulong   ki_kstack;         /* kernel virtual addr of stack */
  abi_ulong   ki_udata;          /* User convenience pointer */
  abi_ulong   ki_tdaddr;         /* address of thread */

  abi_ulong   ki_spareptrs[TARGET_KI_NSPARE_PTR];  /* spare room for growth */
  abi_long    ki_sparelongs[TARGET_KI_NSPARE_LONG];/* spare room for growth */
  abi_long    ki_sflag;          /* PS_* flags */
  abi_long    ki_tdflags;        /* XXXKSE kthread flag */
};

struct target_kinfo_file {
  int32_t  kf_structsize;  /* Variable size of record. */
  int32_t  kf_type;  /* Descriptor type. */
  int32_t  kf_fd;   /* Array index. */
  int32_t  kf_ref_count;
 /* Reference count. */
  int32_t  kf_flags;  /* Flags. */
  int32_t  kf_pad0;  /* Round to 64 bit alignment. */
  int64_t  kf_offset;  /* Seek location. */
  union {
     struct {
        uint32_t kf_spareint;
```

```
            /* Socket domain. */
            int  kf_sock_domain0;
            /* Socket type. */
            int  kf_sock_type0;
            /* Socket protocol. */
            int  kf_sock_protocol0;
            /* Socket address. */
            struct sockaddr_storage kf_sa_local;
            /* Peer address. */
            struct sockaddr_storage kf_sa_peer;
            /* Address of so_pcb. */
            uint64_t kf_sock_pcb;
            /* Address of inp_ppcb. */
            uint64_t kf_sock_inpcb;
            /* Address of unp_conn. */
            uint64_t kf_sock_unpconn;
            /* Send buffer state. */
            uint16_t kf_sock_snd_sb_state;
            /* Receive buffer state. */
            uint16_t kf_sock_rcv_sb_state;
            /*
Round to 64 bit alignment. */
            uint32_t kf_sock_pad0;
        } kf_sock;
        struct {
            /* Vnode type. */
            int  kf_file_type;
            /* Space for future use */
            int  kf_spareint[3];
            uint64_t kf_spareint64[30];
            /* Vnode filesystem id. */
            uint64_t kf_file_fsid;
            /* File device. */
            uint64_t kf_file_rdev;
            /* Global file id. */
            uint64_t kf_file_fileid;
            /* File size. */
            uint64_t kf_file_size;
            /* Vnode filesystem id, FreeBSD 11 compat. */
            uint32_t kf_file_fsid_freebsd11;
            /* File device, FreeBSD 11 compat. */
            uint32_t kf_file_rdev_freebsd11;
            /* File mode. */
            uint16_t kf_file_mode;
            /* Round to 64 bit alignment. */
            uint16_t kf_file_pad0;
            uint32_t kf_file_pad1;
        } kf_file;
```

```
        struct {
            uint32_t kf_spareint[4];
             uint64_t kf_spareint64[32];
            uint32_t kf_sem_value;
            uint16_t kf_sem_mode;
        } kf_sem;
        struct {
            uint32_t kf_spareint[4];
            uint64_t kf_spareint64[32];
            uint64_t kf_pipe_addr;
            uint64_t kf_pipe_peer;
            uint32_t kf_pipe_buffer_cnt;
            /* Round to 64 bit alignment. */
            uint32_t kf_pipe_pad0[3];
        } kf_pipe;
        struct {
            uint32_t kf_spareint[4];
            uint64_t kf_spareint64[32];
            uint32_t kf_pts_dev_freebsd11;
            uint32_t kf_pts_pad0;
            uint64_t kf_pts_dev;
            /* Round to 64 bit alignment. */
            uint32_t kf_pts_pad1[4];
        } kf_pts;
        struct {
            uint32_t kf_spareint[4];
            uint64_t kf_spareint64[32];
            int32_t  kf_pid;
        } kf_proc;
    } kf_un;
    uint16_t kf_status;  /* Status flags. */
    uint16_t kf_pad1;  /* Round to 32 bit alignment. */
    int32_t
   _kf_ispare0;  /* Space for more stuff. */
    target_cap_rights_t kf_cap_rights; /* Capability rights. */
    uint64_t _kf_cap_spare; /* Space for future cap_rights_t. */
    /* Truncated before copyout in sysctl */
    char  kf_path[PATH_MAX]; /* Path to file, if any. */
};

struct target_kinfo_vmentry {
    int32_t  kve_structsize;  /* Variable size of record. */
    int32_t  kve_type;   /* Type of map entry. */
    uint64_t kve_start;   /* Starting address. */
    uint64_t kve_end;   /* Finishing address. */
    uint64_t kve_offset;   /* Mapping offset in object */
    uint64_t kve_vn_fileid;   /* inode number if vnode */
    uint32_t kve_vn_fsid_freebsd11;  /* dev_t of vnode location */
```

```
  int32_t  kve_flags;   /* Flags on map entry. */
  int32_t  kve_resident;   /* Number of resident pages. */
  int32_t  kve_private_resident;  /* Number of private pages. */
  int32_t  kve_protection;  /* Protection bitmask. */
  int32_t  kve_ref_count;   /* VM obj ref count. */

 int32_t  kve_shadow_count;  /* VM obj shadow count. */
  int32_t  kve_vn_type;   /* Vnode type. */
  uint64_t kve_vn_size;   /* File size. */
  uint32_t kve_vn_rdev_freebsd11;  /* Device id if device. */
  uint16_t kve_vn_mode;   /* File mode. */
  uint16_t kve_status;   /* Status flags. */
#if (__FreeBSD_version >= 1300501 && __FreeBSD_version < 1400000) ||    \
  __FreeBSD_version >= 1400009
  union {
     uint64_t _kve_vn_fsid;  /* dev_t of vnode location */
     uint64_t _kve_obj;  /* handle of anon obj */
  } kve_type_spec;
#define kve_vn_fsid kve_type_spec._kve_vn_fsid
#define kve_obj  kve_type_spec._kve_obj
#else
  uint64_t kve_vn_fsid;   /* dev_t of vnode location */
#endif
  uint64_t kve_vn_rdev;   /* Device id if device. */
  int  _kve_ispare[8];  /* Space for more stuff. */
  /* Truncated before copyout in sysctl */
  char  kve_path[PATH_MAX];  /* Path to VM obj, if any. */
};

#endif /* ! _TARGET_OS_USER_H_ */
TARGET_ARCH=i386
TARGET_XML_FILES= gdb-xml/i386-32bit.xml
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John R. Hauser
2018 January 20

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* OpenBSD thread dependent code and definitions

```
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#ifndef _TARGET_OS_THREAD_H_
#define _TARGET_OS_THREAD_H_

#include "target_arch_thread.h"

#endif /* !_TARGET_OS_THREAD_H_ */
```

1.358 mdadm 4.2

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From strings/apr_strnatcmp.c,
include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.361 linux-kernel 5.15.155

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```
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
*  http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
```

```
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*     as needed. This means that data must always be copied to create
*     the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*     Fix is simple: make large buffers large enough to hold entire
*     SDU, and leave <small_buffer_data> bytes empty at the start. Then
*     copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*     buffers. This is done by 2 things:
*       1) skb->destructor / skb->atm.recycle_buffer
*            combined, allow nicstar_free_rx_skb to be called to
*            recycle large data buffers
*       2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*     details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*
*/
```

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1.362 grpc 1.53.2

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// This file contains a constant-time implementation of AES, bitsliced with
// AES steps are evaluated in bitsliced form, stored in an |AES_NOHW_BATCH|.
// This
 stores |AES_NOHW_BATCH_SIZE| blocks in bitsliced order. For 64-bit words
// containing bitsliced blocks a, b, c, d, this would be as follows (vertical
// Observe that the distances between corresponding bits in bitsliced and
// the bitsliced and compact representations may be converted by tranposing bits
// |aes_word_t| work equally for the bitsliced and compact words.
// specified, it is in bitsliced form.
// An AES_NOHW_SCHEDULE is an expanded bitsliced AES key schedule. It is
// |AES_NOHW_BATCH_SIZE| copies of the round key in bitsliced form.
// aes_nohw_transpose converts |batch| to and from bitsliced form. It divides

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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/hrss.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cpu-arm-linux.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/ec/scalar.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/gcd_extra.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/ec/felem.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/sha/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/hrss/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/md5/internal.h
*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bytestring/unicode.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/tls/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/div_extra.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cpu-aarch64-fuchsia.c
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*
/grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/random.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/ex_data.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/gcd.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/ostringstream.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/types/optional.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/str_format/output.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/types/bad_optional_access.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/seed_gen_exception.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/numbers.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/str_split_internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/charconv.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/dynamic_annotations.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/discrete_distribution.h
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 /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/casts.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/sysinfo.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/synchronization/internal/waiter.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/synchronization/internal/kernel_timeout.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/container/internal/hash_function_defaults.h

* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/internal/randen_traits.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/str_format/parser.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/cleanup/cleanup.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/cord_analysis.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/cord_analysis.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/strip.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/spinlock.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/functional/internal/any_invocable.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/unscaledcycleclock.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/beta_distribution.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/debugging/internal/address_is_readable.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/cord_rep_crc.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/internal/generate_real.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/debugging/internal/stacktrace_x86-inl.inc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/raw_logging.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/memutil.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/seed_sequences.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/internal/randen_engine.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/str_cat.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/debugging/internal/stacktrace_arm-inl.inc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/synchronization/internal/per_thread_sem.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/numeric/int128_no_intrinsic.inc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/hide_ptr.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/time/civil_time.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/hash/internal/hash.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/cordz_info.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/str_format/output.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/throw_delegate.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/crc/internal/non_temporal_arm_intrinsics.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/char_map.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/cycleclock_config.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/escaping.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/types/internal/optional.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/seed_sequences.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/endian.h

* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/synchronization/internal/graphcycles.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/str_format/arg.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/debugging/symbolize_darwin.inc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/time/clock.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/types/internal/variant.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/cord_rep_btree_reader.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/random.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/crc/internal/crc.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/synchronization/internal/per_thread_sem.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/spinlock_win32.inc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/cleanup/internal/cleanup.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/dynamic_annotations.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/hash/internal/city.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/internal/fast_uniform_bits.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/numeric/int128.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/unscaledcycleclock_config.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/strings/internal/stringify_sink.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/fast_type_id.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/abseil-cpp/absl/random/seed_gen_exception.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_transcript.cc
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/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/json_encode.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/json_encode.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/map.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/map.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/message_value.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/mini_table.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/mini_table.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/mini_table.hpp/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/msg.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/msg.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/msg_internal.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/port_def.inc/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/port_undef.inc/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/reflection.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/reflection.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/reflection.hpp//

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/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/status.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/status.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/table.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/table_internal.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/text_encode.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/text_encode.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/upb.c/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/upb.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/upb.hpp//
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/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/xxhash/xxhash.h/*
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/adler32.c/*
adler32.c -- compute the Adler-32 checksum of a data stream
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/compress.c/*
compress.c -- compress a memory buffer
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/crc32.c/*
crc32.c -- compute the CRC-32 of a data stream
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/deflate.c/*
deflate.c -- compress data using the deflation algorithm
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/deflate.h/*
deflate.h -- internal compression state
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/gzclose.c/*
gzclose.c -- zlib gzclose() function
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/gzguts.h/*
gzguts.h -- zlib internal header definitions for gz* operations
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/gzlib.c/*
gzlib.c -- zlib functions common to reading and writing gzip files
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/gzread.c/*
gzread.c -- zlib functions for reading gzip files
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/gzwrite.c/*
gzwrite.c -- zlib functions for writing gzip files
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/infback.c/*
infback.c -- inflate using a call-back interface
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/inffast.c/*
inffast.c -- fast decoding
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/inffast.h/*
inffast.h -- header to use inffast.c
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/inflate.c/*
inflate.c -- zlib decompression
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/inflate.h/*
inflate.h -- internal inflate state definition
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/inftrees.c/*
inftrees.c -- generate Huffman trees for efficient decoding
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/inftrees.h/*

inftrees.h -- header to use inftrees.c
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/trees.c/* trees.c -- output deflated data using Huffman coding
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/uncompr.c/* uncompr.c -- decompress a memory buffer
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/zconf.h/* zconf.h -- configuration of the zlib compression library
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/zlib.h/* zlib.h -- interface of the 'zlib' general purpose compression library
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/zutil.c/* zutil.c -- target dependent utility functions for the compression library
/opt/cola/permits/2634184782_1759119893.3114762/0/grpc-1-53-2-gem/data-tar-gz/third_party/zlib/zutil.h/* zutil.h -- internal interface and configuration of the compression library

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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_lib.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/cares/cares/src/lib/ares_freeaddrinfo.c
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* /grpc-1-53-2-gem/data-tar-gz/include/grpc/slice_buffer.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/atm_gcc_sync.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/sync_windows.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/status.h
*

/grpc-1-53-2-gem/data-tar-gz/include/grpc/byte_buffer_reader.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/slice_type.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/byte_buffer_reader.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/sync_generic.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_channel.c
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/sync_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_byte_buffer.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/atm_gcc_atomic.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/log.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_byte_buffer.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_channel_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/log_windows.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/grpc_types.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/atm.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_call.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/atm.h
*
/grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_channel_credentials.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_completion_queue.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_server_credentials.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_server.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_completion_queue.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/port_platform.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/sync_windows.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_server_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_compression_options.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/atm_gcc_sync.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/grpc_types.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_call_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/sync_posix.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/cpu.h
*
/grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_grpc.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/byte_buffer.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/alloc.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/atm_windows.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_grpc.c
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/slice.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/atm_windows.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/status.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/string_util.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_compression_options.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_call_credentials.c
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/compression.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/sync_generic.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_call.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_channel_args.h
*

/grpc-1-53-2-gem/data-tar-gz/include/grpc/support/sync.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/port_platform.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/log.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/impl/codegen/slice.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/workaround_list.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/byte_buffer.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_server.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/time.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/support/atm_gcc_atomic.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_channel_args.c
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/grpc_security.h
No license file was found, but licenses were detected in source scan.

```
/*
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* limitations under the License.
*
*/
```

Found in path(s):
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_xds_server_credentials.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_xds_channel_credentials.c
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_xds_channel_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/ext/grpc/rb_xds_server_credentials.h
No license file was found, but licenses were detected in source scan.

```
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// you may not use this file except in compliance with the License.
// You may obtain a copy of the License at
//     http://www.apache.org/licenses/LICENSE-2.0
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```

Found in path(s):
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/backend_metric.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl/key_logging/ssl_key_logging.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iomgr.h

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/resolve_address_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl_transport_security.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/transport_security_grpc.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channelz_registry.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/frame_protector/alts_record_protocol_crypter_common.cc
*
 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resolver/server_address.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/alts/check_gcp_environment.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/slice/percent_encoding.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/local_subchannel_pool.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_resource_type_impl.h
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/event_engine/endpoint_config.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/thread_local.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/http/server/http_server_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/load_system_roots_fallback.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/crash.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/time_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/ssl_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/posix_engine.h
*
 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/sleep.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl_transport_security_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/local/local_security_connector.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/status_helper.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/http/parser.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/security_connector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/global_config_env.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_client_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/server/chttp2_server.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/loop.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/api.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/zero_copy_frame_protector/alts_iovec_record_protocol.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_utils_linux.cc
*
 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/context.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/trace.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/error.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/grpc_if_nametoindex.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/alloc.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/stateful_session/stateful_session_service_config_parser.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/systemd_utils.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/exec_ctx_wakeup_scheduler.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/client_load_reporting_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/try_join.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/ring_hash/ring_hash.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_call_state_internal.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/tcp_socket_utils.h
*

/grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/call_combiner.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/local_transport_security.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iomgr_internal.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_client_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/frame_protector/alts_record_protocol_crypter_common.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/frame_protector/alts_counter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/forkable.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/event_string.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/histogram_view.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/load_balancing/lb_policy_factory.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/frame_protector/frame_handler.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/time_averaged_stats.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/common_closures.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/transport_security_interface.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/completion_queue_factory.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/wrap_memcpy.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/json/json.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_mutator.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/handshaker/alts_shared_resource.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/tcp_socket_utils.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/poller.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/dns/c_ares/grpc_ares_ev_driver.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/oauth2/oauth2_credentials.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/google_default/google_default_credentials.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/config/core_configuration.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/thd_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/internal_errqueue.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/backoff/random_early_detection.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/client/chttp2_connector.cc
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/grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/http_trace.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/ring_hash/ring_hash.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/posix_engine_closure.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/load_file.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/json/json_reader.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/http/client_authority_filter.h

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/ssl/ssl_security_connector.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/matchers/matchers.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl_transport_security.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/thread_pool.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/certificate_provider/certificate_provider_registry.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/mpscq.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_bootstrap_grpc.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/evaluate_args.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/channel_init.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/status_helper.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/subchannel_interface_internal.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/backend_metrics/backend_metric_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/default_event_engine_factory.h
*
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/tls_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/pollset_set.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_transport_grpc.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/ev_poll_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/stateful_session/stateful_session_service_config_parser.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/channel_args_endpoint_config.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/systemd_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_bootstrap_grpc.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resolver/resolver.h
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/grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_client_stats.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/utils.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/load_system_roots_supported.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/completion_queue.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_client_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/http/format_request.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/buffer_list.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_client_grpc.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/resolved_address_internal.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/backup_poller.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_settings.h
* /grpc-1-53-2-gem/data-tar-
gz/src/core/tsi/alts/zero_copy_frame_protector/alts_grpc_integrity_only_record_protocol.cc

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/grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/gethostname_fallback.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/parsed_metadata.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/transport/auth_filters.h
* /grpc-1-53-2-gem/data-tar-
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/http/client/http_client_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/resolved_address.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/subchannel.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/posix_engine_listener_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/lockfree_event.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/call_test_only.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/completion_queue_factory.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/ruby/spec/pb/codegen/grpc/testing/same_package_service_name.proto
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/transport_security.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/activity.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/ssl/ssl_security_connector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/parsed_metadata.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/interceptor_list.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/alts/grpc_alts_credentials_client_options.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/tls_utils.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_http_fault_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_channel_stack_modifier.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/dns/c_ares/grpc_ares_wrapper_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/http/message_compress/compression_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/matchers.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/endpoint_cfstream.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/dualstack_socket_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/time.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/gethostname.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl/session_cache/ssl_session_openssl.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/plugin/plugin_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/context/security_context.cc

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/matchers/matchers.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/time_averaged_stats.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/server/chttp2_server.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_args.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/transport_fwd.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_stack.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/stats_data.cc
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/grpc-1-53-2-gem/data-tar-gz/src/core/lib/json/json_object_loader.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/external/file_external_account_credentials.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl/session_cache/ssl_session.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/global_config_custom.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_client_stats.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iomgr_fwd.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/error_cfstream.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/activity.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/dns/c_ares/dns_resolver_ares.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/xds/xds_credentials.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/message_size/message_size_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/log_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/channel_idle/idle_filter_state.h
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/grpc-1-53-2-gem/data-tar-gz/src/core/lib/experiments/experiments.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_route_config.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/slice/slice_internal.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/decode_huff.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/server.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/periodic_update.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/rbac_policy.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/child_policy_handler.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/channel_creds_registry.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/load_balancing/lb_policy.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/server_config_selector/server_config_selector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/retry_service_config.h
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/grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/client_channel_factory.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/hpack_encoder.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/census/grpc_context.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/try_seq.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/certificate_provider/certificate_provider_registry.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iomgr_internal.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/connectivity_state.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/bdp_estimator.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/env_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/load_system_roots_supported.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/oob_backend_metric.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/load_balancing/lb_policy_registry.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/windows/win_socket.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_health_status.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/posix_engine.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/transport/client_auth_filter.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/compression/compression_internal.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/call.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/builtins.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/polling_resolver.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/status_util.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_lb_policy_registry.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/error.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/compression/compression.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/stat_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/resolve_address.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/sockaddr_windows.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_ping.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/validate_metadata.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/pid_controller.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/stat_windows.cc
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/json/json_channel_args.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/oauth2/oauth2_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_trace.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/service_config/service_config_parser.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/client_channel_plugin.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/xds/xds_cluster_resolver.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/timer.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/retry_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/polling_entity.h

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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/host_port.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/resolve_address_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/alts/check_gcp_environment.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/executor.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/zero_copy_frame_protector/alts_grpc_record_protocol.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/experiments/experiments.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/rbac/rbac_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/event_log.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_utils_common_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/http/httpcli.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/event_poller_posix_default.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/arena.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/channel_ping.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/connectivity_state.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/chttp2_transport.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/rbac_policy.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/slice/slice_refcount.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_trace.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/alts/grpc_alts_credentials_options.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/hpack_encoder_table.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/handle_containers.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/sockaddr_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/buffer_list.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/channel_init.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/resolved_address.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/compression/message_compress.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/windows/windows_endpoint.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_endpoint.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/fault_injection/fault_injection_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/service_config/service_config_impl.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/ssl/ssl_credentials.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/alts/grpc_alts_credentials_server_options.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_stack_builder_impl.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/posix_endpoint.cc

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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/lockfree_event.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/local_transport_security.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/external/aws_request_signer.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_certificate_provider.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/weighted_target/weighted_target.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/binder/binder_resolver.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/insecure/insecure_security_connector.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iocp_windows.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/endpoint.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/ev_poll_posix.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/event_engine_shims/tcp_client.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/external/external_account_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/fake/fake_credentials.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_utils.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/pollset.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/alts/check_gcp_environment_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/wakeup_fd_eventfd.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/time_precise.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/parsing.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/backend_metric_data.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/closure.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_args_preconditioning.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_cluster_specifier_plugin.cc

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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/status_conversion.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/http/format_request.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/exec_ctx.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/event_engine_shims/closure.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/thd.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/string_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/load_file.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_goaway.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/slice/percent_encoding.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/crypt/gsec.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/transport/tsi_error.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/global_config_env.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/resolve_address_impl.h
*
 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/local/local_credentials.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/address_utils/sockaddr_utils.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_bootstrap.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/event_log.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/combiner.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/event_string.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/outlier_detection/outlier_detection.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/client_channel_service_config.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/child_policy_handler.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/context.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/timer.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/handshaker/proxy_mapper.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resolver/resolver_registry.cc
*
 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/external/url_external_account_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/sleep.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_fwd.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/local/local_security_connector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iomgr_posix_cfstream.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/byte_buffer.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/resolve_address_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/trace.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/rbac/rbac_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/fake/fake_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/global_config.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/wakeup_fd_posix_default.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/time_util.cc
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/pipe.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/fake_transport_security.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/grpclb_client_stats.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/xds/xds_credentials.h

* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/oob_backend_metric_internal.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/validate_metadata.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/tls/tls_security_connector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/examine_stack.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/tmpfile_msys.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/http_connect_handshaker.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/hpack_parser_table.cc
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/grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/grpclb_balancer_addresses.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/packed_table.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/json/json_writer.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/http/httpcli_security_connector.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_utils_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/windows/iocp.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iomgr.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/grpc_if_nametoindex_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/retry_throttle.cc
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/grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl/session_cache/ssl_session_cache.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/event_engine_shims/endpoint.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/service_config/service_config.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_apple.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iomgr_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/transport.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_client.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/jwt/jwt_credentials.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/windows/windows_engine.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/gethostname_host_name_max.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/channel_idle/idle_filter_state.cc
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/grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/inproc/inproc_transport.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_cluster.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/http/httpcli_ssl_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_certificate_provider.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/util/json_util.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/client_channel.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/subchannel_stream_client.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/composite/composite_credentials.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_data.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/timer_manager.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/stats_data.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/sockaddr.h

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/compression/message_compress.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/atomic_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/unique_type_name.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/inproc/inproc_transport.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/event_poller_posix_default.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/service_config/service_config_call_data.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/stateful_session/stateful_session_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_server_utils_posix_ifaddrs.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/channel_idle/channel_idle_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/external/file_external_account_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_poll_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/handshaker/proxy_mapper_registry.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_server_utils_posix.h
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 /grpc-1-53-2-gem/data-tar-gz/include/grpc/event_engine/event_engine.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/dns/c_ares/grpc_ares_ev_driver_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/compression/compression_internal.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/unix_sockets_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/detail/promise_factory.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resolver/resolver_registry.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/wakeup_fd_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/transport.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/client_channel.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/handshaker/alts_handshaker_client.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/tcp_socket_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/wakeup_fd_pipe.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/retry_filter.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/backend_metrics/backend_metric_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/handshaker_registry.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/resource_quota.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/detail/status.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/subchannel_pool_interface.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/chttp2_transport.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/fork_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/composite/composite_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/resolve_address_windows.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/endpoint_pair_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/insecure/insecure_security_connector.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/client_load_reporting_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/sockaddr/sockaddr_resolver.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/wakeup_fd_pipe.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/transport/server_auth_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/grpc_if_nametoindex_unsupported.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/flow_control.h

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/trace.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/port.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/external/aws_external_account_credentials.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/handshaker.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_factory_posix.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/server_config_selector/server_config_selector_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/google_default/credentials_generic.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_utils_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/if.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/pollset_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/windows/win_socket.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/string.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/string_util_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_rst_stream.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/trace.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/ssl_utils_config.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/grpc_authorization_engine.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/deadline/deadline_filter.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/json/json_object_loader.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/writing.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/file_watcher_certificate_provider_factory.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/bin_decoder.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/hpack_encoder_table.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/thd_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/grpc_tls_certificate_distributor.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/subchannel_stream_client.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/pollset.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/resource_quota.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/load_system_roots.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/ref_counted.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/load_balancer_api.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/wakeup_fd_pipe.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/http_connect_handshaker.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/unix_sockets_posix_noop.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/timer_heap.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iocp_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_args_preconditioning.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_poll_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/ssl_utils_config.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/bin_encoder.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/time_util.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/client_channel_service_config.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/deadline/deadline_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/endpoint_pair.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resolver/server_address.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/jwt/json_token.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/certificate_provider_store.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/rbac/rbac_service_config_parser.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_routing.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/cfstream_handle.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/tls/tls_security_connector.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/windows/windows_engine.cc
* /grpc-1-53-2-gem/data-tar-
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* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl/key_logging/ssl_key_logging.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/grpclb.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_routing.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_client_cfstream.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/health/health_check_client.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/alts/alts_security_connector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/wakeup_fd_pipe.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/stat.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/huffsyms.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/http/message_compress/compression_filter.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_common_types.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/transport/secure_endpoint.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/posix_engine_listener.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/endpoint.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/rls/rls.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/hpack_constants.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/single_set_ptr.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/grpc_server_authz_filter.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/authorization_policy_provider.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/slice/slice_refcount.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/handshaker/transport_security_common_api.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/fault_injection/fault_injection_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/xds/xds_cluster_impl.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/hpack_parser.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/pollset_windows.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/error_cfstream.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/time_util.h

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/closure.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/grpc_tls_certificate_distributor.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_apple.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/event_poller.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/fake/fake_security_connector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/tcp_connect_handshaker.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_server_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/no_destruct.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/matchers.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/dynamic_filters.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/tls_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_epoll1_linux.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/manual_constructor.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/dual_ref_counted.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/wakeup_fd_eventfd.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/stream_lists.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/alloc.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/error_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl_transport_security_utils.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/slice/b64.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/timer_generic.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_server_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/transport/security_handshaker.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/client_channel_channelz.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/json/json_args.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/http_proxy.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/server_config_selector/server_config_selector_filter.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_stack.cc

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/cpu_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/useful.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/file_watcher_certificate_provider_factory.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/sync.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/detail/basic_join.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/exec_ctx.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/sync_abseil.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/retry_throttle.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/grpc_tls_certificate_verifier.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/pid_controller.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/call_trace.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_data.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/handshaker_registry.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/stats.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/time_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/cpu_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/tcp_windows.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/timer_heap.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/log_linux.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/dns/c_ares/grpc_ares_wrapper.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_args.cc

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/call_details.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/timeout_encoding.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/dns/c_ares/grpc_ares_ev_driver_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/latch.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/ssl/ssl_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/tmpfile_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/frame_protector/alts_crypter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/ev_epoll1_linux.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/http/client/http_client_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/fake/fake_resolver.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_endpoint.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/thread_quota.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/error_utils.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/http/client_authority_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/pollset_set_windows.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/xds/cds.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/grpc_tls_certificate_provider.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/insecure/insecure_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/default_event_engine.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/call_finalization.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/status_conversion.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/sync.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_health_status.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/outlier_detection/outlier_detection.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/security_connector.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/channel.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/transport/secure_endpoint.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/call_trace.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/json/json_util.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/endpoint_pair_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/metadata_array.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/stream_map.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/fork_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/sockaddr_utils_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/alts/alts_credentials.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/chunked_vector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/examine_stack.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/env_linux.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/match.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/evaluate_args.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/http2_errors.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/alpn/alpn.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/call_log_batch.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/overload.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl/session_cache/ssl_session_cache.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/backend_metrics/backend_metric_provider.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/strerror.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/fault_injection/fault_injection_service_config_parser.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/call_tracer.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/internal_errqueue.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/work_serializer.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/timer_heap.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/metadata_batch.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_windows.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/handshaker/proxy_mapper_registry.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/per_cpu.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/combiner.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/alts/alts_security_connector.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/ev_epoll1_linux.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_lb_policy_registry.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_api.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/windows/iocp.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/zero_copy_frame_protector/alts_zero_copy_grpc_protector.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/credentials.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/map.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/spinlock.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/lockfree_event.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/varint.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/sync_windows.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channel_stack_builder.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_transport.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/thread_pool.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/handshaker/alts_tsi_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/socket_factory_posix.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/bin_encoder.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/mpscq.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/wakeup_fd_posix.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/grpc_tls_certificate_verifier.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/grpclb_client_stats.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/tchar.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl_types.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/handshaker/alts_tsi_handshaker_private.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_http_fault_filter.cc

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/channelz.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/channel_stack_type.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_bootstrap.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_common_types.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/init.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/authorization/grpc_authorization_engine.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/grpc_tls_credentials_options.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/iomgr_windows.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/thread_quota.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/ev_epoll1_linux.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/time_util.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/slice/slice_string_helpers.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/frame_protector/alts_seal_privacy_integrity_crypter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/detail/switch.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/timer_heap.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/lame_client.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/handshaker/alts_shared_resource.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/slice/slice_buffer.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/util/json_util.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/zero_copy_frame_protector/alts_grpc_record_protocol_common.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/timer.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_client.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/handshaker/alts_tsi_handshaker.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/init.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/grpclb_balancer_addresses.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/resolve_address.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/surface/lame_client.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_ping.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/dns/dns_resolver_selection.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/crash.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_channel_stack_modifier.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/tls/grpc_tls_credentials_options.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/notification.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/address_utils/parse_address.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/python_util.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/detail/promise_like.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/event_engine.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/memory_quota.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/debug/stats.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/event_engine_shims/tcp_client.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/upb_utils.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/validation_errors.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/poll.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/zero_copy_frame_protector/alts_grpc_record_protocol_common.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/global_subchannel_pool.h
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/grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/thread_local.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/debug_location.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/address_filtering.h

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/posix_engine_listener.h
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* /grpc-1-53-2-gem/data-tar-gz/include/grpc/event_engine/memory_request.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/tmpfile_posix.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/traced_buffer_list.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/fork.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/global_config_generic.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/security_connector/fake/fake_security_connector.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/xds/xds_http_rbac_filter.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/cpu_linux.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/sorted_pack.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/xds/xds_resolver.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/call_combiner.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resolver/resolver.cc
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/spec/pb/codegen/grpc/testing/package_options.proto
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* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/http2_settings.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/client_channel_channelz.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/host_port.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/nameser.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/transport/timeout_encoding.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/http/http_filters_plugin.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/fork.cc
* /grpc-1-53-2-gem/data-tar-gz/include/grpc/event_engine/port.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gprpp/memory.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/event_engine/posix_engine/traced_buffer_list.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/certificate_provider/certificate_provider_factory.h
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 /grpc-1-53-2-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/round_robin/round_robin.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/channel/promise_based_filter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/cpu_iphone.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/handshaker/alts_tsi_utils.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/resource_quota/trace.h
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/iomgr/load_file.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/call_creds_util.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/intra_activity_waiter.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/backoff/random_early_detection.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/security/credentials/channel_creds_registry_init.cc

* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/gpr/log_posix.cc
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* /grpc-1-53-2-gem/data-tar-gz/src/core/lib/promise/detail/basic_seq.h
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/ssl/session_cache/ssl_session_boringssl.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/stream_map.cc
* /grpc-1-53-2-gem/data-tar-gz/src/core/tsi/alts/frame_protector/alts_counter.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_vpm.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/pcy_lib.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/pcy_cache.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/fips_shared_support.c
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/grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/modes/gcm_nohw.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/trust_token/trust_token.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/siphash/siphash.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/siphash.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/trust_token/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/ec_extra/ec_derive.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/evp/p_x25519.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/prog.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/prog.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/util/mutex.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/compile.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/bitmap256.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/util/strutil.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/util/mix.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/walker-inl.h

* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/simplify.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/parse.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/sparse_array.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/regexp.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/trust_token/pmbtoken.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/ec/p256.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/decode.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/arena.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/array.c

* /grpc-1-53-2-gem/data-tar-gz/third_party/upb/upb/def.c
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* Defines ABSL_STACKTRACE_INL_HEADER to the *-inl.h containing
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* This header is "private" to stacktrace.cc.
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```

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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pem/pem_info.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_int.c
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nSwXX+2o0J/nF85fm4AwWKAc
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*
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/rand/urandom.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/chacha.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/ossl_typ.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cpu-arm.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/opensslv.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/crypto.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/pkcs12.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/safestack.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/poly1305.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/poly1305/poly1305_vec.c
*

/grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/hkdf.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/hkdf/hkdf.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/engine.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/rand/rand.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/rand.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bytestring/cbb.c
*
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cipher_extra/e_chacha20poly1305.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bytestring/cbs.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/engine/engine.c
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// bitsliced AES implementations (bsaes and aes_nohw).

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* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/unicode_casefold.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/re2/re2/mimics_pcre.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/bio.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509name.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_set.c

* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_req.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/evp/evp.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pem/pem_pk8.c
*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/obj/obj_xref.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_crl.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_cmp.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_info.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_gentm.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/blowfish.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/digest_extra/digest_extra.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_enum.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_spki.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/md4/md4.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/tasn_utl.c
*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_octet.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/by_dir.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_sig.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/evp/sign.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/des/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/sha/sha512.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_pkey.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bio/fd.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bio/bio_mem.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/rc4/rc4.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509rset.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/bn.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/conf/conf.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bio/hexdump.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/tasn_new.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/digest/digest.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/dh.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_req.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_time.c
*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/evp/evp_ctx.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_attrib.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/add.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_utf8.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/cipher/e_des.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/md4.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/buf.h
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*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/t_x509a.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_strex.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/cipher/cipher.c
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*
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/rsa.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cipher_extra/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/t_x509.c
*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_object.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_val.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/hmac.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/by_file.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/asn1_lib.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/lhash.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/evp.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/tasn_fre.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/asn1_par.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/md5/md5.c
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 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cipher_extra/cipher_extra.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_strnid.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/dh/dh.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/conf.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/f_int.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cipher_extra/e_rc2.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/div.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/sha/sha256.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_vfy.c

* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/des/des.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/mul.c
*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_lu.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_mbstr.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/thread.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bio/printf.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/stack/stack.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cipher_extra/e_null.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/thread.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/base64/base64.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/cipher/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/tls_method.cc
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 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_int.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/lhash/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pem/pem_oth.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/rc4.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/digest.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/evp/internal.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/base64.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/shift.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/t_crl.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bio/connect.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_print.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/hmac/hmac.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/cipher.h
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/dh/check.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/obj/obj.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x_all.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/cmp.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_privkey.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/a_d2i_fp.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/buf/buf.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/type_check.h

* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cpu-intel.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/a_verify.c
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/grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_v3.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/rsa/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/digest/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/asn1/tasn_enc.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/ripemd.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bio/file.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_att.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/lhash/lhash.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/sha/sha1.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/generic.c
*
/grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509/x509_txt.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/bn/bytes.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/arm_arch.h
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* /grpc-1-53-2-gem/data-tar-gz/src/ruby/spec/user_agent_spec.rb
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/lib/grpc/google_rpc_status_utils.rb
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/pb/generate_proto_ruby.sh
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/pb/grpc/testing/duplicate/echo_duplicate_services_pb.rb
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/pb/test/xds_client.rb
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/spec/channel_connection_spec.rb
* /grpc-1-53-2-gem/data-tar-gz/src/ruby/lib/grpc/generic/interceptor_registry.rb
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* /grpc-1-53-2-gem/data-tar-gz/src/ruby/lib/grpc/generic/client_stub.rb
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// bitsliced across the |s| and |a| arrays, like this:
// Once bitsliced as such, the following circuits can be used to implement
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Found
in path(s):
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*

/grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/tls13_enc.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/asn1_mac.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cpu-arm-linux.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/modes/polyval.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bytestring/asn1_compat.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pool/pool.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/tls13_both.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/tls13_server.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pool/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/obj_mac.h
*
/grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/tls13_client.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cpu-ppc64le.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/curve25519/spake25519.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/rand_extra/deterministic.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/cares/cares/src/lib/ares__readaddrinfo.c
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H6vPNOw/KP4M8VeGTslV9xzU2KV9Bnpv1d8Q34FOIWWxtuEXeZVFBs5fzNxGiWNo
4vkYxboznxSjBF25cfe1lNj2M8FawTSLfJvdkzrnE6JwYZ+vj+vYxXX4M2bUdGc6
BGIBnfHAT+7hOtSLIBD6Alfm78ELt5BGnBkpjNxvoEppaZS3JGWg/6w/zgH7IS79

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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_x509.cc
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/pcy_map.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/pcy_tree.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/encrypted_client_hello.cc
*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/ecdsa/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/x509_vfy.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/blake2/blake2.c
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* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/conf/internal.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/ec/util.c
*
 /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/thread_pthread.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/thread_win.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/dtls1.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/thread_none.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/cmac.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/bn_extra/bn_asn1.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/refcount_lock.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/srtp.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/refcount_c11.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_aead_ctx.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/buffer.h
*

/grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_buffer.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/err_data.c
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/curve25519.h
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_key_share.cc
* /grpc-1-53-2-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/rand/internal.h

1.363 gdbm 1.23

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1.366 open-ldap 2.5.16

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1.369 zeromq 4.3.4

1.369.1 Available under license :

wepoll - epoll for Windows
https://github.com/piscisaureus/wepoll

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Version 3, 29 June 2007

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1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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1.372 xmlsec 1.2.33

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That's all there is to it!
/* Extract the last component (base name) of a file name.

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```
#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif
```

```
/*
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
      not consider trailing slashes to be part of the component:
          FILENAME
      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;



#ifdef __cplusplus
} /* extern "C" */
#endif
```

#endif /* _BASENAME_LGPL_H */
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version 0.1
##
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*/
#include <net-snmp/system/generic.h>

/*
* the bsd route symbol adds an 's' at the end to this symbol name
*/
#undef RTTABLES_SYMBOL
#define RTTABLES_SYMBOL "rt_tables"

/*
* BSD systems use a different method of looking up sockaddr_in values
*/
#define NEED_KLGETSA 1

#define UTMP_HAS_NO_TYPE 1
#define UTMP_HAS_NO_PID 1
```

1.375 brotli 1.0.9

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1.376 kmod 29

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1.378 binutils 2.38

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  02110-1301, USA.  */


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#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
```

```
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif



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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be
distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered
by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any
executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this

function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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Appendix: How to Apply These Terms to Your New Libraries

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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available free
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Version 3, 29 June 2007

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(This file is under construction.) -*- text -*-

If you've contributed to gas and your name isn't listed here, it is
not meant as a slight. I just don't know about it. Email me,
nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into
the documentation, and info on specific files will go into an AUTHORS
file, as requested by the FSF.

++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration
including heavy testing and
verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith
Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation

that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small
bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't
intentionally leaving anyone out.

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1.379 sysv-init 3.01

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1.380 icu 70.1

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```
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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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(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $
$Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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Python was created in the early 1990s by Guido van Rossum at Stichting
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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 (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
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2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
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2.6	2.5	2008	PSF	yes
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2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
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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 (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.389 rrdtool 1.8.0

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Kevin Brintnall <kbrint with rufus.net> bugfixes in and additions to rrdcached, including journaling support
Larry Leszczynski <larryl with furph.com>
Mark Plaksin <happy@usg.edu> rrd_graph_v
Matt Chambers <matthew.chambers with vanderbilt.edu> --full-size-mode for rrdgraph
Melchior Rabe <rrdtool at mrab.de> -- legend position patch
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Mike Mitchell <mcm with unx.sas.com>
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Paul Joslin <Paul.Joslin with sdrc.com>
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1.390 wget 1.21.4

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#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

/* This file uses _GL_ATTRIBUTE_PURE.  */
#if !_GL_CONFIG_H_INCLUDED
#error "Please include config.h first."
#endif

#include <stddef.h>

#ifndef
 DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif


/* Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
```

```
   * Various platforms have different functions in their libc.
     In particular, the glibc basename(),
 defined in <string.h>, does
     not consider trailing slashes to be part of the component:
          FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
   * The 'basename' command eliminates trailing slashes and for a root
     produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;


#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

1.391 iproute 5.17.0

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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the work with the complete corresponding
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate
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notice and this notice are preserved.
/* Extract the last component (base name) of a file name.

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#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif


/*
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
      not consider trailing slashes to be part of the component:
          FILENAME
      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
```

```
   * The 'basename' command eliminates trailing slashes and for a root
     produces a non-empty result:
           FILENAME      RESULT
           "foo/bar/"    "bar"
           "foo/bar//"   "bar"
           "/"           "/"
           "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;


#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

1.396 python-setuptools 59.5.0

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1.398 inetutils 2.2

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#ifndef IFCONFIG_SYSTEM_BSD_H
# define IFCONFIG_SYSTEM_BSD_H
# include "../printif.h"
# include "../options.h"
# include <sys/sockio.h>

/* BSD
 variant chooser.  */
# if defined __DragonFly__
#  define IU_BSD_TYPE "dragonfly"
# elif defined __FreeBSD__
#  define IU_BSD_TYPE "freebsd"
# elif defined __FreeBSD_kernel__
#  define IU_BSD_TYPE "GNU/kFreeBSD"
# elif defined __NetBSD__
#  define IU_BSD_TYPE "netbsd"
# elif defined __OpenBSD__
#  define IU_BSD_TYPE "openbsd"
#  define ETHERNAME "lladdr"
# else /* Exotic BSD versions.  */
#  define IU_BSD_TYPE "unknownbsd"
# endif

# ifndef ETHERNAME
#  define ETHERNAME "ether"
# endif


/* Option support.  */

# undef SYSTEM_SHORT_OPTIONS
# undef SYSTEM_LONG_OPTIONS

struct system_ifconfig
{
 int valid;
};


/* Output format support.  */

# define _IU_CAT2(a, b) a ## b
# define _IU_DCL(name, fld)    \
 {#name, _IU_CAT2(system_fh_, fld) }
# define _IU_EXTRN(fld)    \
```

```
 extern void _IU_CAT2(system_fh_, fld) (format_data_t, int, char *[]); \

# define SYSTEM_FORMAT_HANDLER \
 {"bsd", fh_nothing},  \
 {IU_BSD_TYPE, fh_nothing}, \
 {"brdaddr?", system_fh_brdaddr_query}, \
 {"brdaddr",
 system_fh_brdaddr}, \
 {"hwaddr?", system_fh_hwaddr_query}, \
 {"hwaddr", system_fh_hwaddr}, \
 {"hwtype?", system_fh_hwtype_query}, \
 {"hwtype", system_fh_hwtype}, \
 {"media?", system_fh_media_query}, \
 {"media", system_fh_media}, \
 {"netmask?", system_fh_netmask_query}, \
 {"netmask", system_fh_netmask}, \
 {"status?", system_fh_status_query}, \
 {"status", system_fh_status}, \
 {"tunnel?", system_fh_tunnel_query}, \
 {"tundst", system_fh_tundst}, \
 {"tunsrc", system_fh_tunsrc}, \
 {"ifstat?", system_fh_ifstat_query}, \
 _IU_DCL (collisions, collisions), \
 _IU_DCL (rxbytes, rx_bytes), \
 _IU_DCL (rxdropped, rx_dropped), \
 _IU_DCL (rxerrors, rx_errors), \
 {"rxfifoerr", system_fh_missing_stat}, \
 {"rxframeerr", system_fh_missing_stat}, \
 _IU_DCL (rxpackets, rx_packets), \
 _IU_DCL (txbytes, tx_bytes), \
 {"txcarrier", system_fh_missing_stat}, \
 _IU_DCL (txdropped, tx_dropped), \
 _IU_DCL (txerrors, tx_errors), \
 {"txfifoerr", system_fh_missing_stat},
 \
 _IU_DCL (txpackets, tx_packets),

void system_fh_brdaddr_query (format_data_t form, int argc, char *argv[]);
void system_fh_brdaddr (format_data_t form, int argc, char *argv[]);
void system_fh_hwaddr_query (format_data_t form, int argc, char *argv[]);
void system_fh_hwaddr (format_data_t form, int argc, char *argv[]);
void system_fh_hwtype_query (format_data_t form, int argc, char *argv[]);
void system_fh_hwtype (format_data_t form, int argc, char *argv[]);
void system_fh_media_query (format_data_t form, int argc, char *argv[]);
void system_fh_media (format_data_t form, int argc, char *argv[]);
void system_fh_netmask_query (format_data_t form, int argc, char *argv[]);
void system_fh_netmask (format_data_t form, int argc, char *argv[]);
void system_fh_status_query (format_data_t form, int argc, char *argv[]);
```

```
void system_fh_status (format_data_t form, int argc, char *argv[]);
void system_fh_tunnel_query (format_data_t form, int argc, char *argv[]);
void system_fh_tundst (format_data_t
 form, int argc, char *argv[]);
void system_fh_tunsrc (format_data_t form, int argc, char *argv[]);

void system_fh_ifstat_query (format_data_t form, int argc, char *argv[]);
void system_fh_missing_stat (format_data_t form, int argc, char *argv[]);

_IU_EXTRN (rx_bytes)
_IU_EXTRN (tx_bytes)
_IU_EXTRN (rx_dropped)
_IU_EXTRN (tx_dropped)
_IU_EXTRN (rx_errors)
_IU_EXTRN (tx_errors)
_IU_EXTRN (rx_packets)
_IU_EXTRN (tx_packets)
_IU_EXTRN (collisions)

#endif /* IFCONFIG_SYSTEM_BSD_H */
/* Extract the last component (base name) of a file name.

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#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

#include <stddef.h>

#ifndef DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
```

```
extern "C" {
#endif


/*
 Return the address of the last file name component of FILENAME.
  If FILENAME has some trailing slash(es), they are considered to be
  part of the last component.
  If FILENAME has no relative file name components because it is a file
  system root, return the empty string.
  Examples:
          FILENAME      RESULT
          "foo.c"       "foo.c"
          "foo/bar.c"   "bar.c"
          "/foo/bar.c"  "bar.c"
          "foo/bar/"    "bar/"
          "foo/bar//"   "bar//"
          "/"           ""
          "//"          ""
          ""            ""
  The return value is a tail of the given FILENAME; do NOT free() it!  */

/* This function was traditionally called 'basename', but we avoid this
  function name because
    * Various platforms have different functions in their libc.
      In particular, the glibc basename(), defined in <string.h>, does
      not consider trailing slashes to be part of the component:

 FILENAME      RESULT
          "foo/bar/"    ""
          "foo/bar//"   ""
    * The 'basename' command eliminates trailing slashes and for a root
      produces a non-empty result:
          FILENAME      RESULT
          "foo/bar/"    "bar"
          "foo/bar//"   "bar"
          "/"           "/"
          "//"          "/"
*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
  Typically FILENAME is the value returned by base_name or last_component.
  Act like strlen (FILENAME), except omit all trailing slashes.  */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;


#ifdef __cplusplus
```

```
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */
```

1.399 libmicrohttpd 0.9.76

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```
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To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General

Public License permits more lax criteria for linking other code with
the library.

We call this license the @dfn{Lesser} General Public License because it
does @emph{Less} to protect the user's freedom than the ordinary General
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of an advantage over competing non-free programs. These disadvantages
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libraries. However, the Lesser license provides advantages in certain
special circumstances.

For example, on rare occasions, there may be a special need to
encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the
same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free
programs enables a greater number of people to use a large body of
free software. For example, permission to use the GNU C Library in
non-free programs enables many more people to use the whole GNU
operating system, as well as its variant, the GNU/Linux operating
system.

Although the Lesser General Public License is Less protective of the
users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run
that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
``work based on the library'' and a ``work that uses the library''. The
former
contains code derived from the library, whereas the latter must
be combined with the library in order to run.

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A ``library'' means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The ``Library'', below, refers to any such software library or work which has been distributed under these terms. A ``work based on the Library'' means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it,
either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term ``modification''.)

``Source code'' for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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The modified work must itself be a software library.

@item
You must cause the files modified to carry prominent notices
stating that you changed the files and the date of any change.

@item
You must
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charge to all third parties under the terms of this License.

@item
If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)
@end enumerate

These requirements apply to the modified work as a whole. If
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sections when you distribute them as separate works. But when you
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on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote
it.

Thus, it is not the intent of this section to claim rights or contest
your rights to work written entirely by you; rather, the intent is to
exercise the right to control the distribution of derivative or
collective works based on the Library.

In addition, mere aggregation of another work not based on the Library

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that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for
that copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

@item
You may copy and distribute the Library (or a portion or
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under the terms of Sections 1 and
2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

@item
A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a ``work that uses the Library''. Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a ``work that uses the Library'' with the Library
creates an executable that is a derivative of the Library (because
it
contains portions of the Library), rather than a ``work that uses the

library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a ``work that uses the Library'' uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise,
if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

@item
As an exception to the Sections above, you may also combine or
link a ``work that uses the Library'' with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
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You must give prominent notice with each copy of the work that the
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this License. You must supply a copy of this License. If the work
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copyright notice for the Library among them, as well as a reference
directing the user to the copy of
this License. Also, you must do one
of these things:

@enumerate a
@item
Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable ``work that
uses the Library'', as object code and/or source code, so that the

user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

@item
Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable,
and (2) will operate
properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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@item
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For an executable, the required form of the ``work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that
is
normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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@subheading END OF TERMS AND CONDITIONS

@page
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smallexample

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@end enumerate

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and can be reasonably considered independent and separate works in

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring
the other work under
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@enumerate a
@item
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@item
Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

@item
Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial
distribution and only if you
received the program in object code or executable form with such an offer, in accord with Subsection b above.)
@end enumerate

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source

code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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man/strtonum.3bsd
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src/arc4random_openbsd.h
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src/closefrom.c
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  * Added generation of field number constants.
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Will Pierce <willp@nuclei.com>
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Alexandre Vassalotti <alexandre@peadrop.com>
  * Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
  * Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
Alexander Melnikov <alm@sibmail.ru>

* HPUX support.
Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only
once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>
* Added CodedInputStream.getTotalBytesRead().
Kacper Kowalik <xarthisius.kk@gmail.com>
* Fixed m4/acx_pthread.m4 problem for some Linux distributions.
William Orr <will@worrbase.com>
* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xlC compiler build issues
* Added atomicops for AIX (POWER)
Nipunn Koorapati <nipunn1313@gmail.com>
* Provide a type alias field ValueType
on EnumTypeWrapper
* Match service argument names to abstract interface

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*/

```
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#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS                                           \
 uv__io_t event_watcher;                                                      \

#define UV_IO_PRIVATE_PLATFORM_FIELDS                                         \
 int rcount;                                                                  \
 int wcount;                                                                  \

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */
```

1.405 python3-asn1crypto 1.5.1

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1.413 sockperf 3.10

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    - "contrib/jenkins_tests.*"
    - "contrib/valgrind.*"
    - "contrib/xlio-bench.*"
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    - "doc.*"
    - ".*\\.pdf"
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    - ".*CHANGES"
    - ".*LICENSE"
    - ".*authors"
    - ".*README"
    - ".*version"
    - ".*copying"
    - ".*news"
    - ".*\\.md"
    - ".*configure\\.ac"
    - ".*Jenkinsfile"
    - ".*\\.docx"
    - ".*\\.txt"
    - ".*\\.log"
    - ".*\\.cmake"
    - ".*\\.png"
    - ".*\\.conf"
    - ".*\\.awk"
    - ".*\\.pm"
    - ".*autogen\\.sh"
    - ".*\\.sln"
    - ".*\\.vcxproj"
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      - ".*avner-test-orig"
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     - ".*"
  exclude:
     - ".*tests/gtest/common/tap\\.h"

     - ".*tests/gtest/common/gtest\\.h"
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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: sockperf
Source: <url://example.com>
###
### Uncomment the following 2 lines to enable uscan to exclude non-DFSG components
### Files-Excluded: command/non-dfsg.exe
###   docs/source/javascripts/jquery-1.7.1.min.js
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###
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1.414 mlnx-nfsrdma 24.10

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1.415 multiperf 3.0

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1.416 mlnx-ethtool 6.9

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1.418 mlnx-iproute2 6.10.0

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Any executables containing that work also fall under Section 6,
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the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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that the user who changes the contents of definitions files in the
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will operate
properly with a modified version of the library, if
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1.421 libvma 9.8.60

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    - "build.*"
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```
      - "contrib/.*\\.sh"
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      - ".*CHANGES"
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      - ".*\\.md"
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      - ".*Jenkinsfile"
      - ".*\\.docx"
      - ".*\\.txt"
      - ".*\\.log"
      - ".*\\.cmake"
      - ".*\\.png"
      - ".*\\.conf"
      - ".*autogen\\.sh"
      #
      # Auto generated files
      #
      - ".*src/vma/config_parser.*"
      - ".*src/vma/config_scanner\\.c"

  nbu-open-source:
    include:
      - ".*"
    exclude:
      - ".*src/vma/lwip/.*"
      - ".*tests/gtest/common/tap\\.h"
      - ".*tests/gtest/googletest/.*"
      - ".*src/vma/util/list\\.h"
       - ".*contrib/scripts/libvma\\.spec\\.in"
      - ".*contrib/scripts/vma\\.service\\.in"
      - ".*docs/man/.*\\.in"
```

1.422 libxlio 3.40.2

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  exclude:
    - "\\.git.*"
    - "\\.ci.*"
    - "\\.dockers.*"
    - "build.*"
    - "contrib/jenkins_tests.*"
    - "contrib/valgrind.*"
    - "contrib/xlio-bench.*"
    - "debian.*"
    - ".*\\.pdf"
    - ".*Makefile\\.am"
    - ".*CHANGES"
    - ".*LICENSE"
    - ".*NOTICE"
    - ".*README"
    - ".*COPYING"
    - ".*TODO"
    - ".*license"
    - ".*\\.md"
    - ".*\\.sh"
    - ".*configure\\.ac"
    - ".*Jenkinsfile"
    - ".*\\.docx"
    - ".*\\.py"
    - ".*\\.txt"
    - ".*\\.log"
    - ".*\\.cmake"
```

```
    - ".*\\.png"
    - ".*\\.conf"
    - "tests/nginx/constant_reply_module/config"
    #
    # Auto generated files
    #
    - ".*src/core/config_parser.*"
    - ".*src/core/config_scanner\\.c"

dual_gpl_2_bsd_3:
  validate-spdx-license: True
  include:
    - ".*"
  exclude:
    - ".*src/core/lwip/.*"
    - ".*tests/gtest/common/tap\\.h"
     - ".*tests/gtest/googletest/.*"
    - ".*src/core/util/list\\.h"
    - ".*contrib/scripts/libxlio\\.spec\\.in"
    - ".*contrib/scripts/xlio\\.service\\.in"
    - ".*docs/man/.*\\.in"
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1.425 hiredis 1.0.0

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1.426 rshim 2.1.5

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1.427 tipc-utils 2.2.0

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/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/benchmark/common_tipc.h/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/benchmark/server_tipc.c/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/c_api_demo/tipc_c_api_client.c/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/c_api_demo/tipc_c_api_server.c/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/c_api_demo/tipc_c_api_top_subscr.c/* ----------
---
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/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/hello_world/client_tipc.c/* ----------
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/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/inventory_sim/inventory_sim.c/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/multicast_demo/client_tipc.c/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/multicast_demo/server_tipc.c/* ----------
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/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/demos/topology_subscr_demo/client_tipc.c/* ----------
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/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/multicast_blast/group_cast.c/* ----------
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/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/multicast_blast/tipcc.c/*

/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/multicast_blast/tipcc.h/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/ptts/tipc_ts.h/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/ptts/tipc_ts_adapt.h/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/ptts/tipc_ts_client.c/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/ptts/tipc_ts_client_linux.c/*

/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/ptts/tipc_ts_common.c/*

/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/ptts/tipc_ts_server.c/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/ptts/tipc_ts_server_linux.c/*

/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/tipc-pipe/tipc-pipe.c/* ----------
/opt/cola/permits/2637593463_1758890930.8754926/0/tipcutils-2-2-0-1-tar-gz/tipcutils/tipclog/tipc.h/*

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```
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*
* client_tipc.c
*
* Short description: TIPC benchmark demo (client side)
*
* ----------
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*
* --
*/

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* /tipcutils-2-2-0-1-tar-gz/tipcutils/demos/benchmark/client_tipc.c

1.428 ofed-scripts 24.10

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1.429 srp 24.10

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1.430 xpmem 2.7.4

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general:
  exclude:

```
      - "\\.git.*"
      - "\\.ci.*"
      - "\\.dockers.*"
      - "build.*"
      - "config.*"
      - "contrib.*"
      - "debian.*"
      - "tools.*"
      - ".*\\.sln"
      - ".*\\.vcxproj"
      - ".*\\.vcxproj.filters"
      - ".*\\.props"
      - ".*\\.pdf"
      - ".*Makefile\\.am"
      - ".*LICENSE"
      - ".*NOTICE"
      - ".*README\\.md"
      - ".*license"
      - ".*\\.md"
      - ".*\\.sh"
      - ".*configure\\.ac"
      - ".*Jenkinsfile"
      - ".*\\.docx"
      - ".*\\.py"
      - ".*\\.txt"
      - ".*\\.log"
      - ".*\\.in"
      - ".*\\.cmake"
      - ".*\\.png"
      - ".*\\.m4"

  bsd:
    include:
      - ".*"
    exclude:
      - ".*tests/gtest/common/tap\\.h"
      - ".*tests/gtest/common/gtest\\.h"
      - ".*tests/gtest/common/gtest-all\\.cpp"
      - ".*tests/gtest/include/getopt\\.h"
      - ".*contrib/scripts/dpcp\\.spec\\.in"
```

1.433 lasso 2.9.0

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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding
machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses
the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object
code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the
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machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly
with a modified version of the library, if
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from
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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library,
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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1.447 pyvmomi 5.5.0.2014.1.1

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1.448 knem 1.1.4.90

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1.449 rasdaemon 0.8.3

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1.454 python 3.7.4

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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.

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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)
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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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1.456 curl 7.54.1

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License Mixing
==============

libcurl can be built to use a fair amount of various third party libraries,
libraries that are written and provided by other parties that are distributed
using their own licenses. Even libcurl itself contains code that may cause
problems to some. This document attempts to describe what licenses libcurl and
the other libraries use and what possible dilemmas linking and mixing them all
can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html)
licensed code is not allowed to be linked with code licensed under the
[Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the
announcement clause). You may still build your own copies that use them all,
but distributing them as binaries would be to violate the GPL license - unless
you accompany your license with an
[exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This
particular problem
 was addressed when the [Modified BSD
license](https://opensource.org/licenses/BSD-3-Clause) was created, which does
not have the announcement clause that collides with GPL.

libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is
very liberal.

OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an
announcement clause that makes it "incompatible" with GPL. You are not
allowed to ship binaries that link with OpenSSL that includes GPL code
(unless that specific GPL code includes an exception for OpenSSL - a habit
that is growing more and more common). If OpenSSL's licensing is a problem
for you, consider using another TLS library.

GnuTLS

(May be used for SSL/TLS support) Uses the
[LGPL](https://www.gnu.org/licenses/lgpl.html) license. If this is a problem
for you, consider using another TLS library. Also note that GnuTLS itself
depends on and uses other libs (libgcrypt and libgpg-error) and they too

are
LGPL- or GPL-licensed.

WolfSSL

(May be used for SSL/TLS support) Uses the GPL license or a proprietary license. If this is a problem for you, consider using another TLS library.

NSS

(May be used for SSL/TLS support) Is covered by the [MPL](https://www.mozilla.org/MPL/) license, the GPL license and the LGPL license. You may choose to license the code under MPL terms, GPL terms, or LGPL terms. These licenses grant you different permissions and impose different obligations. You should select the license that best meets your needs.

mbedTLS

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BoringSSL

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

BearSSL

(May be used for SSL/TLS support) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license
that shouldn't collide with any other library.

MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any
other parts.

Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the
announcement clause.

GNU GSS

(May be used for GSS support) GNU GSS is GPL licensed. Note that you may not
distribute binary curl packages that uses this if you build curl to also link
and use any Original
 BSD licensed libraries!

libidn

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL
is a variation of GPL with slightly less aggressive "copyleft". This license
requires more requirements to be met when distributing binaries, see the
license for details. Also note that if you distribute a binary that includes
this library, you must also include the full LGPL license text. Please
properly point out what parts of the distributed package that the license
addresses.

OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses
OpenLDAP as a shared library only, I have not heard of anyone that ships
OpenLDAP linked with libcurl in an app.

libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

1.457 grub2 2.12

1.457.1 Available under license :

ELF>@@
Hy$HHq,uHDDL@P4Et2;P u-
HPHHHH9uHHPMtCIxHp2MHP$tIHLHHHAHxHDH:HHHwxHPHHvhHH@$LHL@$HP,P
P4H)HPHPHt#HzLHHLHPLL111DEtH<tD

HUHAUIATASI|$APHu1L`HH@HpXIEH8uCHu1Ht,xHtHHHH9u6HH'HHHtH
HHH
1Z[A\A]]HUHAUATSHHHHEHIHILLLEHH1IAHHIHtJCt2ww4HHs1AuHssL1AHH[A\A]]HUHATSH8HHt
L'LH111HHHHH0HH8HH;H11H;[A\]tH1HFHUHAVAUIATSHu&HHA[[[A\A]A^]HH8uII<$uH1I}HHHLw@M
94$s=HI$LAYHAZ1[A\A]IA^]AHH}H0LHHL9tDHH}H;u!IU1HH=I$1H)HH<HH1ZY[A\A]A^]HUHAVIAUAT
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HLA[A\A]A^]HUHAWAVAUATASHHHt H8t+H1HH[A\A]A^A_]Eu'H1H1E1NH;
HIHtLh@1M#HA}HcHHMcHLHLL9II
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uH8"uH@IA?#t}=LAHtmA?tdHHx"HMtHHEHL1HHHt9HuHEHH}HtMtM.HHMtHLH[A\A]A^A_]HUHAWAV
IAUATASHHhI>H1HHEu"H1H<H; HIHHIIEHuHLHH3LIHHHHxHE1LIHLI$^AG
LH%HHMOHI$E1H31LHtMAW4HLH9s<Iw'PAI9rI@PH9sHAH
LEtH3@tI$H8I$HHuHI}H)HH}HE1E1HxHI+$LHHRH8?HI$IHHxI?HLHHH8HIW 8uH
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HuHI}H)HH}HE1E1HxHI+$LHHuUH8uFHI$IHHxI?H1HHLE1E11LDHDHH@HuLHH@t<H8gHx1HH>HH}tH
EU%f}HtA
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A}usWHxOHuH1EEx`HA@XEA@\HHtL
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HXHAHc]AEHHkuH uHHMHIMHIA}HuHP1H}HUHuHUHAA}DEHUu
DEH|1HDE1HHHIAAMLH t1tLHAHX[A\A]A^A_]HUHAWAVAUATSHHI1IHt!HrtHL1H
HL1HHH0HuIHI<$THH}ILh$IMIHt?CHSI~HsH}ABAFAH}H{HHL)AFI11HI1AFHE111H11HM)HEAIGAGA
GHH
AGHH0Ew H
AG HHuAGI$H]H1HH0He[A\A]A^A_]HUHAWAVAUATSHHPHHHHtY8tTH1HIM
L11HLAHH11HAEHHHH}HHEE10HPDXH\EfEfdHHHPEgEjEhEkEiElHt0HHH1H8IE1IHtHAHDHk\HIHuHb
D HAEIHtHpHHk\I|Ak\LHLHRHH(IE1E1IHt$HJtNd!I Nd!IHAHHuII>H8IcH8ILHHH}M?N
HE(IIMt]LH(IH)8IwL0ADAGIWAEBAELAMoM?H(L0j
HujAI>AHY^HH}H}IHE111I11HHD}1D}EAEAUAE1AE8AHEeH
AEHH0 HuH
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Hx1PHHLHOIIAHP1AID$t;1HID$HHAHAID$1HIILHA1IA%ID$HHHLHIHu!H1HHAA1HAIA
H?,u>H1HHAAtHHAIHAI~
@v"H&1HNH1HHH0H8HLg(MHGAHtxuDo IT$(E1HHt
LxH@(ID$LHW(1H8H@HHH841Lg(H\D\L1HPH@(Hu@LH`HHIDI@ID$HxHh@HpHHHA4H\
A 1HID$0Ht}HHxHu>@HHfXfA+I|$(uHID$0HxtA$D
HAHHHH1HHH[A\A]A^A_]HUHAWIAVAUATISH8HuHHHUPA$JHGXH=HEE1IKHtxIHAH}HHHIuDHAH
E
HuHEHHHUr@v(HIIrHza D IG1H}x`HIGHxhHH}HHt&H1H-
1HE1HuIHxH}AAwH}%?,u0H1HuH}AH%E1DEDHUHuEHA$ 2HuEHEA$$Hu}Hu-
H1HHH8[A\A]A^A_]UT1HHAWAVH|AUIATS1HET|EHIMtQI<$ LHu.I<$ t$IH
AI|$IAJ\3HMd$0HtHHHH)H8HH111HH1Ht!HqtHT2H HT2HH
HHHHH)IA?tH0IHHH8IUH8HQH8HMuIHLI]L(HHH; HHH3~ H
H(IAH(HH(IHHHvH(H(=HsAH(HH(HDH(H[07LL9(tH(HXDuH8HLHIMAPIpHHpttu+UAA?tHpTA?IUtHPDP?I
@L HHH(HHL H(IIHH)A?t

HHHHMH9L)L)D]IHL)LIE11HEHA?I1H8AA`jI?j H0H^_H0HH0IHE111H(11HPH01HHL)LLL H H 1IIL$LH
HH=uH(HpH@HH8H8HHHH H H`AE@AGIEAGH1H8HH@X1 AH8AxH0j
I?HjZYH0HH0IHE111H11HI|$$TH|H8 H<H8PA$
ADADHH1HIT$$H0A\$HADEADIEAD$
H1I?H0He[A\A]A^A_]HUHAWAVIAUAATSHH8Hu/LEDMHtHXIH}HILIDIHAHPAEH8tQHEH}HEEHEAHu
PAHuAHu8H}AHuPAusHuAu^HuAuIE1E1A9~I<HAEdEDHuHtZHE1HEIIA9~ I4LAI<HAL
L`A$H}HtEEH8[A\A]A^A_]HUHAWAVAUAATISH8Ht9HH8uH8u+H1HH8[A\A]A^A_]EuH1GI<$HIHHHH@
HIHuHH8HIHH}HS@HHHA?DIL$IEtILUI|$HHHMHMLUuIDILLPAEEDK@MLHUI<$uIHC@HH%IHHAH
8[A\A]A^A_]HUHAWAVAHAUIATSHHHLDHIHILHI8M 31I}AVHLHHMIMEAAHHEE)H%
I}HHH;IULHH8Hu
HHuIADHuADHuA|H1IAHHtMHHt+H@(Ht"HP(D
HtED"AAAAAHAAH1;H1AIHHHHHtiHx@tbHHxHuDHuLS@u6H}Ht-
1HH}HHAAHA1HC,HHH[A\A]A^A_]UHAUIATIHSHPHL1IIHHL1IIHHHL1IIHHHE11HHHHHE11IHHHHLE
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UHAVIAUIHSLHH}H}HtNHHLH9t5u*HLHH[A]A^]1H[A]A^]UHAWIAVAUIATISH(Hu1H}AHH}4LIAH4tC
H?HUH(1H[A\HA]A^A_]A<$ELFuA|$uA|$tHA|$t+HH(1H[A\A]A^A_]HuLHAt$.}HIEHtAt$
H}AHuH]AT$.IuUH}AAL$.HEHH9t3Hu#HU1HHH([A\A]A^A_]U1HAWAVAUIHMATSHHHhHhHXHUHXH
EHHtH}HLe4HuHULtLH9sxt'HH1HMPHHuHDpPHIAD`LAD$dADAEIHD`HADHH}DxPHCD<HhI|D3AHt`
DHHhIHPHAHPH9upHdLHPHhAHPHu*DdHBHhHPHLAL9uD`E1dHXHHHP;MHHHt
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IDLHpAHpMDHtMu.PllHtMuHxIIAt>HxALAH1H[A\HA]A^A_]JHXHxHBHHH@%H)HXHHHHBAGH@%H)
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HH!LHH`HHH)H%HuHLHH}IMHH@EHELI9SMN M:IF0HtJT III!MfEHRHHIP1AH@LH)HA~HPIF
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MtMuHxIII}t>HxAHAH1H[A\HA]A^A_]IFH`H@HxHIFHH%H)H`HHHHAIEH@%H)H`HHBAHAHD[A\A]A^
A_] @12abcdmqsvxzrh@abcsdrh @ DhaCcdgmnpqrsvsizeaddrtypename %-18s %-18s%14s%14s
%-18s 0x%08x 0x%08x
filename expectedyou need to
load the kernel firstno kOpenBSD loadedyour kOpenBSD doesn't support ramdiskyour kOpenBSD supports ramdisk only up to %lu bytes, however you supplied a %lu bytes onepremature end of file %sonly FreeBSD supports moduleonly ELF kernel supports moduleonly FreeBSD supports environmentkFreeBSD.%syour CPU does not implement AMD64 architecturekern_start = %lx, kern_end = %lx
bsdloader/i386/bsd.cinvalid arch-dependent ELF magicinvalid a.out headerload address below 1Mno NetBSD loaded %-18s%14s%14s%14s
%-18s 0x%08x 0x%08x 0x%08xknetbsd_module_elf%u entries in smap
textgfxpayload%s;800x600800x600Booting in blind modecompcmdlen too longnetbsdunknown disk type nameonly device specifications of form <type><number><lowercase letter> are supportedonly com0-com3 are supportedkFreeBSD./boot/zfs/zpool.cacherawno FreeBSD loadedtype=elf64 kernelelf kernelzfsgzioLoad kernel of FreeBSD.FILEkfreebsdLoad kernel of OpenBSD.kopenbsdLoad kernel of NetBSD.knetbsdLoad FreeBSD env.kfreebsd_loadenvLoad FreeBSD
kernel module.kfreebsd_moduleLoad NetBSD kernel module.knetbsd_moduleLoad NetBSD kernel module (ELF).Load FreeBSD kernel module (ELF).kfreebsd_module_elfLoad kOpenBSD ramdisk.kopenbsd_ramdiskwdfdsdcdvndrdno-smpDisable SMP.no-acpiDisable ACPI.asknameAsk for file name to reboot from.haltDon't reboot, just halt.configChange configured devices.kdbEnter in KDB on boot.minirootquietDon't display boot diagnostic messages.singleBoot into single mode.verboseBoot with verbose messages.debugBoot with debug messages.silentSuppress normal output (warnings remain).rootSet root device.DEVICEserialUse serial console.[ADDR|comUNIT][,SPEED]wdXYcomUNIT[,SPEED]dualDisplay output on all consoles.cdromUse CD-ROM as root.Invoke user configuration routing.gdbUse GDB remote debugger instead of DDB.muteDisable all boot output.nointrpauseWait for keypress after every line of output.dfltrootUse compiled-in root device.premature end of file %sinvalid arch-independent ELF magicinvalid arch-dependent ELF magicno symbol
table_DYNAMICdynamic = %llx
bsdloader/i386/bsd32.cloading section to %x, size %d, align %d
elf modulerd_root_imagerd_root_sizeunexpected size of rd_root_sizepremature end of file %sinvalid arch-independent ELF magicinvalid arch-dependent ELF magicloading section to %x, size %d, align %d
bsdloader/i386/bsd64.celf obj moduleno symbol table_DYNAMICdynamic = %llx
rd_root_imagerd_root_sizeunexpected size of
rd_root_sizeLICENSE=GPLv3+aoutbootcpuidcryptoelfextcmdgcry_md5mmaprelocatorserialvideobsd2*4)NEcv&3I_:}4CZlx%B(<PG:r~*"8HWi(7|J>*R0ALi)6VHWsgrub_mod_initgrub_mod_finigrub_strlengrub_netbsd_load_elf_meta64grub_efi_finish_boot_servicesgrub_aout_get_typegrub_puts_grub_strncmpgrub_strtoullgrub_efi_system_tablegrub_env_update_get_sortedgrub_strcpygrub_elf_is_elf32grub_loader_is_loadedgrub_strrchrgrub_ns8250_hw_get_portgrub_dl_loadgrub_elf32_load_phdrsgrub_relocator32_bootgrub_freebsd_load_elfmodule32grub_elf_filegrub_xasprintfget_virtual_current_addressgrub_video_set_mode_gcry_digest_spec_md5grub_memmovegrub_device_opengrub_relocator_alloc_chunk_aligngrub_elf64_get_shnumgrub_disk_readgrub_unregister_extcmdgrub_loader_unsetgrub_dl_refgrub_mmap_iterategrub_file_seekgrub_relocator_unloadgrub_errnogrub_memsetgrub_openbsd_find_ramdisk32grub_register_command_priogrub_elf_is_elf64grub_video_get_driver_idgrub_mmap_get_lowergrub_mmap_get_uppergrub_freebsd_load_elfmodule_obj64grub_printfgrub_unregister_commandgrub_file_readgrub_freebsd_add_meta_modulegrub_elf_closegrub_print_errorgrub_zallocgrub_strcmpgrub_strchrgrub_elf64_loadgrub_mallocgrub_relocator64_bootgrub_file_closegrub_file_opengrub_real_dprintfgrub_freebsd_load_elf_meta32grub_callocgrub_freebsd_load_elf_meta64grub_netbsd_load_elf_meta32grub_device_closegrub_elf64_load_phdrsgrub_open

bsd_find_ramdisk64grub_fs_probegrub_relocator_newgrub_crypto_hashgrub_errorgrub_video_get_info_and_finigrub_cpuid_has_longmodegrub_freegrub_dl_unrefgrub_register_extcmdgrub_env_setgrub_gettextgrub_memcmpgrub_loader_setgrub_verify_stringgrub_elf32_get_shnumgrub_elf32_loadgrub_env_getgrub_strtoulgrub_bsd_add_metagrub_aout_loadget_physical_target_addressgrub_elf32_get_phnumgrub_relocator_alloc_chunk_addrN<v)phh p
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1H61HQ1_191
1H1N1711#1T1T1)2*252P@2Q2[2e2.o22`22 2-2@226212M282,2U33g30+353x?3,I3S3(g3q3{3
33333h333%334<
4414#<4@K48Z40i43s4(4 444444'5)54-
5)G5JQ5Kv5'545)5J5K#6c76L6Ki6V6B6)6)7J7Kn7n57V7Z77Kb8^}88'84#9)d9)9J9K9999999@:Z9:Zf:N:n5;V=;]
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?Vu?N@^@'@A'#A4[A)A)AJAKAZANWBn5BVBNBNB<JC'jC4C)
D)IDJVDKD D9D+ EN)ENXE8 eEKE';F4NF)qFX ~FKFq F FKF!GB7G)nG)GX GKGEH!H^H I +I 5I ?I@I'I)I4I)IX
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FMdl.symtab.strtab.shstrtab.rela.text.rela.rodata.rodata.str1.1.data.module_license.bss.moddeps.modname
@V@x?+`V8 &@32]j
BhHhX h] hGfghph XqXo

1.458 luajit 2.1.0.beta3

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1.459 slf4j-impl 2.17.1

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1.460 cachecontrol 0.12.11

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1.461 urllib3 1.26.8

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1.462 bean-validation-api 2.0.1.Final

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1.463 ndg-httpsclient 0.5.1

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1.464 ebpf 0.7.0

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1.465 tftpy 0.8.0

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1.466 slf4j 2.0.13

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Manifest-Version: 1.0
Bnd-LastModified: 1649403223965
Build-Jdk: 1.8.0_292
Built-By: runner
Bundle-Description: This module provides an interface for efficiently wr
iting localized messages out to a SLF4J Logger
Bundle-DocURL: https://github.com/OpenIdentityPlatform
Bundle-License: http://www.opensource.org/licenses/CDDL-1.0

Bundle-ManifestVersion: 2
Bundle-Name: org.openidentityplatform.commons.i18n-framework.slf4j
Bundle-SymbolicName: org.openidentityplatform.commons.i18n-framework.slf
4j
Bundle-Vendor: Open Identity Platform Community
Bundle-Version: 2.0.13
Created-By: Apache Maven Bundle Plugin
Export-Package: org.forgerock.i18n.slf4j;uses:="org.slf4j,org.forgerock.
i18n";version="2.0.13"
Import-Package: org.forgerock.i18n;version="[2.0,3)",org.slf4j;version="
[1.7,2)"
Tool: Bnd-1.50.0

Found in path(s):
* /slf4j-2-0-13-jar/META-INF/MANIFEST.MF

1.467 packaging 21.3

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1.468 ptyprocess 0.7.0

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1.469 console 1.0.3

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1.472 pexpect 4.8.0

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1.473 pycparser 2.21

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pycparser -- A C parser in Python

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1.474 logrus 1.8.1

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1.475 protobuf-go 1.27.1

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1.476 esapi 2.5.3.1

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*
* @author Matt Seil (mseil .at. owasp.org)
* @updated 2017
*
* @author Jeff Williams (jeff.williams .at. aspectsecurity.com) <a
*       href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
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* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/PushbackString.java
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```
/**
   * The method is ESAPI's Key Derivation Function (KDF) that computes a
   * derived key from the {@code keyDerivationKey} for either
   * encryption / decryption or for authentication.
   * <p>
   * <b>CAUTION:</b> If this algorithm for computing derived keys from the
   * key derivation key is <i>ever</i> changed, we risk breaking backward compatibility of being
   * able to decrypt data previously encrypted with earlier / different versions
   * of this method. Therefore, do not change this unless you are 100% certain that
   * what you are doing will NOT change either of the derived keys for
   * ANY "key derivation key" AT ALL!!!
   * <p>
   * <b>NOTE:</b> This method is generally not intended to be called separately.
   * It is used by ESAPI's reference crypto implementation class {@code JavaEncryptor}
   * and might be useful for someone implementing their own replacement class,
 but
   * generally it is not something that is useful to application client code.
   *
   * @param keyDerivationKey  A key used as an input to a key derivation function
   *                          to derive other keys. This is the key that generally
   *                          is created using some key generation mechanism such as
   *                          {@link #generateSecretKey(String, int)}. The
```

```
   *                    "input" key from which the other keys are derived.
   *                      The derived key will have the same algorithm type
   *                      as this key.
   * @param keySize       The cipher's key size (in bits) for the {@code keyDerivationKey}.
   *                    Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
   *                    <b>Note:</b> The derived key will have the same size as this.
   * @param purpose       The purpose for the derived key. Must
 be either the
   *                    string "encryption" or "authenticity". Use "encryption" for
   *                   creating a derived key to use for confidentiality, and "authenticity"
   *                   for a derived key to use with a MAC to ensure message authenticity.
   * @return              The derived {@code SecretKey} to be used according
   *                    to the specified purpose. Note that this serves the same purpose
   *                    as "label" in section 5.1 of NIST SP 800-108.
   * @throws NoSuchAlgorithmException       The {@code keyDerivationKey} has an unsupported
   *                    encryption algorithm or no current JCE provider supports
   *                    "HmacSHA1".
   * @throws EncryptionException       If "UTF-8" is not supported as an encoding, then
   *                    this is thrown with the original {@code UnsupportedEncodingException}
   *
    as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
   *                    be a common encoding supported by all Java implementations. Support
   *                    for it is usually in rt.jar.) This exception is also thrown if the
   *                    requested {@code keySize} parameter exceeds the length of the number of
   *                    bytes provded in the {@code keyDerivationKey} parameter.
   * @throws InvalidKeyException     Likely indicates a coding error. Should not happen.
   * @throws EncryptionException  Throw for some precondition violations.
   * @deprecated Use same method in {@code KeyDerivationFunction} instead. This method will be
<b>removed</b> as of
   *              ESAPI release 2.3 so if you are using this, please CHANGE YOUR CODE. Note that the replacement
   *              is not a static method, so create your own wrapper if you wish, but this will soon disappear.
   */
/**

 * Return true if specified cipher mode is one of those specified in the
   * {@code ESAPI.properties} file that supports both confidentiality
   * <b>and</b> authenticity (i.e., a "combined cipher mode" as NIST refers
   * to it).
   * @param cipherMode The specified cipher mode to be used for the encryption
   *                or decryption operation.
   * @return true if the specified cipher mode is in the comma-separated list
   *         of cipher modes supporting both confidentiality and authenticity;
   *         otherwise false.
   * @see org.owasp.esapi.SecurityConfiguration#getCombinedCipherModes()
   */

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* @created 2010
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*
* @author Jeffrey Walton (noloader .at. gmail.com)
* @author Kevin Wall (kevin.w.wall .at. gmail.com)
* @author Matt Seil (matt.seil .at. owasp.org)

* @created 2022
*/

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*
* @author Jeff Williams Aspect Security
*
* @created 2007
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*

* @author Arshan Dabirsiaghi Aspect Security
* @created 2008
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*
* @author Jeff Williams Aspect Security
* @author kevin.w.wall@gmail.com
* @created 2007
*/
// Using cipher mode that supports *both* confidentiality *and* authenticity? If so, then
// If we are using a "preferred" cipher mode--i.e., one that supports *both* confidentiality and

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* @author Jeff Williams Aspect Security
* @author kevin.w.wall@gmail.com
* @created 2007
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* @author Jeff Williams Aspect Security
* @created 2009
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* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/DefaultRandomizer.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/validation/NumberValidationRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/AccessReferenceMap.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/AuthenticationCredentialsException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/EnterpriseSecurityException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/AbstractAccessReferenceMap.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/ExecutorException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/validation/DateValidationRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/filters/SecurityWrapper.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/EncryptionException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/DefaultIntrusionDetector.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/validation/IntegerValidationRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/AuthenticationException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/CertificateException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/PercentCodec.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/ValidationAvailabilityException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/Authenticator.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/validation/StringValidationRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/LegacyHTMLEntityCodec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/ValidationUploadException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/FileBasedAuthenticator.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/MySQLCodec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/IntegrityException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/crypto/ReferenceEncryptedProperties.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/validation/HTMLValidationRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/UnixCodec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/IntegerAccessReferenceMap.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/AuthenticationAccountsException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/validation/BaseValidationRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/crypto/DefaultEncryptedProperties.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/AuthenticationHostException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/RandomAccessReferenceMap.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/JavaScriptCodec.java

* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/VBScriptCodec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/DefaultUser.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/DefaultHTTPUtilities.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/EncodingException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/AuthenticationLoginException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/StringUtilities.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/AvailabilityException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/WindowsCodec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/Randomizer.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/DefaultEncoder.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/User.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/IntrusionDetector.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/Codec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/AccessControlException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/ValidationException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/OracleCodec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/validation/CreditCardValidationRule.java
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* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/java/JavaLogFactory.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/appender/EventTypeLogSupplier.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/java/JavaLogLevelHandlers.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/appender/ServerInfoSupplier.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/appender/UserInfoSupplier.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/java/JavaLogger.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/java/JavaLogBridgeImpl.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/appender/LogPrefixAppender.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/java/ESAPICustomJavaLevel.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/appender/LogAppender.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/appender/ClientInfoSupplier.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/java/JavaLogLevelHandler.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/java/ESAPIErrorJavaLevel.java
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// version.

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* @author Matt Seil (mseil .at. owasp.org)
* @created 2017
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 ~ @created 2007
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* @author Jeff Williams Aspect Security
* @author Jim Manico (jim@manico.net) Manico.net
*
* @created 2007
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*
* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/
/**
   * Executes a system command after checking that the executable exists and
   * escaping all the parameters to ensure that injection is impossible.
   * Implementations must change to the specified working
   * directory before invoking the command.
   *
   * @param executable
   *          the command to
 execute
   * @param params
   *          the parameters of the command being executed
   * @param workdir
   *          the working directory
   * @param codec
   *          the codec to use to encode for the particular OS in use
   * @param logParams
   *          use false if any parameters contains sensitive or confidential information
   *
   * @return the output of the command being run
   *
   * @throws ExecutorException
   *           the service exception
   */
```

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* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/slf4j/Slf4JLogger.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/slf4j/Slf4JLogLevelHandlers.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/cleaning/CodecLogScrubber.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/slf4j/Slf4JLogFactory.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/slf4j/Slf4JLogLevelHandler.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/cleaning/LogScrubber.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/slf4j/Slf4JLogBridge.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/logging/slf4j/Slf4JLogBridgeImpl.java
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* @author Mike Fauzy Aspect Security
* @author Rogan Dawes Aspect Security
* @created 2008
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* @author Matt Seil (mseil .at. owasp.org)
* @created 2017
*
* @author Jeff Williams (jeff.williams .at. aspectsecurity.com) <a
*       href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/
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Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/AbstractIntegerCodec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/HTMLEntityCodec.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/AbstractCharacterCodec.java
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```
/**
   * This methods adds a provider to the {@code SecurityManager}
   * either by some generic name or by the class name.
   * </p><p>
   * The following generic JCE provider names are built-in:
   * <ul>
   * <li>SunJCE</li>
   * <li>IBMJCE [for WebSphere]</li>
   * <li>GnuCrypto [for use with GNU Compiler for Java, i.e., gcj]</li>
```

```
   * <li>BC [i.e., Bouncy Castle]</li>
   * <li>IAIK</li>
   * <li>CryptixCrypto (or Cryptix)
   * <li>ABA
   * </ul>
   * Note that neither Cryptix or ABA are actively maintained so
   * it is recommended that you do not start using them for ESAPI
   * unless your application already has a dependency on them. Furthermore,
   * the Cryptix JCE jars likely will not work as the Cryptix code signing
   * certificate has expired as of August 28, 2009. (This likely is true
   * for ABA, but I can't even find a copy to download!). Lastly, the IAIK
   *
provider is no longer offered as free, open source. It is not a
   * commercial product. See {@link "http://jce.iaik.tugraz.at/"} for
   * details. While some older versions were offered free, it is not clear
   * whether the accompanying license still allows you to use it, and if
   * it does, whether or not the code signing certificate used to sign
   * their JCE jar(s) has expired are not.  Therefore, if you are looking
   * for a FOSS alternative to SunJCE, Bouncy Castle
   * ({@link "http://www.bouncycastle.org/"} is probably your best bet. The
   * BC provider does support many the "combined cipher modes" that provide
   * both confidentiality and authenticity. (See the {@code ESAPI.properties}
   * property {@code Encryptor.cipher_modes.combined_modes} for details.)
   * </p><p>
   * For those working in the U.S. federal government, it should be noted
   * that <i>none</i> of the providers listed here are considered validated
   * by NIST's Cryptographic
Module Validation Program and are therefore
   * <b>not</b> considered FIPS 140-2 compliant. There are a few approved
   * JCE compatible Java libraries that are on NIST's CMVP list, but this
   * list changes constantly so they are not listed here. For further details
   * on NIST's CMVP, see
   * {@link "http://csrc.nist.gov/groups/STM/cmvp/index.html"}.
   * </p><p>
   * Finally, if you wish to use some other JCE provider not recognized above,
   * you must specify the provider's fully-qualified class name (which in
   * turn must have a public, no argument constructor).
   * </p><p>
   * The application must be given the {@code SecurityPermission} with a
   * value of {@code insertProvider.&lt;provider_name&gt;} (where
   * &lt;provider_name&gt; is the name of the algorithm provider if
   * a security manager is installed.
   * </p>
   *
   * @param algProvider Name of the JCE algorithm provider. If the name
   *                    contains a
"."
, this is interpreted as the name
   *                    of a {@code java.security.Provider} class name.
```

```
   * @param pos        The preference position (starting at 1) that the
   *                   caller would like for this provider. If you wish
   *                   for it to be installed as the <i>last</i> provider
   *                   (as of the time of this call), set {@code pos} to -1.
   * @return The actual preference position at which the provider was added,
   *         or -1 if the provider was not added because it is already
   *         installed.
   * @exception NoSuchProviderException - thrown if the provider class
   *         could not be loaded or added to the {@code SecurityManager} or
   *         any other reason for failure.
   */
```

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/crypto/SecurityProviderLoader.java
No license file was found, but licenses were detected in source scan.

```
/*
* OWASP Enterprise Security API (ESAPI)
*
* This file is part of the Open Worldwide Application Security Project (OWASP)
* Enterprise Security API (ESAPI) project. For details, please see
* <a href="http://www.owasp.org/index.php/ESAPI">http://www.owasp.org/index.php/ESAPI</a>.
*
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*
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* LICENSE before you use, modify, and/or redistribute this software.
*
* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/
```

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/Validator.java
No license file was found, but licenses were detected in source scan.

```
/**
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*
```

* @author Arshan Dabirsiaghi Aspect Security
* @created 2009
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/internal/InterceptingServletOutputStream.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/DetectOutboundContentRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/EnforceHTTPSRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/actions/BlockAction.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/PathExtensionRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/BeanShellRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/IPRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/actions/RedirectAction.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/actions/DoNothingAction.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/RestrictContentTypeRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/ReplaceContentRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/AddSecureFlagRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/internal/InterceptingHTTPServletResponse.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/GeneralAttackSignatureRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/RuleUtil.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/internal/InterceptingHTTPServletRequest.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/AddHTTPOnlyFlagRule.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/actions/Action.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/internal/Parameter.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/configuration/ConfigurationParser.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/SimpleVirtualPatchRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/MustMatchRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/RestrictUserAgentRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/HTTPMethodRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/ConfigurationException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/configuration/AppGuardianConfiguration.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/Rule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/internal/InterceptingPrintWriter.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/ESAPIWebApplicationFirewallFilter.java
*
 /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/actions/DefaultAction.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/AddHeaderRule.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/waf/rules/AuthenticatedRule.java
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*
* @author Mike Fauzy Aspect Security
* @author Jeff Williams Aspect Security
* @created 2007
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/accesscontrol/FileBasedACRs.java
No license file was found, but licenses were detected in source scan.

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*
* @author Jeff Williams Aspect Security
* @created 2007
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/EncryptedProperties.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/HTTPUtilities.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/Logger.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/Encoder.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/AccessController.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/PropNames.java
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*
* @author Jeff Williams Aspect Security
* @created 2007
*/
/**
   * {@inheritDoc}
   *
   * The reference implementation sets the work directory, escapes the parameters as per the Codec in use,
   * and then executes the command without using concatenation. The exact, absolute, canonical path of each
   * executable must be listed as an approved executable in the ESAPI properties.
 The executable must also
   * exist on the disk. All failures will be logged, along with parameters if specified. Set the logParams to false if
   * you are going to invoke this interface with confidential information.
   */

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/reference/DefaultExecutor.java
No license file was found, but licenses were detected in source scan.

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* OWASP Enterprise Security API (ESAPI)
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* LICENSE before you use, modify, and/or redistribute this software.
*
* @author Matt Seil (mseil .at. owasp.org)
* @created 2017
*
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/PushbackSequence.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/AbstractPushbackSequence.java
No license file was found, but licenses were detected in source scan.

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* OWASP Enterprise Security API (ESAPI)
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*
* @author Jeff Williams Aspect Security
* @created 2007
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/tags/EncodeForHTMLAttributeTag.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/tags/EncodeForHTMLTag.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/tags/EncodeForVBScriptTag.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/tags/BaseEncodeTag.java
No license file was found, but licenses were detected in source scan.

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*

```
* @author Mike Fauzy <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/
/**
    * Return a {@code List} of strings of combined cipher modes that support
    * <b>both</b> confidentiality and authenticity. These would be preferred
    * cipher modes to use if your JCE provider supports them. If such a
    * cipher
 mode is used, no explicit <i>separate</i> MAC is calculated as part of
    * the {@code CipherText} object upon encryption nor is any attempt made
    * to verify the same on decryption.
    * </p><p>
    * The list is taken from the comma-separated list of cipher modes specified
    * by the ESAPI property
    * {@code Encryptor.cipher_modes.combined_modes}.
    *
    * @return The parsed list of comma-separated cipher modes if the property
    * was specified in {@code ESAPI.properties}; otherwise the empty list is
    * returned.
    */
```

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/SecurityConfiguration.java
No license file was found, but licenses were detected in source scan.

```
/**
* <p>Encodes and decodes to and from Base64 notation.</p>
* <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>
* (based on version 2.2.2).</p>
*
* <p>The <tt>options</tt> parameter, which appears in a few places, is used to pass
* several pieces of information to the encoder. In the "higher level" methods such as
* encodeBytes( bytes, options ) the options parameter can be used to indicate such
* things as first gzipping the bytes before encoding them, not inserting linefeeds
* (though that breaks strict Base64 compatibility), and encoding using the URL-safe
* and Ordered dialects.</p>
*
* <p>The constants defined in Base64 can be OR-ed together to combine options, so you
* might make a call like this:</p>
*
* <code>String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES
);</code>
*
* <p>to compress the data before encoding it and then making
 the output have no newline characters.</p>
*
*
```

```
* <p>
* Original change Log:
* </p>
* <ul>
*  <li>v2.2.2 - Fixed encodeFileToFile and decodeFileToFile to use the
*   Base64.InputStream class to encode and decode on the fly which uses
*   less memory than encoding/decoding an entire file into memory before writing.</li>
*  <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
*   when using very small files (~< 40 bytes).</li>
*  <li>v2.2 - Added some helper methods for encoding/decoding directly from
*   one file to the next. Also added a main() method to support command line
*   encoding/decoding from one file to the next. Also added these Base64 dialects:
*   <ol>
*   <li>The default is RFC3548 format.</li>
*   <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
*   URL and file name friendly format as described in Section 4 of RFC3548.
*   http://www.faqs.org/rfcs/rfc3548.html</li>
*   <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT)
 generates
*   URL and file name friendly format that preserves lexical ordering as described
*   in http://www.faqs.org/qa/rfcc-1940.html</li>
*   </ol>
*   Special thanks to Jim Kellerman at <a href="http://www.powerset.com/">http://www.powerset.com/</a>
*   for contributing the new Base64 dialects.
*  </li>
*
*  <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
*   some convenience methods for reading and writing to and from files.</li>
*  <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
*   with other encodings (like EBCDIC).</li>
*  <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the
*   encoded data was a single byte.</li>
*  <li>v2.0 - I got rid of methods that used booleans to set options.
*   Now everything is more consolidated and cleaner. The code now detects
*   when data that's being decoded is gzip-compressed and will decompress it
*   automatically.
 Generally things are cleaner. You'll probably have to
*   change some method calls that you were making to support the new
*   options format (<tt>int</tt>s that you "OR" together).</li>
*  <li>v1.5.1 - Fixed bug when decompressing and decoding to a
*   byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>.
*   Added the ability to "suspend" encoding in the Output Stream so
*   you can turn on and off the encoding if you need to embed base64
*   data in an otherwise "normal" stream (like an XML file).</li>
*  <li>v1.5 - Output stream pases on flush() command but doesn't do anything itself.
*     This helps when using GZIP streams.
*     Added the ability to GZip-compress objects before encoding them.</li>
*  <li>v1.4 - Added helper methods to read/write files.</li>
```

```
*  <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
*  <li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
*      where last buffer
 being read, if not completely full, was not returned.</li>
*  <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
*  <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* </ul>
*
* <p>
* I am placing this code in the Public Domain. Do with it as you will.
* This software comes with no guarantees or warranties but with
* plenty of well-wishing instead!
* Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a>
* periodically to check for updates or to contribute improvements.
* </p>
*
* @author Robert Harder
* @author rob@iharder.net
* @version 2.2.2
*/
```

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/Base64.java
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```
/**
* OWASP Enterprise Security API (ESAPI)
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*
* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/
```

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/codecs/CSSCodec.java
No license file was found, but licenses were detected in source scan.

```
/**
   * The method is ESAPI's Key Derivation Function (KDF) that computes a
   * derived key from the {@code keyDerivationKey} for either
```

```
   * encryption / decryption or for authentication.
   * <p>
   * <b>CAUTION:</b> If this algorithm for computing derived keys from the
   * key derivation key is <i>ever</i> changed, we risk breaking backward compatibility of being
   * able to decrypt data previously encrypted with earlier / different versions
   * of this method. Therefore, do not change this unless you are 100% certain that
   * what you are doing will NOT change either of the derived keys for
   * ANY "key derivation key" AT ALL!!!
   * <p>
   * <b>NOTE:</b> This method is generally not intended to be called separately.
   * It is used by ESAPI's reference crypto implementation class {@code JavaEncryptor}
   * and might be useful for someone implementing their own replacement class,
but
   * generally it is not something that is useful to application client code.
   *
   * @param keyDerivationKey  A key used as an input to a key derivation function
   *                          to derive other keys. This is the key that generally
   *                          is created using some key generation mechanism such as
   *                          {@link CryptoHelper#generateSecretKey(String, int)}. The
   *                          "input" key from which the other keys are derived.
   *                            The derived key will have the same algorithm type
   *                            as this key. This KDK cannot be null.
   * @param keySize        The cipher's key size (in bits) for the {@code keyDerivationKey}.
   *                       Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
   *                       <b>Note:</b> The derived key will have the same size as this.
   * @param purpose
  The purpose for the derived key. <b>IMPORTANT:</b> For the ESAPI reference implementation,
   *                       {@code JavaEncryptor}, this <i>must</i> be either the string "encryption" or
   *                       "authenticity", where "encryption" is used for creating a derived key to use
   *                       for confidentiality, and "authenticity" is used for creating a derived key to
   *                       use with a MAC to ensure message authenticity. However, since parameter serves
   *                       the same purpose as the "Label" in section 5.1 of NIST SP 800-108, it really can
   *                       be set to anything other than {@code null} or an empty string when called outside
   *                       of ESAPI's {@code JavaEncryptor} reference implementation (but you must consistent).
   * @return                The derived {@code SecretKey} to be used according
   *                       to the specified purpose.
    * @throws NoSuchAlgorithmException        The {@code keyDerivationKey} has an unsupported
   *                       encryption algorithm or no current JCE provider supports requested
   *                       Hmac algorithrm used for the PRF for key generation.
   * @throws EncryptionException        If "UTF-8" is not supported as an encoding, then
   *                       this is thrown with the original {@code UnsupportedEncodingException}
   *                       as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
   *                       be a common encoding supported by all Java implementations. Support
   *                       for it is usually in rt.jar.) This exception is also thrown if the
   *                       requested {@code keySize} parameter exceeds the length of the number of
   *                       bytes provded in the {@code keyDerivationKey} parameter.
   * @throws InvalidKeyException
```

Likely indicates a coding error. Should not happen.
* @throws EncryptionException Throw for some precondition violations.
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/crypto/KeyDerivationFunction.java
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*
* @author   Jeff Williams Aspect Security
* @created   February 6, 2009
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/filters/ClickjackFilter.java
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*
* @author Jeff Williams Aspect Security
* @created 2007
*/
/**
* An IntrusionException should be thrown anytime an error condition arises that is likely to be the result of an attack
* in progress. IntrusionExceptions are handled specially by the IntrusionDetector, which is equipped to respond by
* either specially logging the event, logging out the current user, or invalidating the

current user's account.
* <P>
* Unlike other exceptions in the ESAPI, the IntrusionException is a RuntimeException so that it can be thrown from
* anywhere and will not require a lot of special exception handling.
*
* @author Jeff Williams (jeff.williams@aspectsecurity.com)
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/IntrusionException.java
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*
* @author Patrick Higgins
* @created 2010
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Found in path(s):
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* @author Jeff Williams Aspect Security
* @created 2007
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/EncryptionRuntimeException.java
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/errors/EnterpriseSecurityRuntimeException.java
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*
* @author Rogan DawesAspect Security
* @created 2008
*/

Found in path(s):
* /esapi-2-5-3-1-sources-jar/org/owasp/esapi/LogFactory.java

1.477 python-certifi 2021.10.8

1.477.1 Available under license :

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Version 2.0
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file (certdata.txt). This file can be found in the mozilla source tree:
http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#

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1.478 six 1.16.0

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click-contrib
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As the userbase of Click grows, more and more major feature requests pop up in Click's bugtracker. As reasonable as it may be for those features to be bundled with Click instead of being a standalone project, many of those requested features are either highly experimental or have unproven practical use, while potentially being a burden to maintain.

This is why click-contrib_ exists. The GitHub organization is a collection of possibly experimental third-party packages whose featureset does not belong into Click, but also a playground for major features that may be added to Click in the future. It is also meant to coordinate and concentrate effort on writing third-party extensions for Click, and to ease the effort of searching for such extensions. In that sense it could be described as a low-maintenance alternative to extension repositories of other frameworks.

Please
note that the quality and stability of those packages may be different
than what you expect from Click itself. While published under a common

organization, they are still projects separate from Click.

.. _click-contrib: https://github.com/click-contrib/

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* /pallets-click-8-1-2-0-g030f53c-1-tar-gz/pallets-click-45884f3/docs/contrib.rst
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1.482 bcpkix-fips 2.1.9

1.482.1 Available under license :

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```
/**
    * Base constructor.
    * <p>
    * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
    * </p>
    * <p>
    * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
    * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
    * If *.com is in the known suffixes list will not be allowed to match.
    * </p>
    *
    * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }
    */
```

Found in path(s):
* /bcpkix-fips-2-1-9-sources-jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java

1.483 pika 1.2.0

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1.484 distlib 0.3.4

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A. HISTORY OF THE SOFTWARE
==========

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 (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is 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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
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2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to

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distlib has started off using some of the code from distutil2.

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- David Barnett
- Pior Bastida
- Anthony Baxter
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1.486 cryptography 36.0.2

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1.489 x-net 0.8.0

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1.490 urllib3 1.26.18

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1.491 javax-el-api 3.0.0

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1.492 twisted 22.2.0

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/*
 Author: Jacob Hookom
 Email: jacob at hookom.net
      Author: Kin-man Chung
*/

/* == Option Declaration == */
options
{
 STATIC=false;
 NODE_PREFIX="Ast";
 VISITOR_EXCEPTION="javax.el.ELException";
 VISITOR=false;
 MULTI=true;
 NODE_DEFAULT_VOID=true;
 JAVA_UNICODE_ESCAPE=false;
  UNICODE_INPUT=true;
 BUILD_NODE_FILES=true;
}

/* == Parser Declaration == */
PARSER_BEGIN( ELParser )
package com.sun.el.parser;
import java.io.StringReader;
import javax.el.ELException;
public class ELParser
{
  public static Node parse(String ref) throws ELException
  {
     try {
      return (new ELParser(new StringReader(ref))).CompositeExpression();
     } catch (ParseException pe) {
        throw new ELException(pe.getMessage());
     }
  }
}
PARSER_END( ELParser )

/*
* CompositeExpression
```

```
* Allow most flexible parsing, restrict by examining
* type of returned node
*/
AstCompositeExpression CompositeExpression() #CompositeExpression
 : {}
{
 (DeferredExpression() | DynamicExpression() | LiteralExpression())* <EOF> { return jjtThis; }
}

/*
* LiteralExpression
* Non-EL Expression blocks
*/
void LiteralExpression() #LiteralExpression : { Token t = null; }
{
 t=<LITERAL_EXPRESSION> { jjtThis.setImage(t.image); }
}

/*
* DeferredExpression
* #{..} Expressions
*/
void DeferredExpression() #DeferredExpression : {}
{
 <START_DEFERRED_EXPRESSION> Expression() <END_EXPRESSION>
}

/*
* DynamicExpression
* ${..} Expressions
*/
void DynamicExpression() #DynamicExpression : {}
{
 <START_DYNAMIC_EXPRESSION> Expression() <END_EXPRESSION>
}

/*
* Expression
* EL Expression Language Root, goes to Choice
*/
void Expression() : {}
{
 Choice()
}

/*
* Choice
* For Choice markup a ? b : c, then Or
```

```
*/
void Choice() : {}
{
 Or() (<QUESTIONMARK> Choice() <COLON> Choice() #Choice(3))?
}

/*
* Or
* For 'or' '||', then And
*/
void Or() : {}
{
 And() ((<OR0>|<OR1>) And() #Or(2))*
}

/*
* And
* For 'and'
 '&&', then Equality
*/
void And() : {}
{
 Equality() ((<AND0>|<AND1>) Equality() #And(2))*
}

/*
* Equality
* For '==' 'eq' '!=' 'ne', then Compare
*/
void Equality() : {}
{
 Compare()
 (
  ((<EQ0>|<EQ1>) Compare() #Equal(2))
 |
  ((<NE0>|<NE1>) Compare() #NotEqual(2))
 )*
}

/*
* Compare
* For a bunch of them, then Math
*/
void Compare() : {}
{
 Math()
 (
  ((<LT0>|<LT1>) Math() #LessThan(2))
```

```
|
 ((<GT0>|<GT1>) Math() #GreaterThan(2))
|
 ((<LE0>|<LE1>) Math() #LessThanEqual(2))
|
 ((<GE0>|<GE1>) Math() #GreaterThanEqual(2))
 )*
}

/*
* Math
* For '+' '-', then Multiplication
*/
void Math() : {}
{
 Multiplication()
 (
  (<PLUS> Multiplication() #Plus(2))
|
  (<MINUS> Multiplication() #Minus(2))
 )*
}

/*
* Multiplication
* For a bunch of them, then Unary
*/
void Multiplication() : {}
{
 Unary()
 (
  (<MULT> Unary() #Mult(2))
|
  ((<DIV0>|<DIV1>) Unary() #Div(2))
|
  ((<MOD0>|<MOD1>) Unary() #Mod(2))
 )*
}

/*
* Unary
* For '-' '!' 'not' 'empty', then Value
*/
void
 Unary() : {}
{
  <MINUS> Unary() #Negative
|
```

```
 (<NOT0>|<NOT1>) Unary() #Not
|
 <EMPTY> Unary() #Empty
|
 Value()
}

/*
* Value
* Defines Prefix plus zero or more Suffixes
*/
void Value() : {}
{
 (ValuePrefix() (ValueSuffix())*) #Value(>1)
}

/*
* ValuePrefix
* For Literals, Variables, and Functions
*/
void ValuePrefix() : {}
{
 Literal()
 | NonLiteral()
}

/*
* ValueSuffix
* Either dot or bracket notation
*/
void ValueSuffix() : {}
{
 DotSuffix() | BracketSuffix()
}

/*
* DotSuffix
* Dot Property and Dot Method
*/
void DotSuffix() #DotSuffix : { Token t = null; }
{
      <DOT> t=<IDENTIFIER> { jjtThis.setImage(t.image); }
      ( (<LPAREN> (Expression() (<COMMA> Expression())*)? <RPAREN> )
         #MethodArguments
      )?
}

/*
```

```
* BracketSuffix
* Sub Expression Suffix
*/
void BracketSuffix() #BracketSuffix : {}
{
 <LBRACK> Expression() <RBRACK>
      ( (<LPAREN> (Expression() (<COMMA> Expression())*)? <RPAREN> )
         #MethodArguments

    )?
}

/*
* NonLiteral
* For Grouped Operations, Identifiers, and Functions
*/
void NonLiteral() : {}
{
 <LPAREN> Expression() <RPAREN>
 | LOOKAHEAD(4) Function()
 | Identifier()
}

/*
* Identifier
* Java Language Identifier
*/
void Identifier() #Identifier : { Token t = null; }
{
 t=<IDENTIFIER> { jjtThis.setImage(t.image); }
}

/*
* Function
* Namespace:Name(a,b,c)
*/
void Function() #Function :
{
 Token t0 = null;
 Token t1 = null;
}
{
 t0=<IDENTIFIER> (<COLON> t1=<IDENTIFIER>)?
 {
  if (t1 != null) {
   jjtThis.setPrefix(t0.image);
   jjtThis.setLocalName(t1.image);
  } else {
```

```
  jjtThis.setLocalName(t0.image);
 }
 }
 <LPAREN> (Expression() (<COMMA> Expression())*)? <RPAREN>
}


/*
* Literal
* Reserved Keywords
*/
void Literal() : {}
{
 Boolean()
 | FloatingPoint()
 | Integer()
 | String()
 | Null()
}

/*
* Boolean
* For 'true' 'false'
*/
void Boolean() : {}
{
 <TRUE> #True
 | <FALSE> #False
}

/*
* FloatinPoint
* For Decimal and Floating Point Literals
*/
void
 FloatingPoint() #FloatingPoint : { Token t = null; }
{
 t=<FLOATING_POINT_LITERAL> { jjtThis.setImage(t.image); }
}

/*
* Integer
* For Simple Numeric Literals
*/
void Integer() #Integer : { Token t = null; }
{
 t=<INTEGER_LITERAL> { jjtThis.setImage(t.image); }
}
```

```
/*
* String
* For Quoted Literals
*/
void String() #String : { Token t = null; }
{
 t=<STRING_LITERAL> { jjtThis.setImage(t.image); }
}

/*
* Null
* For 'null'
*/
void Null() #Null : {}
{
 <NULL>
}


/*
================================================================================
== */
<DEFAULT> TOKEN :
{
 < LITERAL_EXPRESSION:
   ((~["\\", "$", "#"])
    | ("\\" ("\\" | "$" | "#"))
    | ("$" ~["{", "$"])
    | ("#" ~["{", "#"])
   )+
   | "$"
   | "#"
 >
|
 < START_DYNAMIC_EXPRESSION: "${" > : IN_EXPRESSION
|
 < START_DEFERRED_EXPRESSION: "#{" > : IN_EXPRESSION
}

<DEFAULT> SKIP : { "\\" }

<IN_EXPRESSION> SKIP : { " " | "\t" | "\n" | "\r" }

<IN_EXPRESSION> TOKEN :
{
 < INTEGER_LITERAL: ["0"-"9"]
```

```
 (["0"-"9"])* >
| < FLOATING_POINT_LITERAL: (["0"-"9"])+ "." (["0"-"9"])* (<EXPONENT>)?
  | "." (["0"-"9"])+ (<EXPONENT>)?
  | (["0"-"9"])+ <EXPONENT>
 >
| < #EXPONENT: ["e","E"] (["+","-"])? (["0"-"9"])+ >
| < STRING_LITERAL: ("\"" ((~["\"","\\"])
  | ("\\" ( ["\\","\""] )))* "\"")
  | ("\'" ((~["\'","\\"])
  | ("\\" ( ["\\","\'"] )))* "\'")
 >
| < BADLY_ESCAPED_STRING_LITERAL: ("\"" (~["\"","\\"])* ("\\" ( ~["\\","\""] )))
  | ("\'" (~["\'","\\"])* ("\\" ( ~["\\","\'"] )))
 >
| < TRUE : "true" >
| < FALSE : "false" >
| < NULL : "null" >
| < END_EXPRESSION : "}" > : DEFAULT
| < DOT : "." >
| < LPAREN : "(" >
| < RPAREN : ")" >
| < LBRACK : "[" >
| < RBRACK : "]" >
| < COLON : ":" >
| < COMMA : "," >
| < GT0 : ">" >
| < GT1 : "gt" >
| < LT0 : "<" >
| < LT1 : "lt" >
| < GE0 : ">=" >
| < GE1 : "ge" >
| < LE0 : "<=" >
| < LE1 : "le" >
| < EQ0 : "==" >
| < EQ1 : "eq" >
| < NE0 : "!=" >
| < NE1 : "ne" >
| < NOT0 : "!" >
| < NOT1 : "not" >
| < AND0 : "&&" >
| < AND1 : "and" >
| < OR0 :
 "||" >
| < OR1 : "or" >
| < EMPTY : "empty" >
| < INSTANCEOF : "instanceof" >
| < MULT : "*" >
| < PLUS : "+" >
```

```
| < MINUS : "-" >
| < QUESTIONMARK : "?" >
| < DIV0 : "/" >
| < DIV1 : "div" >
| < MOD0 : "%" >
| < MOD1 : "mod" >
| < IDENTIFIER : (<LETTER>|<IMPL_OBJ_START>) (<LETTER>|<DIGIT>)* >
| < #IMPL_OBJ_START: "#" >
| < #LETTER:
  [
  "\u0024",
  "\u0041"-"\u005a",
  "\u005f",
  "\u0061"-"\u007a",
  "\u00c0"-"\u00d6",
  "\u00d8"-"\u00f6",
  "\u00f8"-"\u00ff",
  "\u0100"-"\u1fff",
  "\u3040"-"\u318f",
  "\u3300"-"\u337f",
  "\u3400"-"\u3d2d",
  "\u4e00"-"\u9fff",
  "\uf900"-"\ufaff"
  ]
 >
| < #DIGIT:
  [
  "\u0030"-"\u0039",
  "\u0660"-"\u0669",
  "\u06f0"-"\u06f9",
  "\u0966"-"\u096f",
  "\u09e6"-"\u09ef",
  "\u0a66"-"\u0a6f",
  "\u0ae6"-"\u0aef",
  "\u0b66"-"\u0b6f",
  "\u0be7"-"\u0bef",
  "\u0c66"-"\u0c6f",
  "\u0ce6"-"\u0cef",
  "\u0d66"-"\u0d6f",
  "\u0e50"-"\u0e59",
  "\u0ed0"-"\u0ed9",
  "\u1040"-"\u1049"
  ]
 >
| < ILLEGAL_CHARACTER: (~[]) >
}
```

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* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstEqual.java
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* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstNull.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/lang/ELSupport.java
*
 /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstAnd.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/TokenMgrError.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstEmpty.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstBracketSuffix.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstNot.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstOr.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/SimpleNode.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstString.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/ValueExpressionLiteral.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/ParseException.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstFloatingPoint.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/lang/VariableMapperImpl.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/Token.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstDynamicExpression.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstDeferredExpression.java
*
 /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstTrue.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/MethodExpressionLiteral.java
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* /javax-el-2-2-3-sources-2-jar/com/sun/el/util/MessageFactory.java
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* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstNegative.java
*
 /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstLessThan.java
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* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstGreaterThan.java
* /javax-el-2-2-3-sources-2-jar/com/sun/el/lang/EvaluationContext.java
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* /javax-el-2-2-3-sources-2-jar/com/sun/el/parser/AstMethodArguments.java
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1.494 jboss-logging 3.1.1

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1.498 asm 6.0

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class java/applet/Applet$AccessibleApplet java/awt/Panel$AccessibleAWTPanel
java/applet/Applet$AccessibleApplet serialVersionUID
java/applet/Applet$AccessibleApplet this$0
java/applet/Applet$AccessibleApplet <init>(Ljava/applet/Applet;)V
java/applet/Applet$AccessibleApplet getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/applet/Applet$AccessibleApplet getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
class java/applet/AppletContext java/lang/Object
java/applet/AppletContext getAudioClip(Ljava/net/URL;)Ljava/applet/AudioClip;
java/applet/AppletContext getImage(Ljava/net/URL;)Ljava/awt/Image;
java/applet/AppletContext getApplet(Ljava/lang/String;)Ljava/applet/Applet;
java/applet/AppletContext getApplets()Ljava/util/Enumeration;
java/applet/AppletContext showDocument(Ljava/net/URL;)V
java/applet/AppletContext showDocument(Ljava/net/URL;Ljava/lang/String;)V
java/applet/AppletContext showStatus(Ljava/lang/String;)V
java/applet/AppletContext
setStream(Ljava/lang/String;Ljava/io/InputStream;)V
java/applet/AppletContext getStream(Ljava/lang/String;)Ljava/io/InputStream;
java/applet/AppletContext getStreamKeys()Ljava/util/Iterator;
class java/applet/AppletStub java/lang/Object
java/applet/AppletStub isActive()Z
java/applet/AppletStub getDocumentBase()Ljava/net/URL;
java/applet/AppletStub getCodeBase()Ljava/net/URL;
java/applet/AppletStub getParameter(Ljava/lang/String;)Ljava/lang/String;
java/applet/AppletStub getAppletContext()Ljava/applet/AppletContext;
java/applet/AppletStub appletResize(II)V
class java/applet/AudioClip java/lang/Object
java/applet/AudioClip play()V
java/applet/AudioClip loop()V
java/applet/AudioClip stop()V
class java/awt/AWTEvent$1 java/lang/Object
java/awt/AWTEvent$1 <init>()V
java/awt/AWTEvent$1 run()Ljava/lang/Object;

class java/awt/AWTException java/lang/Exception
java/awt/AWTException serialVersionUID
java/awt/AWTException <init>(Ljava/lang/String;)V
class
 java/awt/AttributeValue java/lang/Object
java/awt/AttributeValue value
java/awt/AttributeValue names
java/awt/AttributeValue dbg
java/awt/AttributeValue <init>(I[Ljava/lang/String;)V
java/awt/AttributeValue hashCode()I
java/awt/AttributeValue toString()Ljava/lang/String;
java/awt/AttributeValue <clinit>()V
class java/awt/BasicStroke$FillAdapter java/lang/Object
java/awt/BasicStroke$FillAdapter closed
java/awt/BasicStroke$FillAdapter path
java/awt/BasicStroke$FillAdapter this$0
java/awt/BasicStroke$FillAdapter <init>(Ljava/awt/BasicStroke;)V
java/awt/BasicStroke$FillAdapter getShape()Ljava/awt/Shape;
java/awt/BasicStroke$FillAdapter dispose()V
java/awt/BasicStroke$FillAdapter getConsumer()Lsun/dc/path/PathConsumer;
java/awt/BasicStroke$FillAdapter beginPath()V
java/awt/BasicStroke$FillAdapter beginSubpath(FF)V
java/awt/BasicStroke$FillAdapter appendLine(FF)V
java/awt/BasicStroke$FillAdapter appendQuadratic(FFFF)V
java/awt/BasicStroke$FillAdapter appendCubic(FFFFFF)V
java/awt/BasicStroke$FillAdapter
 closedSubpath()V
java/awt/BasicStroke$FillAdapter endPath()V
java/awt/BasicStroke$FillAdapter useProxy(Lsun/dc/path/FastPathProducer;)V
java/awt/BasicStroke$FillAdapter getCPathConsumer()J
class java/awt/BufferCapabilities$FlipContents java/awt/AttributeValue
java/awt/BufferCapabilities$FlipContents I_UNDEFINED
java/awt/BufferCapabilities$FlipContents I_BACKGROUND
java/awt/BufferCapabilities$FlipContents I_PRIOR
java/awt/BufferCapabilities$FlipContents I_COPIED
java/awt/BufferCapabilities$FlipContents NAMES
java/awt/BufferCapabilities$FlipContents UNDEFINED
java/awt/BufferCapabilities$FlipContents BACKGROUND
java/awt/BufferCapabilities$FlipContents PRIOR
java/awt/BufferCapabilities$FlipContents COPIED
java/awt/BufferCapabilities$FlipContents <init>(I)V
java/awt/BufferCapabilities$FlipContents <clinit>()V
class java/awt/BufferCapabilities java/lang/Object
java/awt/BufferCapabilities frontCaps
java/awt/BufferCapabilities backCaps
java/awt/BufferCapabilities flipContents
java/awt/BufferCapabilities

<init>(Ljava/awt/ImageCapabilities;Ljava/awt/ImageCapabilities;Ljava/awt/BufferCapabilities$FlipContents;)V
java/awt/BufferCapabilities getFrontBufferCapabilities()Ljava/awt/ImageCapabilities;
java/awt/BufferCapabilities getBackBufferCapabilities()Ljava/awt/ImageCapabilities;
java/awt/BufferCapabilities isPageFlipping()Z
java/awt/BufferCapabilities getFlipContents()Ljava/awt/BufferCapabilities$FlipContents;
java/awt/BufferCapabilities isFullScreenRequired()Z
java/awt/BufferCapabilities isMultiBufferAvailable()Z
java/awt/BufferCapabilities clone()Ljava/lang/Object;
class java/awt/Button$AccessibleAWTButton java/awt/Component$AccessibleAWTComponent
java/awt/Button$AccessibleAWTButton serialVersionUID
java/awt/Button$AccessibleAWTButton this$0
java/awt/Button$AccessibleAWTButton <init>(Ljava/awt/Button;)V
java/awt/Button$AccessibleAWTButton getAccessibleName()Ljava/lang/String;
java/awt/Button$AccessibleAWTButton getAccessibleAction()Ljavax/accessibility/AccessibleAction;
java/awt/Button$AccessibleAWTButton
getAccessibleValue()Ljavax/accessibility/AccessibleValue;
java/awt/Button$AccessibleAWTButton getAccessibleActionCount()I
java/awt/Button$AccessibleAWTButton getAccessibleActionDescription(I)Ljava/lang/String;
java/awt/Button$AccessibleAWTButton doAccessibleAction(I)Z
java/awt/Button$AccessibleAWTButton getCurrentAccessibleValue()Ljava/lang/Number;
java/awt/Button$AccessibleAWTButton setCurrentAccessibleValue(Ljava/lang/Number;)Z
java/awt/Button$AccessibleAWTButton getMinimumAccessibleValue()Ljava/lang/Number;
java/awt/Button$AccessibleAWTButton getMaximumAccessibleValue()Ljava/lang/Number;
java/awt/Button$AccessibleAWTButton getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/Button java/awt/Component
java/awt/Button label
java/awt/Button actionCommand
java/awt/Button actionListener
java/awt/Button base
java/awt/Button nameCounter
java/awt/Button serialVersionUID
java/awt/Button buttonSerializedDataVersion
java/awt/Button
initIDs()V
java/awt/Button <init>()V
java/awt/Button <init>(Ljava/lang/String;)V
java/awt/Button constructComponentName()Ljava/lang/String;
java/awt/Button addNotify()V
java/awt/Button getLabel()Ljava/lang/String;
java/awt/Button setLabel(Ljava/lang/String;)V
java/awt/Button setActionCommand(Ljava/lang/String;)V
java/awt/Button getActionCommand()Ljava/lang/String;
java/awt/Button addActionListener(Ljava/awt/event/ActionListener;)V
java/awt/Button removeActionListener(Ljava/awt/event/ActionListener;)V
java/awt/Button getActionListeners()[Ljava/awt/event/ActionListener;
java/awt/Button getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/Button eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/Button processEvent(Ljava/awt/AWTEvent;)V

java/awt/Button processActionEvent(Ljava/awt/event/ActionEvent;)V
java/awt/Button paramString()Ljava/lang/String;
java/awt/Button writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Button readObject(Ljava/io/ObjectInputStream;)V
java/awt/Button
 getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Button <clinit>()V
class java/awt/Canvas$AccessibleAWTCanvas java/awt/Component$AccessibleAWTComponent
java/awt/Canvas$AccessibleAWTCanvas serialVersionUID
java/awt/Canvas$AccessibleAWTCanvas this$0
java/awt/Canvas$AccessibleAWTCanvas <init>(Ljava/awt/Canvas;)V
java/awt/Canvas$AccessibleAWTCanvas getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/Checkbox$AccessibleAWTCheckbox java/awt/Component$AccessibleAWTComponent
java/awt/Checkbox$AccessibleAWTCheckbox serialVersionUID
java/awt/Checkbox$AccessibleAWTCheckbox this$0
java/awt/Checkbox$AccessibleAWTCheckbox <init>(Ljava/awt/Checkbox;)V
java/awt/Checkbox$AccessibleAWTCheckbox itemStateChanged(Ljava/awt/event/ItemEvent;)V
java/awt/Checkbox$AccessibleAWTCheckbox getAccessibleAction()Ljavax/accessibility/AccessibleAction;
java/awt/Checkbox$AccessibleAWTCheckbox getAccessibleValue()Ljavax/accessibility/AccessibleValue;
java/awt/Checkbox$AccessibleAWTCheckbox
 getAccessibleActionCount()I
java/awt/Checkbox$AccessibleAWTCheckbox getAccessibleActionDescription(I)Ljava/lang/String;
java/awt/Checkbox$AccessibleAWTCheckbox doAccessibleAction(I)Z
java/awt/Checkbox$AccessibleAWTCheckbox getCurrentAccessibleValue()Ljava/lang/Number;
java/awt/Checkbox$AccessibleAWTCheckbox setCurrentAccessibleValue(Ljava/lang/Number;)Z
java/awt/Checkbox$AccessibleAWTCheckbox getMinimumAccessibleValue()Ljava/lang/Number;
java/awt/Checkbox$AccessibleAWTCheckbox getMaximumAccessibleValue()Ljava/lang/Number;
java/awt/Checkbox$AccessibleAWTCheckbox getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/Checkbox$AccessibleAWTCheckbox getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
class java/awt/Checkbox java/awt/Component
java/awt/Checkbox label
java/awt/Checkbox state
java/awt/Checkbox group
java/awt/Checkbox itemListener
java/awt/Checkbox base
java/awt/Checkbox nameCounter
java/awt/Checkbox serialVersionUID
java/awt/Checkbox checkboxSerializedDataVersion
java/awt/Checkbox
 setStateInternal(Z)V
java/awt/Checkbox <init>()V
java/awt/Checkbox <init>(Ljava/lang/String;)V
java/awt/Checkbox <init>(Ljava/lang/String;Z)V
java/awt/Checkbox <init>(Ljava/lang/String;ZLjava/awt/CheckboxGroup;)V
java/awt/Checkbox <init>(Ljava/lang/String;Ljava/awt/CheckboxGroup;Z)V
java/awt/Checkbox constructComponentName()Ljava/lang/String;
java/awt/Checkbox addNotify()V
java/awt/Checkbox getLabel()Ljava/lang/String;

java/awt/Checkbox setLabel(Ljava/lang/String;)V
java/awt/Checkbox getState()Z
java/awt/Checkbox setState(Z)V
java/awt/Checkbox getSelectedObjects()[Ljava/lang/Object;
java/awt/Checkbox getCheckboxGroup()Ljava/awt/CheckboxGroup;
java/awt/Checkbox setCheckboxGroup(Ljava/awt/CheckboxGroup;)V
java/awt/Checkbox addItemListener(Ljava/awt/event/ItemListener;)V
java/awt/Checkbox removeItemListener(Ljava/awt/event/ItemListener;)V
java/awt/Checkbox getItemListeners()[Ljava/awt/event/ItemListener;
java/awt/Checkbox getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/Checkbox
eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/Checkbox processEvent(Ljava/awt/AWTEvent;)V
java/awt/Checkbox processItemEvent(Ljava/awt/event/ItemEvent;)V
java/awt/Checkbox paramString()Ljava/lang/String;
java/awt/Checkbox writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Checkbox readObject(Ljava/io/ObjectInputStream;)V
java/awt/Checkbox initIDs()V
java/awt/Checkbox getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Checkbox <clinit>()V
class java/awt/CheckboxGroup java/lang/Object
java/awt/CheckboxGroup selectedCheckbox
java/awt/CheckboxGroup serialVersionUID
java/awt/CheckboxGroup <init>()V
java/awt/CheckboxGroup getSelectedCheckbox()Ljava/awt/Checkbox;
java/awt/CheckboxGroup getCurrent()Ljava/awt/Checkbox;
java/awt/CheckboxGroup setSelectedCheckbox(Ljava/awt/Checkbox;)V
java/awt/CheckboxGroup setCurrent(Ljava/awt/Checkbox;)V
java/awt/CheckboxGroup toString()Ljava/lang/String;
class java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem
java/awt/MenuItem$AccessibleAWTMenuItem
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem serialVersionUID
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem this$0
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem <init>(Ljava/awt/CheckboxMenuItem;)V
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem
getAccessibleAction()Ljavax/accessibility/AccessibleAction;
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem
getAccessibleValue()Ljavax/accessibility/AccessibleValue;
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem getAccessibleActionCount()I
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem
getAccessibleActionDescription(I)Ljava/lang/String;
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem doAccessibleAction(I)Z
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem
getCurrentAccessibleValue()Ljava/lang/Number;
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem
setCurrentAccessibleValue(Ljava/lang/Number;)Z
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem

getMinimumAccessibleValue()Ljava/lang/Number;
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem
getMaximumAccessibleValue()Ljava/lang/Number;
java/awt/CheckboxMenuItem$AccessibleAWTCheckboxMenuItem
getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/CheckboxMenuItem java/awt/MenuItem
java/awt/CheckboxMenuItem state
java/awt/CheckboxMenuItem itemListener
java/awt/CheckboxMenuItem base
java/awt/CheckboxMenuItem nameCounter
java/awt/CheckboxMenuItem serialVersionUID
java/awt/CheckboxMenuItem checkboxMenuItemSerializedDataVersion
java/awt/CheckboxMenuItem <init>()V
java/awt/CheckboxMenuItem <init>(Ljava/lang/String;)V
java/awt/CheckboxMenuItem <init>(Ljava/lang/String;Z)V
java/awt/CheckboxMenuItem constructComponentName()Ljava/lang/String;
java/awt/CheckboxMenuItem addNotify()V
java/awt/CheckboxMenuItem getState()Z
java/awt/CheckboxMenuItem setState(Z)V
java/awt/CheckboxMenuItem getSelectedObjects()[Ljava/lang/Object;
java/awt/CheckboxMenuItem
addItemListener(Ljava/awt/event/ItemListener;)V
java/awt/CheckboxMenuItem removeItemListener(Ljava/awt/event/ItemListener;)V
java/awt/CheckboxMenuItem getItemListeners()[Ljava/awt/event/ItemListener;
java/awt/CheckboxMenuItem getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/CheckboxMenuItem eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/CheckboxMenuItem processEvent(Ljava/awt/AWTEvent;)V
java/awt/CheckboxMenuItem processItemEvent(Ljava/awt/event/ItemEvent;)V
java/awt/CheckboxMenuItem doMenuEvent(JI)V
java/awt/CheckboxMenuItem paramString()Ljava/lang/String;
java/awt/CheckboxMenuItem writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/CheckboxMenuItem readObject(Ljava/io/ObjectInputStream;)V
java/awt/CheckboxMenuItem initIDs()V
java/awt/CheckboxMenuItem getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/CheckboxMenuItem <clinit>()V
class java/awt/Choice$AccessibleAWTChoice java/awt/Component$AccessibleAWTComponent
java/awt/Choice$AccessibleAWTChoice
serialVersionUID
java/awt/Choice$AccessibleAWTChoice this$0
java/awt/Choice$AccessibleAWTChoice <init>(Ljava/awt/Choice;)V
java/awt/Choice$AccessibleAWTChoice getAccessibleAction()Ljavax/accessibility/AccessibleAction;
java/awt/Choice$AccessibleAWTChoice getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/Choice$AccessibleAWTChoice getAccessibleActionCount()I
java/awt/Choice$AccessibleAWTChoice getAccessibleActionDescription(I)Ljava/lang/String;
java/awt/Choice$AccessibleAWTChoice doAccessibleAction(I)Z
class java/awt/Choice java/awt/Component
java/awt/Choice pItems
java/awt/Choice selectedIndex

java/awt/Choice itemListener
java/awt/Choice base
java/awt/Choice nameCounter
java/awt/Choice serialVersionUID
java/awt/Choice choiceSerializedDataVersion
java/awt/Choice <init>()V
java/awt/Choice constructComponentName()Ljava/lang/String;
java/awt/Choice addNotify()V
java/awt/Choice getItemCount()I
java/awt/Choice countItems()I
java/awt/Choice getItem(I)Ljava/lang/String;
java/awt/Choice
getItemImpl(I)Ljava/lang/String;
java/awt/Choice add(Ljava/lang/String;)V
java/awt/Choice addItem(Ljava/lang/String;)V
java/awt/Choice insertNoInvalidate(Ljava/lang/String;I)V
java/awt/Choice insert(Ljava/lang/String;I)V
java/awt/Choice remove(Ljava/lang/String;)V
java/awt/Choice remove(I)V
java/awt/Choice removeNoInvalidate(I)V
java/awt/Choice removeAll()V
java/awt/Choice getSelectedItem()Ljava/lang/String;
java/awt/Choice getSelectedObjects()[Ljava/lang/Object;
java/awt/Choice getSelectedIndex()I
java/awt/Choice select(I)V
java/awt/Choice select(Ljava/lang/String;)V
java/awt/Choice addItemListener(Ljava/awt/event/ItemListener;)V
java/awt/Choice removeItemListener(Ljava/awt/event/ItemListener;)V
java/awt/Choice getItemListeners()[Ljava/awt/event/ItemListener;
java/awt/Choice getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/Choice eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/Choice processEvent(Ljava/awt/AWTEvent;)V
java/awt/Choice
processItemEvent(Ljava/awt/event/ItemEvent;)V
java/awt/Choice paramString()Ljava/lang/String;
java/awt/Choice writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Choice readObject(Ljava/io/ObjectInputStream;)V
java/awt/Choice getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Choice <clinit>()V
class java/awt/ColorPaintContext java/lang/Object
java/awt/ColorPaintContext color
java/awt/ColorPaintContext savedTile
java/awt/ColorPaintContext <init>(ILjava/awt/image/ColorModel;)V
java/awt/ColorPaintContext dispose()V
java/awt/ColorPaintContext getColorModel()Ljava/awt/image/ColorModel;
java/awt/ColorPaintContext getRaster(IIII)Ljava/awt/image/Raster;
class java/awt/Component$1 java/lang/Object
java/awt/Component$1 this$0

java/awt/Component$1 <init>(Ljava/awt/Component;)V
java/awt/Component$1 run()Ljava/lang/Object;
class java/awt/Component$2 java/lang/Object
java/awt/Component$2 val$swingClass
java/awt/Component$2 this$0
java/awt/Component$2 <init>(Ljava/awt/Component;Ljava/lang/Class;)V
java/awt/Component$2
run()Ljava/lang/Object;
class java/awt/Component$3 java/lang/Object
java/awt/Component$3 val$method
java/awt/Component$3 this$0
java/awt/Component$3 <init>(Ljava/awt/Component;Ljava/lang/reflect/Method;)V
java/awt/Component$3 run()Ljava/lang/Object;
class java/awt/Component$AccessibleAWTComponent$AccessibleAWTComponentHandler java/lang/Object
java/awt/Component$AccessibleAWTComponent$AccessibleAWTComponentHandler this$1
java/awt/Component$AccessibleAWTComponent$AccessibleAWTComponentHandler
<init>(Ljava/awt/Component$AccessibleAWTComponent;)V
java/awt/Component$AccessibleAWTComponent$AccessibleAWTComponentHandler
componentHidden(Ljava/awt/event/ComponentEvent;)V
java/awt/Component$AccessibleAWTComponent$AccessibleAWTComponentHandler
componentShown(Ljava/awt/event/ComponentEvent;)V
java/awt/Component$AccessibleAWTComponent$AccessibleAWTComponentHandler
componentMoved(Ljava/awt/event/ComponentEvent;)V
java/awt/Component$AccessibleAWTComponent$AccessibleAWTComponentHandler
componentResized(Ljava/awt/event/ComponentEvent;)V
class java/awt/Component$AccessibleAWTComponent$AccessibleAWTFocusHandler java/lang/Object
java/awt/Component$AccessibleAWTComponent$AccessibleAWTFocusHandler this$1
java/awt/Component$AccessibleAWTComponent$AccessibleAWTFocusHandler
<init>(Ljava/awt/Component$AccessibleAWTComponent;)V
java/awt/Component$AccessibleAWTComponent$AccessibleAWTFocusHandler
focusGained(Ljava/awt/event/FocusEvent;)V
java/awt/Component$AccessibleAWTComponent$AccessibleAWTFocusHandler
focusLost(Ljava/awt/event/FocusEvent;)V
class java/awt/Component$BltBufferStrategy java/awt/image/BufferStrategy
java/awt/Component$BltBufferStrategy caps
java/awt/Component$BltBufferStrategy backBuffers
java/awt/Component$BltBufferStrategy validatedContents
java/awt/Component$BltBufferStrategy width
java/awt/Component$BltBufferStrategy height
java/awt/Component$BltBufferStrategy this$0
java/awt/Component$BltBufferStrategy <init>(Ljava/awt/Component;ILjava/awt/BufferCapabilities;)V
java/awt/Component$BltBufferStrategy
createBackBuffers(I)V
java/awt/Component$BltBufferStrategy getCapabilities()Ljava/awt/BufferCapabilities;
java/awt/Component$BltBufferStrategy getDrawGraphics()Ljava/awt/Graphics;
java/awt/Component$BltBufferStrategy getBackBuffer()Ljava/awt/Image;
java/awt/Component$BltBufferStrategy show()V
java/awt/Component$BltBufferStrategy revalidate()V

java/awt/Component$BltBufferStrategy contentsLost()Z
java/awt/Component$BltBufferStrategy contentsRestored()Z
class java/awt/Component$FlipBufferStrategy java/awt/image/BufferStrategy
java/awt/Component$FlipBufferStrategy numBuffers
java/awt/Component$FlipBufferStrategy caps
java/awt/Component$FlipBufferStrategy drawBuffer
java/awt/Component$FlipBufferStrategy drawVBuffer
java/awt/Component$FlipBufferStrategy validatedContents
java/awt/Component$FlipBufferStrategy this$0
java/awt/Component$FlipBufferStrategy <init>(Ljava/awt/Component;ILjava/awt/BufferCapabilities;)V
java/awt/Component$FlipBufferStrategy
createBuffers(ILjava/awt/BufferCapabilities;)V
java/awt/Component$FlipBufferStrategy getBackBuffer()Ljava/awt/Image;
java/awt/Component$FlipBufferStrategy flip(Ljava/awt/BufferCapabilities$FlipContents;)V
java/awt/Component$FlipBufferStrategy destroyBuffers()V
java/awt/Component$FlipBufferStrategy getCapabilities()Ljava/awt/BufferCapabilities;
java/awt/Component$FlipBufferStrategy getDrawGraphics()Ljava/awt/Graphics;
java/awt/Component$FlipBufferStrategy revalidate()V
java/awt/Component$FlipBufferStrategy contentsLost()Z
java/awt/Component$FlipBufferStrategy contentsRestored()Z
java/awt/Component$FlipBufferStrategy show()V
class java/awt/Component$SingleBufferStrategy java/awt/image/BufferStrategy
java/awt/Component$SingleBufferStrategy caps
java/awt/Component$SingleBufferStrategy this$0
java/awt/Component$SingleBufferStrategy <init>(Ljava/awt/Component;Ljava/awt/BufferCapabilities;)V
java/awt/Component$SingleBufferStrategy getCapabilities()Ljava/awt/BufferCapabilities;
java/awt/Component$SingleBufferStrategy
getDrawGraphics()Ljava/awt/Graphics;
java/awt/Component$SingleBufferStrategy contentsLost()Z
java/awt/Component$SingleBufferStrategy contentsRestored()Z
java/awt/Component$SingleBufferStrategy show()V
class java/awt/CompositeContext java/lang/Object
java/awt/CompositeContext dispose()V
java/awt/CompositeContext
compose(Ljava/awt/image/Raster;Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)V
class java/awt/Container$1 java/lang/Object
java/awt/Container$1 this$0
java/awt/Container$1 <init>(Ljava/awt/Container;)V
java/awt/Container$1 run()Ljava/lang/Object;
class java/awt/Container$2$1 java/lang/Object
java/awt/Container$2$1 this$1
java/awt/Container$2$1 <init>(Ljava/awt/Container$2;)V
java/awt/Container$2$1 evaluate()Z
class java/awt/Container$2 java/lang/Object
java/awt/Container$2 val$nativeContainer
java/awt/Container$2 this$0
java/awt/Container$2 <init>(Ljava/awt/Container;Ljava/awt/Container;)V
java/awt/Container$2 run()V

class
java/awt/Container$AccessibleAWTContainer$AccessibleContainerHandler java/lang/Object
java/awt/Container$AccessibleAWTContainer$AccessibleContainerHandler this$1
java/awt/Container$AccessibleAWTContainer$AccessibleContainerHandler
<init>(Ljava/awt/Container$AccessibleAWTContainer;)V
java/awt/Container$AccessibleAWTContainer$AccessibleContainerHandler
componentAdded(Ljava/awt/event/ContainerEvent;)V
java/awt/Container$AccessibleAWTContainer$AccessibleContainerHandler
componentRemoved(Ljava/awt/event/ContainerEvent;)V
class java/awt/Container$DropTargetEventTargetFilter java/lang/Object
java/awt/Container$DropTargetEventTargetFilter FILTER
java/awt/Container$DropTargetEventTargetFilter <init>()V
java/awt/Container$DropTargetEventTargetFilter accept(Ljava/awt/Component;)Z
java/awt/Container$DropTargetEventTargetFilter <clinit>()V
class java/awt/Container$EventTargetFilter java/lang/Object
java/awt/Container$EventTargetFilter accept(Ljava/awt/Component;)Z
class java/awt/Container$MouseEventTargetFilter
java/lang/Object
java/awt/Container$MouseEventTargetFilter FILTER
java/awt/Container$MouseEventTargetFilter <init>()V
java/awt/Container$MouseEventTargetFilter accept(Ljava/awt/Component;)Z
java/awt/Container$MouseEventTargetFilter <clinit>()V
class java/awt/Container$WakingRunnable java/lang/Object
java/awt/Container$WakingRunnable <init>()V
java/awt/Container$WakingRunnable run()V
class java/awt/Cursor$1 java/lang/Object
java/awt/Cursor$1 val$fileName
java/awt/Cursor$1 val$fx
java/awt/Cursor$1 val$fy
java/awt/Cursor$1 val$flocalized
java/awt/Cursor$1 <init>(Ljava/lang/String;IILjava/lang/String;)V
java/awt/Cursor$1 run()Ljava/lang/Object;
class java/awt/Cursor$2 java/lang/Object
java/awt/Cursor$2 <init>()V
java/awt/Cursor$2 run()Ljava/lang/Object;
class java/awt/Cursor$CursorDisposer sun/java2d/DisposerRecord
java/awt/Cursor$CursorDisposer pData
java/awt/Cursor$CursorDisposer <init>()V
java/awt/Cursor$CursorDisposer dispose()V
class java/awt/DefaultKeyboardFocusManager$1
java/lang/Object
java/awt/DefaultKeyboardFocusManager$1 val$se
java/awt/DefaultKeyboardFocusManager$1 val$targetAppContext
java/awt/DefaultKeyboardFocusManager$1 <init>(Ljava/awt/SentEvent;Lsun/awt/AppContext;)V
java/awt/DefaultKeyboardFocusManager$1 evaluate()Z
class java/awt/Dialog$1$1 java/lang/Object
java/awt/Dialog$1$1 this$1
java/awt/Dialog$1$1 <init>(Ljava/awt/Dialog$1;)V

java/awt/Dialog$1$1 evaluate()Z
class java/awt/Dialog$1 java/lang/Object
java/awt/Dialog$1 this$0
java/awt/Dialog$1 <init>(Ljava/awt/Dialog;)V
java/awt/Dialog$1 run()V
class java/awt/Dialog$2 java/lang/Object
java/awt/Dialog$2 val$pumpEventsForHierarchy
java/awt/Dialog$2 this$0
java/awt/Dialog$2 <init>(Ljava/awt/Dialog;Ljava/lang/Runnable;)V
java/awt/Dialog$2 run()Ljava/lang/Object;
class java/awt/Dialog$AccessibleAWTDialog java/awt/Window$AccessibleAWTWindow
java/awt/Dialog$AccessibleAWTDialog serialVersionUID
java/awt/Dialog$AccessibleAWTDialog this$0
java/awt/Dialog$AccessibleAWTDialog <init>(Ljava/awt/Dialog;)V
java/awt/Dialog$AccessibleAWTDialog
getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/Dialog$AccessibleAWTDialog getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
class java/awt/Dialog$WakingRunnable java/lang/Object
java/awt/Dialog$WakingRunnable <init>()V
java/awt/Dialog$WakingRunnable run()V
class java/awt/DisplayMode java/lang/Object
java/awt/DisplayMode size
java/awt/DisplayMode bitDepth
java/awt/DisplayMode refreshRate
java/awt/DisplayMode BIT_DEPTH_MULTI
java/awt/DisplayMode REFRESH_RATE_UNKNOWN
java/awt/DisplayMode <init>(IIII)V
java/awt/DisplayMode getHeight()I
java/awt/DisplayMode getWidth()I
java/awt/DisplayMode getBitDepth()I
java/awt/DisplayMode getRefreshRate()I
java/awt/DisplayMode equals(Ljava/awt/DisplayMode;)Z
java/awt/DisplayMode equals(Ljava/lang/Object;)Z
java/awt/DisplayMode hashCode()I
class java/awt/EventDispatchThread$StopDispatchEvent java/awt/AWTEvent
java/awt/EventDispatchThread$StopDispatchEvent this$0
java/awt/EventDispatchThread$StopDispatchEvent
<init>(Ljava/awt/EventDispatchThread;)V
java/awt/EventDispatchThread$StopDispatchEvent dispatch()V
class java/awt/FileDialog java/awt/Dialog
java/awt/FileDialog LOAD
java/awt/FileDialog SAVE
java/awt/FileDialog mode
java/awt/FileDialog dir
java/awt/FileDialog file
java/awt/FileDialog filter
java/awt/FileDialog base
java/awt/FileDialog nameCounter

java/awt/FileDialog serialVersionUID
java/awt/FileDialog initIDs()V
java/awt/FileDialog <init>(Ljava/awt/Frame;)V
java/awt/FileDialog <init>(Ljava/awt/Frame;Ljava/lang/String;)V
java/awt/FileDialog <init>(Ljava/awt/Frame;Ljava/lang/String;I)V
java/awt/FileDialog <init>(Ljava/awt/Dialog;)V
java/awt/FileDialog <init>(Ljava/awt/Dialog;Ljava/lang/String;)V
java/awt/FileDialog <init>(Ljava/awt/Dialog;Ljava/lang/String;I)V
java/awt/FileDialog constructComponentName()Ljava/lang/String;
java/awt/FileDialog addNotify()V
java/awt/FileDialog getMode()I
java/awt/FileDialog setMode(I)V
java/awt/FileDialog getDirectory()Ljava/lang/String;
java/awt/FileDialog
 setDirectory(Ljava/lang/String;)V
java/awt/FileDialog getFile()Ljava/lang/String;
java/awt/FileDialog setFile(Ljava/lang/String;)V
java/awt/FileDialog getFilenameFilter()Ljava/io/FilenameFilter;
java/awt/FileDialog setFilenameFilter(Ljava/io/FilenameFilter;)V
java/awt/FileDialog readObject(Ljava/io/ObjectInputStream;)V
java/awt/FileDialog paramString()Ljava/lang/String;
java/awt/FileDialog postsOldMouseEvents()Z
java/awt/FileDialog <clinit>()V
class java/awt/FocusManager java/lang/Object
java/awt/FocusManager focusRoot
java/awt/FocusManager focusOwner
java/awt/FocusManager serialVersionUID
java/awt/FocusManager <init>()V
class java/awt/Font$1 java/lang/Object
java/awt/Font$1 val$fStream
java/awt/Font$1 <init>(Ljava/io/InputStream;)V
java/awt/Font$1 run()Ljava/lang/Object;
class java/awt/Font$Key java/lang/Object
java/awt/Font$Key family
java/awt/Font$Key weight
java/awt/Font$Key posture
java/awt/Font$Key size
java/awt/Font$Key superscript
java/awt/Font$Key
 width
java/awt/Font$Key txdata
java/awt/Font$Key attrs
java/awt/Font$Key hashCode
java/awt/Font$Key <init>(Ljava/util/Map;)V
java/awt/Font$Key hashCode()I
java/awt/Font$Key equals(Ljava/lang/Object;)Z
class java/awt/FontFormatException java/lang/Exception
java/awt/FontFormatException <init>(Ljava/lang/String;)V

class java/awt/GradientPaint java/lang/Object
java/awt/GradientPaint p1
java/awt/GradientPaint p2
java/awt/GradientPaint color1
java/awt/GradientPaint color2
java/awt/GradientPaint cyclic
java/awt/GradientPaint <init>(FFLjava/awt/Color;FFLjava/awt/Color;)V
java/awt/GradientPaint
<init>(Ljava/awt/geom/Point2D;Ljava/awt/Color;Ljava/awt/geom/Point2D;Ljava/awt/Color;)V
java/awt/GradientPaint <init>(FFLjava/awt/Color;FFLjava/awt/Color;Z)V
java/awt/GradientPaint
<init>(Ljava/awt/geom/Point2D;Ljava/awt/Color;Ljava/awt/geom/Point2D;Ljava/awt/Color;Z)V
java/awt/GradientPaint getPoint1()Ljava/awt/geom/Point2D;
java/awt/GradientPaint getColor1()Ljava/awt/Color;
java/awt/GradientPaint getPoint2()Ljava/awt/geom/Point2D;
java/awt/GradientPaint
getColor2()Ljava/awt/Color;
java/awt/GradientPaint isCyclic()Z
java/awt/GradientPaint
createContext(Ljava/awt/image/ColorModel;Ljava/awt/Rectangle;Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Af
fineTransform;Ljava/awt/RenderingHints;)Ljava/awt/PaintContext;
java/awt/GradientPaint getTransparency()I
class java/awt/GradientPaintContext java/lang/Object
java/awt/GradientPaintContext xrgbmodel
java/awt/GradientPaintContext xbgrmodel
java/awt/GradientPaintContext cachedModel
java/awt/GradientPaintContext cached
java/awt/GradientPaintContext x1
java/awt/GradientPaintContext y1
java/awt/GradientPaintContext dx
java/awt/GradientPaintContext dy
java/awt/GradientPaintContext cyclic
java/awt/GradientPaintContext interp
java/awt/GradientPaintContext saved
java/awt/GradientPaintContext model
java/awt/GradientPaintContext getCachedRaster(Ljava/awt/image/ColorModel;II)Ljava/awt/image/Raster;
java/awt/GradientPaintContext putCachedRaster(Ljava/awt/image/ColorModel;Ljava/awt/image/Raster;)V
java/awt/GradientPaintContext
<init>(Ljava/awt/image/ColorModel;Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;Ljava/awt/geom/AffineTra
nsform;Ljava/awt/Color;Ljava/awt/Color;Z)V
java/awt/GradientPaintContext dispose()V
java/awt/GradientPaintContext getColorModel()Ljava/awt/image/ColorModel;
java/awt/GradientPaintContext getRaster(IIII)Ljava/awt/image/Raster;
java/awt/GradientPaintContext cycleFillRaster([IIIIIDDD)V
java/awt/GradientPaintContext clipFillRaster([IIIIIDDD)V
java/awt/GradientPaintContext <clinit>()V
class java/awt/GraphicsCallback$PaintAllCallback java/awt/GraphicsCallback
java/awt/GraphicsCallback$PaintAllCallback instance

java/awt/GraphicsCallback$PaintAllCallback <init>()V
java/awt/GraphicsCallback$PaintAllCallback run(Ljava/awt/Component;Ljava/awt/Graphics;)V
java/awt/GraphicsCallback$PaintAllCallback getInstance()Ljava/awt/GraphicsCallback$PaintAllCallback;
java/awt/GraphicsCallback$PaintAllCallback <clinit>()V
class java/awt/GraphicsCallback$PaintHeavyweightComponentsCallback
 java/awt/GraphicsCallback
java/awt/GraphicsCallback$PaintHeavyweightComponentsCallback instance
java/awt/GraphicsCallback$PaintHeavyweightComponentsCallback <init>()V
java/awt/GraphicsCallback$PaintHeavyweightComponentsCallback
run(Ljava/awt/Component;Ljava/awt/Graphics;)V
java/awt/GraphicsCallback$PaintHeavyweightComponentsCallback
getInstance()Ljava/awt/GraphicsCallback$PaintHeavyweightComponentsCallback;
java/awt/GraphicsCallback$PaintHeavyweightComponentsCallback <clinit>()V
class java/awt/GraphicsCallback$PeerPaintCallback java/awt/GraphicsCallback
java/awt/GraphicsCallback$PeerPaintCallback instance
java/awt/GraphicsCallback$PeerPaintCallback <init>()V
java/awt/GraphicsCallback$PeerPaintCallback run(Ljava/awt/Component;Ljava/awt/Graphics;)V
java/awt/GraphicsCallback$PeerPaintCallback getInstance()Ljava/awt/GraphicsCallback$PeerPaintCallback;
java/awt/GraphicsCallback$PeerPaintCallback <clinit>()V
class java/awt/GraphicsCallback$PeerPrintCallback
 java/awt/GraphicsCallback
java/awt/GraphicsCallback$PeerPrintCallback instance
java/awt/GraphicsCallback$PeerPrintCallback <init>()V
java/awt/GraphicsCallback$PeerPrintCallback run(Ljava/awt/Component;Ljava/awt/Graphics;)V
java/awt/GraphicsCallback$PeerPrintCallback getInstance()Ljava/awt/GraphicsCallback$PeerPrintCallback;
java/awt/GraphicsCallback$PeerPrintCallback <clinit>()V
class java/awt/GraphicsCallback$PrintAllCallback java/awt/GraphicsCallback
java/awt/GraphicsCallback$PrintAllCallback instance
java/awt/GraphicsCallback$PrintAllCallback <init>()V
java/awt/GraphicsCallback$PrintAllCallback run(Ljava/awt/Component;Ljava/awt/Graphics;)V
java/awt/GraphicsCallback$PrintAllCallback getInstance()Ljava/awt/GraphicsCallback$PrintAllCallback;
java/awt/GraphicsCallback$PrintAllCallback <clinit>()V
class java/awt/GraphicsCallback$PrintCallback java/awt/GraphicsCallback
java/awt/GraphicsCallback$PrintCallback instance
java/awt/GraphicsCallback$PrintCallback <init>()V
java/awt/GraphicsCallback$PrintCallback
 run(Ljava/awt/Component;Ljava/awt/Graphics;)V
java/awt/GraphicsCallback$PrintCallback getInstance()Ljava/awt/GraphicsCallback$PrintCallback;
java/awt/GraphicsCallback$PrintCallback <clinit>()V
class java/awt/GraphicsCallback$PrintHeavyweightComponentsCallback java/awt/GraphicsCallback
java/awt/GraphicsCallback$PrintHeavyweightComponentsCallback instance
java/awt/GraphicsCallback$PrintHeavyweightComponentsCallback <init>()V
java/awt/GraphicsCallback$PrintHeavyweightComponentsCallback
run(Ljava/awt/Component;Ljava/awt/Graphics;)V
java/awt/GraphicsCallback$PrintHeavyweightComponentsCallback
getInstance()Ljava/awt/GraphicsCallback$PrintHeavyweightComponentsCallback;
java/awt/GraphicsCallback$PrintHeavyweightComponentsCallback <clinit>()V
class java/awt/GraphicsConfigTemplate java/lang/Object

java/awt/GraphicsConfigTemplate REQUIRED
java/awt/GraphicsConfigTemplate PREFERRED
java/awt/GraphicsConfigTemplate UNNECESSARY
java/awt/GraphicsConfigTemplate <init>()V
java/awt/GraphicsConfigTemplate
getBestConfiguration([Ljava/awt/GraphicsConfiguration;)Ljava/awt/GraphicsConfiguration;
java/awt/GraphicsConfigTemplate isGraphicsConfigSupported(Ljava/awt/GraphicsConfiguration;)Z
class java/awt/GraphicsConfiguration$DefaultBufferCapabilities java/awt/BufferCapabilities
java/awt/GraphicsConfiguration$DefaultBufferCapabilities <init>(Ljava/awt/ImageCapabilities;)V
class java/awt/GridBagConstraints java/lang/Object
java/awt/GridBagConstraints RELATIVE
java/awt/GridBagConstraints REMAINDER
java/awt/GridBagConstraints NONE
java/awt/GridBagConstraints BOTH
java/awt/GridBagConstraints HORIZONTAL
java/awt/GridBagConstraints VERTICAL
java/awt/GridBagConstraints CENTER
java/awt/GridBagConstraints NORTH
java/awt/GridBagConstraints NORTHEAST
java/awt/GridBagConstraints EAST
java/awt/GridBagConstraints SOUTHEAST
java/awt/GridBagConstraints SOUTH
java/awt/GridBagConstraints SOUTHWEST
java/awt/GridBagConstraints WEST
java/awt/GridBagConstraints NORTHWEST
java/awt/GridBagConstraints
PAGE_START
java/awt/GridBagConstraints PAGE_END
java/awt/GridBagConstraints LINE_START
java/awt/GridBagConstraints LINE_END
java/awt/GridBagConstraints FIRST_LINE_START
java/awt/GridBagConstraints FIRST_LINE_END
java/awt/GridBagConstraints LAST_LINE_START
java/awt/GridBagConstraints LAST_LINE_END
java/awt/GridBagConstraints gridx
java/awt/GridBagConstraints gridy
java/awt/GridBagConstraints gridwidth
java/awt/GridBagConstraints gridheight
java/awt/GridBagConstraints weightx
java/awt/GridBagConstraints weighty
java/awt/GridBagConstraints anchor
java/awt/GridBagConstraints fill
java/awt/GridBagConstraints insets
java/awt/GridBagConstraints ipadx
java/awt/GridBagConstraints ipady
java/awt/GridBagConstraints tempX
java/awt/GridBagConstraints tempY
java/awt/GridBagConstraints tempWidth

java/awt/GridBagConstraints tempHeight
java/awt/GridBagConstraints minWidth
java/awt/GridBagConstraints minHeight
java/awt/GridBagConstraints serialVersionUID
java/awt/GridBagConstraints <init>()V
java/awt/GridBagConstraints
<init>(IIIIDDIILjava/awt/Insets;II)V
java/awt/GridBagConstraints clone()Ljava/lang/Object;
class java/awt/GridBagLayout java/lang/Object
java/awt/GridBagLayout MAXGRIDSIZE
java/awt/GridBagLayout MINSIZE
java/awt/GridBagLayout PREFERREDSIZE
java/awt/GridBagLayout comptable
java/awt/GridBagLayout defaultConstraints
java/awt/GridBagLayout layoutInfo
java/awt/GridBagLayout columnWidths
java/awt/GridBagLayout rowHeights
java/awt/GridBagLayout columnWeights
java/awt/GridBagLayout rowWeights
java/awt/GridBagLayout rightToLeft
java/awt/GridBagLayout serialVersionUID
java/awt/GridBagLayout <init>()V
java/awt/GridBagLayout setConstraints(Ljava/awt/Component;Ljava/awt/GridBagConstraints;)V
java/awt/GridBagLayout getConstraints(Ljava/awt/Component;)Ljava/awt/GridBagConstraints;
java/awt/GridBagLayout lookupConstraints(Ljava/awt/Component;)Ljava/awt/GridBagConstraints;
java/awt/GridBagLayout removeConstraints(Ljava/awt/Component;)V
java/awt/GridBagLayout getLayoutOrigin()Ljava/awt/Point;
java/awt/GridBagLayout
getLayoutDimensions()[[I
java/awt/GridBagLayout getLayoutWeights()[[D
java/awt/GridBagLayout location(II)Ljava/awt/Point;
java/awt/GridBagLayout addLayoutComponent(Ljava/lang/String;Ljava/awt/Component;)V
java/awt/GridBagLayout addLayoutComponent(Ljava/awt/Component;Ljava/lang/Object;)V
java/awt/GridBagLayout removeLayoutComponent(Ljava/awt/Component;)V
java/awt/GridBagLayout preferredLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/GridBagLayout minimumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/GridBagLayout maximumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/GridBagLayout getLayoutAlignmentX(Ljava/awt/Container;)F
java/awt/GridBagLayout getLayoutAlignmentY(Ljava/awt/Container;)F
java/awt/GridBagLayout invalidateLayout(Ljava/awt/Container;)V
java/awt/GridBagLayout layoutContainer(Ljava/awt/Container;)V
java/awt/GridBagLayout toString()Ljava/lang/String;
java/awt/GridBagLayout getLayoutInfo(Ljava/awt/Container;I)Ljava/awt/GridBagLayoutInfo;
java/awt/GridBagLayout
GetLayoutInfo(Ljava/awt/Container;I)Ljava/awt/GridBagLayoutInfo;
java/awt/GridBagLayout adjustForGravity(Ljava/awt/GridBagConstraints;Ljava/awt/Rectangle;)V
java/awt/GridBagLayout AdjustForGravity(Ljava/awt/GridBagConstraints;Ljava/awt/Rectangle;)V
java/awt/GridBagLayout getMinSize(Ljava/awt/Container;Ljava/awt/GridBagLayoutInfo;)Ljava/awt/Dimension;

java/awt/GridBagLayout GetMinSize(Ljava/awt/Container;Ljava/awt/GridBagLayoutInfo;)Ljava/awt/Dimension;
java/awt/GridBagLayout arrangeGrid(Ljava/awt/Container;)V
java/awt/GridBagLayout ArrangeGrid(Ljava/awt/Container;)V
class java/awt/GridBagLayoutInfo java/lang/Object
java/awt/GridBagLayoutInfo width
java/awt/GridBagLayoutInfo height
java/awt/GridBagLayoutInfo startx
java/awt/GridBagLayoutInfo starty
java/awt/GridBagLayoutInfo minWidth
java/awt/GridBagLayoutInfo minHeight
java/awt/GridBagLayoutInfo weightX
java/awt/GridBagLayoutInfo weightY
java/awt/GridBagLayoutInfo
 <init>()V
class java/awt/IllegalComponentStateException java/lang/IllegalStateException
java/awt/IllegalComponentStateException serialVersionUID
java/awt/IllegalComponentStateException <init>()V
java/awt/IllegalComponentStateException <init>(Ljava/lang/String;)V
class java/awt/JobAttributes$DefaultSelectionType java/awt/AttributeValue
java/awt/JobAttributes$DefaultSelectionType I_ALL
java/awt/JobAttributes$DefaultSelectionType I_RANGE
java/awt/JobAttributes$DefaultSelectionType I_SELECTION
java/awt/JobAttributes$DefaultSelectionType NAMES
java/awt/JobAttributes$DefaultSelectionType ALL
java/awt/JobAttributes$DefaultSelectionType RANGE
java/awt/JobAttributes$DefaultSelectionType SELECTION
java/awt/JobAttributes$DefaultSelectionType <init>(I)V
java/awt/JobAttributes$DefaultSelectionType <clinit>()V
class java/awt/JobAttributes$DestinationType java/awt/AttributeValue
java/awt/JobAttributes$DestinationType I_FILE
java/awt/JobAttributes$DestinationType I_PRINTER
java/awt/JobAttributes$DestinationType
 NAMES
java/awt/JobAttributes$DestinationType FILE
java/awt/JobAttributes$DestinationType PRINTER
java/awt/JobAttributes$DestinationType <init>(I)V
java/awt/JobAttributes$DestinationType <clinit>()V
class java/awt/JobAttributes$DialogType java/awt/AttributeValue
java/awt/JobAttributes$DialogType I_COMMON
java/awt/JobAttributes$DialogType I_NATIVE
java/awt/JobAttributes$DialogType I_NONE
java/awt/JobAttributes$DialogType NAMES
java/awt/JobAttributes$DialogType COMMON
java/awt/JobAttributes$DialogType NATIVE
java/awt/JobAttributes$DialogType NONE
java/awt/JobAttributes$DialogType <init>(I)V
java/awt/JobAttributes$DialogType <clinit>()V
class java/awt/JobAttributes$MultipleDocumentHandlingType java/awt/AttributeValue

java/awt/JobAttributes$MultipleDocumentHandlingType I_SEPARATE_DOCUMENTS_COLLATED_COPIES
java/awt/JobAttributes$MultipleDocumentHandlingType
I_SEPARATE_DOCUMENTS_UNCOLLATED_COPIES
java/awt/JobAttributes$MultipleDocumentHandlingType NAMES
java/awt/JobAttributes$MultipleDocumentHandlingType
SEPARATE_DOCUMENTS_COLLATED_COPIES
java/awt/JobAttributes$MultipleDocumentHandlingType SEPARATE_DOCUMENTS_UNCOLLATED_COPIES
java/awt/JobAttributes$MultipleDocumentHandlingType <init>(I)V
java/awt/JobAttributes$MultipleDocumentHandlingType <clinit>()V
class java/awt/JobAttributes$SidesType java/awt/AttributeValue
java/awt/JobAttributes$SidesType I_ONE_SIDED
java/awt/JobAttributes$SidesType I_TWO_SIDED_LONG_EDGE
java/awt/JobAttributes$SidesType I_TWO_SIDED_SHORT_EDGE
java/awt/JobAttributes$SidesType NAMES
java/awt/JobAttributes$SidesType ONE_SIDED
java/awt/JobAttributes$SidesType TWO_SIDED_LONG_EDGE
java/awt/JobAttributes$SidesType TWO_SIDED_SHORT_EDGE
java/awt/JobAttributes$SidesType <init>(I)V
java/awt/JobAttributes$SidesType <clinit>()V
class java/awt/KeyboardFocusManager$1 java/lang/Object
java/awt/KeyboardFocusManager$1 <init>()V
java/awt/KeyboardFocusManager$1 run()V
class java/awt/KeyboardFocusManager$2 java/lang/Object
java/awt/KeyboardFocusManager$2 $assertionsDisabled
java/awt/KeyboardFocusManager$2
<init>()V
java/awt/KeyboardFocusManager$2 run()Ljava/lang/Object;
java/awt/KeyboardFocusManager$2 <clinit>()V
class java/awt/Label$AccessibleAWTLabel java/awt/Component$AccessibleAWTComponent
java/awt/Label$AccessibleAWTLabel serialVersionUID
java/awt/Label$AccessibleAWTLabel this$0
java/awt/Label$AccessibleAWTLabel <init>(Ljava/awt/Label;)V
java/awt/Label$AccessibleAWTLabel getAccessibleName()Ljava/lang/String;
java/awt/Label$AccessibleAWTLabel getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/LightweightDispatcher$1 java/lang/Object
java/awt/LightweightDispatcher$1 this$0
java/awt/LightweightDispatcher$1 <init>(Ljava/awt/LightweightDispatcher;)V
java/awt/LightweightDispatcher$1 run()Ljava/lang/Object;
class java/awt/LightweightDispatcher$3 java/lang/Object
java/awt/LightweightDispatcher$3 val$mouseEvent
java/awt/LightweightDispatcher$3 val$ptSrcOrigin
java/awt/LightweightDispatcher$3 this$0
java/awt/LightweightDispatcher$3
<init>(Ljava/awt/LightweightDispatcher;Ljava/awt/event/MouseEvent;Ljava/awt/Point;)V
java/awt/LightweightDispatcher$3 run()V
class java/awt/List$AccessibleAWTList$AccessibleAWTListChild
java/awt/Component$AccessibleAWTComponent
java/awt/List$AccessibleAWTList$AccessibleAWTListChild serialVersionUID

java/awt/List$AccessibleAWTList$AccessibleAWTListChild parent
java/awt/List$AccessibleAWTList$AccessibleAWTListChild indexInParent
java/awt/List$AccessibleAWTList$AccessibleAWTListChild this$1
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
<init>(Ljava/awt/List$AccessibleAWTList;Ljava/awt/List;I)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
getLocale()Ljava/util/Locale;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getAccessibleIndexInParent()I
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getAccessibleChildrenCount()I
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getAccessibleChild(I)Ljavax/accessibility/Accessible;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getBackground()Ljava/awt/Color;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setBackground(Ljava/awt/Color;)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getForeground()Ljava/awt/Color;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setForeground(Ljava/awt/Color;)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getCursor()Ljava/awt/Cursor;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setCursor(Ljava/awt/Cursor;)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getFont()Ljava/awt/Font;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setFont(Ljava/awt/Font;)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
getFontMetrics(Ljava/awt/Font;)Ljava/awt/FontMetrics;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild isEnabled()Z
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setEnabled(Z)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild isVisible()Z
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setVisible(Z)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild isShowing()Z
java/awt/List$AccessibleAWTList$AccessibleAWTListChild contains(Ljava/awt/Point;)Z
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getLocationOnScreen()Ljava/awt/Point;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getLocation()Ljava/awt/Point;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setLocation(Ljava/awt/Point;)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild getBounds()Ljava/awt/Rectangle;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setBounds(Ljava/awt/Rectangle;)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
getSize()Ljava/awt/Dimension;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild setSize(Ljava/awt/Dimension;)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
getAccessibleAt(Ljava/awt/Point;)Ljavax/accessibility/Accessible;
java/awt/List$AccessibleAWTList$AccessibleAWTListChild isFocusTraversable()Z
java/awt/List$AccessibleAWTList$AccessibleAWTListChild requestFocus()V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild addFocusListener(Ljava/awt/event/FocusListener;)V
java/awt/List$AccessibleAWTList$AccessibleAWTListChild
removeFocusListener(Ljava/awt/event/FocusListener;)V
class java/awt/List$AccessibleAWTList java/awt/Component$AccessibleAWTComponent

java/awt/List$AccessibleAWTList serialVersionUID
java/awt/List$AccessibleAWTList this$0
java/awt/List$AccessibleAWTList <init>(Ljava/awt/List;)V
java/awt/List$AccessibleAWTList actionPerformed(Ljava/awt/event/ActionEvent;)V
java/awt/List$AccessibleAWTList itemStateChanged(Ljava/awt/event/ItemEvent;)V
java/awt/List$AccessibleAWTList
getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
java/awt/List$AccessibleAWTList getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/List$AccessibleAWTList getAccessibleAt(Ljava/awt/Point;)Ljavax/accessibility/Accessible;
java/awt/List$AccessibleAWTList getAccessibleChildrenCount()I
java/awt/List$AccessibleAWTList getAccessibleChild(I)Ljavax/accessibility/Accessible;
java/awt/List$AccessibleAWTList getAccessibleSelection()Ljavax/accessibility/AccessibleSelection;
java/awt/List$AccessibleAWTList getAccessibleSelectionCount()I
java/awt/List$AccessibleAWTList getAccessibleSelection(I)Ljavax/accessibility/Accessible;
java/awt/List$AccessibleAWTList isAccessibleChildSelected(I)Z
java/awt/List$AccessibleAWTList addAccessibleSelection(I)V
java/awt/List$AccessibleAWTList removeAccessibleSelection(I)V
java/awt/List$AccessibleAWTList clearAccessibleSelection()V
java/awt/List$AccessibleAWTList selectAllAccessibleSelection()V
class
java/awt/List java/awt/Component
java/awt/List items
java/awt/List rows
java/awt/List multipleMode
java/awt/List selected
java/awt/List visibleIndex
java/awt/List actionListener
java/awt/List itemListener
java/awt/List base
java/awt/List nameCounter
java/awt/List serialVersionUID
java/awt/List DEFAULT_VISIBLE_ROWS
java/awt/List listSerializedDataVersion
java/awt/List <init>()V
java/awt/List <init>(I)V
java/awt/List <init>(IZ)V
java/awt/List constructComponentName()Ljava/lang/String;
java/awt/List addNotify()V
java/awt/List removeNotify()V
java/awt/List getItemCount()I
java/awt/List countItems()I
java/awt/List getItem(I)Ljava/lang/String;
java/awt/List getItemImpl(I)Ljava/lang/String;
java/awt/List getItems()[Ljava/lang/String;
java/awt/List add(Ljava/lang/String;)V
java/awt/List addItem(Ljava/lang/String;)V
java/awt/List add(Ljava/lang/String;I)V
java/awt/List addItem(Ljava/lang/String;I)V

java/awt/List replaceItem(Ljava/lang/String;I)V
java/awt/List removeAll()V
java/awt/List
clear()V
java/awt/List remove(Ljava/lang/String;)V
java/awt/List remove(I)V
java/awt/List delItem(I)V
java/awt/List getSelectedIndex()I
java/awt/List getSelectedIndexes()[I
java/awt/List getSelectedItem()Ljava/lang/String;
java/awt/List getSelectedItems()[Ljava/lang/String;
java/awt/List getSelectedObjects()[Ljava/lang/Object;
java/awt/List select(I)V
java/awt/List deselect(I)V
java/awt/List isIndexSelected(I)Z
java/awt/List isSelected(I)Z
java/awt/List getRows()I
java/awt/List isMultipleMode()Z
java/awt/List allowsMultipleSelections()Z
java/awt/List setMultipleMode(Z)V
java/awt/List setMultipleSelections(Z)V
java/awt/List getVisibleIndex()I
java/awt/List makeVisible(I)V
java/awt/List getPreferredSize(I)Ljava/awt/Dimension;
java/awt/List preferredSize(I)Ljava/awt/Dimension;
java/awt/List getPreferredSize()Ljava/awt/Dimension;
java/awt/List preferredSize()Ljava/awt/Dimension;
java/awt/List getMinimumSize(I)Ljava/awt/Dimension;
java/awt/List minimumSize(I)Ljava/awt/Dimension;
java/awt/List
getMinimumSize()Ljava/awt/Dimension;
java/awt/List minimumSize()Ljava/awt/Dimension;
java/awt/List addItemListener(Ljava/awt/event/ItemListener;)V
java/awt/List removeItemListener(Ljava/awt/event/ItemListener;)V
java/awt/List getItemListeners()[Ljava/awt/event/ItemListener;
java/awt/List addActionListener(Ljava/awt/event/ActionListener;)V
java/awt/List removeActionListener(Ljava/awt/event/ActionListener;)V
java/awt/List getActionListeners()[Ljava/awt/event/ActionListener;
java/awt/List getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/List eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/List processEvent(Ljava/awt/AWTEvent;)V
java/awt/List processItemEvent(Ljava/awt/event/ItemEvent;)V
java/awt/List processActionEvent(Ljava/awt/event/ActionEvent;)V
java/awt/List paramString()Ljava/lang/String;
java/awt/List delItems(II)V
java/awt/List writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/List readObject(Ljava/io/ObjectInputStream;)V
java/awt/List getAccessibleContext()Ljavax/accessibility/AccessibleContext;

java/awt/List
 <clinit>()V
class java/awt/Menu$AccessibleAWTMenu java/awt/MenuItem$AccessibleAWTMenuItem
java/awt/Menu$AccessibleAWTMenu serialVersionUID
java/awt/Menu$AccessibleAWTMenu this$0
java/awt/Menu$AccessibleAWTMenu <init>(Ljava/awt/Menu;)V
java/awt/Menu$AccessibleAWTMenu getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/Menu java/awt/MenuItem
java/awt/Menu items
java/awt/Menu tearOff
java/awt/Menu isHelpMenu
java/awt/Menu base
java/awt/Menu nameCounter
java/awt/Menu serialVersionUID
java/awt/Menu menuSerializedDataVersion
java/awt/Menu <init>()V
java/awt/Menu <init>(Ljava/lang/String;)V
java/awt/Menu <init>(Ljava/lang/String;Z)V
java/awt/Menu constructComponentName()Ljava/lang/String;
java/awt/Menu addNotify()V
java/awt/Menu removeNotify()V
java/awt/Menu isTearOff()Z
java/awt/Menu getItemCount()I
java/awt/Menu countItems()I
java/awt/Menu countItemsImpl()I
java/awt/Menu getItem(I)Ljava/awt/MenuItem;
java/awt/Menu getItemImpl(I)Ljava/awt/MenuItem;
java/awt/Menu
 add(Ljava/awt/MenuItem;)Ljava/awt/MenuItem;
java/awt/Menu add(Ljava/lang/String;)V
java/awt/Menu insert(Ljava/awt/MenuItem;I)V
java/awt/Menu insert(Ljava/lang/String;I)V
java/awt/Menu addSeparator()V
java/awt/Menu insertSeparator(I)V
java/awt/Menu remove(I)V
java/awt/Menu remove(Ljava/awt/MenuComponent;)V
java/awt/Menu removeAll()V
java/awt/Menu handleShortcut(Ljava/awt/event/KeyEvent;)Z
java/awt/Menu getShortcutMenuItem(Ljava/awt/MenuShortcut;)Ljava/awt/MenuItem;
java/awt/Menu shortcuts()Ljava/util/Enumeration;
java/awt/Menu deleteShortcut(Ljava/awt/MenuShortcut;)V
java/awt/Menu writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Menu readObject(Ljava/io/ObjectInputStream;)V
java/awt/Menu paramString()Ljava/lang/String;
java/awt/Menu initIDs()V
java/awt/Menu getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Menu getAccessibleChildIndex(Ljava/awt/MenuComponent;)I
java/awt/Menu <clinit>()V

class java/awt/MenuBar$AccessibleAWTMenuBar
java/awt/MenuComponent$AccessibleAWTMenuComponent
java/awt/MenuBar$AccessibleAWTMenuBar serialVersionUID
java/awt/MenuBar$AccessibleAWTMenuBar this$0
java/awt/MenuBar$AccessibleAWTMenuBar <init>(Ljava/awt/MenuBar;)V
java/awt/MenuBar$AccessibleAWTMenuBar getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/MenuComponent$AccessibleAWTMenuComponent javax/accessibility/AccessibleContext
java/awt/MenuComponent$AccessibleAWTMenuComponent serialVersionUID
java/awt/MenuComponent$AccessibleAWTMenuComponent this$0
java/awt/MenuComponent$AccessibleAWTMenuComponent <init>(Ljava/awt/MenuComponent;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent
getAccessibleSelection()Ljavax/accessibility/AccessibleSelection;
java/awt/MenuComponent$AccessibleAWTMenuComponent getAccessibleName()Ljava/lang/String;
java/awt/MenuComponent$AccessibleAWTMenuComponent getAccessibleDescription()Ljava/lang/String;
java/awt/MenuComponent$AccessibleAWTMenuComponent
getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/MenuComponent$AccessibleAWTMenuComponent
getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
java/awt/MenuComponent$AccessibleAWTMenuComponent getAccessibleParent()Ljavax/accessibility/Accessible;
java/awt/MenuComponent$AccessibleAWTMenuComponent getAccessibleIndexInParent()I
java/awt/MenuComponent$AccessibleAWTMenuComponent getAccessibleChildrenCount()I
java/awt/MenuComponent$AccessibleAWTMenuComponent getAccessibleChild(I)Ljavax/accessibility/Accessible;
java/awt/MenuComponent$AccessibleAWTMenuComponent getLocale()Ljava/util/Locale;
java/awt/MenuComponent$AccessibleAWTMenuComponent
getAccessibleComponent()Ljavax/accessibility/AccessibleComponent;
java/awt/MenuComponent$AccessibleAWTMenuComponent getBackground()Ljava/awt/Color;
java/awt/MenuComponent$AccessibleAWTMenuComponent setBackground(Ljava/awt/Color;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent getForeground()Ljava/awt/Color;
java/awt/MenuComponent$AccessibleAWTMenuComponent
setForeground(Ljava/awt/Color;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent getCursor()Ljava/awt/Cursor;
java/awt/MenuComponent$AccessibleAWTMenuComponent setCursor(Ljava/awt/Cursor;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent getFont()Ljava/awt/Font;
java/awt/MenuComponent$AccessibleAWTMenuComponent setFont(Ljava/awt/Font;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent
getFontMetrics(Ljava/awt/Font;)Ljava/awt/FontMetrics;
java/awt/MenuComponent$AccessibleAWTMenuComponent isEnabled()Z
java/awt/MenuComponent$AccessibleAWTMenuComponent setEnabled(Z)V
java/awt/MenuComponent$AccessibleAWTMenuComponent isVisible()Z
java/awt/MenuComponent$AccessibleAWTMenuComponent setVisible(Z)V
java/awt/MenuComponent$AccessibleAWTMenuComponent isShowing()Z
java/awt/MenuComponent$AccessibleAWTMenuComponent contains(Ljava/awt/Point;)Z
java/awt/MenuComponent$AccessibleAWTMenuComponent getLocationOnScreen()Ljava/awt/Point;
java/awt/MenuComponent$AccessibleAWTMenuComponent getLocation()Ljava/awt/Point;
java/awt/MenuComponent$AccessibleAWTMenuComponent
setLocation(Ljava/awt/Point;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent getBounds()Ljava/awt/Rectangle;
java/awt/MenuComponent$AccessibleAWTMenuComponent setBounds(Ljava/awt/Rectangle;)V

java/awt/MenuComponent$AccessibleAWTMenuComponent getSize()Ljava/awt/Dimension;
java/awt/MenuComponent$AccessibleAWTMenuComponent setSize(Ljava/awt/Dimension;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent
getAccessibleAt(Ljava/awt/Point;)Ljavax/accessibility/Accessible;
java/awt/MenuComponent$AccessibleAWTMenuComponent isFocusTraversable()Z
java/awt/MenuComponent$AccessibleAWTMenuComponent requestFocus()V
java/awt/MenuComponent$AccessibleAWTMenuComponent addFocusListener(Ljava/awt/event/FocusListener;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent
removeFocusListener(Ljava/awt/event/FocusListener;)V
java/awt/MenuComponent$AccessibleAWTMenuComponent getAccessibleSelectionCount()I
java/awt/MenuComponent$AccessibleAWTMenuComponent
getAccessibleSelection(I)Ljavax/accessibility/Accessible;
java/awt/MenuComponent$AccessibleAWTMenuComponent isAccessibleChildSelected(I)Z
java/awt/MenuComponent$AccessibleAWTMenuComponent addAccessibleSelection(I)V
java/awt/MenuComponent$AccessibleAWTMenuComponent removeAccessibleSelection(I)V
java/awt/MenuComponent$AccessibleAWTMenuComponent clearAccessibleSelection()V
java/awt/MenuComponent$AccessibleAWTMenuComponent selectAllAccessibleSelection()V
class java/awt/MenuItem$AccessibleAWTMenuItem java/awt/MenuComponent$AccessibleAWTMenuComponent
java/awt/MenuItem$AccessibleAWTMenuItem serialVersionUID
java/awt/MenuItem$AccessibleAWTMenuItem this$0
java/awt/MenuItem$AccessibleAWTMenuItem <init>(Ljava/awt/MenuItem;)V
java/awt/MenuItem$AccessibleAWTMenuItem getAccessibleName()Ljava/lang/String;
java/awt/MenuItem$AccessibleAWTMenuItem getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/MenuItem$AccessibleAWTMenuItem getAccessibleAction()Ljavax/accessibility/AccessibleAction;
java/awt/MenuItem$AccessibleAWTMenuItem
getAccessibleValue()Ljavax/accessibility/AccessibleValue;
java/awt/MenuItem$AccessibleAWTMenuItem getAccessibleActionCount()I
java/awt/MenuItem$AccessibleAWTMenuItem getAccessibleActionDescription(I)Ljava/lang/String;
java/awt/MenuItem$AccessibleAWTMenuItem doAccessibleAction(I)Z
java/awt/MenuItem$AccessibleAWTMenuItem getCurrentAccessibleValue()Ljava/lang/Number;
java/awt/MenuItem$AccessibleAWTMenuItem setCurrentAccessibleValue(Ljava/lang/Number;)Z
java/awt/MenuItem$AccessibleAWTMenuItem getMinimumAccessibleValue()Ljava/lang/Number;
java/awt/MenuItem$AccessibleAWTMenuItem getMaximumAccessibleValue()Ljava/lang/Number;
class java/awt/MenuItem java/awt/MenuComponent
java/awt/MenuItem enabled
java/awt/MenuItem label
java/awt/MenuItem actionCommand
java/awt/MenuItem eventMask
java/awt/MenuItem actionListener
java/awt/MenuItem shortcut
java/awt/MenuItem base
java/awt/MenuItem nameCounter
java/awt/MenuItem serialVersionUID
java/awt/MenuItem menuItemSerializedDataVersion
java/awt/MenuItem
<init>()V
java/awt/MenuItem <init>(Ljava/lang/String;)V
java/awt/MenuItem <init>(Ljava/lang/String;Ljava/awt/MenuShortcut;)V

java/awt/MenuItem constructComponentName()Ljava/lang/String;
java/awt/MenuItem addNotify()V
java/awt/MenuItem getLabel()Ljava/lang/String;
java/awt/MenuItem setLabel(Ljava/lang/String;)V
java/awt/MenuItem isEnabled()Z
java/awt/MenuItem setEnabled(Z)V
java/awt/MenuItem enable()V
java/awt/MenuItem enable(Z)V
java/awt/MenuItem disable()V
java/awt/MenuItem getShortcut()Ljava/awt/MenuShortcut;
java/awt/MenuItem setShortcut(Ljava/awt/MenuShortcut;)V
java/awt/MenuItem deleteShortcut()V
java/awt/MenuItem deleteShortcut(Ljava/awt/MenuShortcut;)V
java/awt/MenuItem doMenuEvent(JI)V
java/awt/MenuItem handleShortcut(Ljava/awt/event/KeyEvent;)Z
java/awt/MenuItem getShortcutMenuItem(Ljava/awt/MenuShortcut;)Ljava/awt/MenuItem;
java/awt/MenuItem enableEvents(J)V
java/awt/MenuItem disableEvents(J)V
java/awt/MenuItem setActionCommand(Ljava/lang/String;)V
java/awt/MenuItem
getActionCommand()Ljava/lang/String;
java/awt/MenuItem getActionCommandImpl()Ljava/lang/String;
java/awt/MenuItem addActionListener(Ljava/awt/event/ActionListener;)V
java/awt/MenuItem removeActionListener(Ljava/awt/event/ActionListener;)V
java/awt/MenuItem getActionListeners()[Ljava/awt/event/ActionListener;
java/awt/MenuItem getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/MenuItem processEvent(Ljava/awt/AWTEvent;)V
java/awt/MenuItem eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/MenuItem processActionEvent(Ljava/awt/event/ActionEvent;)V
java/awt/MenuItem paramString()Ljava/lang/String;
java/awt/MenuItem writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/MenuItem readObject(Ljava/io/ObjectInputStream;)V
java/awt/MenuItem initIDs()V
java/awt/MenuItem getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/MenuItem <clinit>()V
class java/awt/MenuShortcut java/lang/Object
java/awt/MenuShortcut key
java/awt/MenuShortcut usesShift
java/awt/MenuShortcut
serialVersionUID
java/awt/MenuShortcut <init>(I)V
java/awt/MenuShortcut <init>(IZ)V
java/awt/MenuShortcut getKey()I
java/awt/MenuShortcut usesShiftModifier()Z
java/awt/MenuShortcut equals(Ljava/awt/MenuShortcut;)Z
java/awt/MenuShortcut equals(Ljava/lang/Object;)Z
java/awt/MenuShortcut hashCode()I
java/awt/MenuShortcut toString()Ljava/lang/String;

java/awt/MenuShortcut paramString()Ljava/lang/String;
class java/awt/MouseInfo java/lang/Object
java/awt/MouseInfo $assertionsDisabled
java/awt/MouseInfo <init>()V
java/awt/MouseInfo getPointerInfo()Ljava/awt/PointerInfo;
java/awt/MouseInfo areScreenDevicesIndependent([Ljava/awt/GraphicsDevice;)Z
java/awt/MouseInfo getNumberOfButtons()I
java/awt/MouseInfo <clinit>()V
class java/awt/PageAttributes$ColorType java/awt/AttributeValue
java/awt/PageAttributes$ColorType I_COLOR
java/awt/PageAttributes$ColorType I_MONOCHROME
java/awt/PageAttributes$ColorType NAMES
java/awt/PageAttributes$ColorType COLOR
java/awt/PageAttributes$ColorType
 MONOCHROME
java/awt/PageAttributes$ColorType <init>(I)V
java/awt/PageAttributes$ColorType <clinit>()V
class java/awt/PageAttributes$MediaType java/awt/AttributeValue
java/awt/PageAttributes$MediaType I_ISO_4A0
java/awt/PageAttributes$MediaType I_ISO_2A0
java/awt/PageAttributes$MediaType I_ISO_A0
java/awt/PageAttributes$MediaType I_ISO_A1
java/awt/PageAttributes$MediaType I_ISO_A2
java/awt/PageAttributes$MediaType I_ISO_A3
java/awt/PageAttributes$MediaType I_ISO_A4
java/awt/PageAttributes$MediaType I_ISO_A5
java/awt/PageAttributes$MediaType I_ISO_A6
java/awt/PageAttributes$MediaType I_ISO_A7
java/awt/PageAttributes$MediaType I_ISO_A8
java/awt/PageAttributes$MediaType I_ISO_A9
java/awt/PageAttributes$MediaType I_ISO_A10
java/awt/PageAttributes$MediaType I_ISO_B0
java/awt/PageAttributes$MediaType I_ISO_B1
java/awt/PageAttributes$MediaType I_ISO_B2
java/awt/PageAttributes$MediaType I_ISO_B3
java/awt/PageAttributes$MediaType I_ISO_B4
java/awt/PageAttributes$MediaType I_ISO_B5
java/awt/PageAttributes$MediaType
 I_ISO_B6
java/awt/PageAttributes$MediaType I_ISO_B7
java/awt/PageAttributes$MediaType I_ISO_B8
java/awt/PageAttributes$MediaType I_ISO_B9
java/awt/PageAttributes$MediaType I_ISO_B10
java/awt/PageAttributes$MediaType I_JIS_B0
java/awt/PageAttributes$MediaType I_JIS_B1
java/awt/PageAttributes$MediaType I_JIS_B2
java/awt/PageAttributes$MediaType I_JIS_B3
java/awt/PageAttributes$MediaType I_JIS_B4

java/awt/PageAttributes$MediaType I_JIS_B5
java/awt/PageAttributes$MediaType I_JIS_B6
java/awt/PageAttributes$MediaType I_JIS_B7
java/awt/PageAttributes$MediaType I_JIS_B8
java/awt/PageAttributes$MediaType I_JIS_B9
java/awt/PageAttributes$MediaType I_JIS_B10
java/awt/PageAttributes$MediaType I_ISO_C0
java/awt/PageAttributes$MediaType I_ISO_C1
java/awt/PageAttributes$MediaType I_ISO_C2
java/awt/PageAttributes$MediaType I_ISO_C3
java/awt/PageAttributes$MediaType I_ISO_C4
java/awt/PageAttributes$MediaType I_ISO_C5
java/awt/PageAttributes$MediaType I_ISO_C6
java/awt/PageAttributes$MediaType
I_ISO_C7
java/awt/PageAttributes$MediaType I_ISO_C8
java/awt/PageAttributes$MediaType I_ISO_C9
java/awt/PageAttributes$MediaType I_ISO_C10
java/awt/PageAttributes$MediaType I_ISO_DESIGNATED_LONG
java/awt/PageAttributes$MediaType I_EXECUTIVE
java/awt/PageAttributes$MediaType I_FOLIO
java/awt/PageAttributes$MediaType I_INVOICE
java/awt/PageAttributes$MediaType I_LEDGER
java/awt/PageAttributes$MediaType I_NA_LETTER
java/awt/PageAttributes$MediaType I_NA_LEGAL
java/awt/PageAttributes$MediaType I_QUARTO
java/awt/PageAttributes$MediaType I_A
java/awt/PageAttributes$MediaType I_B
java/awt/PageAttributes$MediaType I_C
java/awt/PageAttributes$MediaType I_D
java/awt/PageAttributes$MediaType I_E
java/awt/PageAttributes$MediaType I_NA_10X15_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_10X14_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_10X13_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_9X12_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_9X11_ENVELOPE
java/awt/PageAttributes$MediaType
I_NA_7X9_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_6X9_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_NUMBER_9_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_NUMBER_10_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_NUMBER_11_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_NUMBER_12_ENVELOPE
java/awt/PageAttributes$MediaType I_NA_NUMBER_14_ENVELOPE
java/awt/PageAttributes$MediaType I_INVITE_ENVELOPE
java/awt/PageAttributes$MediaType I_ITALY_ENVELOPE
java/awt/PageAttributes$MediaType I_MONARCH_ENVELOPE
java/awt/PageAttributes$MediaType I_PERSONAL_ENVELOPE

java/awt/PageAttributes$MediaType NAMES
java/awt/PageAttributes$MediaType ISO_4A0
java/awt/PageAttributes$MediaType ISO_2A0
java/awt/PageAttributes$MediaType ISO_A0
java/awt/PageAttributes$MediaType ISO_A1
java/awt/PageAttributes$MediaType ISO_A2
java/awt/PageAttributes$MediaType ISO_A3
java/awt/PageAttributes$MediaType ISO_A4
java/awt/PageAttributes$MediaType ISO_A5
java/awt/PageAttributes$MediaType ISO_A6
java/awt/PageAttributes$MediaType
ISO_A7
java/awt/PageAttributes$MediaType ISO_A8
java/awt/PageAttributes$MediaType ISO_A9
java/awt/PageAttributes$MediaType ISO_A10
java/awt/PageAttributes$MediaType ISO_B0
java/awt/PageAttributes$MediaType ISO_B1
java/awt/PageAttributes$MediaType ISO_B2
java/awt/PageAttributes$MediaType ISO_B3
java/awt/PageAttributes$MediaType ISO_B4
java/awt/PageAttributes$MediaType ISO_B5
java/awt/PageAttributes$MediaType ISO_B6
java/awt/PageAttributes$MediaType ISO_B7
java/awt/PageAttributes$MediaType ISO_B8
java/awt/PageAttributes$MediaType ISO_B9
java/awt/PageAttributes$MediaType ISO_B10
java/awt/PageAttributes$MediaType JIS_B0
java/awt/PageAttributes$MediaType JIS_B1
java/awt/PageAttributes$MediaType JIS_B2
java/awt/PageAttributes$MediaType JIS_B3
java/awt/PageAttributes$MediaType JIS_B4
java/awt/PageAttributes$MediaType JIS_B5
java/awt/PageAttributes$MediaType JIS_B6
java/awt/PageAttributes$MediaType JIS_B7
java/awt/PageAttributes$MediaType JIS_B8
java/awt/PageAttributes$MediaType
JIS_B9
java/awt/PageAttributes$MediaType JIS_B10
java/awt/PageAttributes$MediaType ISO_C0
java/awt/PageAttributes$MediaType ISO_C1
java/awt/PageAttributes$MediaType ISO_C2
java/awt/PageAttributes$MediaType ISO_C3
java/awt/PageAttributes$MediaType ISO_C4
java/awt/PageAttributes$MediaType ISO_C5
java/awt/PageAttributes$MediaType ISO_C6
java/awt/PageAttributes$MediaType ISO_C7
java/awt/PageAttributes$MediaType ISO_C8
java/awt/PageAttributes$MediaType ISO_C9

java/awt/PageAttributes$MediaType ISO_C10
java/awt/PageAttributes$MediaType ISO_DESIGNATED_LONG
java/awt/PageAttributes$MediaType EXECUTIVE
java/awt/PageAttributes$MediaType FOLIO
java/awt/PageAttributes$MediaType INVOICE
java/awt/PageAttributes$MediaType LEDGER
java/awt/PageAttributes$MediaType NA_LETTER
java/awt/PageAttributes$MediaType NA_LEGAL
java/awt/PageAttributes$MediaType QUARTO
java/awt/PageAttributes$MediaType A
java/awt/PageAttributes$MediaType B
java/awt/PageAttributes$MediaType C
java/awt/PageAttributes$MediaType
D
java/awt/PageAttributes$MediaType E
java/awt/PageAttributes$MediaType NA_10X15_ENVELOPE
java/awt/PageAttributes$MediaType NA_10X14_ENVELOPE
java/awt/PageAttributes$MediaType NA_10X13_ENVELOPE
java/awt/PageAttributes$MediaType NA_9X12_ENVELOPE
java/awt/PageAttributes$MediaType NA_9X11_ENVELOPE
java/awt/PageAttributes$MediaType NA_7X9_ENVELOPE
java/awt/PageAttributes$MediaType NA_6X9_ENVELOPE
java/awt/PageAttributes$MediaType NA_NUMBER_9_ENVELOPE
java/awt/PageAttributes$MediaType NA_NUMBER_10_ENVELOPE
java/awt/PageAttributes$MediaType NA_NUMBER_11_ENVELOPE
java/awt/PageAttributes$MediaType NA_NUMBER_12_ENVELOPE
java/awt/PageAttributes$MediaType NA_NUMBER_14_ENVELOPE
java/awt/PageAttributes$MediaType INVITE_ENVELOPE
java/awt/PageAttributes$MediaType ITALY_ENVELOPE
java/awt/PageAttributes$MediaType MONARCH_ENVELOPE
java/awt/PageAttributes$MediaType PERSONAL_ENVELOPE
java/awt/PageAttributes$MediaType A0
java/awt/PageAttributes$MediaType A1
java/awt/PageAttributes$MediaType A2
java/awt/PageAttributes$MediaType
A3
java/awt/PageAttributes$MediaType A4
java/awt/PageAttributes$MediaType A5
java/awt/PageAttributes$MediaType A6
java/awt/PageAttributes$MediaType A7
java/awt/PageAttributes$MediaType A8
java/awt/PageAttributes$MediaType A9
java/awt/PageAttributes$MediaType A10
java/awt/PageAttributes$MediaType B0
java/awt/PageAttributes$MediaType B1
java/awt/PageAttributes$MediaType B2
java/awt/PageAttributes$MediaType B3
java/awt/PageAttributes$MediaType B4

java/awt/PageAttributes$MediaType ISO_B4_ENVELOPE
java/awt/PageAttributes$MediaType B5
java/awt/PageAttributes$MediaType ISO_B5_ENVELOPE
java/awt/PageAttributes$MediaType B6
java/awt/PageAttributes$MediaType B7
java/awt/PageAttributes$MediaType B8
java/awt/PageAttributes$MediaType B9
java/awt/PageAttributes$MediaType B10
java/awt/PageAttributes$MediaType C0
java/awt/PageAttributes$MediaType ISO_C0_ENVELOPE
java/awt/PageAttributes$MediaType C1
java/awt/PageAttributes$MediaType ISO_C1_ENVELOPE
java/awt/PageAttributes$MediaType
C2
java/awt/PageAttributes$MediaType ISO_C2_ENVELOPE
java/awt/PageAttributes$MediaType C3
java/awt/PageAttributes$MediaType ISO_C3_ENVELOPE
java/awt/PageAttributes$MediaType C4
java/awt/PageAttributes$MediaType ISO_C4_ENVELOPE
java/awt/PageAttributes$MediaType C5
java/awt/PageAttributes$MediaType ISO_C5_ENVELOPE
java/awt/PageAttributes$MediaType C6
java/awt/PageAttributes$MediaType ISO_C6_ENVELOPE
java/awt/PageAttributes$MediaType C7
java/awt/PageAttributes$MediaType ISO_C7_ENVELOPE
java/awt/PageAttributes$MediaType C8
java/awt/PageAttributes$MediaType ISO_C8_ENVELOPE
java/awt/PageAttributes$MediaType C9
java/awt/PageAttributes$MediaType ISO_C9_ENVELOPE
java/awt/PageAttributes$MediaType C10
java/awt/PageAttributes$MediaType ISO_C10_ENVELOPE
java/awt/PageAttributes$MediaType ISO_DESIGNATED_LONG_ENVELOPE
java/awt/PageAttributes$MediaType STATEMENT
java/awt/PageAttributes$MediaType TABLOID
java/awt/PageAttributes$MediaType LETTER
java/awt/PageAttributes$MediaType NOTE
java/awt/PageAttributes$MediaType
LEGAL
java/awt/PageAttributes$MediaType ENV_10X15
java/awt/PageAttributes$MediaType ENV_10X14
java/awt/PageAttributes$MediaType ENV_10X13
java/awt/PageAttributes$MediaType ENV_9X12
java/awt/PageAttributes$MediaType ENV_9X11
java/awt/PageAttributes$MediaType ENV_7X9
java/awt/PageAttributes$MediaType ENV_6X9
java/awt/PageAttributes$MediaType ENV_9
java/awt/PageAttributes$MediaType ENV_10
java/awt/PageAttributes$MediaType ENV_11

java/awt/PageAttributes$MediaType ENV_12
java/awt/PageAttributes$MediaType ENV_14
java/awt/PageAttributes$MediaType ENV_INVITE
java/awt/PageAttributes$MediaType ENV_ITALY
java/awt/PageAttributes$MediaType ENV_MONARCH
java/awt/PageAttributes$MediaType ENV_PERSONAL
java/awt/PageAttributes$MediaType INVITE
java/awt/PageAttributes$MediaType ITALY
java/awt/PageAttributes$MediaType MONARCH
java/awt/PageAttributes$MediaType PERSONAL
java/awt/PageAttributes$MediaType <init>(I)V
java/awt/PageAttributes$MediaType <clinit>()V
class java/awt/PageAttributes$OrientationRequestedType
 java/awt/AttributeValue
java/awt/PageAttributes$OrientationRequestedType I_PORTRAIT
java/awt/PageAttributes$OrientationRequestedType I_LANDSCAPE
java/awt/PageAttributes$OrientationRequestedType NAMES
java/awt/PageAttributes$OrientationRequestedType PORTRAIT
java/awt/PageAttributes$OrientationRequestedType LANDSCAPE
java/awt/PageAttributes$OrientationRequestedType <init>(I)V
java/awt/PageAttributes$OrientationRequestedType <clinit>()V
class java/awt/PageAttributes$OriginType java/awt/AttributeValue
java/awt/PageAttributes$OriginType I_PHYSICAL
java/awt/PageAttributes$OriginType I_PRINTABLE
java/awt/PageAttributes$OriginType NAMES
java/awt/PageAttributes$OriginType PHYSICAL
java/awt/PageAttributes$OriginType PRINTABLE
java/awt/PageAttributes$OriginType <init>(I)V
java/awt/PageAttributes$OriginType <clinit>()V
class java/awt/PageAttributes$PrintQualityType java/awt/AttributeValue
java/awt/PageAttributes$PrintQualityType I_HIGH
java/awt/PageAttributes$PrintQualityType
 I_NORMAL
java/awt/PageAttributes$PrintQualityType I_DRAFT
java/awt/PageAttributes$PrintQualityType NAMES
java/awt/PageAttributes$PrintQualityType HIGH
java/awt/PageAttributes$PrintQualityType NORMAL
java/awt/PageAttributes$PrintQualityType DRAFT
java/awt/PageAttributes$PrintQualityType <init>(I)V
java/awt/PageAttributes$PrintQualityType <clinit>()V
class java/awt/PaintContext java/lang/Object
java/awt/PaintContext dispose()V
java/awt/PaintContext getColorModel()Ljava/awt/image/ColorModel;
java/awt/PaintContext getRaster(IIII)Ljava/awt/image/Raster;
class java/awt/Panel$AccessibleAWTPanel java/awt/Container$AccessibleAWTContainer
java/awt/Panel$AccessibleAWTPanel serialVersionUID
java/awt/Panel$AccessibleAWTPanel this$0
java/awt/Panel$AccessibleAWTPanel <init>(Ljava/awt/Panel;)V

java/awt/Panel$AccessibleAWTPanel getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/PeerFixer java/lang/Object
java/awt/PeerFixer scroller
java/awt/PeerFixer <init>(Ljava/awt/ScrollPane;)V
java/awt/PeerFixer
 adjustmentValueChanged(Ljava/awt/event/AdjustmentEvent;)V
class java/awt/PointerInfo java/lang/Object
java/awt/PointerInfo device
java/awt/PointerInfo location
java/awt/PointerInfo <init>(Ljava/awt/GraphicsDevice;Ljava/awt/Point;)V
java/awt/PointerInfo getDevice()Ljava/awt/GraphicsDevice;
java/awt/PointerInfo getLocation()Ljava/awt/Point;
class java/awt/Polygon$PolygonPathIterator java/lang/Object
java/awt/Polygon$PolygonPathIterator poly
java/awt/Polygon$PolygonPathIterator transform
java/awt/Polygon$PolygonPathIterator index
java/awt/Polygon$PolygonPathIterator this$0
java/awt/Polygon$PolygonPathIterator
<init>(Ljava/awt/Polygon;Ljava/awt/Polygon;Ljava/awt/geom/AffineTransform;)V
java/awt/Polygon$PolygonPathIterator getWindingRule()I
java/awt/Polygon$PolygonPathIterator isDone()Z
java/awt/Polygon$PolygonPathIterator next()V
java/awt/Polygon$PolygonPathIterator currentSegment([F)I
java/awt/Polygon$PolygonPathIterator currentSegment([D)I
class java/awt/Polygon
 java/lang/Object
java/awt/Polygon npoints
java/awt/Polygon xpoints
java/awt/Polygon ypoints
java/awt/Polygon bounds
java/awt/Polygon serialVersionUID
java/awt/Polygon <init>()V
java/awt/Polygon <init>([I[II)V
java/awt/Polygon reset()V
java/awt/Polygon invalidate()V
java/awt/Polygon translate(II)V
java/awt/Polygon calculateBounds([I[II)V
java/awt/Polygon updateBounds(II)V
java/awt/Polygon addPoint(II)V
java/awt/Polygon getBounds()Ljava/awt/Rectangle;
java/awt/Polygon getBoundingBox()Ljava/awt/Rectangle;
java/awt/Polygon contains(Ljava/awt/Point;)Z
java/awt/Polygon contains(II)Z
java/awt/Polygon inside(II)Z
java/awt/Polygon getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/Polygon contains(DD)Z
java/awt/Polygon getCrossings(DDDD)Lsun/awt/geom/Crossings;
java/awt/Polygon contains(Ljava/awt/geom/Point2D;)Z

java/awt/Polygon intersects(DDDD)Z
java/awt/Polygon intersects(Ljava/awt/geom/Rectangle2D;)Z
java/awt/Polygon contains(DDDD)Z
java/awt/Polygon contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/Polygon
getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
java/awt/Polygon getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
class java/awt/PopupMenu$AccessibleAWTPopupMenu java/awt/Menu$AccessibleAWTMenu
java/awt/PopupMenu$AccessibleAWTPopupMenu serialVersionUID
java/awt/PopupMenu$AccessibleAWTPopupMenu this$0
java/awt/PopupMenu$AccessibleAWTPopupMenu <init>(Ljava/awt/PopupMenu;)V
java/awt/PopupMenu$AccessibleAWTPopupMenu getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/PopupMenu java/awt/Menu
java/awt/PopupMenu base
java/awt/PopupMenu nameCounter
java/awt/PopupMenu serialVersionUID
java/awt/PopupMenu <init>()V
java/awt/PopupMenu <init>(Ljava/lang/String;)V
java/awt/PopupMenu constructComponentName()Ljava/lang/String;
java/awt/PopupMenu addNotify()V
java/awt/PopupMenu show(Ljava/awt/Component;II)V
java/awt/PopupMenu getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/PopupMenu <clinit>()V
class
java/awt/Robot$1 java/lang/Object
java/awt/Robot$1 this$0
java/awt/Robot$1 <init>(Ljava/awt/Robot;)V
java/awt/Robot$1 run()V
class java/awt/Robot java/lang/Object
java/awt/Robot MAX_DELAY
java/awt/Robot peer
java/awt/Robot isAutoWaitForIdle
java/awt/Robot autoDelay
java/awt/Robot LEGAL_BUTTON_MASK
java/awt/Robot screenCapCM
java/awt/Robot <init>()V
java/awt/Robot <init>(Ljava/awt/GraphicsDevice;)V
java/awt/Robot init(Ljava/awt/GraphicsDevice;)V
java/awt/Robot checkRobotAllowed()V
java/awt/Robot checkIsScreenDevice(Ljava/awt/GraphicsDevice;)V
java/awt/Robot mouseMove(II)V
java/awt/Robot mousePress(I)V
java/awt/Robot mouseRelease(I)V
java/awt/Robot checkButtonsArgument(I)V
java/awt/Robot mouseWheel(I)V
java/awt/Robot keyPress(I)V
java/awt/Robot keyRelease(I)V
java/awt/Robot checkKeycodeArgument(I)V

java/awt/Robot getPixelColor(II)Ljava/awt/Color;
java/awt/Robot createScreenCapture(Ljava/awt/Rectangle;)Ljava/awt/image/BufferedImage;
java/awt/Robot checkValidRect(Ljava/awt/Rectangle;)V
java/awt/Robot
 checkScreenCaptureAllowed()V
java/awt/Robot afterEvent()V
java/awt/Robot isAutoWaitForIdle()Z
java/awt/Robot setAutoWaitForIdle(Z)V
java/awt/Robot autoWaitForIdle()V
java/awt/Robot getAutoDelay()I
java/awt/Robot setAutoDelay(I)V
java/awt/Robot autoDelay()V
java/awt/Robot delay(I)V
java/awt/Robot checkDelayArgument(I)V
java/awt/Robot waitForIdle()V
java/awt/Robot checkNotDispatchThread()V
java/awt/Robot toString()Ljava/lang/String;
class java/awt/ScrollPane$AccessibleAWTScrollPane java/awt/Container$AccessibleAWTContainer
java/awt/ScrollPane$AccessibleAWTScrollPane serialVersionUID
java/awt/ScrollPane$AccessibleAWTScrollPane this$0
java/awt/ScrollPane$AccessibleAWTScrollPane <init>(Ljava/awt/ScrollPane;)V
java/awt/ScrollPane$AccessibleAWTScrollPane getAccessibleRole()Ljavax/accessibility/AccessibleRole;
class java/awt/ScrollPane$PeerFixer java/lang/Object
java/awt/ScrollPane$PeerFixer serialVersionUID
java/awt/ScrollPane$PeerFixer scroller
java/awt/ScrollPane$PeerFixer
 this$0
java/awt/ScrollPane$PeerFixer <init>(Ljava/awt/ScrollPane;Ljava/awt/ScrollPane;)V
java/awt/ScrollPane$PeerFixer adjustmentValueChanged(Ljava/awt/event/AdjustmentEvent;)V
class java/awt/ScrollPane java/awt/Container
java/awt/ScrollPane SCROLLBARS_AS_NEEDED
java/awt/ScrollPane SCROLLBARS_ALWAYS
java/awt/ScrollPane SCROLLBARS_NEVER
java/awt/ScrollPane scrollbarDisplayPolicy
java/awt/ScrollPane vAdjustable
java/awt/ScrollPane hAdjustable
java/awt/ScrollPane base
java/awt/ScrollPane nameCounter
java/awt/ScrollPane defaultWheelScroll
java/awt/ScrollPane wheelScrollingEnabled
java/awt/ScrollPane serialVersionUID
java/awt/ScrollPane initIDs()V
java/awt/ScrollPane <init>()V
java/awt/ScrollPane <init>(I)V
java/awt/ScrollPane constructComponentName()Ljava/lang/String;
java/awt/ScrollPane addToPanel(Ljava/awt/Component;Ljava/lang/Object;I)V
java/awt/ScrollPane addImpl(Ljava/awt/Component;Ljava/lang/Object;I)V
java/awt/ScrollPane getScrollbarDisplayPolicy()I

java/awt/ScrollPane getViewportSize()Ljava/awt/Dimension;
java/awt/ScrollPane
getHScrollbarHeight()I
java/awt/ScrollPane getVScrollbarWidth()I
java/awt/ScrollPane getVAdjustable()Ljava/awt/Adjustable;
java/awt/ScrollPane getHAdjustable()Ljava/awt/Adjustable;
java/awt/ScrollPane setScrollPosition(II)V
java/awt/ScrollPane setScrollPosition(Ljava/awt/Point;)V
java/awt/ScrollPane getScrollPosition()Ljava/awt/Point;
java/awt/ScrollPane setLayout(Ljava/awt/LayoutManager;)V
java/awt/ScrollPane doLayout()V
java/awt/ScrollPane calculateChildSize()Ljava/awt/Dimension;
java/awt/ScrollPane layout()V
java/awt/ScrollPane printComponents(Ljava/awt/Graphics;)V
java/awt/ScrollPane addNotify()V
java/awt/ScrollPane paramString()Ljava/lang/String;
java/awt/ScrollPane autoProcessMouseWheel(Ljava/awt/event/MouseWheelEvent;)V
java/awt/ScrollPane processMouseWheelEvent(Ljava/awt/event/MouseWheelEvent;)V
java/awt/ScrollPane eventTypeEnabled(I)Z
java/awt/ScrollPane setWheelScrollingEnabled(Z)V
java/awt/ScrollPane isWheelScrollingEnabled()Z
java/awt/ScrollPane
writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/ScrollPane readObject(Ljava/io/ObjectInputStream;)V
java/awt/ScrollPane getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/ScrollPane <clinit>()V
class java/awt/ScrollPaneAdjustable java/lang/Object
java/awt/ScrollPaneAdjustable sp
java/awt/ScrollPaneAdjustable orientation
java/awt/ScrollPaneAdjustable value
java/awt/ScrollPaneAdjustable minimum
java/awt/ScrollPaneAdjustable maximum
java/awt/ScrollPaneAdjustable visibleAmount
java/awt/ScrollPaneAdjustable isAdjusting
java/awt/ScrollPaneAdjustable unitIncrement
java/awt/ScrollPaneAdjustable blockIncrement
java/awt/ScrollPaneAdjustable adjustmentListener
java/awt/ScrollPaneAdjustable SCROLLPANE_ONLY
java/awt/ScrollPaneAdjustable serialVersionUID
java/awt/ScrollPaneAdjustable initIDs()V
java/awt/ScrollPaneAdjustable <init>(Ljava/awt/ScrollPane;Ljava/awt/event/AdjustmentListener;I)V
java/awt/ScrollPaneAdjustable setSpan(III)V
java/awt/ScrollPaneAdjustable
getOrientation()I
java/awt/ScrollPaneAdjustable setMinimum(I)V
java/awt/ScrollPaneAdjustable getMinimum()I
java/awt/ScrollPaneAdjustable setMaximum(I)V
java/awt/ScrollPaneAdjustable getMaximum()I

java/awt/ScrollPaneAdjustable setUnitIncrement(I)V
java/awt/ScrollPaneAdjustable getUnitIncrement()I
java/awt/ScrollPaneAdjustable setBlockIncrement(I)V
java/awt/ScrollPaneAdjustable getBlockIncrement()I
java/awt/ScrollPaneAdjustable setVisibleAmount(I)V
java/awt/ScrollPaneAdjustable getVisibleAmount()I
java/awt/ScrollPaneAdjustable setValueIsAdjusting(Z)V
java/awt/ScrollPaneAdjustable getValueIsAdjusting()Z
java/awt/ScrollPaneAdjustable setValue(I)V
java/awt/ScrollPaneAdjustable setTypedValue(II)V
java/awt/ScrollPaneAdjustable getValue()I
java/awt/ScrollPaneAdjustable addAdjustmentListener(Ljava/awt/event/AdjustmentListener;)V
java/awt/ScrollPaneAdjustable removeAdjustmentListener(Ljava/awt/event/AdjustmentListener;)V
java/awt/ScrollPaneAdjustable getAdjustmentListeners()[Ljava/awt/event/AdjustmentListener;
java/awt/ScrollPaneAdjustable
toString()Ljava/lang/String;
java/awt/ScrollPaneAdjustable paramString()Ljava/lang/String;
java/awt/ScrollPaneAdjustable <clinit>()V
class java/awt/Scrollbar$AccessibleAWTScrollBar java/awt/Component$AccessibleAWTComponent
java/awt/Scrollbar$AccessibleAWTScrollBar serialVersionUID
java/awt/Scrollbar$AccessibleAWTScrollBar this$0
java/awt/Scrollbar$AccessibleAWTScrollBar <init>(Ljava/awt/Scrollbar;)V
java/awt/Scrollbar$AccessibleAWTScrollBar getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
java/awt/Scrollbar$AccessibleAWTScrollBar getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/Scrollbar$AccessibleAWTScrollBar getAccessibleValue()Ljavax/accessibility/AccessibleValue;
java/awt/Scrollbar$AccessibleAWTScrollBar getCurrentAccessibleValue()Ljava/lang/Number;
java/awt/Scrollbar$AccessibleAWTScrollBar setCurrentAccessibleValue(Ljava/lang/Number;)Z
java/awt/Scrollbar$AccessibleAWTScrollBar getMinimumAccessibleValue()Ljava/lang/Number;
java/awt/Scrollbar$AccessibleAWTScrollBar
getMaximumAccessibleValue()Ljava/lang/Number;
class java/awt/Scrollbar java/awt/Component
java/awt/Scrollbar HORIZONTAL
java/awt/Scrollbar VERTICAL
java/awt/Scrollbar value
java/awt/Scrollbar maximum
java/awt/Scrollbar minimum
java/awt/Scrollbar visibleAmount
java/awt/Scrollbar orientation
java/awt/Scrollbar lineIncrement
java/awt/Scrollbar pageIncrement
java/awt/Scrollbar isAdjusting
java/awt/Scrollbar adjustmentListener
java/awt/Scrollbar base
java/awt/Scrollbar nameCounter
java/awt/Scrollbar serialVersionUID
java/awt/Scrollbar scrollbarSerializedDataVersion
java/awt/Scrollbar initIDs()V
java/awt/Scrollbar <init>()V

java/awt/Scrollbar <init>(I)V
java/awt/Scrollbar <init>(IIIII)V
java/awt/Scrollbar constructComponentName()Ljava/lang/String;
java/awt/Scrollbar addNotify()V
java/awt/Scrollbar getOrientation()I
java/awt/Scrollbar setOrientation(I)V
java/awt/Scrollbar getValue()I
java/awt/Scrollbar setValue(I)V
java/awt/Scrollbar
getMinimum()I
java/awt/Scrollbar setMinimum(I)V
java/awt/Scrollbar getMaximum()I
java/awt/Scrollbar setMaximum(I)V
java/awt/Scrollbar getVisibleAmount()I
java/awt/Scrollbar getVisible()I
java/awt/Scrollbar setVisibleAmount(I)V
java/awt/Scrollbar setUnitIncrement(I)V
java/awt/Scrollbar setLineIncrement(I)V
java/awt/Scrollbar getUnitIncrement()I
java/awt/Scrollbar getLineIncrement()I
java/awt/Scrollbar setBlockIncrement(I)V
java/awt/Scrollbar setPageIncrement(I)V
java/awt/Scrollbar getBlockIncrement()I
java/awt/Scrollbar getPageIncrement()I
java/awt/Scrollbar setValues(IIII)V
java/awt/Scrollbar getValueIsAdjusting()Z
java/awt/Scrollbar setValueIsAdjusting(Z)V
java/awt/Scrollbar addAdjustmentListener(Ljava/awt/event/AdjustmentListener;)V
java/awt/Scrollbar removeAdjustmentListener(Ljava/awt/event/AdjustmentListener;)V
java/awt/Scrollbar getAdjustmentListeners()[Ljava/awt/event/AdjustmentListener;
java/awt/Scrollbar getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/Scrollbar
eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/Scrollbar processEvent(Ljava/awt/AWTEvent;)V
java/awt/Scrollbar processAdjustmentEvent(Ljava/awt/event/AdjustmentEvent;)V
java/awt/Scrollbar paramString()Ljava/lang/String;
java/awt/Scrollbar writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Scrollbar readObject(Ljava/io/ObjectInputStream;)V
java/awt/Scrollbar getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Scrollbar <clinit>()V
class java/awt/SequencedEvent$1 java/lang/Object
java/awt/SequencedEvent$1 this$0
java/awt/SequencedEvent$1 <init>(Ljava/awt/SequencedEvent;)V
java/awt/SequencedEvent$1 evaluate()Z
class java/awt/SystemColor java/awt/Color
java/awt/SystemColor DESKTOP
java/awt/SystemColor ACTIVE_CAPTION
java/awt/SystemColor ACTIVE_CAPTION_TEXT

java/awt/SystemColor ACTIVE_CAPTION_BORDER
java/awt/SystemColor INACTIVE_CAPTION
java/awt/SystemColor INACTIVE_CAPTION_TEXT
java/awt/SystemColor INACTIVE_CAPTION_BORDER
java/awt/SystemColor WINDOW
java/awt/SystemColor
WINDOW_BORDER
java/awt/SystemColor WINDOW_TEXT
java/awt/SystemColor MENU
java/awt/SystemColor MENU_TEXT
java/awt/SystemColor TEXT
java/awt/SystemColor TEXT_TEXT
java/awt/SystemColor TEXT_HIGHLIGHT
java/awt/SystemColor TEXT_HIGHLIGHT_TEXT
java/awt/SystemColor TEXT_INACTIVE_TEXT
java/awt/SystemColor CONTROL
java/awt/SystemColor CONTROL_TEXT
java/awt/SystemColor CONTROL_HIGHLIGHT
java/awt/SystemColor CONTROL_LT_HIGHLIGHT
java/awt/SystemColor CONTROL_SHADOW
java/awt/SystemColor CONTROL_DK_SHADOW
java/awt/SystemColor SCROLLBAR
java/awt/SystemColor INFO
java/awt/SystemColor INFO_TEXT
java/awt/SystemColor NUM_COLORS
java/awt/SystemColor desktop
java/awt/SystemColor activeCaption
java/awt/SystemColor activeCaptionText
java/awt/SystemColor activeCaptionBorder
java/awt/SystemColor inactiveCaption
java/awt/SystemColor inactiveCaptionText
java/awt/SystemColor inactiveCaptionBorder
java/awt/SystemColor window
java/awt/SystemColor windowBorder
java/awt/SystemColor windowText
java/awt/SystemColor
menu
java/awt/SystemColor menuText
java/awt/SystemColor text
java/awt/SystemColor textText
java/awt/SystemColor textHighlight
java/awt/SystemColor textHighlightText
java/awt/SystemColor textInactiveText
java/awt/SystemColor control
java/awt/SystemColor controlText
java/awt/SystemColor controlHighlight
java/awt/SystemColor controlLtHighlight
java/awt/SystemColor controlShadow

java/awt/SystemColor controlDkShadow
java/awt/SystemColor scrollbar
java/awt/SystemColor info
java/awt/SystemColor infoText
java/awt/SystemColor systemColors
java/awt/SystemColor serialVersionUID
java/awt/SystemColor updateSystemColors()V
java/awt/SystemColor <init>(B)V
java/awt/SystemColor getRGB()I
java/awt/SystemColor
createContext(Ljava/awt/image/ColorModel;Ljava/awt/Rectangle;Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Af
fineTransform;Ljava/awt/RenderingHints;)Ljava/awt/PaintContext;
java/awt/SystemColor toString()Ljava/lang/String;
java/awt/SystemColor <clinit>()V
class java/awt/TextArea$AccessibleAWTTextArea
 java/awt/TextComponent$AccessibleAWTTextComponent
java/awt/TextArea$AccessibleAWTTextArea serialVersionUID
java/awt/TextArea$AccessibleAWTTextArea this$0
java/awt/TextArea$AccessibleAWTTextArea <init>(Ljava/awt/TextArea;)V
java/awt/TextArea$AccessibleAWTTextArea getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
class java/awt/TextArea java/awt/TextComponent
java/awt/TextArea rows
java/awt/TextArea columns
java/awt/TextArea base
java/awt/TextArea nameCounter
java/awt/TextArea SCROLLBARS_BOTH
java/awt/TextArea SCROLLBARS_VERTICAL_ONLY
java/awt/TextArea SCROLLBARS_HORIZONTAL_ONLY
java/awt/TextArea SCROLLBARS_NONE
java/awt/TextArea scrollbarVisibility
java/awt/TextArea forwardTraversalKeys
java/awt/TextArea backwardTraversalKeys
java/awt/TextArea serialVersionUID
java/awt/TextArea textAreaSerializedDataVersion
java/awt/TextArea initIDs()V
java/awt/TextArea <init>()V
java/awt/TextArea <init>(Ljava/lang/String;)V
java/awt/TextArea <init>(II)V
java/awt/TextArea <init>(Ljava/lang/String;II)V
java/awt/TextArea
 <init>(Ljava/lang/String;III)V
java/awt/TextArea constructComponentName()Ljava/lang/String;
java/awt/TextArea addNotify()V
java/awt/TextArea insert(Ljava/lang/String;I)V
java/awt/TextArea insertText(Ljava/lang/String;I)V
java/awt/TextArea append(Ljava/lang/String;)V
java/awt/TextArea appendText(Ljava/lang/String;)V
java/awt/TextArea replaceRange(Ljava/lang/String;II)V

java/awt/TextArea replaceText(Ljava/lang/String;II)V
java/awt/TextArea getRows()I
java/awt/TextArea setRows(I)V
java/awt/TextArea getColumns()I
java/awt/TextArea setColumns(I)V
java/awt/TextArea getScrollbarVisibility()I
java/awt/TextArea getPreferredSize(II)Ljava/awt/Dimension;
java/awt/TextArea preferredSize(II)Ljava/awt/Dimension;
java/awt/TextArea getPreferredSize()Ljava/awt/Dimension;
java/awt/TextArea preferredSize()Ljava/awt/Dimension;
java/awt/TextArea getMinimumSize(II)Ljava/awt/Dimension;
java/awt/TextArea minimumSize(II)Ljava/awt/Dimension;
java/awt/TextArea getMinimumSize()Ljava/awt/Dimension;
java/awt/TextArea
minimumSize()Ljava/awt/Dimension;
java/awt/TextArea paramString()Ljava/lang/String;
java/awt/TextArea readObject(Ljava/io/ObjectInputStream;)V
java/awt/TextArea getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/TextArea <clinit>()V
class java/awt/TextComponent$AccessibleAWTTextComponent java/awt/Component$AccessibleAWTComponent
java/awt/TextComponent$AccessibleAWTTextComponent serialVersionUID
java/awt/TextComponent$AccessibleAWTTextComponent NEXT
java/awt/TextComponent$AccessibleAWTTextComponent PREVIOUS
java/awt/TextComponent$AccessibleAWTTextComponent this$0
java/awt/TextComponent$AccessibleAWTTextComponent <init>(Ljava/awt/TextComponent;)V
java/awt/TextComponent$AccessibleAWTTextComponent textValueChanged(Ljava/awt/event/TextEvent;)V
java/awt/TextComponent$AccessibleAWTTextComponent
getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
java/awt/TextComponent$AccessibleAWTTextComponent
getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/TextComponent$AccessibleAWTTextComponent
getAccessibleText()Ljavax/accessibility/AccessibleText;
java/awt/TextComponent$AccessibleAWTTextComponent getIndexAtPoint(Ljava/awt/Point;)I
java/awt/TextComponent$AccessibleAWTTextComponent getCharacterBounds(I)Ljava/awt/Rectangle;
java/awt/TextComponent$AccessibleAWTTextComponent getCharCount()I
java/awt/TextComponent$AccessibleAWTTextComponent getCaretPosition()I
java/awt/TextComponent$AccessibleAWTTextComponent getCharacterAttribute(I)Ljavax/swing/text/AttributeSet;
java/awt/TextComponent$AccessibleAWTTextComponent getSelectionStart()I
java/awt/TextComponent$AccessibleAWTTextComponent getSelectionEnd()I
java/awt/TextComponent$AccessibleAWTTextComponent getSelectedText()Ljava/lang/String;
java/awt/TextComponent$AccessibleAWTTextComponent getAtIndex(II)Ljava/lang/String;
java/awt/TextComponent$AccessibleAWTTextComponent
findWordLimit(ILjava/text/BreakIterator;ZLjava/lang/String;)I
java/awt/TextComponent$AccessibleAWTTextComponent
getAfterIndex(II)Ljava/lang/String;
java/awt/TextComponent$AccessibleAWTTextComponent getBeforeIndex(II)Ljava/lang/String;
class java/awt/TextComponent java/awt/Component
java/awt/TextComponent text

java/awt/TextComponent editable
java/awt/TextComponent selectionStart
java/awt/TextComponent selectionEnd
java/awt/TextComponent backgroundSetByClientCode
java/awt/TextComponent canAccessClipboard
java/awt/TextComponent textListener
java/awt/TextComponent serialVersionUID
java/awt/TextComponent textComponentSerializedDataVersion
java/awt/TextComponent checkForEnableIM
java/awt/TextComponent <init>(Ljava/lang/String;)V
java/awt/TextComponent enableInputMethodsIfNecessary()V
java/awt/TextComponent enableInputMethods(Z)V
java/awt/TextComponent areInputMethodsEnabled()Z
java/awt/TextComponent getInputMethodRequests()Ljava/awt/im/InputMethodRequests;
java/awt/TextComponent addNotify()V
java/awt/TextComponent removeNotify()V
java/awt/TextComponent setText(Ljava/lang/String;)V
java/awt/TextComponent
getText()Ljava/lang/String;
java/awt/TextComponent getSelectedText()Ljava/lang/String;
java/awt/TextComponent isEditable()Z
java/awt/TextComponent setEditable(Z)V
java/awt/TextComponent getBackground()Ljava/awt/Color;
java/awt/TextComponent setBackground(Ljava/awt/Color;)V
java/awt/TextComponent getSelectionStart()I
java/awt/TextComponent setSelectionStart(I)V
java/awt/TextComponent getSelectionEnd()I
java/awt/TextComponent setSelectionEnd(I)V
java/awt/TextComponent select(II)V
java/awt/TextComponent selectAll()V
java/awt/TextComponent setCaretPosition(I)V
java/awt/TextComponent getCaretPosition()I
java/awt/TextComponent addTextListener(Ljava/awt/event/TextListener;)V
java/awt/TextComponent removeTextListener(Ljava/awt/event/TextListener;)V
java/awt/TextComponent getTextListeners()[Ljava/awt/event/TextListener;
java/awt/TextComponent getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/TextComponent eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/TextComponent
processEvent(Ljava/awt/AWTEvent;)V
java/awt/TextComponent processTextEvent(Ljava/awt/event/TextEvent;)V
java/awt/TextComponent paramString()Ljava/lang/String;
java/awt/TextComponent checkSystemClipboardAccess()V
java/awt/TextComponent writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/TextComponent readObject(Ljava/io/ObjectInputStream;)V
java/awt/TextComponent getIndexAtPoint(Ljava/awt/Point;)I
java/awt/TextComponent getCharacterBounds(I)Ljava/awt/Rectangle;
java/awt/TextComponent getAccessibleContext()Ljavax/accessibility/AccessibleContext;
class java/awt/TextField$AccessibleAWTTextField java/awt/TextComponent$AccessibleAWTTextComponent

java/awt/TextField$AccessibleAWTTextField serialVersionUID
java/awt/TextField$AccessibleAWTTextField this$0
java/awt/TextField$AccessibleAWTTextField <init>(Ljava/awt/TextField;)V
java/awt/TextField$AccessibleAWTTextField getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
class java/awt/TextField java/awt/TextComponent
java/awt/TextField
columns
java/awt/TextField echoChar
java/awt/TextField actionListener
java/awt/TextField base
java/awt/TextField nameCounter
java/awt/TextField serialVersionUID
java/awt/TextField textFieldSerializedDataVersion
java/awt/TextField initIDs()V
java/awt/TextField <init>()V
java/awt/TextField <init>(Ljava/lang/String;)V
java/awt/TextField <init>(I)V
java/awt/TextField <init>(Ljava/lang/String;I)V
java/awt/TextField constructComponentName()Ljava/lang/String;
java/awt/TextField addNotify()V
java/awt/TextField getEchoChar()C
java/awt/TextField setEchoChar(C)V
java/awt/TextField setEchoCharacter(C)V
java/awt/TextField setText(Ljava/lang/String;)V
java/awt/TextField echoCharIsSet()Z
java/awt/TextField getColumns()I
java/awt/TextField setColumns(I)V
java/awt/TextField getPreferredSize(I)Ljava/awt/Dimension;
java/awt/TextField preferredSize(I)Ljava/awt/Dimension;
java/awt/TextField getPreferredSize()Ljava/awt/Dimension;
java/awt/TextField preferredSize()Ljava/awt/Dimension;
java/awt/TextField
getMinimumSize(I)Ljava/awt/Dimension;
java/awt/TextField minimumSize(I)Ljava/awt/Dimension;
java/awt/TextField getMinimumSize()Ljava/awt/Dimension;
java/awt/TextField minimumSize()Ljava/awt/Dimension;
java/awt/TextField addActionListener(Ljava/awt/event/ActionListener;)V
java/awt/TextField removeActionListener(Ljava/awt/event/ActionListener;)V
java/awt/TextField getActionListeners()[Ljava/awt/event/ActionListener;
java/awt/TextField getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/TextField eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/TextField processEvent(Ljava/awt/AWTEvent;)V
java/awt/TextField processActionEvent(Ljava/awt/event/ActionEvent;)V
java/awt/TextField paramString()Ljava/lang/String;
java/awt/TextField writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/TextField readObject(Ljava/io/ObjectInputStream;)V
java/awt/TextField getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/TextField <clinit>()V

class java/awt/TexturePaint
java/lang/Object
java/awt/TexturePaint bufImg
java/awt/TexturePaint tx
java/awt/TexturePaint ty
java/awt/TexturePaint sx
java/awt/TexturePaint sy
java/awt/TexturePaint <init>(Ljava/awt/image/BufferedImage;Ljava/awt/geom/Rectangle2D;)V
java/awt/TexturePaint getImage()Ljava/awt/image/BufferedImage;
java/awt/TexturePaint getAnchorRect()Ljava/awt/geom/Rectangle2D;
java/awt/TexturePaint
createContext(Ljava/awt/image/ColorModel;Ljava/awt/Rectangle;Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Af
fineTransform;Ljava/awt/RenderingHints;)Ljava/awt/PaintContext;
java/awt/TexturePaint getTransparency()I
class java/awt/TexturePaintContext$Any java/awt/TexturePaintContext
java/awt/TexturePaintContext$Any srcRas
java/awt/TexturePaintContext$Any filter
java/awt/TexturePaintContext$Any
<init>(Ljava/awt/image/WritableRaster;Ljava/awt/image/ColorModel;Ljava/awt/geom/AffineTransform;IZ)V
java/awt/TexturePaintContext$Any makeRaster(II)Ljava/awt/image/WritableRaster;
java/awt/TexturePaintContext$Any setRaster(IIIIIIIIIIIIIII)V
class
java/awt/TexturePaintContext$Byte java/awt/TexturePaintContext
java/awt/TexturePaintContext$Byte srcRas
java/awt/TexturePaintContext$Byte inData
java/awt/TexturePaintContext$Byte inOff
java/awt/TexturePaintContext$Byte inSpan
java/awt/TexturePaintContext$Byte outData
java/awt/TexturePaintContext$Byte outOff
java/awt/TexturePaintContext$Byte outSpan
java/awt/TexturePaintContext$Byte
<init>(Lsun/awt/image/ByteInterleavedRaster;Ljava/awt/image/ColorModel;Ljava/awt/geom/AffineTransform;I)V
java/awt/TexturePaintContext$Byte makeRaster(II)Ljava/awt/image/WritableRaster;
java/awt/TexturePaintContext$Byte dispose()V
java/awt/TexturePaintContext$Byte setRaster(IIIIIIIIIIIIIII)V
class java/awt/TexturePaintContext$ByteFilter java/awt/TexturePaintContext
java/awt/TexturePaintContext$ByteFilter srcRas
java/awt/TexturePaintContext$ByteFilter inPalette
java/awt/TexturePaintContext$ByteFilter inData
java/awt/TexturePaintContext$ByteFilter inOff
java/awt/TexturePaintContext$ByteFilter
inSpan
java/awt/TexturePaintContext$ByteFilter outData
java/awt/TexturePaintContext$ByteFilter outOff
java/awt/TexturePaintContext$ByteFilter outSpan
java/awt/TexturePaintContext$ByteFilter
<init>(Lsun/awt/image/ByteInterleavedRaster;Ljava/awt/image/ColorModel;Ljava/awt/geom/AffineTransform;I)V
java/awt/TexturePaintContext$ByteFilter makeRaster(II)Ljava/awt/image/WritableRaster;

java/awt/TexturePaintContext$ByteFilter setRaster(IIIIIIIIIIIIIII)V
class java/awt/TexturePaintContext$Int java/awt/TexturePaintContext
java/awt/TexturePaintContext$Int srcRas
java/awt/TexturePaintContext$Int inData
java/awt/TexturePaintContext$Int inOff
java/awt/TexturePaintContext$Int inSpan
java/awt/TexturePaintContext$Int outData
java/awt/TexturePaintContext$Int outOff
java/awt/TexturePaintContext$Int outSpan
java/awt/TexturePaintContext$Int filter
java/awt/TexturePaintContext$Int
<init>(Lsun/awt/image/IntegerInterleavedRaster;Ljava/awt/image/ColorModel;Ljava/awt/geom/AffineTransform;IZ
)V
java/awt/TexturePaintContext$Int
makeRaster(II)Ljava/awt/image/WritableRaster;
java/awt/TexturePaintContext$Int setRaster(IIIIIIIIIIIIIII)V
class java/awt/TexturePaintContext java/lang/Object
java/awt/TexturePaintContext xrgbmodel
java/awt/TexturePaintContext argbmodel
java/awt/TexturePaintContext colorModel
java/awt/TexturePaintContext bWidth
java/awt/TexturePaintContext bHeight
java/awt/TexturePaintContext maxWidth
java/awt/TexturePaintContext outRas
java/awt/TexturePaintContext xOrg
java/awt/TexturePaintContext yOrg
java/awt/TexturePaintContext incXAcross
java/awt/TexturePaintContext incYAcross
java/awt/TexturePaintContext incXDown
java/awt/TexturePaintContext incYDown
java/awt/TexturePaintContext colincx
java/awt/TexturePaintContext colincy
java/awt/TexturePaintContext colincxerr
java/awt/TexturePaintContext colincyerr
java/awt/TexturePaintContext rowincx
java/awt/TexturePaintContext rowincy
java/awt/TexturePaintContext rowincxerr
java/awt/TexturePaintContext rowincyerr
java/awt/TexturePaintContext
xrgbRasRef
java/awt/TexturePaintContext argbRasRef
java/awt/TexturePaintContext byteRasRef
java/awt/TexturePaintContext
getContext(Ljava/awt/image/BufferedImage;Ljava/awt/geom/AffineTransform;Ljava/awt/RenderingHints;Ljava/aw
t/Rectangle;)Ljava/awt/PaintContext;
java/awt/TexturePaintContext isFilterableICM(Ljava/awt/image/ColorModel;)Z
java/awt/TexturePaintContext isFilterableDCM(Ljava/awt/image/ColorModel;)Z
java/awt/TexturePaintContext isMaskOK(IZ)Z

java/awt/TexturePaintContext getInternedColorModel(Ljava/awt/image/ColorModel;)Ljava/awt/image/ColorModel;
java/awt/TexturePaintContext <init>(Ljava/awt/image/ColorModel;Ljava/awt/geom/AffineTransform;III)V
java/awt/TexturePaintContext fractAsInt(D)I
java/awt/TexturePaintContext mod(DD)D
java/awt/TexturePaintContext dispose()V
java/awt/TexturePaintContext getColorModel()Ljava/awt/image/ColorModel;
java/awt/TexturePaintContext getRaster(IIII)Ljava/awt/image/Raster;
java/awt/TexturePaintContext
makeRaster(Ljava/awt/image/ColorModel;Ljava/awt/image/Raster;II)Ljava/awt/image/WritableRaster;
java/awt/TexturePaintContext
dropRaster(Ljava/awt/image/ColorModel;Ljava/awt/image/Raster;)V
java/awt/TexturePaintContext makeByteRaster(Ljava/awt/image/Raster;II)Ljava/awt/image/WritableRaster;
java/awt/TexturePaintContext dropByteRaster(Ljava/awt/image/Raster;)V
java/awt/TexturePaintContext makeRaster(II)Ljava/awt/image/WritableRaster;
java/awt/TexturePaintContext setRaster(IIIIIIIIIIIIIIII)V
java/awt/TexturePaintContext blend([III)I
java/awt/TexturePaintContext <clinit>()V
class java/awt/color/CMMException java/lang/RuntimeException
java/awt/color/CMMException <init>(Ljava/lang/String;)V
class java/awt/color/ICC_ProfileGray java/awt/color/ICC_Profile
java/awt/color/ICC_ProfileGray <init>(J)V
java/awt/color/ICC_ProfileGray <init>(Lsun/awt/color/ProfileDeferralInfo;)V
java/awt/color/ICC_ProfileGray getMediaWhitePoint()[F
java/awt/color/ICC_ProfileGray getGamma()F
java/awt/color/ICC_ProfileGray getTRC()[S
class java/awt/color/ProfileDataException
java/lang/RuntimeException
java/awt/color/ProfileDataException <init>(Ljava/lang/String;)V
class java/awt/datatransfer/Clipboard$1 java/lang/Object
java/awt/datatransfer/Clipboard$1 val$oldOwner
java/awt/datatransfer/Clipboard$1 val$oldContents
java/awt/datatransfer/Clipboard$1 this$0
java/awt/datatransfer/Clipboard$1
<init>(Ljava/awt/datatransfer/Clipboard;Ljava/awt/datatransfer/ClipboardOwner;Ljava/awt/datatransfer/Transferable;)V
java/awt/datatransfer/Clipboard$1 run()V
class java/awt/datatransfer/Clipboard$2 java/lang/Object
java/awt/datatransfer/Clipboard$2 val$listener
java/awt/datatransfer/Clipboard$2 this$0
java/awt/datatransfer/Clipboard$2 <init>(Ljava/awt/datatransfer/Clipboard;Ljava/awt/datatransfer/FlavorListener;)V
java/awt/datatransfer/Clipboard$2 run()V
class java/awt/datatransfer/DataFlavor$TextFlavorComparator
sun/awt/datatransfer/DataTransferer$DataFlavorComparator
java/awt/datatransfer/DataFlavor$TextFlavorComparator <init>()V
java/awt/datatransfer/DataFlavor$TextFlavorComparator
compare(Ljava/lang/Object;Ljava/lang/Object;)I
class java/awt/datatransfer/FlavorEvent java/util/EventObject
java/awt/datatransfer/FlavorEvent <init>(Ljava/awt/datatransfer/Clipboard;)V

class java/awt/datatransfer/FlavorListener java/lang/Object
java/awt/datatransfer/FlavorListener flavorsChanged(Ljava/awt/datatransfer/FlavorEvent;)V
class java/awt/datatransfer/MimeTypeParseException java/lang/Exception
java/awt/datatransfer/MimeTypeParseException serialVersionUID
java/awt/datatransfer/MimeTypeParseException <init>()V
java/awt/datatransfer/MimeTypeParseException <init>(Ljava/lang/String;)V
class java/awt/datatransfer/StringSelection java/lang/Object
java/awt/datatransfer/StringSelection STRING
java/awt/datatransfer/StringSelection PLAIN_TEXT
java/awt/datatransfer/StringSelection flavors
java/awt/datatransfer/StringSelection data
java/awt/datatransfer/StringSelection <init>(Ljava/lang/String;)V
java/awt/datatransfer/StringSelection getTransferDataFlavors()[Ljava/awt/datatransfer/DataFlavor;
java/awt/datatransfer/StringSelection
isDataFlavorSupported(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/datatransfer/StringSelection getTransferData(Ljava/awt/datatransfer/DataFlavor;)Ljava/lang/Object;
java/awt/datatransfer/StringSelection
lostOwnership(Ljava/awt/datatransfer/Clipboard;Ljava/awt/datatransfer/Transferable;)V
java/awt/datatransfer/StringSelection <clinit>()V
class java/awt/datatransfer/UnsupportedFlavorException java/lang/Exception
java/awt/datatransfer/UnsupportedFlavorException serialVersionUID
java/awt/datatransfer/UnsupportedFlavorException <init>(Ljava/awt/datatransfer/DataFlavor;)V
class java/awt/dnd/Autoscroll java/lang/Object
java/awt/dnd/Autoscroll getAutoscrollInsets()Ljava/awt/Insets;
java/awt/dnd/Autoscroll autoscroll(Ljava/awt/Point;)V
class java/awt/dnd/DnDConstants java/lang/Object
java/awt/dnd/DnDConstants ACTION_NONE
java/awt/dnd/DnDConstants ACTION_COPY
java/awt/dnd/DnDConstants ACTION_MOVE
java/awt/dnd/DnDConstants
ACTION_COPY_OR_MOVE
java/awt/dnd/DnDConstants ACTION_LINK
java/awt/dnd/DnDConstants ACTION_REFERENCE
java/awt/dnd/DnDConstants <init>()V
class java/awt/dnd/DnDEventMulticaster java/awt/AWTEventMulticaster
java/awt/dnd/DnDEventMulticaster <init>(Ljava/util/EventListener;Ljava/util/EventListener;)V
java/awt/dnd/DnDEventMulticaster dragEnter(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DnDEventMulticaster dragOver(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DnDEventMulticaster dropActionChanged(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DnDEventMulticaster dragExit(Ljava/awt/dnd/DragSourceEvent;)V
java/awt/dnd/DnDEventMulticaster dragDropEnd(Ljava/awt/dnd/DragSourceDropEvent;)V
java/awt/dnd/DnDEventMulticaster dragMouseMoved(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DnDEventMulticaster
add(Ljava/awt/dnd/DragSourceListener;Ljava/awt/dnd/DragSourceListener;)Ljava/awt/dnd/DragSourceListener;
java/awt/dnd/DnDEventMulticaster
add(Ljava/awt/dnd/DragSourceMotionListener;Ljava/awt/dnd/DragSourceMotionListener;)Ljava/awt/dnd/DragSour
ceMotionListener;
java/awt/dnd/DnDEventMulticaster

remove(Ljava/awt/dnd/DragSourceListener;Ljava/awt/dnd/DragSourceListener;)Ljava/awt/dnd/DragSourceListener
;
java/awt/dnd/DnDEventMulticaster
remove(Ljava/awt/dnd/DragSourceMotionListener;Ljava/awt/dnd/DragSourceMotionListener;)Ljava/awt/dnd/Drag
SourceMotionListener;
java/awt/dnd/DnDEventMulticaster
addInternal(Ljava/util/EventListener;Ljava/util/EventListener;)Ljava/util/EventListener;
java/awt/dnd/DnDEventMulticaster remove(Ljava/util/EventListener;)Ljava/util/EventListener;
java/awt/dnd/DnDEventMulticaster
removeInternal(Ljava/util/EventListener;Ljava/util/EventListener;)Ljava/util/EventListener;
java/awt/dnd/DnDEventMulticaster
save(Ljava/io/ObjectOutputStream;Ljava/lang/String;Ljava/util/EventListener;)V
class java/awt/dnd/DragSourceAdapter java/lang/Object
java/awt/dnd/DragSourceAdapter <init>()V
java/awt/dnd/DragSourceAdapter dragEnter(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceAdapter
dragOver(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceAdapter dragMouseMoved(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceAdapter dropActionChanged(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceAdapter dragExit(Ljava/awt/dnd/DragSourceEvent;)V
java/awt/dnd/DragSourceAdapter dragDropEnd(Ljava/awt/dnd/DragSourceDropEvent;)V
class java/awt/dnd/DragSourceContext$1 java/lang/Object
java/awt/dnd/DragSourceContext$1 this$0
java/awt/dnd/DragSourceContext$1 <init>(Ljava/awt/dnd/DragSourceContext;)V
java/awt/dnd/DragSourceContext$1 getTransferDataFlavors()[Ljava/awt/datatransfer/DataFlavor;
java/awt/dnd/DragSourceContext$1 isDataFlavorSupported(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/dnd/DragSourceContext$1 getTransferData(Ljava/awt/datatransfer/DataFlavor;)Ljava/lang/Object;
class java/awt/dnd/DragSourceContext java/lang/Object
java/awt/dnd/DragSourceContext serialVersionUID
java/awt/dnd/DragSourceContext
DEFAULT
java/awt/dnd/DragSourceContext ENTER
java/awt/dnd/DragSourceContext OVER
java/awt/dnd/DragSourceContext CHANGED
java/awt/dnd/DragSourceContext emptyTransferable
java/awt/dnd/DragSourceContext peer
java/awt/dnd/DragSourceContext trigger
java/awt/dnd/DragSourceContext cursor
java/awt/dnd/DragSourceContext transferable
java/awt/dnd/DragSourceContext listener
java/awt/dnd/DragSourceContext useCustomCursor
java/awt/dnd/DragSourceContext sourceActions
java/awt/dnd/DragSourceContext
<init>(Ljava/awt/dnd/peer/DragSourceContextPeer;Ljava/awt/dnd/DragGestureEvent;Ljava/awt/Cursor;Ljava/awt/I
mage;Ljava/awt/Point;Ljava/awt/datatransfer/Transferable;Ljava/awt/dnd/DragSourceListener;)V
java/awt/dnd/DragSourceContext getDragSource()Ljava/awt/dnd/DragSource;
java/awt/dnd/DragSourceContext getComponent()Ljava/awt/Component;
java/awt/dnd/DragSourceContext getTrigger()Ljava/awt/dnd/DragGestureEvent;

java/awt/dnd/DragSourceContext getSourceActions()I
java/awt/dnd/DragSourceContext setCursor(Ljava/awt/Cursor;)V
java/awt/dnd/DragSourceContext
getCursor()Ljava/awt/Cursor;
java/awt/dnd/DragSourceContext addDragSourceListener(Ljava/awt/dnd/DragSourceListener;)V
java/awt/dnd/DragSourceContext removeDragSourceListener(Ljava/awt/dnd/DragSourceListener;)V
java/awt/dnd/DragSourceContext transferablesFlavorsChanged()V
java/awt/dnd/DragSourceContext dragEnter(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceContext dragOver(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceContext dragExit(Ljava/awt/dnd/DragSourceEvent;)V
java/awt/dnd/DragSourceContext dropActionChanged(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceContext dragDropEnd(Ljava/awt/dnd/DragSourceDropEvent;)V
java/awt/dnd/DragSourceContext dragMouseMoved(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceContext getTransferable()Ljava/awt/datatransfer/Transferable;
java/awt/dnd/DragSourceContext updateCurrentCursor(III)V
java/awt/dnd/DragSourceContext setCursorImpl(Ljava/awt/Cursor;)V
java/awt/dnd/DragSourceContext
writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/dnd/DragSourceContext readObject(Ljava/io/ObjectInputStream;)V
class java/awt/dnd/DragSourceDragEvent java/awt/dnd/DragSourceEvent
java/awt/dnd/DragSourceDragEvent serialVersionUID
java/awt/dnd/DragSourceDragEvent JDK_1_3_MODIFIERS
java/awt/dnd/DragSourceDragEvent JDK_1_4_MODIFIERS
java/awt/dnd/DragSourceDragEvent targetActions
java/awt/dnd/DragSourceDragEvent dropAction
java/awt/dnd/DragSourceDragEvent gestureModifiers
java/awt/dnd/DragSourceDragEvent invalidModifiers
java/awt/dnd/DragSourceDragEvent <init>(Ljava/awt/dnd/DragSourceContext;III)V
java/awt/dnd/DragSourceDragEvent <init>(Ljava/awt/dnd/DragSourceContext;IIIII)V
java/awt/dnd/DragSourceDragEvent getTargetActions()I
java/awt/dnd/DragSourceDragEvent getGestureModifiers()I
java/awt/dnd/DragSourceDragEvent getGestureModifiersEx()I
java/awt/dnd/DragSourceDragEvent getUserAction()I
java/awt/dnd/DragSourceDragEvent getDropAction()I
java/awt/dnd/DragSourceDragEvent
setNewModifiers()V
java/awt/dnd/DragSourceDragEvent setOldModifiers()V
class java/awt/dnd/DragSourceDropEvent java/awt/dnd/DragSourceEvent
java/awt/dnd/DragSourceDropEvent serialVersionUID
java/awt/dnd/DragSourceDropEvent dropSuccess
java/awt/dnd/DragSourceDropEvent dropAction
java/awt/dnd/DragSourceDropEvent <init>(Ljava/awt/dnd/DragSourceContext;IZ)V
java/awt/dnd/DragSourceDropEvent <init>(Ljava/awt/dnd/DragSourceContext;IZII)V
java/awt/dnd/DragSourceDropEvent <init>(Ljava/awt/dnd/DragSourceContext;)V
java/awt/dnd/DragSourceDropEvent getDropSuccess()Z
java/awt/dnd/DragSourceDropEvent getDropAction()I
class java/awt/dnd/DragSourceEvent java/util/EventObject
java/awt/dnd/DragSourceEvent serialVersionUID

java/awt/dnd/DragSourceEvent locationSpecified
java/awt/dnd/DragSourceEvent x
java/awt/dnd/DragSourceEvent y
java/awt/dnd/DragSourceEvent <init>(Ljava/awt/dnd/DragSourceContext;)V
java/awt/dnd/DragSourceEvent <init>(Ljava/awt/dnd/DragSourceContext;II)V
java/awt/dnd/DragSourceEvent
 getDragSourceContext()Ljava/awt/dnd/DragSourceContext;
java/awt/dnd/DragSourceEvent getLocation()Ljava/awt/Point;
java/awt/dnd/DragSourceEvent getX()I
java/awt/dnd/DragSourceEvent getY()I
class java/awt/dnd/DragSourceListener java/lang/Object
java/awt/dnd/DragSourceListener dragEnter(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceListener dragOver(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceListener dropActionChanged(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSourceListener dragExit(Ljava/awt/dnd/DragSourceEvent;)V
java/awt/dnd/DragSourceListener dragDropEnd(Ljava/awt/dnd/DragSourceDropEvent;)V
class java/awt/dnd/DragSourceMotionListener java/lang/Object
java/awt/dnd/DragSourceMotionListener dragMouseMoved(Ljava/awt/dnd/DragSourceDragEvent;)V
class java/awt/dnd/DropTarget$DropTargetAutoScroller java/lang/Object
java/awt/dnd/DropTarget$DropTargetAutoScroller component
java/awt/dnd/DropTarget$DropTargetAutoScroller autoScroll
java/awt/dnd/DropTarget$DropTargetAutoScroller
 timer
java/awt/dnd/DropTarget$DropTargetAutoScroller locn
java/awt/dnd/DropTarget$DropTargetAutoScroller prev
java/awt/dnd/DropTarget$DropTargetAutoScroller outer
java/awt/dnd/DropTarget$DropTargetAutoScroller inner
java/awt/dnd/DropTarget$DropTargetAutoScroller hysteresis
java/awt/dnd/DropTarget$DropTargetAutoScroller <init>(Ljava/awt/Component;Ljava/awt/Point;)V
java/awt/dnd/DropTarget$DropTargetAutoScroller updateRegion()V
java/awt/dnd/DropTarget$DropTargetAutoScroller updateLocation(Ljava/awt/Point;)V
java/awt/dnd/DropTarget$DropTargetAutoScroller stop()V
java/awt/dnd/DropTarget$DropTargetAutoScroller actionPerformed(Ljava/awt/event/ActionEvent;)V
class java/awt/dnd/DropTargetAdapter java/lang/Object
java/awt/dnd/DropTargetAdapter <init>()V
java/awt/dnd/DropTargetAdapter dragEnter(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTargetAdapter dragOver(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTargetAdapter dropActionChanged(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTargetAdapter
 dragExit(Ljava/awt/dnd/DropTargetEvent;)V
class java/awt/dnd/DropTargetContext$TransferableProxy java/lang/Object
java/awt/dnd/DropTargetContext$TransferableProxy transferable
java/awt/dnd/DropTargetContext$TransferableProxy isLocal
java/awt/dnd/DropTargetContext$TransferableProxy proxy
java/awt/dnd/DropTargetContext$TransferableProxy this$0
java/awt/dnd/DropTargetContext$TransferableProxy
<init>(Ljava/awt/dnd/DropTargetContext;Ljava/awt/datatransfer/Transferable;Z)V
java/awt/dnd/DropTargetContext$TransferableProxy getTransferDataFlavors()[Ljava/awt/datatransfer/DataFlavor;

java/awt/dnd/DropTargetContext$TransferableProxy isDataFlavorSupported(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/dnd/DropTargetContext$TransferableProxy
getTransferData(Ljava/awt/datatransfer/DataFlavor;)Ljava/lang/Object;
class java/awt/dnd/DropTargetDragEvent java/awt/dnd/DropTargetEvent
java/awt/dnd/DropTargetDragEvent serialVersionUID
java/awt/dnd/DropTargetDragEvent
 location
java/awt/dnd/DropTargetDragEvent actions
java/awt/dnd/DropTargetDragEvent dropAction
java/awt/dnd/DropTargetDragEvent <init>(Ljava/awt/dnd/DropTargetContext;Ljava/awt/Point;II)V
java/awt/dnd/DropTargetDragEvent getLocation()Ljava/awt/Point;
java/awt/dnd/DropTargetDragEvent getCurrentDataFlavors()[Ljava/awt/datatransfer/DataFlavor;
java/awt/dnd/DropTargetDragEvent getCurrentDataFlavorsAsList()Ljava/util/List;
java/awt/dnd/DropTargetDragEvent isDataFlavorSupported(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/dnd/DropTargetDragEvent getSourceActions()I
java/awt/dnd/DropTargetDragEvent getDropAction()I
java/awt/dnd/DropTargetDragEvent getTransferable()Ljava/awt/datatransfer/Transferable;
java/awt/dnd/DropTargetDragEvent acceptDrag(I)V
java/awt/dnd/DropTargetDragEvent rejectDrag()V
class java/awt/dnd/DropTargetDropEvent java/awt/dnd/DropTargetEvent
java/awt/dnd/DropTargetDropEvent serialVersionUID
java/awt/dnd/DropTargetDropEvent zero
java/awt/dnd/DropTargetDropEvent
 location
java/awt/dnd/DropTargetDropEvent actions
java/awt/dnd/DropTargetDropEvent dropAction
java/awt/dnd/DropTargetDropEvent isLocalTx
java/awt/dnd/DropTargetDropEvent <init>(Ljava/awt/dnd/DropTargetContext;Ljava/awt/Point;II)V
java/awt/dnd/DropTargetDropEvent <init>(Ljava/awt/dnd/DropTargetContext;Ljava/awt/Point;IIZ)V
java/awt/dnd/DropTargetDropEvent getLocation()Ljava/awt/Point;
java/awt/dnd/DropTargetDropEvent getCurrentDataFlavors()[Ljava/awt/datatransfer/DataFlavor;
java/awt/dnd/DropTargetDropEvent getCurrentDataFlavorsAsList()Ljava/util/List;
java/awt/dnd/DropTargetDropEvent isDataFlavorSupported(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/dnd/DropTargetDropEvent getSourceActions()I
java/awt/dnd/DropTargetDropEvent getDropAction()I
java/awt/dnd/DropTargetDropEvent getTransferable()Ljava/awt/datatransfer/Transferable;
java/awt/dnd/DropTargetDropEvent acceptDrop(I)V
java/awt/dnd/DropTargetDropEvent rejectDrop()V
java/awt/dnd/DropTargetDropEvent dropComplete(Z)V
java/awt/dnd/DropTargetDropEvent
 isLocalTransfer()Z
java/awt/dnd/DropTargetDropEvent <clinit>()V
class java/awt/dnd/DropTargetEvent java/util/EventObject
java/awt/dnd/DropTargetEvent serialVersionUID
java/awt/dnd/DropTargetEvent context
java/awt/dnd/DropTargetEvent <init>(Ljava/awt/dnd/DropTargetContext;)V
java/awt/dnd/DropTargetEvent getDropTargetContext()Ljava/awt/dnd/DropTargetContext;
class java/awt/dnd/MouseDragGestureRecognizer java/awt/dnd/DragGestureRecognizer

java/awt/dnd/MouseDragGestureRecognizer serialVersionUID
java/awt/dnd/MouseDragGestureRecognizer
<init>(Ljava/awt/dnd/DragSource;Ljava/awt/Component;ILjava/awt/dnd/DragGestureListener;)V
java/awt/dnd/MouseDragGestureRecognizer <init>(Ljava/awt/dnd/DragSource;Ljava/awt/Component;I)V
java/awt/dnd/MouseDragGestureRecognizer <init>(Ljava/awt/dnd/DragSource;Ljava/awt/Component;)V
java/awt/dnd/MouseDragGestureRecognizer <init>(Ljava/awt/dnd/DragSource;)V
java/awt/dnd/MouseDragGestureRecognizer registerListeners()V
java/awt/dnd/MouseDragGestureRecognizer
unregisterListeners()V
java/awt/dnd/MouseDragGestureRecognizer mouseClicked(Ljava/awt/event/MouseEvent;)V
java/awt/dnd/MouseDragGestureRecognizer mousePressed(Ljava/awt/event/MouseEvent;)V
java/awt/dnd/MouseDragGestureRecognizer mouseReleased(Ljava/awt/event/MouseEvent;)V
java/awt/dnd/MouseDragGestureRecognizer mouseEntered(Ljava/awt/event/MouseEvent;)V
java/awt/dnd/MouseDragGestureRecognizer mouseExited(Ljava/awt/event/MouseEvent;)V
java/awt/dnd/MouseDragGestureRecognizer mouseDragged(Ljava/awt/event/MouseEvent;)V
java/awt/dnd/MouseDragGestureRecognizer mouseMoved(Ljava/awt/event/MouseEvent;)V
class java/awt/dnd/SerializationTester$1 java/io/OutputStream
java/awt/dnd/SerializationTester$1 <init>()V
java/awt/dnd/SerializationTester$1 write(I)V
class java/awt/dnd/SerializationTester java/lang/Object
java/awt/dnd/SerializationTester stream
java/awt/dnd/SerializationTester test(Ljava/lang/Object;)Z
java/awt/dnd/SerializationTester <init>()V
java/awt/dnd/SerializationTester
<clinit>()V
class java/awt/dnd/peer/DropTargetContextPeer java/lang/Object
java/awt/dnd/peer/DropTargetContextPeer setTargetActions(I)V
java/awt/dnd/peer/DropTargetContextPeer getTargetActions()I
java/awt/dnd/peer/DropTargetContextPeer getDropTarget()Ljava/awt/dnd/DropTarget;
java/awt/dnd/peer/DropTargetContextPeer getTransferDataFlavors()[Ljava/awt/datatransfer/DataFlavor;
java/awt/dnd/peer/DropTargetContextPeer getTransferable()Ljava/awt/datatransfer/Transferable;
java/awt/dnd/peer/DropTargetContextPeer isTransferableJVMLocal()Z
java/awt/dnd/peer/DropTargetContextPeer acceptDrag(I)V
java/awt/dnd/peer/DropTargetContextPeer rejectDrag()V
java/awt/dnd/peer/DropTargetContextPeer acceptDrop(I)V
java/awt/dnd/peer/DropTargetContextPeer rejectDrop()V
java/awt/dnd/peer/DropTargetContextPeer dropComplete(Z)V
class java/awt/event/ContainerAdapter java/lang/Object
java/awt/event/ContainerAdapter <init>()V
java/awt/event/ContainerAdapter componentAdded(Ljava/awt/event/ContainerEvent;)V
java/awt/event/ContainerAdapter
componentRemoved(Ljava/awt/event/ContainerEvent;)V
class java/awt/event/HierarchyBoundsAdapter java/lang/Object
java/awt/event/HierarchyBoundsAdapter <init>()V
java/awt/event/HierarchyBoundsAdapter ancestorMoved(Ljava/awt/event/HierarchyEvent;)V
java/awt/event/HierarchyBoundsAdapter ancestorResized(Ljava/awt/event/HierarchyEvent;)V
class java/awt/event/HierarchyEvent java/awt/AWTEvent
java/awt/event/HierarchyEvent HIERARCHY_FIRST

java/awt/event/HierarchyEvent HIERARCHY_CHANGED
java/awt/event/HierarchyEvent ANCESTOR_MOVED
java/awt/event/HierarchyEvent ANCESTOR_RESIZED
java/awt/event/HierarchyEvent HIERARCHY_LAST
java/awt/event/HierarchyEvent PARENT_CHANGED
java/awt/event/HierarchyEvent DISPLAYABILITY_CHANGED
java/awt/event/HierarchyEvent SHOWING_CHANGED
java/awt/event/HierarchyEvent changed
java/awt/event/HierarchyEvent changedParent
java/awt/event/HierarchyEvent changeFlags
java/awt/event/HierarchyEvent <init>(Ljava/awt/Component;ILjava/awt/Component;Ljava/awt/Container;)V
java/awt/event/HierarchyEvent
<init>(Ljava/awt/Component;ILjava/awt/Component;Ljava/awt/Container;J)V
java/awt/event/HierarchyEvent getComponent()Ljava/awt/Component;
java/awt/event/HierarchyEvent getChanged()Ljava/awt/Component;
java/awt/event/HierarchyEvent getChangedParent()Ljava/awt/Container;
java/awt/event/HierarchyEvent getChangeFlags()J
java/awt/event/HierarchyEvent paramString()Ljava/lang/String;
class java/awt/event/MouseWheelEvent java/awt/event/MouseEvent
java/awt/event/MouseWheelEvent dbg
java/awt/event/MouseWheelEvent WHEEL_UNIT_SCROLL
java/awt/event/MouseWheelEvent WHEEL_BLOCK_SCROLL
java/awt/event/MouseWheelEvent scrollType
java/awt/event/MouseWheelEvent scrollAmount
java/awt/event/MouseWheelEvent wheelRotation
java/awt/event/MouseWheelEvent <init>(Ljava/awt/Component;IJIIIIZIII)V
java/awt/event/MouseWheelEvent getScrollType()I
java/awt/event/MouseWheelEvent getScrollAmount()I
java/awt/event/MouseWheelEvent getWheelRotation()I
java/awt/event/MouseWheelEvent
getUnitsToScroll()I
java/awt/event/MouseWheelEvent paramString()Ljava/lang/String;
java/awt/event/MouseWheelEvent <clinit>()V
class java/awt/event/TextEvent java/awt/AWTEvent
java/awt/event/TextEvent TEXT_FIRST
java/awt/event/TextEvent TEXT_LAST
java/awt/event/TextEvent TEXT_VALUE_CHANGED
java/awt/event/TextEvent serialVersionUID
java/awt/event/TextEvent <init>(Ljava/lang/Object;I)V
java/awt/event/TextEvent paramString()Ljava/lang/String;
class java/awt/font/CharArrayIterator java/lang/Object
java/awt/font/CharArrayIterator chars
java/awt/font/CharArrayIterator pos
java/awt/font/CharArrayIterator begin
java/awt/font/CharArrayIterator <init>([C)V
java/awt/font/CharArrayIterator <init>([CI)V
java/awt/font/CharArrayIterator first()C
java/awt/font/CharArrayIterator last()C

java/awt/font/CharArrayIterator current()C
java/awt/font/CharArrayIterator next()C
java/awt/font/CharArrayIterator previous()C
java/awt/font/CharArrayIterator setIndex(I)C
java/awt/font/CharArrayIterator getBeginIndex()I
java/awt/font/CharArrayIterator
getEndIndex()I
java/awt/font/CharArrayIterator getIndex()I
java/awt/font/CharArrayIterator clone()Ljava/lang/Object;
java/awt/font/CharArrayIterator reset([C)V
java/awt/font/CharArrayIterator reset([CI)V
class java/awt/font/GlyphJustificationInfo java/lang/Object
java/awt/font/GlyphJustificationInfo PRIORITY_KASHIDA
java/awt/font/GlyphJustificationInfo PRIORITY_WHITESPACE
java/awt/font/GlyphJustificationInfo PRIORITY_INTERCHAR
java/awt/font/GlyphJustificationInfo PRIORITY_NONE
java/awt/font/GlyphJustificationInfo weight
java/awt/font/GlyphJustificationInfo growPriority
java/awt/font/GlyphJustificationInfo growAbsorb
java/awt/font/GlyphJustificationInfo growLeftLimit
java/awt/font/GlyphJustificationInfo growRightLimit
java/awt/font/GlyphJustificationInfo shrinkPriority
java/awt/font/GlyphJustificationInfo shrinkAbsorb
java/awt/font/GlyphJustificationInfo shrinkLeftLimit
java/awt/font/GlyphJustificationInfo shrinkRightLimit
java/awt/font/GlyphJustificationInfo
<init>(FZIFFZIFF)V
java/awt/font/GlyphJustificationInfo priorityIsValid(I)Z
class java/awt/font/GlyphMetrics java/lang/Object
java/awt/font/GlyphMetrics horizontal
java/awt/font/GlyphMetrics advanceX
java/awt/font/GlyphMetrics advanceY
java/awt/font/GlyphMetrics bounds
java/awt/font/GlyphMetrics glyphType
java/awt/font/GlyphMetrics STANDARD
java/awt/font/GlyphMetrics LIGATURE
java/awt/font/GlyphMetrics COMBINING
java/awt/font/GlyphMetrics COMPONENT
java/awt/font/GlyphMetrics WHITESPACE
java/awt/font/GlyphMetrics <init>(FLjava/awt/geom/Rectangle2D;B)V
java/awt/font/GlyphMetrics <init>(ZFFLjava/awt/geom/Rectangle2D;B)V
java/awt/font/GlyphMetrics getAdvance()F
java/awt/font/GlyphMetrics getAdvanceX()F
java/awt/font/GlyphMetrics getAdvanceY()F
java/awt/font/GlyphMetrics getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/font/GlyphMetrics getLSB()F
java/awt/font/GlyphMetrics getRSB()F
java/awt/font/GlyphMetrics getType()I

java/awt/font/GlyphMetrics isStandard()Z
java/awt/font/GlyphMetrics
isLigature()Z
java/awt/font/GlyphMetrics isCombining()Z
java/awt/font/GlyphMetrics isComponent()Z
java/awt/font/GlyphMetrics isWhitespace()Z
class java/awt/font/GraphicAttribute java/lang/Object
java/awt/font/GraphicAttribute fAlignment
java/awt/font/GraphicAttribute TOP_ALIGNMENT
java/awt/font/GraphicAttribute BOTTOM_ALIGNMENT
java/awt/font/GraphicAttribute ROMAN_BASELINE
java/awt/font/GraphicAttribute CENTER_BASELINE
java/awt/font/GraphicAttribute HANGING_BASELINE
java/awt/font/GraphicAttribute <init>(I)V
java/awt/font/GraphicAttribute getAscent()F
java/awt/font/GraphicAttribute getDescent()F
java/awt/font/GraphicAttribute getAdvance()F
java/awt/font/GraphicAttribute getBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/GraphicAttribute draw(Ljava/awt/Graphics2D;FF)V
java/awt/font/GraphicAttribute getAlignment()I
java/awt/font/GraphicAttribute getJustificationInfo()Ljava/awt/font/GlyphJustificationInfo;
class java/awt/font/ImageGraphicAttribute java/awt/font/GraphicAttribute
java/awt/font/ImageGraphicAttribute
fImage
java/awt/font/ImageGraphicAttribute fImageWidth
java/awt/font/ImageGraphicAttribute fImageHeight
java/awt/font/ImageGraphicAttribute fOriginX
java/awt/font/ImageGraphicAttribute fOriginY
java/awt/font/ImageGraphicAttribute <init>(Ljava/awt/Image;I)V
java/awt/font/ImageGraphicAttribute <init>(Ljava/awt/Image;IFF)V
java/awt/font/ImageGraphicAttribute getAscent()F
java/awt/font/ImageGraphicAttribute getDescent()F
java/awt/font/ImageGraphicAttribute getAdvance()F
java/awt/font/ImageGraphicAttribute getBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/ImageGraphicAttribute draw(Ljava/awt/Graphics2D;FF)V
java/awt/font/ImageGraphicAttribute hashCode()I
java/awt/font/ImageGraphicAttribute equals(Ljava/lang/Object;)Z
java/awt/font/ImageGraphicAttribute equals(Ljava/awt/font/ImageGraphicAttribute;)Z
class java/awt/font/LineBreakMeasurer java/lang/Object
java/awt/font/LineBreakMeasurer breakIter
java/awt/font/LineBreakMeasurer start
java/awt/font/LineBreakMeasurer
pos
java/awt/font/LineBreakMeasurer limit
java/awt/font/LineBreakMeasurer measurer
java/awt/font/LineBreakMeasurer charIter
java/awt/font/LineBreakMeasurer
<init>(Ljava/text/AttributedCharacterIterator;Ljava/awt/font/FontRenderContext;)V

java/awt/font/LineBreakMeasurer
<init>(Ljava/text/AttributedCharacterIterator;Ljava/text/BreakIterator;Ljava/awt/font/FontRenderContext;)V
java/awt/font/LineBreakMeasurer nextOffset(F)I
java/awt/font/LineBreakMeasurer nextOffset(FIZ)I
java/awt/font/LineBreakMeasurer nextLayout(F)Ljava/awt/font/TextLayout;
java/awt/font/LineBreakMeasurer nextLayout(FIZ)Ljava/awt/font/TextLayout;
java/awt/font/LineBreakMeasurer getPosition()I
java/awt/font/LineBreakMeasurer setPosition(I)V
java/awt/font/LineBreakMeasurer insertChar(Ljava/text/AttributedCharacterIterator;I)V
java/awt/font/LineBreakMeasurer deleteChar(Ljava/text/AttributedCharacterIterator;I)V
class java/awt/font/MultipleMaster java/lang/Object
java/awt/font/MultipleMaster getNumDesignAxes()I
java/awt/font/MultipleMaster
getDesignAxisRanges()[F
java/awt/font/MultipleMaster getDesignAxisDefaults()[F
java/awt/font/MultipleMaster getDesignAxisNames()[Ljava/lang/String;
java/awt/font/MultipleMaster deriveMMFont([F)Ljava/awt/Font;
java/awt/font/MultipleMaster deriveMMFont([FFFFF)Ljava/awt/Font;
class java/awt/font/NumericShaper java/lang/Object
java/awt/font/NumericShaper key
java/awt/font/NumericShaper mask
java/awt/font/NumericShaper EUROPEAN
java/awt/font/NumericShaper ARABIC
java/awt/font/NumericShaper EASTERN_ARABIC
java/awt/font/NumericShaper DEVANAGARI
java/awt/font/NumericShaper BENGALI
java/awt/font/NumericShaper GURMUKHI
java/awt/font/NumericShaper GUJARATI
java/awt/font/NumericShaper ORIYA
java/awt/font/NumericShaper TAMIL
java/awt/font/NumericShaper TELUGU
java/awt/font/NumericShaper KANNADA
java/awt/font/NumericShaper MALAYALAM
java/awt/font/NumericShaper THAI
java/awt/font/NumericShaper LAO
java/awt/font/NumericShaper TIBETAN
java/awt/font/NumericShaper MYANMAR
java/awt/font/NumericShaper
ETHIOPIC
java/awt/font/NumericShaper KHMER
java/awt/font/NumericShaper MONGOLIAN
java/awt/font/NumericShaper ALL_RANGES
java/awt/font/NumericShaper EUROPEAN_KEY
java/awt/font/NumericShaper ARABIC_KEY
java/awt/font/NumericShaper EASTERN_ARABIC_KEY
java/awt/font/NumericShaper DEVANAGARI_KEY
java/awt/font/NumericShaper BENGALI_KEY
java/awt/font/NumericShaper GURMUKHI_KEY

java/awt/font/NumericShaper GUJARATI_KEY
java/awt/font/NumericShaper ORIYA_KEY
java/awt/font/NumericShaper TAMIL_KEY
java/awt/font/NumericShaper TELUGU_KEY
java/awt/font/NumericShaper KANNADA_KEY
java/awt/font/NumericShaper MALAYALAM_KEY
java/awt/font/NumericShaper THAI_KEY
java/awt/font/NumericShaper LAO_KEY
java/awt/font/NumericShaper TIBETAN_KEY
java/awt/font/NumericShaper MYANMAR_KEY
java/awt/font/NumericShaper ETHIOPIC_KEY
java/awt/font/NumericShaper KHMER_KEY
java/awt/font/NumericShaper MONGOLIAN_KEY
java/awt/font/NumericShaper NUM_KEYS
java/awt/font/NumericShaper keyNames
java/awt/font/NumericShaper
CONTEXTUAL_MASK
java/awt/font/NumericShaper bases
java/awt/font/NumericShaper contexts
java/awt/font/NumericShaper ctCache
java/awt/font/NumericShaper ctCacheLimit
java/awt/font/NumericShaper strongTable
java/awt/font/NumericShaper stCache
java/awt/font/NumericShaper getContextKey(C)I
java/awt/font/NumericShaper isStrongDirectional(C)Z
java/awt/font/NumericShaper getKeyFromMask(I)I
java/awt/font/NumericShaper getShaper(I)Ljava/awt/font/NumericShaper;
java/awt/font/NumericShaper getContextualShaper(I)Ljava/awt/font/NumericShaper;
java/awt/font/NumericShaper getContextualShaper(II)Ljava/awt/font/NumericShaper;
java/awt/font/NumericShaper <init>(II)V
java/awt/font/NumericShaper shape([CII)V
java/awt/font/NumericShaper shape([CIII)V
java/awt/font/NumericShaper isContextual()Z
java/awt/font/NumericShaper getRanges()I
java/awt/font/NumericShaper shapeNonContextually([CII)V
java/awt/font/NumericShaper shapeContextually([CIII)V
java/awt/font/NumericShaper hashCode()I
java/awt/font/NumericShaper
equals(Ljava/lang/Object;)Z
java/awt/font/NumericShaper toString()Ljava/lang/String;
java/awt/font/NumericShaper getHighBit(I)I
java/awt/font/NumericShaper search(C[CII)I
java/awt/font/NumericShaper <clinit>()V
class java/awt/font/OpenType java/lang/Object
java/awt/font/OpenType TAG_CMAP
java/awt/font/OpenType TAG_HEAD
java/awt/font/OpenType TAG_NAME
java/awt/font/OpenType TAG_GLYF

java/awt/font/OpenType TAG_MAXP
java/awt/font/OpenType TAG_PREP
java/awt/font/OpenType TAG_HMTX
java/awt/font/OpenType TAG_KERN
java/awt/font/OpenType TAG_HDMX
java/awt/font/OpenType TAG_LOCA
java/awt/font/OpenType TAG_POST
java/awt/font/OpenType TAG_OS2
java/awt/font/OpenType TAG_CVT
java/awt/font/OpenType TAG_GASP
java/awt/font/OpenType TAG_VDMX
java/awt/font/OpenType TAG_VMTX
java/awt/font/OpenType TAG_VHEA
java/awt/font/OpenType TAG_HHEA
java/awt/font/OpenType TAG_TYP1
java/awt/font/OpenType TAG_BSLN
java/awt/font/OpenType TAG_GSUB
java/awt/font/OpenType TAG_DSIG
java/awt/font/OpenType TAG_FPGM
java/awt/font/OpenType
TAG_FVAR
java/awt/font/OpenType TAG_GVAR
java/awt/font/OpenType TAG_CFF
java/awt/font/OpenType TAG_MMSD
java/awt/font/OpenType TAG_MMFX
java/awt/font/OpenType TAG_BASE
java/awt/font/OpenType TAG_GDEF
java/awt/font/OpenType TAG_GPOS
java/awt/font/OpenType TAG_JSTF
java/awt/font/OpenType TAG_EBDT
java/awt/font/OpenType TAG_EBLC
java/awt/font/OpenType TAG_EBSC
java/awt/font/OpenType TAG_LTSH
java/awt/font/OpenType TAG_PCLT
java/awt/font/OpenType TAG_ACNT
java/awt/font/OpenType TAG_AVAR
java/awt/font/OpenType TAG_BDAT
java/awt/font/OpenType TAG_BLOC
java/awt/font/OpenType TAG_CVAR
java/awt/font/OpenType TAG_FEAT
java/awt/font/OpenType TAG_FDSC
java/awt/font/OpenType TAG_FMTX
java/awt/font/OpenType TAG_JUST
java/awt/font/OpenType TAG_LCAR
java/awt/font/OpenType TAG_MORT
java/awt/font/OpenType TAG_OPBD
java/awt/font/OpenType TAG_PROP
java/awt/font/OpenType TAG_TRAK

java/awt/font/OpenType getVersion()I
java/awt/font/OpenType getFontTable(I)[B
java/awt/font/OpenType getFontTable(Ljava/lang/String;)[B
java/awt/font/OpenType
getFontTable(III)[B
java/awt/font/OpenType getFontTable(Ljava/lang/String;II)[B
java/awt/font/OpenType getFontTableSize(I)I
java/awt/font/OpenType getFontTableSize(Ljava/lang/String;)I
class java/awt/font/ShapeGraphicAttribute java/awt/font/GraphicAttribute
java/awt/font/ShapeGraphicAttribute fShape
java/awt/font/ShapeGraphicAttribute fStroke
java/awt/font/ShapeGraphicAttribute STROKE
java/awt/font/ShapeGraphicAttribute FILL
java/awt/font/ShapeGraphicAttribute fShapeBounds
java/awt/font/ShapeGraphicAttribute <init>(Ljava/awt/Shape;IZ)V
java/awt/font/ShapeGraphicAttribute getAscent()F
java/awt/font/ShapeGraphicAttribute getDescent()F
java/awt/font/ShapeGraphicAttribute getAdvance()F
java/awt/font/ShapeGraphicAttribute draw(Ljava/awt/Graphics2D;FF)V
java/awt/font/ShapeGraphicAttribute getBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/ShapeGraphicAttribute hashCode()I
java/awt/font/ShapeGraphicAttribute equals(Ljava/lang/Object;)Z
java/awt/font/ShapeGraphicAttribute
equals(Ljava/awt/font/ShapeGraphicAttribute;)Z
class java/awt/font/StyledParagraph java/lang/Object
java/awt/font/StyledParagraph length
java/awt/font/StyledParagraph decoration
java/awt/font/StyledParagraph font
java/awt/font/StyledParagraph decorations
java/awt/font/StyledParagraph decorationStarts
java/awt/font/StyledParagraph fonts
java/awt/font/StyledParagraph fontStarts
java/awt/font/StyledParagraph INITIAL_SIZE
java/awt/font/StyledParagraph <init>(Ljava/text/AttributedCharacterIterator;[C)V
java/awt/font/StyledParagraph insertInto(I[II)V
java/awt/font/StyledParagraph
insertChar(Ljava/text/AttributedCharacterIterator;[CILjava/awt/font/StyledParagraph;)Ljava/awt/font/StyledParagraph;
java/awt/font/StyledParagraph deleteFrom(I[II)V
java/awt/font/StyledParagraph
deleteChar(Ljava/text/AttributedCharacterIterator;[CILjava/awt/font/StyledParagraph;)Ljava/awt/font/StyledParagraph;
java/awt/font/StyledParagraph getRunLimit(I)I
java/awt/font/StyledParagraph
getDecorationAt(I)Lsun/font/Decoration;
java/awt/font/StyledParagraph getFontOrGraphicAt(I)Ljava/lang/Object;
java/awt/font/StyledParagraph findRunContaining(I[I)I
java/awt/font/StyledParagraph addToVector(Ljava/lang/Object;ILjava/util/Vector;[I)[I

java/awt/font/StyledParagraph addDecoration(Lsun/font/Decoration;I)V
java/awt/font/StyledParagraph addFont(Ljava/lang/Object;I)V
java/awt/font/StyledParagraph addFonts([CLjava/util/Map;II)V
java/awt/font/StyledParagraph addInputMethodAttrs(Ljava/util/Map;)Ljava/util/Map;
java/awt/font/StyledParagraph getGraphicOrFont(Ljava/util/Map;)Ljava/lang/Object;
java/awt/font/StyledParagraph <clinit>()V
class java/awt/font/TextHitInfo java/lang/Object
java/awt/font/TextHitInfo charIndex
java/awt/font/TextHitInfo isLeadingEdge
java/awt/font/TextHitInfo <init>(IZ)V
java/awt/font/TextHitInfo getCharIndex()I
java/awt/font/TextHitInfo isLeadingEdge()Z
java/awt/font/TextHitInfo getInsertionIndex()I
java/awt/font/TextHitInfo hashCode()I
java/awt/font/TextHitInfo
equals(Ljava/lang/Object;)Z
java/awt/font/TextHitInfo equals(Ljava/awt/font/TextHitInfo;)Z
java/awt/font/TextHitInfo toString()Ljava/lang/String;
java/awt/font/TextHitInfo leading(I)Ljava/awt/font/TextHitInfo;
java/awt/font/TextHitInfo trailing(I)Ljava/awt/font/TextHitInfo;
java/awt/font/TextHitInfo beforeOffset(I)Ljava/awt/font/TextHitInfo;
java/awt/font/TextHitInfo afterOffset(I)Ljava/awt/font/TextHitInfo;
java/awt/font/TextHitInfo getOtherHit()Ljava/awt/font/TextHitInfo;
java/awt/font/TextHitInfo getOffsetHit(I)Ljava/awt/font/TextHitInfo;
class java/awt/font/TextJustifier java/lang/Object
java/awt/font/TextJustifier info
java/awt/font/TextJustifier start
java/awt/font/TextJustifier limit
java/awt/font/TextJustifier DEBUG
java/awt/font/TextJustifier MAX_PRIORITY
java/awt/font/TextJustifier <init>([Ljava/awt/font/GlyphJustificationInfo;II)V
java/awt/font/TextJustifier justify(F)[F
java/awt/font/TextJustifier <clinit>()V
class java/awt/font/TextLayout$CaretPolicy java/lang/Object
java/awt/font/TextLayout$CaretPolicy
<init>()V
java/awt/font/TextLayout$CaretPolicy
getStrongCaret(Ljava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;Ljava/awt/font/TextLayout;)Ljava/awt/font/TextHitInfo;
class java/awt/font/TextLayout$OptInfo java/lang/Object
java/awt/font/TextLayout$OptInfo MAGIC_ADVANCE
java/awt/font/TextLayout$OptInfo frc
java/awt/font/TextLayout$OptInfo chars
java/awt/font/TextLayout$OptInfo font
java/awt/font/TextLayout$OptInfo metrics
java/awt/font/TextLayout$OptInfo attrs
java/awt/font/TextLayout$OptInfo advance
java/awt/font/TextLayout$OptInfo vb

java/awt/font/TextLayout$OptInfo decoration
java/awt/font/TextLayout$OptInfo str
java/awt/font/TextLayout$OptInfo
<init>(Ljava/awt/font/FontRenderContext;[CLjava/awt/Font;Lsun/font/CoreMetrics;Ljava/util/Map;)V
java/awt/font/TextLayout$OptInfo createTextLine()Ljava/awt/font/TextLine;
java/awt/font/TextLayout$OptInfo getAdvance()F
java/awt/font/TextLayout$OptInfo getCoreMetrics()Lsun/font/CoreMetrics;
java/awt/font/TextLayout$OptInfo
getLogicalBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLayout$OptInfo handleDraw(Ljava/awt/Graphics2D;FF)V
java/awt/font/TextLayout$OptInfo handleGetCharVisualBounds(I)Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLayout$OptInfo handleGetVisualBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLayout$OptInfo handleGetOutline(FF)Ljava/awt/Shape;
java/awt/font/TextLayout$OptInfo draw(Ljava/awt/Graphics2D;FF)Z
java/awt/font/TextLayout$OptInfo getVisualBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLayout$OptInfo getDecoration()Lsun/font/Decoration;
java/awt/font/TextLayout$OptInfo
create(Ljava/awt/font/FontRenderContext;[CLjava/awt/Font;Lsun/font/CoreMetrics;Ljava/util/Map;)Ljava/awt/font/
TextLayout$OptInfo;
class java/awt/font/TextLayout java/lang/Object
java/awt/font/TextLayout characterCount
java/awt/font/TextLayout isVerticalLine
java/awt/font/TextLayout baseline
java/awt/font/TextLayout baselineOffsets
java/awt/font/TextLayout textLine
java/awt/font/TextLayout
lineMetrics
java/awt/font/TextLayout visibleAdvance
java/awt/font/TextLayout hashCodeCache
java/awt/font/TextLayout optInfo
java/awt/font/TextLayout cacheIsValid
java/awt/font/TextLayout justifyRatio
java/awt/font/TextLayout ALREADY_JUSTIFIED
java/awt/font/TextLayout dx
java/awt/font/TextLayout dy
java/awt/font/TextLayout naturalBounds
java/awt/font/TextLayout boundsRect
java/awt/font/TextLayout caretsInLigaturesAreAllowed
java/awt/font/TextLayout DEFAULT_CARET_POLICY
java/awt/font/TextLayout <init>(Ljava/lang/String;Ljava/awt/Font;Ljava/awt/font/FontRenderContext;)V
java/awt/font/TextLayout <init>(Ljava/lang/String;Ljava/util/Map;Ljava/awt/font/FontRenderContext;)V
java/awt/font/TextLayout singleFont([CIILjava/util/Map;)Ljava/awt/Font;
java/awt/font/TextLayout <init>(Ljava/text/AttributedCharacterIterator;Ljava/awt/font/FontRenderContext;)V
java/awt/font/TextLayout <init>(Ljava/awt/font/TextLine;B[FF)V
java/awt/font/TextLayout paragraphInit(BLsun/font/CoreMetrics;Ljava/util/Map;[C)V
java/awt/font/TextLayout
fastInit([CLjava/awt/Font;Ljava/util/Map;Ljava/awt/font/FontRenderContext;)V
java/awt/font/TextLayout initTextLine()V

java/awt/font/TextLayout
standardInit(Ljava/text/AttributedCharacterIterator;[CLjava/awt/font/FontRenderContext;)V
java/awt/font/TextLayout ensureCache()V
java/awt/font/TextLayout buildCache()V
java/awt/font/TextLayout getNaturalBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLayout clone()Ljava/lang/Object;
java/awt/font/TextLayout checkTextHit(Ljava/awt/font/TextHitInfo;)V
java/awt/font/TextLayout getJustifiedLayout(F)Ljava/awt/font/TextLayout;
java/awt/font/TextLayout handleJustify(F)V
java/awt/font/TextLayout getBaseline()B
java/awt/font/TextLayout getBaselineOffsets()[F
java/awt/font/TextLayout getAdvance()F
java/awt/font/TextLayout getVisibleAdvance()F
java/awt/font/TextLayout getAscent()F
java/awt/font/TextLayout getDescent()F
java/awt/font/TextLayout getLeading()F
java/awt/font/TextLayout getBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLayout
isLeftToRight()Z
java/awt/font/TextLayout isVertical()Z
java/awt/font/TextLayout getCharacterCount()I
java/awt/font/TextLayout getCaretInfo(ILjava/awt/geom/Rectangle2D;[F)[F
java/awt/font/TextLayout getCaretInfo(Ljava/awt/font/TextHitInfo;Ljava/awt/geom/Rectangle2D;)[F
java/awt/font/TextLayout getCaretInfoTestInternal(Ljava/awt/font/TextHitInfo;Ljava/awt/geom/Rectangle2D;)[F
java/awt/font/TextLayout getCaretInfo(Ljava/awt/font/TextHitInfo;)[F
java/awt/font/TextLayout hitToCaret(Ljava/awt/font/TextHitInfo;)I
java/awt/font/TextLayout caretToHit(I)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout caretIsValid(I)Z
java/awt/font/TextLayout getNextRightHit(Ljava/awt/font/TextHitInfo;)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout getNextRightHit(ILjava/awt/font/TextLayout$CaretPolicy;)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout getNextRightHit(I)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout getNextLeftHit(Ljava/awt/font/TextHitInfo;)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout
getNextLeftHit(ILjava/awt/font/TextLayout$CaretPolicy;)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout getNextLeftHit(I)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout getVisualOtherHit(Ljava/awt/font/TextHitInfo;)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout getCaretPath(Ljava/awt/font/TextHitInfo;Ljava/awt/geom/Rectangle2D;)[D
java/awt/font/TextLayout getCaretPath(ILjava/awt/geom/Rectangle2D;Z)[D
java/awt/font/TextLayout pathToShape([DZ)Ljava/awt/geom/GeneralPath;
java/awt/font/TextLayout
getCaretShape(Ljava/awt/font/TextHitInfo;Ljava/awt/geom/Rectangle2D;)Ljava/awt/Shape;
java/awt/font/TextLayout getCaretShape(Ljava/awt/font/TextHitInfo;)Ljava/awt/Shape;
java/awt/font/TextLayout
getStrongHit(Ljava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout getCharacterLevel(I)B
java/awt/font/TextLayout
getCaretShapes(ILjava/awt/geom/Rectangle2D;Ljava/awt/font/TextLayout$CaretPolicy;)[Ljava/awt/Shape;
java/awt/font/TextLayout

getCaretShapes(ILjava/awt/geom/Rectangle2D;)[Ljava/awt/Shape;
java/awt/font/TextLayout getCaretShapes(I)[Ljava/awt/Shape;
java/awt/font/TextLayout boundingShape([D[D)Ljava/awt/geom/GeneralPath;
java/awt/font/TextLayout caretBoundingShape(IILjava/awt/geom/Rectangle2D;)Ljava/awt/geom/GeneralPath;
java/awt/font/TextLayout leftShape(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/GeneralPath;
java/awt/font/TextLayout rightShape(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/GeneralPath;
java/awt/font/TextLayout
getLogicalRangesForVisualSelection(Ljava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;)[I
java/awt/font/TextLayout
getVisualHighlightShape(Ljava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;Ljava/awt/geom/Rectangle2D;)Lj
ava/awt/Shape;
java/awt/font/TextLayout
getVisualHighlightShape(Ljava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;)Ljava/awt/Shape;
java/awt/font/TextLayout getLogicalHighlightShape(IILjava/awt/geom/Rectangle2D;)Ljava/awt/Shape;
java/awt/font/TextLayout
getLogicalHighlightShape(II)Ljava/awt/Shape;
java/awt/font/TextLayout getBlackBoxBounds(II)Ljava/awt/Shape;
java/awt/font/TextLayout caretToPointDistance([FFF)F
java/awt/font/TextLayout hitTestChar(FFLjava/awt/geom/Rectangle2D;)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout hitTestChar(FF)Ljava/awt/font/TextHitInfo;
java/awt/font/TextLayout hashCode()I
java/awt/font/TextLayout equals(Ljava/lang/Object;)Z
java/awt/font/TextLayout equals(Ljava/awt/font/TextLayout;)Z
java/awt/font/TextLayout toString()Ljava/lang/String;
java/awt/font/TextLayout draw(Ljava/awt/Graphics2D;FF)V
java/awt/font/TextLayout getTextLineForTesting()Ljava/awt/font/TextLine;
java/awt/font/TextLayout sameBaselineUpTo(Ljava/awt/Font;[CII)I
java/awt/font/TextLayout getBaselineFromGraphic(Ljava/awt/font/GraphicAttribute;)B
java/awt/font/TextLayout getOutline(Ljava/awt/geom/AffineTransform;)Ljava/awt/Shape;
java/awt/font/TextLayout
access$000(Ljava/awt/font/TextLayout;Ljava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;)Ljava/awt/font/Text
HitInfo;
java/awt/font/TextLayout
<clinit>()V
class java/awt/font/TextLine$1 java/awt/font/TextLine$Function
java/awt/font/TextLine$1 <init>()V
java/awt/font/TextLine$1 computeFunction(Ljava/awt/font/TextLine;II)F
class java/awt/font/TextLine$2 java/awt/font/TextLine$Function
java/awt/font/TextLine$2 <init>()V
java/awt/font/TextLine$2 computeFunction(Ljava/awt/font/TextLine;II)F
class java/awt/font/TextLine$3 java/awt/font/TextLine$Function
java/awt/font/TextLine$3 <init>()V
java/awt/font/TextLine$3 computeFunction(Ljava/awt/font/TextLine;II)F
class java/awt/font/TextLine$4 java/awt/font/TextLine$Function
java/awt/font/TextLine$4 <init>()V
java/awt/font/TextLine$4 computeFunction(Ljava/awt/font/TextLine;II)F
class java/awt/font/TextLine$Function java/lang/Object
java/awt/font/TextLine$Function <init>()V

java/awt/font/TextLine$Function computeFunction(Ljava/awt/font/TextLine;II)F
java/awt/font/TextLine$Function <init>(Ljava/awt/font/TextLine$1;)V
class
 java/awt/font/TextLine$TextLineMetrics java/lang/Object
java/awt/font/TextLine$TextLineMetrics ascent
java/awt/font/TextLine$TextLineMetrics descent
java/awt/font/TextLine$TextLineMetrics leading
java/awt/font/TextLine$TextLineMetrics advance
java/awt/font/TextLine$TextLineMetrics <init>(FFFF)V
class java/awt/font/TextLine java/lang/Object
java/awt/font/TextLine fComponents
java/awt/font/TextLine fBaselineOffsets
java/awt/font/TextLine fComponentVisualOrder
java/awt/font/TextLine locs
java/awt/font/TextLine fChars
java/awt/font/TextLine fCharsStart
java/awt/font/TextLine fCharsLimit
java/awt/font/TextLine fCharVisualOrder
java/awt/font/TextLine fCharLogicalOrder
java/awt/font/TextLine fCharLevels
java/awt/font/TextLine fIsDirectionLTR
java/awt/font/TextLine fMetrics
java/awt/font/TextLine fgPosAdvF
java/awt/font/TextLine fgAdvanceF
java/awt/font/TextLine fgXPositionF
java/awt/font/TextLine fgYPositionF
java/awt/font/TextLine <init>([Lsun/font/TextLineComponent;[F[CII[I[BZ)V
java/awt/font/TextLine
 checkCtorArgs()V
java/awt/font/TextLine init()V
java/awt/font/TextLine characterCount()I
java/awt/font/TextLine isDirectionLTR()Z
java/awt/font/TextLine getMetrics()Ljava/awt/font/TextLine$TextLineMetrics;
java/awt/font/TextLine visualToLogical(I)I
java/awt/font/TextLine logicalToVisual(I)I
java/awt/font/TextLine getCharLevel(I)B
java/awt/font/TextLine isCharLTR(I)Z
java/awt/font/TextLine getCharType(I)I
java/awt/font/TextLine isCharSpace(I)Z
java/awt/font/TextLine isCharWhitespace(I)Z
java/awt/font/TextLine getCharAngle(I)F
java/awt/font/TextLine getCoreMetricsAt(I)Lsun/font/CoreMetrics;
java/awt/font/TextLine getCharAscent(I)F
java/awt/font/TextLine getCharDescent(I)F
java/awt/font/TextLine getCharShift(I)F
java/awt/font/TextLine applyFunctionAtIndex(ILjava/awt/font/TextLine$Function;)F
java/awt/font/TextLine getCharAdvance(I)F
java/awt/font/TextLine getCharXPosition(I)F

java/awt/font/TextLine getCharYPosition(I)F
java/awt/font/TextLine
getCharLinePosition(I)F
java/awt/font/TextLine getCharLinePosition(IZ)F
java/awt/font/TextLine caretAtOffsetIsValid(I)Z
java/awt/font/TextLine getCharBounds(I)Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLine getComponentShift(I)F
java/awt/font/TextLine draw(Ljava/awt/Graphics2D;FF)V
java/awt/font/TextLine getBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLine getItalicBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/TextLine getOutline(Ljava/awt/geom/AffineTransform;)Ljava/awt/Shape;
java/awt/font/TextLine hashCode()I
java/awt/font/TextLine toString()Ljava/lang/String;
java/awt/font/TextLine
fastCreateTextLine(Ljava/awt/font/FontRenderContext;[CLjava/awt/Font;Lsun/font/CoreMetrics;Ljava/util/Map;)Ljava/awt/font/TextLine;
java/awt/font/TextLine expandArray([Lsun/font/TextLineComponent;)[Lsun/font/TextLineComponent;
java/awt/font/TextLine
createComponentsOnRun(II[C[I[BLsun/font/TextLabelFactory;Ljava/awt/Font;Lsun/font/CoreMetrics;Ljava/awt/font/FontRenderContext;Lsun/font/Decoration;[Lsun/font/TextLineComponent;I)[Lsun/font/TextLineComponent;
java/awt/font/TextLine
getComponents(Ljava/awt/font/StyledParagraph;[CII[I[BLsun/font/TextLabelFactory;)[Lsun/font/TextLineComponent;
java/awt/font/TextLine
createLineFromText([CLjava/awt/font/StyledParagraph;Lsun/font/TextLabelFactory;Z[F)Ljava/awt/font/TextLine;
java/awt/font/TextLine computeComponentOrder([Lsun/font/TextLineComponent;[I)[I
java/awt/font/TextLine
standardCreateTextLine(Ljava/awt/font/FontRenderContext;Ljava/text/AttributedCharacterIterator;[C[F)Ljava/awt/font/TextLine;
java/awt/font/TextLine advanceToFirstFont(Ljava/text/AttributedCharacterIterator;)Z
java/awt/font/TextLine getNormalizedOffsets([FB)[F
java/awt/font/TextLine getFontAtCurrentPos(Ljava/text/AttributedCharacterIterator;)Ljava/awt/Font;
java/awt/font/TextLine getJustifyRatio(Ljava/util/Map;)F
java/awt/font/TextLine firstVisualChunk([I[BII)I
java/awt/font/TextLine getJustifiedLine(FFII)Ljava/awt/font/TextLine;
java/awt/font/TextLine
getAdvanceBetween([Lsun/font/TextLineComponent;II)F
java/awt/font/TextLine access$100(Ljava/awt/font/TextLine;)[Lsun/font/TextLineComponent;
java/awt/font/TextLine access$200(Ljava/awt/font/TextLine;)[I
java/awt/font/TextLine access$300(Ljava/awt/font/TextLine;)[F
java/awt/font/TextLine access$400(Ljava/awt/font/TextLine;I)F
java/awt/font/TextLine <clinit>()V
class java/awt/font/TextMeasurer java/lang/Object
java/awt/font/TextMeasurer EST_LINES
java/awt/font/TextMeasurer fFrc
java/awt/font/TextMeasurer fStart
java/awt/font/TextMeasurer fChars
java/awt/font/TextMeasurer fBidi

java/awt/font/TextMeasurer fLevels
java/awt/font/TextMeasurer fComponents
java/awt/font/TextMeasurer fComponentStart
java/awt/font/TextMeasurer fComponentLimit
java/awt/font/TextMeasurer haveLayoutWindow
java/awt/font/TextMeasurer fLineBreak
java/awt/font/TextMeasurer charIter
java/awt/font/TextMeasurer layoutCount
java/awt/font/TextMeasurer layoutCharCount
java/awt/font/TextMeasurer fParagraph
java/awt/font/TextMeasurer
fIsDirectionLTR
java/awt/font/TextMeasurer fBaseline
java/awt/font/TextMeasurer fBaselineOffsets
java/awt/font/TextMeasurer fJustifyRatio
java/awt/font/TextMeasurer formattedChars
java/awt/font/TextMeasurer wantStats
java/awt/font/TextMeasurer collectStats
java/awt/font/TextMeasurer <init>(Ljava/text/AttributedCharacterIterator;Ljava/awt/font/FontRenderContext;)V
java/awt/font/TextMeasurer clone()Ljava/lang/Object;
java/awt/font/TextMeasurer invalidateComponents()V
java/awt/font/TextMeasurer initAll(Ljava/text/AttributedCharacterIterator;)V
java/awt/font/TextMeasurer generateComponents(II)V
java/awt/font/TextMeasurer calcLineBreak(IF)I
java/awt/font/TextMeasurer trailingCdWhitespaceStart(II)I
java/awt/font/TextMeasurer makeComponentsOnRange(II)[Lsun/font/TextLineComponent;
java/awt/font/TextMeasurer makeTextLineOnRange(II)Ljava/awt/font/TextLine;
java/awt/font/TextMeasurer ensureComponents(II)V
java/awt/font/TextMeasurer makeLayoutWindow(I)V
java/awt/font/TextMeasurer getLineBreakIndex(IF)I
java/awt/font/TextMeasurer
getAdvanceBetween(II)F
java/awt/font/TextMeasurer getLayout(II)Ljava/awt/font/TextLayout;
java/awt/font/TextMeasurer printStats()V
java/awt/font/TextMeasurer insertChar(Ljava/text/AttributedCharacterIterator;I)V
java/awt/font/TextMeasurer deleteChar(Ljava/text/AttributedCharacterIterator;I)V
java/awt/font/TextMeasurer getChars()[C
java/awt/font/TextMeasurer <clinit>()V
class java/awt/geom/Arc2D$Double java/awt/geom/Arc2D
java/awt/geom/Arc2D$Double x
java/awt/geom/Arc2D$Double y
java/awt/geom/Arc2D$Double width
java/awt/geom/Arc2D$Double height
java/awt/geom/Arc2D$Double start
java/awt/geom/Arc2D$Double extent
java/awt/geom/Arc2D$Double <init>()V
java/awt/geom/Arc2D$Double <init>(I)V
java/awt/geom/Arc2D$Double <init>(DDDDDDI)V

java/awt/geom/Arc2D$Double <init>(Ljava/awt/geom/Rectangle2D;DDI)V
java/awt/geom/Arc2D$Double getX()D
java/awt/geom/Arc2D$Double getY()D
java/awt/geom/Arc2D$Double getWidth()D
java/awt/geom/Arc2D$Double getHeight()D
java/awt/geom/Arc2D$Double
getAngleStart()D
java/awt/geom/Arc2D$Double getAngleExtent()D
java/awt/geom/Arc2D$Double isEmpty()Z
java/awt/geom/Arc2D$Double setArc(DDDDDDI)V
java/awt/geom/Arc2D$Double setAngleStart(D)V
java/awt/geom/Arc2D$Double setAngleExtent(D)V
java/awt/geom/Arc2D$Double makeBounds(DDDD)Ljava/awt/geom/Rectangle2D;
class java/awt/geom/Arc2D$Float java/awt/geom/Arc2D
java/awt/geom/Arc2D$Float x
java/awt/geom/Arc2D$Float y
java/awt/geom/Arc2D$Float width
java/awt/geom/Arc2D$Float height
java/awt/geom/Arc2D$Float start
java/awt/geom/Arc2D$Float extent
java/awt/geom/Arc2D$Float <init>()V
java/awt/geom/Arc2D$Float <init>(I)V
java/awt/geom/Arc2D$Float <init>(FFFFFFI)V
java/awt/geom/Arc2D$Float <init>(Ljava/awt/geom/Rectangle2D;FFI)V
java/awt/geom/Arc2D$Float getX()D
java/awt/geom/Arc2D$Float getY()D
java/awt/geom/Arc2D$Float getWidth()D
java/awt/geom/Arc2D$Float getHeight()D
java/awt/geom/Arc2D$Float getAngleStart()D
java/awt/geom/Arc2D$Float getAngleExtent()D
java/awt/geom/Arc2D$Float
isEmpty()Z
java/awt/geom/Arc2D$Float setArc(DDDDDDI)V
java/awt/geom/Arc2D$Float setAngleStart(D)V
java/awt/geom/Arc2D$Float setAngleExtent(D)V
java/awt/geom/Arc2D$Float makeBounds(DDDD)Ljava/awt/geom/Rectangle2D;
class java/awt/geom/Arc2D java/awt/geom/RectangularShape
java/awt/geom/Arc2D OPEN
java/awt/geom/Arc2D CHORD
java/awt/geom/Arc2D PIE
java/awt/geom/Arc2D type
java/awt/geom/Arc2D <init>(I)V
java/awt/geom/Arc2D getAngleStart()D
java/awt/geom/Arc2D getAngleExtent()D
java/awt/geom/Arc2D getArcType()I
java/awt/geom/Arc2D getStartPoint()Ljava/awt/geom/Point2D;
java/awt/geom/Arc2D getEndPoint()Ljava/awt/geom/Point2D;
java/awt/geom/Arc2D setArc(DDDDDDI)V

java/awt/geom/Arc2D setArc(Ljava/awt/geom/Point2D;Ljava/awt/geom/Dimension2D;DDI)V
java/awt/geom/Arc2D setArc(Ljava/awt/geom/Rectangle2D;DDI)V
java/awt/geom/Arc2D setArc(Ljava/awt/geom/Arc2D;)V
java/awt/geom/Arc2D setArcByCenter(DDDDDI)V
java/awt/geom/Arc2D
setArcByTangent(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;D)V
java/awt/geom/Arc2D
setAngleStart(D)V
java/awt/geom/Arc2D setAngleExtent(D)V
java/awt/geom/Arc2D setAngleStart(Ljava/awt/geom/Point2D;)V
java/awt/geom/Arc2D setAngles(DDDD)V
java/awt/geom/Arc2D setAngles(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)V
java/awt/geom/Arc2D setArcType(I)V
java/awt/geom/Arc2D setFrame(DDDD)V
java/awt/geom/Arc2D getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/geom/Arc2D makeBounds(DDDD)Ljava/awt/geom/Rectangle2D;
java/awt/geom/Arc2D normalizeDegrees(D)D
java/awt/geom/Arc2D containsAngle(D)Z
java/awt/geom/Arc2D contains(DD)Z
java/awt/geom/Arc2D intersects(DDDD)Z
java/awt/geom/Arc2D contains(DDDD)Z
java/awt/geom/Arc2D contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/Arc2D contains(DDDDLjava/awt/geom/Rectangle2D;)Z
java/awt/geom/Arc2D getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
class java/awt/geom/ArcIterator java/lang/Object
java/awt/geom/ArcIterator x
java/awt/geom/ArcIterator y
java/awt/geom/ArcIterator w
java/awt/geom/ArcIterator
h
java/awt/geom/ArcIterator angStRad
java/awt/geom/ArcIterator increment
java/awt/geom/ArcIterator cv
java/awt/geom/ArcIterator affine
java/awt/geom/ArcIterator index
java/awt/geom/ArcIterator arcSegs
java/awt/geom/ArcIterator lineSegs
java/awt/geom/ArcIterator <init>(Ljava/awt/geom/Arc2D;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/ArcIterator getWindingRule()I
java/awt/geom/ArcIterator isDone()Z
java/awt/geom/ArcIterator next()V
java/awt/geom/ArcIterator btan(D)D
java/awt/geom/ArcIterator currentSegment([F)I
java/awt/geom/ArcIterator currentSegment([D)I
class java/awt/geom/Area java/lang/Object
java/awt/geom/Area EmptyCurves
java/awt/geom/Area curves
java/awt/geom/Area cachedBounds

java/awt/geom/Area <init>()V
java/awt/geom/Area <init>(Ljava/awt/Shape;)V
java/awt/geom/Area add(Ljava/awt/geom/Area;)V
java/awt/geom/Area subtract(Ljava/awt/geom/Area;)V
java/awt/geom/Area intersect(Ljava/awt/geom/Area;)V
java/awt/geom/Area exclusiveOr(Ljava/awt/geom/Area;)V
java/awt/geom/Area
reset()V
java/awt/geom/Area isEmpty()Z
java/awt/geom/Area isPolygonal()Z
java/awt/geom/Area isRectangular()Z
java/awt/geom/Area isSingular()Z
java/awt/geom/Area invalidateBounds()V
java/awt/geom/Area getCachedBounds()Ljava/awt/geom/Rectangle2D;
java/awt/geom/Area getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/geom/Area getBounds()Ljava/awt/Rectangle;
java/awt/geom/Area clone()Ljava/lang/Object;
java/awt/geom/Area equals(Ljava/awt/geom/Area;)Z
java/awt/geom/Area transform(Ljava/awt/geom/AffineTransform;)V
java/awt/geom/Area createTransformedArea(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/Area;
java/awt/geom/Area contains(DD)Z
java/awt/geom/Area contains(Ljava/awt/geom/Point2D;)Z
java/awt/geom/Area contains(DDDD)Z
java/awt/geom/Area contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/Area intersects(DDDD)Z
java/awt/geom/Area intersects(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/Area getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
java/awt/geom/Area
getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
java/awt/geom/Area <clinit>()V
class java/awt/geom/AreaIterator java/lang/Object
java/awt/geom/AreaIterator transform
java/awt/geom/AreaIterator curves
java/awt/geom/AreaIterator index
java/awt/geom/AreaIterator prevcurve
java/awt/geom/AreaIterator thiscurve
java/awt/geom/AreaIterator <init>(Ljava/util/Vector;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/AreaIterator getWindingRule()I
java/awt/geom/AreaIterator isDone()Z
java/awt/geom/AreaIterator next()V
java/awt/geom/AreaIterator currentSegment([F)I
java/awt/geom/AreaIterator currentSegment([D)I
class java/awt/geom/CubicCurve2D$Double java/awt/geom/CubicCurve2D
java/awt/geom/CubicCurve2D$Double x1
java/awt/geom/CubicCurve2D$Double y1
java/awt/geom/CubicCurve2D$Double ctrlx1
java/awt/geom/CubicCurve2D$Double ctrly1
java/awt/geom/CubicCurve2D$Double ctrlx2

java/awt/geom/CubicCurve2D$Double ctrly2
java/awt/geom/CubicCurve2D$Double x2
java/awt/geom/CubicCurve2D$Double
y2
java/awt/geom/CubicCurve2D$Double <init>()V
java/awt/geom/CubicCurve2D$Double <init>(DDDDDDDD)V
java/awt/geom/CubicCurve2D$Double getX1()D
java/awt/geom/CubicCurve2D$Double getY1()D
java/awt/geom/CubicCurve2D$Double getP1()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D$Double getCtrlX1()D
java/awt/geom/CubicCurve2D$Double getCtrlY1()D
java/awt/geom/CubicCurve2D$Double getCtrlP1()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D$Double getCtrlX2()D
java/awt/geom/CubicCurve2D$Double getCtrlY2()D
java/awt/geom/CubicCurve2D$Double getCtrlP2()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D$Double getX2()D
java/awt/geom/CubicCurve2D$Double getY2()D
java/awt/geom/CubicCurve2D$Double getP2()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D$Double setCurve(DDDDDDDD)V
java/awt/geom/CubicCurve2D$Double getBounds2D()Ljava/awt/geom/Rectangle2D;
class java/awt/geom/CubicCurve2D$Float java/awt/geom/CubicCurve2D
java/awt/geom/CubicCurve2D$Float x1
java/awt/geom/CubicCurve2D$Float
y1
java/awt/geom/CubicCurve2D$Float ctrlx1
java/awt/geom/CubicCurve2D$Float ctrly1
java/awt/geom/CubicCurve2D$Float ctrlx2
java/awt/geom/CubicCurve2D$Float ctrly2
java/awt/geom/CubicCurve2D$Float x2
java/awt/geom/CubicCurve2D$Float y2
java/awt/geom/CubicCurve2D$Float <init>()V
java/awt/geom/CubicCurve2D$Float <init>(FFFFFFFF)V
java/awt/geom/CubicCurve2D$Float getX1()D
java/awt/geom/CubicCurve2D$Float getY1()D
java/awt/geom/CubicCurve2D$Float getP1()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D$Float getCtrlX1()D
java/awt/geom/CubicCurve2D$Float getCtrlY1()D
java/awt/geom/CubicCurve2D$Float getCtrlP1()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D$Float getCtrlX2()D
java/awt/geom/CubicCurve2D$Float getCtrlY2()D
java/awt/geom/CubicCurve2D$Float getCtrlP2()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D$Float getX2()D
java/awt/geom/CubicCurve2D$Float getY2()D
java/awt/geom/CubicCurve2D$Float getP2()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D$Float setCurve(DDDDDDDD)V
java/awt/geom/CubicCurve2D$Float
setCurve(FFFFFFFF)V
java/awt/geom/CubicCurve2D$Float getBounds2D()Ljava/awt/geom/Rectangle2D;

class java/awt/geom/CubicCurve2D java/lang/Object
java/awt/geom/CubicCurve2D BELOW
java/awt/geom/CubicCurve2D LOWEDGE
java/awt/geom/CubicCurve2D INSIDE
java/awt/geom/CubicCurve2D HIGHEDGE
java/awt/geom/CubicCurve2D ABOVE
java/awt/geom/CubicCurve2D <init>()V
java/awt/geom/CubicCurve2D getX1()D
java/awt/geom/CubicCurve2D getY1()D
java/awt/geom/CubicCurve2D getP1()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D getCtrlX1()D
java/awt/geom/CubicCurve2D getCtrlY1()D
java/awt/geom/CubicCurve2D getCtrlP1()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D getCtrlX2()D
java/awt/geom/CubicCurve2D getCtrlY2()D
java/awt/geom/CubicCurve2D getCtrlP2()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D getX2()D
java/awt/geom/CubicCurve2D getY2()D
java/awt/geom/CubicCurve2D getP2()Ljava/awt/geom/Point2D;
java/awt/geom/CubicCurve2D setCurve(DDDDDDDD)V
java/awt/geom/CubicCurve2D
setCurve([DI)V
java/awt/geom/CubicCurve2D
setCurve(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)V
java/awt/geom/CubicCurve2D setCurve([Ljava/awt/geom/Point2D;I)V
java/awt/geom/CubicCurve2D setCurve(Ljava/awt/geom/CubicCurve2D;)V
java/awt/geom/CubicCurve2D getFlatnessSq(DDDDDDDD)D
java/awt/geom/CubicCurve2D getFlatness(DDDDDDDD)D
java/awt/geom/CubicCurve2D getFlatnessSq([DI)D
java/awt/geom/CubicCurve2D getFlatness([DI)D
java/awt/geom/CubicCurve2D getFlatnessSq()D
java/awt/geom/CubicCurve2D getFlatness()D
java/awt/geom/CubicCurve2D subdivide(Ljava/awt/geom/CubicCurve2D;Ljava/awt/geom/CubicCurve2D;)V
java/awt/geom/CubicCurve2D
subdivide(Ljava/awt/geom/CubicCurve2D;Ljava/awt/geom/CubicCurve2D;Ljava/awt/geom/CubicCurve2D;)V
java/awt/geom/CubicCurve2D subdivide([DI[DI[DI)V
java/awt/geom/CubicCurve2D solveCubic([D)I
java/awt/geom/CubicCurve2D solveCubic([D[D)I
java/awt/geom/CubicCurve2D fixRoots([D[D)V
java/awt/geom/CubicCurve2D
solveEqn([DID)D
java/awt/geom/CubicCurve2D findZero(DD[D)D
java/awt/geom/CubicCurve2D contains(DD)Z
java/awt/geom/CubicCurve2D contains(Ljava/awt/geom/Point2D;)Z
java/awt/geom/CubicCurve2D fillEqn([DDDDDD)V
java/awt/geom/CubicCurve2D evalCubic([DIZZ[DDDDD)I
java/awt/geom/CubicCurve2D getTag(DDD)I
java/awt/geom/CubicCurve2D inwards(III)Z

java/awt/geom/CubicCurve2D intersects(DDDD)Z
java/awt/geom/CubicCurve2D intersects(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/CubicCurve2D contains(DDDD)Z
java/awt/geom/CubicCurve2D contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/CubicCurve2D getBounds()Ljava/awt/Rectangle;
java/awt/geom/CubicCurve2D getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
java/awt/geom/CubicCurve2D getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
java/awt/geom/CubicCurve2D clone()Ljava/lang/Object;
class java/awt/geom/CubicIterator java/lang/Object
java/awt/geom/CubicIterator cubic
java/awt/geom/CubicIterator affine
java/awt/geom/CubicIterator
 index
java/awt/geom/CubicIterator <init>(Ljava/awt/geom/CubicCurve2D;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/CubicIterator getWindingRule()I
java/awt/geom/CubicIterator isDone()Z
java/awt/geom/CubicIterator next()V
java/awt/geom/CubicIterator currentSegment([F)I
java/awt/geom/CubicIterator currentSegment([D)I
class java/awt/geom/Ellipse2D$Double java/awt/geom/Ellipse2D
java/awt/geom/Ellipse2D$Double x
java/awt/geom/Ellipse2D$Double y
java/awt/geom/Ellipse2D$Double width
java/awt/geom/Ellipse2D$Double height
java/awt/geom/Ellipse2D$Double <init>()V
java/awt/geom/Ellipse2D$Double <init>(DDDD)V
java/awt/geom/Ellipse2D$Double getX()D
java/awt/geom/Ellipse2D$Double getY()D
java/awt/geom/Ellipse2D$Double getWidth()D
java/awt/geom/Ellipse2D$Double getHeight()D
java/awt/geom/Ellipse2D$Double isEmpty()Z
java/awt/geom/Ellipse2D$Double setFrame(DDDD)V
java/awt/geom/Ellipse2D$Double getBounds2D()Ljava/awt/geom/Rectangle2D;
class java/awt/geom/Ellipse2D$Float
 java/awt/geom/Ellipse2D
java/awt/geom/Ellipse2D$Float x
java/awt/geom/Ellipse2D$Float y
java/awt/geom/Ellipse2D$Float width
java/awt/geom/Ellipse2D$Float height
java/awt/geom/Ellipse2D$Float <init>()V
java/awt/geom/Ellipse2D$Float <init>(FFFF)V
java/awt/geom/Ellipse2D$Float getX()D
java/awt/geom/Ellipse2D$Float getY()D
java/awt/geom/Ellipse2D$Float getWidth()D
java/awt/geom/Ellipse2D$Float getHeight()D
java/awt/geom/Ellipse2D$Float isEmpty()Z
java/awt/geom/Ellipse2D$Float setFrame(FFFF)V
java/awt/geom/Ellipse2D$Float setFrame(DDDD)V

java/awt/geom/Ellipse2D$Float getBounds2D()Ljava/awt/geom/Rectangle2D;
class java/awt/geom/Ellipse2D java/awt/geom/RectangularShape
java/awt/geom/Ellipse2D <init>()V
java/awt/geom/Ellipse2D contains(DD)Z
java/awt/geom/Ellipse2D intersects(DDDD)Z
java/awt/geom/Ellipse2D contains(DDDD)Z
java/awt/geom/Ellipse2D getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
class java/awt/geom/EllipseIterator java/lang/Object
java/awt/geom/EllipseIterator
x
java/awt/geom/EllipseIterator y
java/awt/geom/EllipseIterator w
java/awt/geom/EllipseIterator h
java/awt/geom/EllipseIterator affine
java/awt/geom/EllipseIterator index
java/awt/geom/EllipseIterator CtrlVal
java/awt/geom/EllipseIterator pcv
java/awt/geom/EllipseIterator ncv
java/awt/geom/EllipseIterator ctrlpts
java/awt/geom/EllipseIterator <init>(Ljava/awt/geom/Ellipse2D;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/EllipseIterator getWindingRule()I
java/awt/geom/EllipseIterator isDone()Z
java/awt/geom/EllipseIterator next()V
java/awt/geom/EllipseIterator currentSegment([F)I
java/awt/geom/EllipseIterator currentSegment([D)I
java/awt/geom/EllipseIterator <clinit>()V
class java/awt/geom/FlatteningPathIterator java/lang/Object
java/awt/geom/FlatteningPathIterator GROW_SIZE
java/awt/geom/FlatteningPathIterator src
java/awt/geom/FlatteningPathIterator squareflat
java/awt/geom/FlatteningPathIterator limit
java/awt/geom/FlatteningPathIterator hold
java/awt/geom/FlatteningPathIterator
curx
java/awt/geom/FlatteningPathIterator cury
java/awt/geom/FlatteningPathIterator movx
java/awt/geom/FlatteningPathIterator movy
java/awt/geom/FlatteningPathIterator holdType
java/awt/geom/FlatteningPathIterator holdEnd
java/awt/geom/FlatteningPathIterator holdIndex
java/awt/geom/FlatteningPathIterator levels
java/awt/geom/FlatteningPathIterator levelIndex
java/awt/geom/FlatteningPathIterator done
java/awt/geom/FlatteningPathIterator <init>(Ljava/awt/geom/PathIterator;D)V
java/awt/geom/FlatteningPathIterator <init>(Ljava/awt/geom/PathIterator;DI)V
java/awt/geom/FlatteningPathIterator getFlatness()D
java/awt/geom/FlatteningPathIterator getRecursionLimit()I
java/awt/geom/FlatteningPathIterator getWindingRule()I

java/awt/geom/FlatteningPathIterator isDone()Z
java/awt/geom/FlatteningPathIterator ensureHoldCapacity(I)V
java/awt/geom/FlatteningPathIterator next()V
java/awt/geom/FlatteningPathIterator next(Z)V
java/awt/geom/FlatteningPathIterator currentSegment([F)I
java/awt/geom/FlatteningPathIterator
currentSegment([D)I
class java/awt/geom/GeneralPathIterator java/lang/Object
java/awt/geom/GeneralPathIterator typeIdx
java/awt/geom/GeneralPathIterator pointIdx
java/awt/geom/GeneralPathIterator path
java/awt/geom/GeneralPathIterator affine
java/awt/geom/GeneralPathIterator curvesize
java/awt/geom/GeneralPathIterator <init>(Ljava/awt/geom/GeneralPath;)V
java/awt/geom/GeneralPathIterator <init>(Ljava/awt/geom/GeneralPath;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/GeneralPathIterator getWindingRule()I
java/awt/geom/GeneralPathIterator isDone()Z
java/awt/geom/GeneralPathIterator next()V
java/awt/geom/GeneralPathIterator currentSegment([F)I
java/awt/geom/GeneralPathIterator currentSegment([D)I
java/awt/geom/GeneralPathIterator <clinit>()V
class java/awt/geom/IllegalPathStateException java/lang/RuntimeException
java/awt/geom/IllegalPathStateException <init>()V
java/awt/geom/IllegalPathStateException <init>(Ljava/lang/String;)V
class java/awt/geom/Line2D$Double java/awt/geom/Line2D
java/awt/geom/Line2D$Double
x1
java/awt/geom/Line2D$Double y1
java/awt/geom/Line2D$Double x2
java/awt/geom/Line2D$Double y2
java/awt/geom/Line2D$Double <init>()V
java/awt/geom/Line2D$Double <init>(DDDD)V
java/awt/geom/Line2D$Double <init>(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)V
java/awt/geom/Line2D$Double getX1()D
java/awt/geom/Line2D$Double getY1()D
java/awt/geom/Line2D$Double getP1()Ljava/awt/geom/Point2D;
java/awt/geom/Line2D$Double getX2()D
java/awt/geom/Line2D$Double getY2()D
java/awt/geom/Line2D$Double getP2()Ljava/awt/geom/Point2D;
java/awt/geom/Line2D$Double setLine(DDDD)V
java/awt/geom/Line2D$Double getBounds2D()Ljava/awt/geom/Rectangle2D;
class java/awt/geom/NoninvertibleTransformException java/lang/Exception
java/awt/geom/NoninvertibleTransformException <init>(Ljava/lang/String;)V
class java/awt/geom/Point2D$Double java/awt/geom/Point2D
java/awt/geom/Point2D$Double x
java/awt/geom/Point2D$Double y
java/awt/geom/Point2D$Double <init>()V
java/awt/geom/Point2D$Double

<init>(DD)V
java/awt/geom/Point2D$Double getX()D
java/awt/geom/Point2D$Double getY()D
java/awt/geom/Point2D$Double setLocation(DD)V
java/awt/geom/Point2D$Double toString()Ljava/lang/String;
class java/awt/geom/QuadCurve2D$Double java/awt/geom/QuadCurve2D
java/awt/geom/QuadCurve2D$Double x1
java/awt/geom/QuadCurve2D$Double y1
java/awt/geom/QuadCurve2D$Double ctrlx
java/awt/geom/QuadCurve2D$Double ctrly
java/awt/geom/QuadCurve2D$Double x2
java/awt/geom/QuadCurve2D$Double y2
java/awt/geom/QuadCurve2D$Double <init>()V
java/awt/geom/QuadCurve2D$Double <init>(DDDDDD)V
java/awt/geom/QuadCurve2D$Double getX1()D
java/awt/geom/QuadCurve2D$Double getY1()D
java/awt/geom/QuadCurve2D$Double getP1()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D$Double getCtrlX()D
java/awt/geom/QuadCurve2D$Double getCtrlY()D
java/awt/geom/QuadCurve2D$Double getCtrlPt()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D$Double getX2()D
java/awt/geom/QuadCurve2D$Double getY2()D
java/awt/geom/QuadCurve2D$Double
getP2()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D$Double setCurve(DDDDDD)V
java/awt/geom/QuadCurve2D$Double getBounds2D()Ljava/awt/geom/Rectangle2D;
class java/awt/geom/QuadCurve2D$Float java/awt/geom/QuadCurve2D
java/awt/geom/QuadCurve2D$Float x1
java/awt/geom/QuadCurve2D$Float y1
java/awt/geom/QuadCurve2D$Float ctrlx
java/awt/geom/QuadCurve2D$Float ctrly
java/awt/geom/QuadCurve2D$Float x2
java/awt/geom/QuadCurve2D$Float y2
java/awt/geom/QuadCurve2D$Float <init>()V
java/awt/geom/QuadCurve2D$Float <init>(FFFFFF)V
java/awt/geom/QuadCurve2D$Float getX1()D
java/awt/geom/QuadCurve2D$Float getY1()D
java/awt/geom/QuadCurve2D$Float getP1()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D$Float getCtrlX()D
java/awt/geom/QuadCurve2D$Float getCtrlY()D
java/awt/geom/QuadCurve2D$Float getCtrlPt()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D$Float getX2()D
java/awt/geom/QuadCurve2D$Float getY2()D
java/awt/geom/QuadCurve2D$Float getP2()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D$Float
setCurve(DDDDDD)V
java/awt/geom/QuadCurve2D$Float setCurve(FFFFFF)V
java/awt/geom/QuadCurve2D$Float getBounds2D()Ljava/awt/geom/Rectangle2D;

class java/awt/geom/QuadCurve2D java/lang/Object
java/awt/geom/QuadCurve2D BELOW
java/awt/geom/QuadCurve2D LOWEDGE
java/awt/geom/QuadCurve2D INSIDE
java/awt/geom/QuadCurve2D HIGHEDGE
java/awt/geom/QuadCurve2D ABOVE
java/awt/geom/QuadCurve2D <init>()V
java/awt/geom/QuadCurve2D getX1()D
java/awt/geom/QuadCurve2D getY1()D
java/awt/geom/QuadCurve2D getP1()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D getCtrlX()D
java/awt/geom/QuadCurve2D getCtrlY()D
java/awt/geom/QuadCurve2D getCtrlPt()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D getX2()D
java/awt/geom/QuadCurve2D getY2()D
java/awt/geom/QuadCurve2D getP2()Ljava/awt/geom/Point2D;
java/awt/geom/QuadCurve2D setCurve(DDDDDD)V
java/awt/geom/QuadCurve2D setCurve([DI)V
java/awt/geom/QuadCurve2D
setCurve(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)V
java/awt/geom/QuadCurve2D
setCurve([Ljava/awt/geom/Point2D;I)V
java/awt/geom/QuadCurve2D setCurve(Ljava/awt/geom/QuadCurve2D;)V
java/awt/geom/QuadCurve2D getFlatnessSq(DDDDDD)D
java/awt/geom/QuadCurve2D getFlatness(DDDDDD)D
java/awt/geom/QuadCurve2D getFlatnessSq([DI)D
java/awt/geom/QuadCurve2D getFlatness([DI)D
java/awt/geom/QuadCurve2D getFlatnessSq()D
java/awt/geom/QuadCurve2D getFlatness()D
java/awt/geom/QuadCurve2D subdivide(Ljava/awt/geom/QuadCurve2D;Ljava/awt/geom/QuadCurve2D;)V
java/awt/geom/QuadCurve2D
subdivide(Ljava/awt/geom/QuadCurve2D;Ljava/awt/geom/QuadCurve2D;Ljava/awt/geom/QuadCurve2D;)V
java/awt/geom/QuadCurve2D subdivide([DI[DI[DI)V
java/awt/geom/QuadCurve2D solveQuadratic([D)I
java/awt/geom/QuadCurve2D solveQuadratic([D[D)I
java/awt/geom/QuadCurve2D contains(DD)Z
java/awt/geom/QuadCurve2D contains(Ljava/awt/geom/Point2D;)Z
java/awt/geom/QuadCurve2D fillEqn([DDDDD)V
java/awt/geom/QuadCurve2D evalQuadratic([DIZZ[DDDD)I
java/awt/geom/QuadCurve2D getTag(DDD)I
java/awt/geom/QuadCurve2D
inwards(III)Z
java/awt/geom/QuadCurve2D intersects(DDDD)Z
java/awt/geom/QuadCurve2D intersects(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/QuadCurve2D contains(DDDD)Z
java/awt/geom/QuadCurve2D contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/QuadCurve2D getBounds()Ljava/awt/Rectangle;
java/awt/geom/QuadCurve2D getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;

java/awt/geom/QuadCurve2D getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
java/awt/geom/QuadCurve2D clone()Ljava/lang/Object;
class java/awt/geom/QuadIterator java/lang/Object
java/awt/geom/QuadIterator quad
java/awt/geom/QuadIterator affine
java/awt/geom/QuadIterator index
java/awt/geom/QuadIterator <init>(Ljava/awt/geom/QuadCurve2D;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/QuadIterator getWindingRule()I
java/awt/geom/QuadIterator isDone()Z
java/awt/geom/QuadIterator next()V
java/awt/geom/QuadIterator currentSegment([F)I
java/awt/geom/QuadIterator currentSegment([D)I
class
java/awt/geom/RectIterator java/lang/Object
java/awt/geom/RectIterator x
java/awt/geom/RectIterator y
java/awt/geom/RectIterator w
java/awt/geom/RectIterator h
java/awt/geom/RectIterator affine
java/awt/geom/RectIterator index
java/awt/geom/RectIterator <init>(Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/RectIterator getWindingRule()I
java/awt/geom/RectIterator isDone()Z
java/awt/geom/RectIterator next()V
java/awt/geom/RectIterator currentSegment([F)I
java/awt/geom/RectIterator currentSegment([D)I
class java/awt/geom/Rectangle2D$Double java/awt/geom/Rectangle2D
java/awt/geom/Rectangle2D$Double x
java/awt/geom/Rectangle2D$Double y
java/awt/geom/Rectangle2D$Double width
java/awt/geom/Rectangle2D$Double height
java/awt/geom/Rectangle2D$Double <init>()V
java/awt/geom/Rectangle2D$Double <init>(DDDD)V
java/awt/geom/Rectangle2D$Double getX()D
java/awt/geom/Rectangle2D$Double getY()D
java/awt/geom/Rectangle2D$Double getWidth()D
java/awt/geom/Rectangle2D$Double
getHeight()D
java/awt/geom/Rectangle2D$Double isEmpty()Z
java/awt/geom/Rectangle2D$Double setRect(DDDD)V
java/awt/geom/Rectangle2D$Double setRect(Ljava/awt/geom/Rectangle2D;)V
java/awt/geom/Rectangle2D$Double outcode(DD)I
java/awt/geom/Rectangle2D$Double getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D$Double
createIntersection(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D$Double createUnion(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D$Double toString()Ljava/lang/String;
class java/awt/geom/RoundRectIterator java/lang/Object

java/awt/geom/RoundRectIterator x
java/awt/geom/RoundRectIterator y
java/awt/geom/RoundRectIterator w
java/awt/geom/RoundRectIterator h
java/awt/geom/RoundRectIterator aw
java/awt/geom/RoundRectIterator ah
java/awt/geom/RoundRectIterator affine
java/awt/geom/RoundRectIterator index
java/awt/geom/RoundRectIterator angle
java/awt/geom/RoundRectIterator a
java/awt/geom/RoundRectIterator
b
java/awt/geom/RoundRectIterator c
java/awt/geom/RoundRectIterator cv
java/awt/geom/RoundRectIterator acv
java/awt/geom/RoundRectIterator ctrlpts
java/awt/geom/RoundRectIterator types
java/awt/geom/RoundRectIterator <init>(Ljava/awt/geom/RoundRectangle2D;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/RoundRectIterator getWindingRule()I
java/awt/geom/RoundRectIterator isDone()Z
java/awt/geom/RoundRectIterator next()V
java/awt/geom/RoundRectIterator currentSegment([F)I
java/awt/geom/RoundRectIterator currentSegment([D)I
java/awt/geom/RoundRectIterator <clinit>()V
class java/awt/geom/RoundRectangle2D$Double java/awt/geom/RoundRectangle2D
java/awt/geom/RoundRectangle2D$Double x
java/awt/geom/RoundRectangle2D$Double y
java/awt/geom/RoundRectangle2D$Double width
java/awt/geom/RoundRectangle2D$Double height
java/awt/geom/RoundRectangle2D$Double arcwidth
java/awt/geom/RoundRectangle2D$Double archeight
java/awt/geom/RoundRectangle2D$Double <init>()V
java/awt/geom/RoundRectangle2D$Double
<init>(DDDDDD)V
java/awt/geom/RoundRectangle2D$Double getX()D
java/awt/geom/RoundRectangle2D$Double getY()D
java/awt/geom/RoundRectangle2D$Double getWidth()D
java/awt/geom/RoundRectangle2D$Double getHeight()D
java/awt/geom/RoundRectangle2D$Double getArcWidth()D
java/awt/geom/RoundRectangle2D$Double getArcHeight()D
java/awt/geom/RoundRectangle2D$Double isEmpty()Z
java/awt/geom/RoundRectangle2D$Double setRoundRect(DDDDDD)V
java/awt/geom/RoundRectangle2D$Double setRoundRect(Ljava/awt/geom/RoundRectangle2D;)V
java/awt/geom/RoundRectangle2D$Double getBounds2D()Ljava/awt/geom/Rectangle2D;
class java/awt/geom/RoundRectangle2D$Float java/awt/geom/RoundRectangle2D
java/awt/geom/RoundRectangle2D$Float x
java/awt/geom/RoundRectangle2D$Float y
java/awt/geom/RoundRectangle2D$Float width

java/awt/geom/RoundRectangle2D$Float height
java/awt/geom/RoundRectangle2D$Float arcwidth
java/awt/geom/RoundRectangle2D$Float archeight
java/awt/geom/RoundRectangle2D$Float <init>()V
java/awt/geom/RoundRectangle2D$Float
<init>(FFFFFF)V
java/awt/geom/RoundRectangle2D$Float getX()D
java/awt/geom/RoundRectangle2D$Float getY()D
java/awt/geom/RoundRectangle2D$Float getWidth()D
java/awt/geom/RoundRectangle2D$Float getHeight()D
java/awt/geom/RoundRectangle2D$Float getArcWidth()D
java/awt/geom/RoundRectangle2D$Float getArcHeight()D
java/awt/geom/RoundRectangle2D$Float isEmpty()Z
java/awt/geom/RoundRectangle2D$Float setRoundRect(FFFFFF)V
java/awt/geom/RoundRectangle2D$Float setRoundRect(DDDDDD)V
java/awt/geom/RoundRectangle2D$Float setRoundRect(Ljava/awt/geom/RoundRectangle2D;)V
java/awt/geom/RoundRectangle2D$Float getBounds2D()Ljava/awt/geom/Rectangle2D;
class java/awt/geom/RoundRectangle2D java/awt/geom/RectangularShape
java/awt/geom/RoundRectangle2D <init>()V
java/awt/geom/RoundRectangle2D getArcWidth()D
java/awt/geom/RoundRectangle2D getArcHeight()D
java/awt/geom/RoundRectangle2D setRoundRect(DDDDDD)V
java/awt/geom/RoundRectangle2D setRoundRect(Ljava/awt/geom/RoundRectangle2D;)V
java/awt/geom/RoundRectangle2D
setFrame(DDDD)V
java/awt/geom/RoundRectangle2D contains(DD)Z
java/awt/geom/RoundRectangle2D classify(DDDD)I
java/awt/geom/RoundRectangle2D intersects(DDDD)Z
java/awt/geom/RoundRectangle2D contains(DDDD)Z
java/awt/geom/RoundRectangle2D getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
class java/awt/im/InputSubset java/lang/Character$Subset
java/awt/im/InputSubset LATIN
java/awt/im/InputSubset LATIN_DIGITS
java/awt/im/InputSubset TRADITIONAL_HANZI
java/awt/im/InputSubset SIMPLIFIED_HANZI
java/awt/im/InputSubset KANJI
java/awt/im/InputSubset HANJA
java/awt/im/InputSubset HALFWIDTH_KATAKANA
java/awt/im/InputSubset FULLWIDTH_LATIN
java/awt/im/InputSubset FULLWIDTH_DIGITS
java/awt/im/InputSubset <init>(Ljava/lang/String;)V
java/awt/im/InputSubset <clinit>()V
class java/awt/image/AffineTransformOp java/lang/Object
java/awt/image/AffineTransformOp xform
java/awt/image/AffineTransformOp hints
java/awt/image/AffineTransformOp TYPE_NEAREST_NEIGHBOR
java/awt/image/AffineTransformOp

TYPE_BILINEAR
java/awt/image/AffineTransformOp TYPE_BICUBIC
java/awt/image/AffineTransformOp interpolationType
java/awt/image/AffineTransformOp <init>(Ljava/awt/geom/AffineTransform;Ljava/awt/RenderingHints;)V
java/awt/image/AffineTransformOp <init>(Ljava/awt/geom/AffineTransform;I)V
java/awt/image/AffineTransformOp getInterpolationType()I
java/awt/image/AffineTransformOp
filter(Ljava/awt/image/BufferedImage;Ljava/awt/image/BufferedImage;)Ljava/awt/image/BufferedImage;
java/awt/image/AffineTransformOp
filter(Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/AffineTransformOp getBounds2D(Ljava/awt/image/BufferedImage;)Ljava/awt/geom/Rectangle2D;
java/awt/image/AffineTransformOp getBounds2D(Ljava/awt/image/Raster;)Ljava/awt/geom/Rectangle2D;
java/awt/image/AffineTransformOp
createCompatibleDestImage(Ljava/awt/image/BufferedImage;Ljava/awt/image/ColorModel;)Ljava/awt/image/BufferedImage;
java/awt/image/AffineTransformOp
createCompatibleDestRaster(Ljava/awt/image/Raster;)Ljava/awt/image/WritableRaster;
java/awt/image/AffineTransformOp
getPoint2D(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/image/AffineTransformOp getTransform()Ljava/awt/geom/AffineTransform;
java/awt/image/AffineTransformOp getRenderingHints()Ljava/awt/RenderingHints;
java/awt/image/AffineTransformOp validateTransform(Ljava/awt/geom/AffineTransform;)V
class java/awt/image/AreaAveragingScaleFilter java/awt/image/ReplicateScaleFilter
java/awt/image/AreaAveragingScaleFilter rgbmodel
java/awt/image/AreaAveragingScaleFilter neededHints
java/awt/image/AreaAveragingScaleFilter passthrough
java/awt/image/AreaAveragingScaleFilter reds
java/awt/image/AreaAveragingScaleFilter greens
java/awt/image/AreaAveragingScaleFilter blues
java/awt/image/AreaAveragingScaleFilter alphas
java/awt/image/AreaAveragingScaleFilter savedy
java/awt/image/AreaAveragingScaleFilter savedyrem
java/awt/image/AreaAveragingScaleFilter
<init>(II)V
java/awt/image/AreaAveragingScaleFilter setHints(I)V
java/awt/image/AreaAveragingScaleFilter makeAccumBuffers()V
java/awt/image/AreaAveragingScaleFilter calcRow()[I
java/awt/image/AreaAveragingScaleFilter accumPixels(IIIILjava/awt/image/ColorModel;Ljava/lang/Object;II)V
java/awt/image/AreaAveragingScaleFilter setPixels(IIIILjava/awt/image/ColorModel;[BII)V
java/awt/image/AreaAveragingScaleFilter setPixels(IIIILjava/awt/image/ColorModel;[III)V
java/awt/image/AreaAveragingScaleFilter <clinit>()V
class java/awt/image/BandCombineOp java/lang/Object
java/awt/image/BandCombineOp matrix
java/awt/image/BandCombineOp nrows
java/awt/image/BandCombineOp ncols
java/awt/image/BandCombineOp hints
java/awt/image/BandCombineOp <init>([[FLjava/awt/RenderingHints;)V
java/awt/image/BandCombineOp getMatrix()[[F

java/awt/image/BandCombineOp
filter(Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/BandCombineOp getBounds2D(Ljava/awt/image/Raster;)Ljava/awt/geom/Rectangle2D;
java/awt/image/BandCombineOp
createCompatibleDestRaster(Ljava/awt/image/Raster;)Ljava/awt/image/WritableRaster;
java/awt/image/BandCombineOp
getPoint2D(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/image/BandCombineOp getRenderingHints()Ljava/awt/RenderingHints;
class java/awt/image/BandedSampleModel java/awt/image/ComponentSampleModel
java/awt/image/BandedSampleModel <init>(IIII)V
java/awt/image/BandedSampleModel <init>(IIII[I[I)V
java/awt/image/BandedSampleModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/BandedSampleModel createSubsetSampleModel([I)Ljava/awt/image/SampleModel;
java/awt/image/BandedSampleModel createDataBuffer()Ljava/awt/image/DataBuffer;
java/awt/image/BandedSampleModel
getDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)Ljava/lang/Object;
java/awt/image/BandedSampleModel getPixel(II[ILjava/awt/image/DataBuffer;)[I
java/awt/image/BandedSampleModel
getPixels(IIII[ILjava/awt/image/DataBuffer;)[I
java/awt/image/BandedSampleModel getSample(IIILjava/awt/image/DataBuffer;)I
java/awt/image/BandedSampleModel getSampleFloat(IIILjava/awt/image/DataBuffer;)F
java/awt/image/BandedSampleModel getSampleDouble(IIILjava/awt/image/DataBuffer;)D
java/awt/image/BandedSampleModel getSamples(IIIII[ILjava/awt/image/DataBuffer;)[I
java/awt/image/BandedSampleModel setDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)V
java/awt/image/BandedSampleModel setPixel(II[ILjava/awt/image/DataBuffer;)V
java/awt/image/BandedSampleModel setPixels(IIII[ILjava/awt/image/DataBuffer;)V
java/awt/image/BandedSampleModel setSample(IIIILjava/awt/image/DataBuffer;)V
java/awt/image/BandedSampleModel setSample(IIIFLjava/awt/image/DataBuffer;)V
java/awt/image/BandedSampleModel setSample(IIIDLjava/awt/image/DataBuffer;)V
java/awt/image/BandedSampleModel setSamples(IIIII[ILjava/awt/image/DataBuffer;)V
java/awt/image/BandedSampleModel createOffsetArray(I)[I
java/awt/image/BandedSampleModel
createIndicesArray(I)[I
java/awt/image/BandedSampleModel hashCode()I
class java/awt/image/BufferedImageFilter java/awt/image/ImageFilter
java/awt/image/BufferedImageFilter bufferedImageOp
java/awt/image/BufferedImageFilter model
java/awt/image/BufferedImageFilter width
java/awt/image/BufferedImageFilter height
java/awt/image/BufferedImageFilter bytePixels
java/awt/image/BufferedImageFilter intPixels
java/awt/image/BufferedImageFilter <init>(Ljava/awt/image/BufferedImageOp;)V
java/awt/image/BufferedImageFilter getBufferedImageOp()Ljava/awt/image/BufferedImageOp;
java/awt/image/BufferedImageFilter setDimensions(II)V
java/awt/image/BufferedImageFilter setColorModel(Ljava/awt/image/ColorModel;)V
java/awt/image/BufferedImageFilter convertToRGB()V
java/awt/image/BufferedImageFilter setPixels(IIIILjava/awt/image/ColorModel;[BII)V
java/awt/image/BufferedImageFilter setPixels(IIIILjava/awt/image/ColorModel;[III)V

java/awt/image/BufferedImageFilter imageComplete(I)V
java/awt/image/BufferedImageFilter
createDCMraster()Ljava/awt/image/WritableRaster;
class java/awt/image/BufferedImageOp java/lang/Object
java/awt/image/BufferedImageOp
filter(Ljava/awt/image/BufferedImage;Ljava/awt/image/BufferedImage;)Ljava/awt/image/BufferedImage;
java/awt/image/BufferedImageOp getBounds2D(Ljava/awt/image/BufferedImage;)Ljava/awt/geom/Rectangle2D;
java/awt/image/BufferedImageOp
createCompatibleDestImage(Ljava/awt/image/BufferedImage;Ljava/awt/image/ColorModel;)Ljava/awt/image/BufferedImage;
java/awt/image/BufferedImageOp
getPoint2D(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/image/BufferedImageOp getRenderingHints()Ljava/awt/RenderingHints;
class java/awt/image/ByteLookupTable java/awt/image/LookupTable
java/awt/image/ByteLookupTable data
java/awt/image/ByteLookupTable <init>(I[[B)V
java/awt/image/ByteLookupTable <init>(I[B)V
java/awt/image/ByteLookupTable getTable()[[B
java/awt/image/ByteLookupTable lookupPixel([I[I)[I
java/awt/image/ByteLookupTable
lookupPixel([B[B)[B
class java/awt/image/ColorConvertOp java/lang/Object
java/awt/image/ColorConvertOp profileList
java/awt/image/ColorConvertOp CSList
java/awt/image/ColorConvertOp thisTransform
java/awt/image/ColorConvertOp thisRasterTransform
java/awt/image/ColorConvertOp thisSrcProfile
java/awt/image/ColorConvertOp thisDestProfile
java/awt/image/ColorConvertOp hints
java/awt/image/ColorConvertOp gotProfiles
java/awt/image/ColorConvertOp srcMinVals
java/awt/image/ColorConvertOp srcMaxVals
java/awt/image/ColorConvertOp dstMinVals
java/awt/image/ColorConvertOp dstMaxVals
java/awt/image/ColorConvertOp <init>(Ljava/awt/RenderingHints;)V
java/awt/image/ColorConvertOp <init>(Ljava/awt/color/ColorSpace;Ljava/awt/RenderingHints;)V
java/awt/image/ColorConvertOp
<init>(Ljava/awt/color/ColorSpace;Ljava/awt/color/ColorSpace;Ljava/awt/RenderingHints;)V
java/awt/image/ColorConvertOp <init>([Ljava/awt/color/ICC_Profile;Ljava/awt/RenderingHints;)V
java/awt/image/ColorConvertOp getICC_Profiles()[Ljava/awt/color/ICC_Profile;
java/awt/image/ColorConvertOp
filter(Ljava/awt/image/BufferedImage;Ljava/awt/image/BufferedImage;)Ljava/awt/image/BufferedImage;
java/awt/image/ColorConvertOp
ICCBIFilter(Ljava/awt/image/BufferedImage;Ljava/awt/color/ColorSpace;Ljava/awt/image/BufferedImage;Ljava/awt/color/ColorSpace;)Ljava/awt/image/BufferedImage;
java/awt/image/ColorConvertOp updateBITransform(Ljava/awt/color/ICC_Profile;Ljava/awt/color/ICC_Profile;)V
java/awt/image/ColorConvertOp
filter(Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;

java/awt/image/ColorConvertOp getBounds2D(Ljava/awt/image/BufferedImage;)Ljava/awt/geom/Rectangle2D;
java/awt/image/ColorConvertOp getBounds2D(Ljava/awt/image/Raster;)Ljava/awt/geom/Rectangle2D;
java/awt/image/ColorConvertOp
createCompatibleDestImage(Ljava/awt/image/BufferedImage;Ljava/awt/image/ColorModel;)Ljava/awt/image/Buff
eredImage;
java/awt/image/ColorConvertOp
createCompatibleDestImage(Ljava/awt/image/BufferedImage;Ljava/awt/image/ColorModel;Ljava/awt/color/ColorS
pace;)Ljava/awt/image/BufferedImage;
java/awt/image/ColorConvertOp
createCompatibleDestRaster(Ljava/awt/image/Raster;)Ljava/awt/image/WritableRaster;
java/awt/image/ColorConvertOp
getPoint2D(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/image/ColorConvertOp getRenderingIntent(Ljava/awt/color/ICC_Profile;)I
java/awt/image/ColorConvertOp getRenderingHints()Ljava/awt/RenderingHints;
java/awt/image/ColorConvertOp
nonICCBIFilter(Ljava/awt/image/BufferedImage;Ljava/awt/color/ColorSpace;Ljava/awt/image/BufferedImage;Ljav
a/awt/color/ColorSpace;)Ljava/awt/image/BufferedImage;
java/awt/image/ColorConvertOp
nonICCRasterFilter(Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/ColorConvertOp
getMinMaxValsFromProfiles(Ljava/awt/color/ICC_Profile;Ljava/awt/color/ICC_Profile;)V
java/awt/image/ColorConvertOp setMinMax(II[F[F)V
java/awt/image/ColorConvertOp
getMinMaxValsFromColorSpaces(Ljava/awt/color/ColorSpace;Ljava/awt/color/ColorSpace;)V
java/awt/image/ColorConvertOp <clinit>()V
class java/awt/image/ComponentColorModel java/awt/image/ColorModel
java/awt/image/ComponentColorModel signed
java/awt/image/ComponentColorModel is_sRGB_stdScale
java/awt/image/ComponentColorModel is_LinearRGB_stdScale
java/awt/image/ComponentColorModel is_LinearGray_stdScale
java/awt/image/ComponentColorModel is_ICCGray_stdScale
java/awt/image/ComponentColorModel tosRGB8LUT
java/awt/image/ComponentColorModel fromsRGB8LUT8
java/awt/image/ComponentColorModel fromsRGB8LUT16
java/awt/image/ComponentColorModel fromLinearGray16ToOtherGray8LUT
java/awt/image/ComponentColorModel fromLinearGray16ToOtherGray16LUT
java/awt/image/ComponentColorModel needScaleInit
java/awt/image/ComponentColorModel noUnnorm
java/awt/image/ComponentColorModel nonStdScale
java/awt/image/ComponentColorModel min
java/awt/image/ComponentColorModel diffMinMax
java/awt/image/ComponentColorModel
compOffset
java/awt/image/ComponentColorModel compScale
java/awt/image/ComponentColorModel <init>(Ljava/awt/color/ColorSpace;[IZZII)V
java/awt/image/ComponentColorModel <init>(Ljava/awt/color/ColorSpace;ZZII)V
java/awt/image/ComponentColorModel bitsHelper(ILjava/awt/color/ColorSpace;Z)I
java/awt/image/ComponentColorModel bitsArrayHelper([IILjava/awt/color/ColorSpace;Z)[I

java/awt/image/ComponentColorModel setupLUTs()V
java/awt/image/ComponentColorModel initScale()V
java/awt/image/ComponentColorModel getRGBComponent(II)I
java/awt/image/ComponentColorModel getRed(I)I
java/awt/image/ComponentColorModel getGreen(I)I
java/awt/image/ComponentColorModel getBlue(I)I
java/awt/image/ComponentColorModel getAlpha(I)I
java/awt/image/ComponentColorModel getRGB(I)I
java/awt/image/ComponentColorModel extractComponent(Ljava/lang/Object;II)I
java/awt/image/ComponentColorModel getRGBComponent(Ljava/lang/Object;I)I
java/awt/image/ComponentColorModel getRed(Ljava/lang/Object;)I
java/awt/image/ComponentColorModel
getGreen(Ljava/lang/Object;)I
java/awt/image/ComponentColorModel getBlue(Ljava/lang/Object;)I
java/awt/image/ComponentColorModel getAlpha(Ljava/lang/Object;)I
java/awt/image/ComponentColorModel getRGB(Ljava/lang/Object;)I
java/awt/image/ComponentColorModel getDataElements(ILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/ComponentColorModel getComponents(I[II)[I
java/awt/image/ComponentColorModel getComponents(Ljava/lang/Object;[II)[I
java/awt/image/ComponentColorModel getUnnormalizedComponents([FI[II)[I
java/awt/image/ComponentColorModel getNormalizedComponents([II[FI)[F
java/awt/image/ComponentColorModel getDataElement([II)I
java/awt/image/ComponentColorModel getDataElements([IILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/ComponentColorModel getDataElement([FI)I
java/awt/image/ComponentColorModel getDataElements([FILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/ComponentColorModel getNormalizedComponents(Ljava/lang/Object;[FI)[F
java/awt/image/ComponentColorModel
coerceData(Ljava/awt/image/WritableRaster;Z)Ljava/awt/image/ColorModel;
java/awt/image/ComponentColorModel isCompatibleRaster(Ljava/awt/image/Raster;)Z
java/awt/image/ComponentColorModel createCompatibleWritableRaster(II)Ljava/awt/image/WritableRaster;
java/awt/image/ComponentColorModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/ComponentColorModel isCompatibleSampleModel(Ljava/awt/image/SampleModel;)Z
java/awt/image/ComponentColorModel
getAlphaRaster(Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/ComponentColorModel equals(Ljava/lang/Object;)Z
class java/awt/image/ConvolveOp java/lang/Object
java/awt/image/ConvolveOp kernel
java/awt/image/ConvolveOp edgeHint
java/awt/image/ConvolveOp hints
java/awt/image/ConvolveOp EDGE_ZERO_FILL
java/awt/image/ConvolveOp EDGE_NO_OP
java/awt/image/ConvolveOp <init>(Ljava/awt/image/Kernel;ILjava/awt/RenderingHints;)V
java/awt/image/ConvolveOp <init>(Ljava/awt/image/Kernel;)V
java/awt/image/ConvolveOp
getEdgeCondition()I
java/awt/image/ConvolveOp getKernel()Ljava/awt/image/Kernel;
java/awt/image/ConvolveOp
filter(Ljava/awt/image/BufferedImage;Ljava/awt/image/BufferedImage;)Ljava/awt/image/BufferedImage;

java/awt/image/ConvolveOp
filter(Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/ConvolveOp
createCompatibleDestImage(Ljava/awt/image/BufferedImage;Ljava/awt/image/ColorModel;)Ljava/awt/image/Buff
eredImage;
java/awt/image/ConvolveOp
createCompatibleDestRaster(Ljava/awt/image/Raster;)Ljava/awt/image/WritableRaster;
java/awt/image/ConvolveOp getBounds2D(Ljava/awt/image/BufferedImage;)Ljava/awt/geom/Rectangle2D;
java/awt/image/ConvolveOp getBounds2D(Ljava/awt/image/Raster;)Ljava/awt/geom/Rectangle2D;
java/awt/image/ConvolveOp
getPoint2D(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/image/ConvolveOp getRenderingHints()Ljava/awt/RenderingHints;
class java/awt/image/CropImageFilter
java/awt/image/ImageFilter
java/awt/image/CropImageFilter cropX
java/awt/image/CropImageFilter cropY
java/awt/image/CropImageFilter cropW
java/awt/image/CropImageFilter cropH
java/awt/image/CropImageFilter <init>(IIII)V
java/awt/image/CropImageFilter setProperties(Ljava/util/Hashtable;)V
java/awt/image/CropImageFilter setDimensions(II)V
java/awt/image/CropImageFilter setPixels(IIIILjava/awt/image/ColorModel;[BII)V
java/awt/image/CropImageFilter setPixels(IIIILjava/awt/image/ColorModel;[III)V
java/awt/image/CropImageFilter addWithoutOverflow(II)I
class java/awt/image/DataBufferDouble java/awt/image/DataBuffer
java/awt/image/DataBufferDouble bankdata
java/awt/image/DataBufferDouble data
java/awt/image/DataBufferDouble <init>(I)V
java/awt/image/DataBufferDouble <init>(II)V
java/awt/image/DataBufferDouble <init>([DI)V
java/awt/image/DataBufferDouble <init>([DII)V
java/awt/image/DataBufferDouble <init>([[DI)V
java/awt/image/DataBufferDouble <init>([[DI[I)V
java/awt/image/DataBufferDouble
getData()[D
java/awt/image/DataBufferDouble getData(I)[D
java/awt/image/DataBufferDouble getBankData()[[D
java/awt/image/DataBufferDouble getElem(I)I
java/awt/image/DataBufferDouble getElem(II)I
java/awt/image/DataBufferDouble setElem(II)V
java/awt/image/DataBufferDouble setElem(III)V
java/awt/image/DataBufferDouble getElemFloat(I)F
java/awt/image/DataBufferDouble getElemFloat(II)F
java/awt/image/DataBufferDouble setElemFloat(IF)V
java/awt/image/DataBufferDouble setElemFloat(IIF)V
java/awt/image/DataBufferDouble getElemDouble(I)D
java/awt/image/DataBufferDouble getElemDouble(II)D
java/awt/image/DataBufferDouble setElemDouble(ID)V

java/awt/image/DataBufferDouble setElemDouble(IID)V
class java/awt/image/DataBufferFloat java/awt/image/DataBuffer
java/awt/image/DataBufferFloat bankdata
java/awt/image/DataBufferFloat data
java/awt/image/DataBufferFloat <init>(I)V
java/awt/image/DataBufferFloat <init>(II)V
java/awt/image/DataBufferFloat <init>([FI)V
java/awt/image/DataBufferFloat <init>([FII)V
java/awt/image/DataBufferFloat
 <init>([[FI)V
java/awt/image/DataBufferFloat <init>([[FI[I)V
java/awt/image/DataBufferFloat getData()[F
java/awt/image/DataBufferFloat getData(I)[F
java/awt/image/DataBufferFloat getBankData()[[F
java/awt/image/DataBufferFloat getElem(I)I
java/awt/image/DataBufferFloat getElem(II)I
java/awt/image/DataBufferFloat setElem(II)V
java/awt/image/DataBufferFloat setElem(III)V
java/awt/image/DataBufferFloat getElemFloat(I)F
java/awt/image/DataBufferFloat getElemFloat(II)F
java/awt/image/DataBufferFloat setElemFloat(IF)V
java/awt/image/DataBufferFloat setElemFloat(IIF)V
java/awt/image/DataBufferFloat getElemDouble(I)D
java/awt/image/DataBufferFloat getElemDouble(II)D
java/awt/image/DataBufferFloat setElemDouble(ID)V
java/awt/image/DataBufferFloat setElemDouble(IID)V
class java/awt/image/DataBufferShort java/awt/image/DataBuffer
java/awt/image/DataBufferShort data
java/awt/image/DataBufferShort bankdata
java/awt/image/DataBufferShort <init>(I)V
java/awt/image/DataBufferShort
 <init>(II)V
java/awt/image/DataBufferShort <init>([SI)V
java/awt/image/DataBufferShort <init>([SII)V
java/awt/image/DataBufferShort <init>([[SI)V
java/awt/image/DataBufferShort <init>([[SI[I)V
java/awt/image/DataBufferShort getData()[S
java/awt/image/DataBufferShort getData(I)[S
java/awt/image/DataBufferShort getBankData()[[S
java/awt/image/DataBufferShort getElem(I)I
java/awt/image/DataBufferShort getElem(II)I
java/awt/image/DataBufferShort setElem(II)V
java/awt/image/DataBufferShort setElem(III)V
class java/awt/image/DataBufferUShort java/awt/image/DataBuffer
java/awt/image/DataBufferUShort data
java/awt/image/DataBufferUShort bankdata
java/awt/image/DataBufferUShort <init>(I)V
java/awt/image/DataBufferUShort <init>(II)V

java/awt/image/DataBufferUShort <init>([SI)V
java/awt/image/DataBufferUShort <init>([SII)V
java/awt/image/DataBufferUShort <init>([[SI)V
java/awt/image/DataBufferUShort <init>([[SI[I)V
java/awt/image/DataBufferUShort getData()[S
java/awt/image/DataBufferUShort
getData(I)[S
java/awt/image/DataBufferUShort getBankData()[[S
java/awt/image/DataBufferUShort getElem(I)I
java/awt/image/DataBufferUShort getElem(II)I
java/awt/image/DataBufferUShort setElem(II)V
java/awt/image/DataBufferUShort setElem(III)V
class java/awt/image/ImagingOpException java/lang/RuntimeException
java/awt/image/ImagingOpException <init>(Ljava/lang/String;)V
class java/awt/image/Kernel java/lang/Object
java/awt/image/Kernel width
java/awt/image/Kernel height
java/awt/image/Kernel xOrigin
java/awt/image/Kernel yOrigin
java/awt/image/Kernel data
java/awt/image/Kernel initIDs()V
java/awt/image/Kernel <init>(II[F)V
java/awt/image/Kernel getXOrigin()I
java/awt/image/Kernel getYOrigin()I
java/awt/image/Kernel getWidth()I
java/awt/image/Kernel getHeight()I
java/awt/image/Kernel getKernelData([F)[F
java/awt/image/Kernel clone()Ljava/lang/Object;
java/awt/image/Kernel <clinit>()V
class java/awt/image/LookupOp java/lang/Object
java/awt/image/LookupOp ltable
java/awt/image/LookupOp
numComponents
java/awt/image/LookupOp hints
java/awt/image/LookupOp <init>(Ljava/awt/image/LookupTable;Ljava/awt/RenderingHints;)V
java/awt/image/LookupOp getTable()Ljava/awt/image/LookupTable;
java/awt/image/LookupOp
filter(Ljava/awt/image/BufferedImage;Ljava/awt/image/BufferedImage;)Ljava/awt/image/BufferedImage;
java/awt/image/LookupOp
filter(Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/LookupOp getBounds2D(Ljava/awt/image/BufferedImage;)Ljava/awt/geom/Rectangle2D;
java/awt/image/LookupOp getBounds2D(Ljava/awt/image/Raster;)Ljava/awt/geom/Rectangle2D;
java/awt/image/LookupOp
createCompatibleDestImage(Ljava/awt/image/BufferedImage;Ljava/awt/image/ColorModel;)Ljava/awt/image/Buff
eredImage;
java/awt/image/LookupOp createCompatibleDestRaster(Ljava/awt/image/Raster;)Ljava/awt/image/WritableRaster;
java/awt/image/LookupOp
getPoint2D(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;

java/awt/image/LookupOp getRenderingHints()Ljava/awt/RenderingHints;
java/awt/image/LookupOp
byteFilter(Ljava/awt/image/ByteLookupTable;Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;III)V
java/awt/image/LookupOp
shortFilter(Ljava/awt/image/ShortLookupTable;Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;III)V
class java/awt/image/LookupTable java/lang/Object
java/awt/image/LookupTable numComponents
java/awt/image/LookupTable offset
java/awt/image/LookupTable numEntries
java/awt/image/LookupTable <init>(II)V
java/awt/image/LookupTable getNumComponents()I
java/awt/image/LookupTable getOffset()I
java/awt/image/LookupTable lookupPixel([I[I)[I
class java/awt/image/MemoryImageSource java/lang/Object
java/awt/image/MemoryImageSource width
java/awt/image/MemoryImageSource height
java/awt/image/MemoryImageSource model
java/awt/image/MemoryImageSource pixels
java/awt/image/MemoryImageSource pixeloffset
java/awt/image/MemoryImageSource pixelscan
java/awt/image/MemoryImageSource properties
java/awt/image/MemoryImageSource
theConsumers
java/awt/image/MemoryImageSource animating
java/awt/image/MemoryImageSource fullbuffers
java/awt/image/MemoryImageSource <init>(IILjava/awt/image/ColorModel;[BII)V
java/awt/image/MemoryImageSource <init>(IILjava/awt/image/ColorModel;[BIILjava/util/Hashtable;)V
java/awt/image/MemoryImageSource <init>(IILjava/awt/image/ColorModel;[III)V
java/awt/image/MemoryImageSource <init>(IILjava/awt/image/ColorModel;[IIILjava/util/Hashtable;)V
java/awt/image/MemoryImageSource
initialize(IILjava/awt/image/ColorModel;Ljava/lang/Object;IILjava/util/Hashtable;)V
java/awt/image/MemoryImageSource <init>(II[III)V
java/awt/image/MemoryImageSource <init>(II[IIILjava/util/Hashtable;)V
java/awt/image/MemoryImageSource addConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/MemoryImageSource isConsumer(Ljava/awt/image/ImageConsumer;)Z
java/awt/image/MemoryImageSource removeConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/MemoryImageSource startProduction(Ljava/awt/image/ImageConsumer;)V
java/awt/image/MemoryImageSource
requestTopDownLeftRightResend(Ljava/awt/image/ImageConsumer;)V
java/awt/image/MemoryImageSource setAnimated(Z)V
java/awt/image/MemoryImageSource setFullBufferUpdates(Z)V
java/awt/image/MemoryImageSource newPixels()V
java/awt/image/MemoryImageSource newPixels(IIII)V
java/awt/image/MemoryImageSource newPixels(IIIIZ)V
java/awt/image/MemoryImageSource newPixels([BLjava/awt/image/ColorModel;II)V
java/awt/image/MemoryImageSource newPixels([ILjava/awt/image/ColorModel;II)V
java/awt/image/MemoryImageSource initConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/MemoryImageSource sendPixels(Ljava/awt/image/ImageConsumer;IIII)V

class java/awt/image/MultiPixelPackedSampleModel java/awt/image/SampleModel
java/awt/image/MultiPixelPackedSampleModel pixelBitStride
java/awt/image/MultiPixelPackedSampleModel bitMask
java/awt/image/MultiPixelPackedSampleModel pixelsPerDataElement
java/awt/image/MultiPixelPackedSampleModel dataElementSize
java/awt/image/MultiPixelPackedSampleModel
dataBitOffset
java/awt/image/MultiPixelPackedSampleModel scanlineStride
java/awt/image/MultiPixelPackedSampleModel <init>(IIII)V
java/awt/image/MultiPixelPackedSampleModel <init>(IIIIII)V
java/awt/image/MultiPixelPackedSampleModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/MultiPixelPackedSampleModel createDataBuffer()Ljava/awt/image/DataBuffer;
java/awt/image/MultiPixelPackedSampleModel getNumDataElements()I
java/awt/image/MultiPixelPackedSampleModel getSampleSize()[I
java/awt/image/MultiPixelPackedSampleModel getSampleSize(I)I
java/awt/image/MultiPixelPackedSampleModel getOffset(II)I
java/awt/image/MultiPixelPackedSampleModel getBitOffset(I)I
java/awt/image/MultiPixelPackedSampleModel getScanlineStride()I
java/awt/image/MultiPixelPackedSampleModel getPixelBitStride()I
java/awt/image/MultiPixelPackedSampleModel getDataBitOffset()I
java/awt/image/MultiPixelPackedSampleModel getTransferType()I
java/awt/image/MultiPixelPackedSampleModel
createSubsetSampleModel([I)Ljava/awt/image/SampleModel;
java/awt/image/MultiPixelPackedSampleModel getSample(IIILjava/awt/image/DataBuffer;)I
java/awt/image/MultiPixelPackedSampleModel setSample(IIIILjava/awt/image/DataBuffer;)V
java/awt/image/MultiPixelPackedSampleModel
getDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)Ljava/lang/Object;
java/awt/image/MultiPixelPackedSampleModel getPixel(II[ILjava/awt/image/DataBuffer;)[I
java/awt/image/MultiPixelPackedSampleModel
setDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)V
java/awt/image/MultiPixelPackedSampleModel setPixel(II[ILjava/awt/image/DataBuffer;)V
java/awt/image/MultiPixelPackedSampleModel equals(Ljava/lang/Object;)Z
java/awt/image/MultiPixelPackedSampleModel hashCode()I
class java/awt/image/PixelGrabber java/lang/Object
java/awt/image/PixelGrabber producer
java/awt/image/PixelGrabber dstX
java/awt/image/PixelGrabber dstY
java/awt/image/PixelGrabber dstW
java/awt/image/PixelGrabber dstH
java/awt/image/PixelGrabber
imageModel
java/awt/image/PixelGrabber bytePixels
java/awt/image/PixelGrabber intPixels
java/awt/image/PixelGrabber dstOff
java/awt/image/PixelGrabber dstScan
java/awt/image/PixelGrabber grabbing
java/awt/image/PixelGrabber flags
java/awt/image/PixelGrabber GRABBEDBITS

java/awt/image/PixelGrabber DONEBITS
java/awt/image/PixelGrabber <init>(Ljava/awt/Image;IIII[III)V
java/awt/image/PixelGrabber <init>(Ljava/awt/image/ImageProducer;IIII[III)V
java/awt/image/PixelGrabber <init>(Ljava/awt/Image;IIIIZ)V
java/awt/image/PixelGrabber startGrabbing()V
java/awt/image/PixelGrabber abortGrabbing()V
java/awt/image/PixelGrabber grabPixels()Z
java/awt/image/PixelGrabber grabPixels(J)Z
java/awt/image/PixelGrabber getStatus()I
java/awt/image/PixelGrabber getWidth()I
java/awt/image/PixelGrabber getHeight()I
java/awt/image/PixelGrabber getPixels()Ljava/lang/Object;
java/awt/image/PixelGrabber getColorModel()Ljava/awt/image/ColorModel;
java/awt/image/PixelGrabber setDimensions(II)V
java/awt/image/PixelGrabber
setHints(I)V
java/awt/image/PixelGrabber setProperties(Ljava/util/Hashtable;)V
java/awt/image/PixelGrabber setColorModel(Ljava/awt/image/ColorModel;)V
java/awt/image/PixelGrabber convertToRGB()V
java/awt/image/PixelGrabber setPixels(IIIILjava/awt/image/ColorModel;[BII)V
java/awt/image/PixelGrabber setPixels(IIIILjava/awt/image/ColorModel;[III)V
java/awt/image/PixelGrabber imageComplete(I)V
java/awt/image/PixelGrabber status()I
class java/awt/image/RasterFormatException java/lang/RuntimeException
java/awt/image/RasterFormatException <init>(Ljava/lang/String;)V
class java/awt/image/RasterOp java/lang/Object
java/awt/image/RasterOp
filter(Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/RasterOp getBounds2D(Ljava/awt/image/Raster;)Ljava/awt/geom/Rectangle2D;
java/awt/image/RasterOp createCompatibleDestRaster(Ljava/awt/image/Raster;)Ljava/awt/image/WritableRaster;
java/awt/image/RasterOp
getPoint2D(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/image/RasterOp
getRenderingHints()Ljava/awt/RenderingHints;
class java/awt/image/ReplicateScaleFilter java/awt/image/ImageFilter
java/awt/image/ReplicateScaleFilter srcWidth
java/awt/image/ReplicateScaleFilter srcHeight
java/awt/image/ReplicateScaleFilter destWidth
java/awt/image/ReplicateScaleFilter destHeight
java/awt/image/ReplicateScaleFilter srcrows
java/awt/image/ReplicateScaleFilter srccols
java/awt/image/ReplicateScaleFilter outpixbuf
java/awt/image/ReplicateScaleFilter <init>(II)V
java/awt/image/ReplicateScaleFilter setProperties(Ljava/util/Hashtable;)V
java/awt/image/ReplicateScaleFilter setDimensions(II)V
java/awt/image/ReplicateScaleFilter calculateMaps()V
java/awt/image/ReplicateScaleFilter setPixels(IIIILjava/awt/image/ColorModel;[BII)V
java/awt/image/ReplicateScaleFilter setPixels(IIIILjava/awt/image/ColorModel;[III)V

class java/awt/image/RescaleOp java/lang/Object
java/awt/image/RescaleOp scaleFactors
java/awt/image/RescaleOp
offsets
java/awt/image/RescaleOp length
java/awt/image/RescaleOp hints
java/awt/image/RescaleOp srcNbits
java/awt/image/RescaleOp dstNbits
java/awt/image/RescaleOp <init>([F[FLjava/awt/RenderingHints;)V
java/awt/image/RescaleOp <init>(FFLjava/awt/RenderingHints;)V
java/awt/image/RescaleOp getScaleFactors([F)[F
java/awt/image/RescaleOp getOffsets([F)[F
java/awt/image/RescaleOp getNumFactors()I
java/awt/image/RescaleOp createByteLut([F[FII)Ljava/awt/image/ByteLookupTable;
java/awt/image/RescaleOp createShortLut([F[FII)Ljava/awt/image/ShortLookupTable;
java/awt/image/RescaleOp canUseLookup(Ljava/awt/image/Raster;Ljava/awt/image/Raster;)Z
java/awt/image/RescaleOp
filter(Ljava/awt/image/BufferedImage;Ljava/awt/image/BufferedImage;)Ljava/awt/image/BufferedImage;
java/awt/image/RescaleOp
filter(Ljava/awt/image/Raster;Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/RescaleOp getBounds2D(Ljava/awt/image/BufferedImage;)Ljava/awt/geom/Rectangle2D;
java/awt/image/RescaleOp
getBounds2D(Ljava/awt/image/Raster;)Ljava/awt/geom/Rectangle2D;
java/awt/image/RescaleOp
createCompatibleDestImage(Ljava/awt/image/BufferedImage;Ljava/awt/image/ColorModel;)Ljava/awt/image/BufferedImage;
java/awt/image/RescaleOp createCompatibleDestRaster(Ljava/awt/image/Raster;)Ljava/awt/image/WritableRaster;
java/awt/image/RescaleOp
getPoint2D(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/image/RescaleOp getRenderingHints()Ljava/awt/RenderingHints;
class java/awt/image/ShortLookupTable java/awt/image/LookupTable
java/awt/image/ShortLookupTable data
java/awt/image/ShortLookupTable <init>(I[[S)V
java/awt/image/ShortLookupTable <init>(I[S)V
java/awt/image/ShortLookupTable getTable()[[S
java/awt/image/ShortLookupTable lookupPixel([I[I)[I
java/awt/image/ShortLookupTable lookupPixel([S[S)[S
class java/awt/image/TileObserver java/lang/Object
java/awt/image/TileObserver tileUpdate(Ljava/awt/image/WritableRenderedImage;IIZ)V
class
java/awt/image/renderable/ContextualRenderedImageFactory java/lang/Object
java/awt/image/renderable/ContextualRenderedImageFactory
mapRenderContext(ILjava/awt/image/renderable/RenderContext;Ljava/awt/image/renderable/ParameterBlock;Ljava/awt/image/renderable/RenderableImage;)Ljava/awt/image/renderable/RenderContext;
java/awt/image/renderable/ContextualRenderedImageFactory
create(Ljava/awt/image/renderable/RenderContext;Ljava/awt/image/renderable/ParameterBlock;)Ljava/awt/image/RenderedImage;
java/awt/image/renderable/ContextualRenderedImageFactory

getBounds2D(Ljava/awt/image/renderable/ParameterBlock;)Ljava/awt/geom/Rectangle2D;
java/awt/image/renderable/ContextualRenderedImageFactory
getProperty(Ljava/awt/image/renderable/ParameterBlock;Ljava/lang/String;)Ljava/lang/Object;
java/awt/image/renderable/ContextualRenderedImageFactory getPropertyNames()[Ljava/lang/String;
java/awt/image/renderable/ContextualRenderedImageFactory isDynamic()Z
class java/awt/image/renderable/ParameterBlock
 java/lang/Object
java/awt/image/renderable/ParameterBlock sources
java/awt/image/renderable/ParameterBlock parameters
java/awt/image/renderable/ParameterBlock <init>()V
java/awt/image/renderable/ParameterBlock <init>(Ljava/util/Vector;)V
java/awt/image/renderable/ParameterBlock <init>(Ljava/util/Vector;Ljava/util/Vector;)V
java/awt/image/renderable/ParameterBlock shallowClone()Ljava/lang/Object;
java/awt/image/renderable/ParameterBlock clone()Ljava/lang/Object;
java/awt/image/renderable/ParameterBlock
addSource(Ljava/lang/Object;)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock getSource(I)Ljava/lang/Object;
java/awt/image/renderable/ParameterBlock
setSource(Ljava/lang/Object;I)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock getRenderedSource(I)Ljava/awt/image/RenderedImage;
java/awt/image/renderable/ParameterBlock getRenderableSource(I)Ljava/awt/image/renderable/RenderableImage;
java/awt/image/renderable/ParameterBlock
 getNumSources()I
java/awt/image/renderable/ParameterBlock getSources()Ljava/util/Vector;
java/awt/image/renderable/ParameterBlock setSources(Ljava/util/Vector;)V
java/awt/image/renderable/ParameterBlock removeSources()V
java/awt/image/renderable/ParameterBlock getNumParameters()I
java/awt/image/renderable/ParameterBlock getParameters()Ljava/util/Vector;
java/awt/image/renderable/ParameterBlock setParameters(Ljava/util/Vector;)V
java/awt/image/renderable/ParameterBlock removeParameters()V
java/awt/image/renderable/ParameterBlock add(Ljava/lang/Object;)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock add(B)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock add(C)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock add(S)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock add(I)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock
 add(J)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock add(F)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock add(D)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock set(Ljava/lang/Object;I)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock set(BI)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock set(CI)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock set(SI)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock set(II)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock set(JI)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock set(FI)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock set(DI)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/ParameterBlock

getObjectParameter(I)Ljava/lang/Object;
java/awt/image/renderable/ParameterBlock getByteParameter(I)B
java/awt/image/renderable/ParameterBlock getCharParameter(I)C
java/awt/image/renderable/ParameterBlock getShortParameter(I)S
java/awt/image/renderable/ParameterBlock getIntParameter(I)I
java/awt/image/renderable/ParameterBlock getLongParameter(I)J
java/awt/image/renderable/ParameterBlock getFloatParameter(I)F
java/awt/image/renderable/ParameterBlock getDoubleParameter(I)D
java/awt/image/renderable/ParameterBlock getParamClasses()[Ljava/lang/Class;
class java/awt/image/renderable/RenderContext java/lang/Object
java/awt/image/renderable/RenderContext hints
java/awt/image/renderable/RenderContext usr2dev
java/awt/image/renderable/RenderContext aoi
java/awt/image/renderable/RenderContext
<init>(Ljava/awt/geom/AffineTransform;Ljava/awt/Shape;Ljava/awt/RenderingHints;)V
java/awt/image/renderable/RenderContext <init>(Ljava/awt/geom/AffineTransform;)V
java/awt/image/renderable/RenderContext
<init>(Ljava/awt/geom/AffineTransform;Ljava/awt/RenderingHints;)V
java/awt/image/renderable/RenderContext <init>(Ljava/awt/geom/AffineTransform;Ljava/awt/Shape;)V
java/awt/image/renderable/RenderContext getRenderingHints()Ljava/awt/RenderingHints;
java/awt/image/renderable/RenderContext setRenderingHints(Ljava/awt/RenderingHints;)V
java/awt/image/renderable/RenderContext setTransform(Ljava/awt/geom/AffineTransform;)V
java/awt/image/renderable/RenderContext preConcatenateTransform(Ljava/awt/geom/AffineTransform;)V
java/awt/image/renderable/RenderContext preConcetenateTransform(Ljava/awt/geom/AffineTransform;)V
java/awt/image/renderable/RenderContext concatenateTransform(Ljava/awt/geom/AffineTransform;)V
java/awt/image/renderable/RenderContext concetenateTransform(Ljava/awt/geom/AffineTransform;)V
java/awt/image/renderable/RenderContext getTransform()Ljava/awt/geom/AffineTransform;
java/awt/image/renderable/RenderContext setAreaOfInterest(Ljava/awt/Shape;)V
java/awt/image/renderable/RenderContext
getAreaOfInterest()Ljava/awt/Shape;
java/awt/image/renderable/RenderContext clone()Ljava/lang/Object;
class java/awt/image/renderable/RenderableImage java/lang/Object
java/awt/image/renderable/RenderableImage HINTS_OBSERVED
java/awt/image/renderable/RenderableImage getSources()Ljava/util/Vector;
java/awt/image/renderable/RenderableImage getProperty(Ljava/lang/String;)Ljava/lang/Object;
java/awt/image/renderable/RenderableImage getPropertyNames()[Ljava/lang/String;
java/awt/image/renderable/RenderableImage isDynamic()Z
java/awt/image/renderable/RenderableImage getWidth()F
java/awt/image/renderable/RenderableImage getHeight()F
java/awt/image/renderable/RenderableImage getMinX()F
java/awt/image/renderable/RenderableImage getMinY()F
java/awt/image/renderable/RenderableImage
createScaledRendering(IILjava/awt/RenderingHints;)Ljava/awt/image/RenderedImage;
java/awt/image/renderable/RenderableImage createDefaultRendering()Ljava/awt/image/RenderedImage;
java/awt/image/renderable/RenderableImage
createRendering(Ljava/awt/image/renderable/RenderContext;)Ljava/awt/image/RenderedImage;
class java/awt/image/renderable/RenderableImageOp java/lang/Object
java/awt/image/renderable/RenderableImageOp paramBlock

java/awt/image/renderable/RenderableImageOp myCRIF
java/awt/image/renderable/RenderableImageOp boundingBox
java/awt/image/renderable/RenderableImageOp
<init>(Ljava/awt/image/renderable/ContextualRenderedImageFactory;Ljava/awt/image/renderable/ParameterBlock;
)V
java/awt/image/renderable/RenderableImageOp getSources()Ljava/util/Vector;
java/awt/image/renderable/RenderableImageOp getRenderableSources()Ljava/util/Vector;
java/awt/image/renderable/RenderableImageOp getProperty(Ljava/lang/String;)Ljava/lang/Object;
java/awt/image/renderable/RenderableImageOp getPropertyNames()[Ljava/lang/String;
java/awt/image/renderable/RenderableImageOp isDynamic()Z
java/awt/image/renderable/RenderableImageOp getWidth()F
java/awt/image/renderable/RenderableImageOp getHeight()F
java/awt/image/renderable/RenderableImageOp
getMinX()F
java/awt/image/renderable/RenderableImageOp getMinY()F
java/awt/image/renderable/RenderableImageOp
setParameterBlock(Ljava/awt/image/renderable/ParameterBlock;)Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/RenderableImageOp getParameterBlock()Ljava/awt/image/renderable/ParameterBlock;
java/awt/image/renderable/RenderableImageOp
createScaledRendering(IILjava/awt/RenderingHints;)Ljava/awt/image/RenderedImage;
java/awt/image/renderable/RenderableImageOp createDefaultRendering()Ljava/awt/image/RenderedImage;
java/awt/image/renderable/RenderableImageOp
createRendering(Ljava/awt/image/renderable/RenderContext;)Ljava/awt/image/RenderedImage;
class java/awt/image/renderable/RenderableImageProducer java/lang/Object
java/awt/image/renderable/RenderableImageProducer rdblImage
java/awt/image/renderable/RenderableImageProducer rc
java/awt/image/renderable/RenderableImageProducer ics
java/awt/image/renderable/RenderableImageProducer
<init>(Ljava/awt/image/renderable/RenderableImage;Ljava/awt/image/renderable/RenderContext;)V
java/awt/image/renderable/RenderableImageProducer
setRenderContext(Ljava/awt/image/renderable/RenderContext;)V
java/awt/image/renderable/RenderableImageProducer addConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/renderable/RenderableImageProducer isConsumer(Ljava/awt/image/ImageConsumer;)Z
java/awt/image/renderable/RenderableImageProducer removeConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/renderable/RenderableImageProducer startProduction(Ljava/awt/image/ImageConsumer;)V
java/awt/image/renderable/RenderableImageProducer
requestTopDownLeftRightResend(Ljava/awt/image/ImageConsumer;)V
java/awt/image/renderable/RenderableImageProducer run()V
class java/awt/image/renderable/RenderedImageFactory java/lang/Object
java/awt/image/renderable/RenderedImageFactory
create(Ljava/awt/image/renderable/ParameterBlock;Ljava/awt/RenderingHints;)Ljava/awt/image/RenderedImage;
class
java/awt/peer/ButtonPeer java/lang/Object
java/awt/peer/ButtonPeer setLabel(Ljava/lang/String;)V
class java/awt/peer/CheckboxMenuItemPeer java/lang/Object
java/awt/peer/CheckboxMenuItemPeer setState(Z)V
class java/awt/peer/CheckboxPeer java/lang/Object
java/awt/peer/CheckboxPeer setState(Z)V

java/awt/peer/CheckboxPeer setCheckboxGroup(Ljava/awt/CheckboxGroup;)V
java/awt/peer/CheckboxPeer setLabel(Ljava/lang/String;)V
class java/awt/peer/ChoicePeer java/lang/Object
java/awt/peer/ChoicePeer add(Ljava/lang/String;I)V
java/awt/peer/ChoicePeer remove(I)V
java/awt/peer/ChoicePeer removeAll()V
java/awt/peer/ChoicePeer select(I)V
java/awt/peer/ChoicePeer addItem(Ljava/lang/String;I)V
class java/awt/peer/ListPeer java/lang/Object
java/awt/peer/ListPeer getSelectedIndexes()[I
java/awt/peer/ListPeer add(Ljava/lang/String;I)V
java/awt/peer/ListPeer delItems(II)V
java/awt/peer/ListPeer removeAll()V
java/awt/peer/ListPeer select(I)V
java/awt/peer/ListPeer deselect(I)V
java/awt/peer/ListPeer
makeVisible(I)V
java/awt/peer/ListPeer setMultipleMode(Z)V
java/awt/peer/ListPeer getPreferredSize(I)Ljava/awt/Dimension;
java/awt/peer/ListPeer getMinimumSize(I)Ljava/awt/Dimension;
java/awt/peer/ListPeer addItem(Ljava/lang/String;I)V
java/awt/peer/ListPeer clear()V
java/awt/peer/ListPeer setMultipleSelections(Z)V
java/awt/peer/ListPeer preferredSize(I)Ljava/awt/Dimension;
java/awt/peer/ListPeer minimumSize(I)Ljava/awt/Dimension;
class java/awt/peer/MenuBarPeer java/lang/Object
java/awt/peer/MenuBarPeer addMenu(Ljava/awt/Menu;)V
java/awt/peer/MenuBarPeer delMenu(I)V
java/awt/peer/MenuBarPeer addHelpMenu(Ljava/awt/Menu;)V
class java/awt/peer/MenuItemPeer java/lang/Object
java/awt/peer/MenuItemPeer setLabel(Ljava/lang/String;)V
java/awt/peer/MenuItemPeer setEnabled(Z)V
java/awt/peer/MenuItemPeer enable()V
java/awt/peer/MenuItemPeer disable()V
class java/awt/peer/MenuPeer java/lang/Object
java/awt/peer/MenuPeer addSeparator()V
java/awt/peer/MenuPeer addItem(Ljava/awt/MenuItem;)V
java/awt/peer/MenuPeer
delItem(I)V
class java/awt/peer/MouseInfoPeer java/lang/Object
java/awt/peer/MouseInfoPeer fillPointWithCoords(Ljava/awt/Point;)I
java/awt/peer/MouseInfoPeer isWindowUnderMouse(Ljava/awt/Window;)Z
class java/awt/peer/PopupMenuPeer java/lang/Object
java/awt/peer/PopupMenuPeer show(Ljava/awt/Event;)V
class java/awt/peer/RobotPeer java/lang/Object
java/awt/peer/RobotPeer mouseMove(II)V
java/awt/peer/RobotPeer mousePress(I)V
java/awt/peer/RobotPeer mouseRelease(I)V

java/awt/peer/RobotPeer mouseWheel(I)V
java/awt/peer/RobotPeer keyPress(I)V
java/awt/peer/RobotPeer keyRelease(I)V
java/awt/peer/RobotPeer getRGBPixel(II)I
java/awt/peer/RobotPeer getRGBPixels(Ljava/awt/Rectangle;)[I
class java/awt/peer/ScrollPanePeer java/lang/Object
java/awt/peer/ScrollPanePeer getHScrollbarHeight()I
java/awt/peer/ScrollPanePeer getVScrollbarWidth()I
java/awt/peer/ScrollPanePeer setScrollPosition(II)V
java/awt/peer/ScrollPanePeer childResized(II)V
java/awt/peer/ScrollPanePeer setUnitIncrement(Ljava/awt/Adjustable;I)V
java/awt/peer/ScrollPanePeer
setValue(Ljava/awt/Adjustable;I)V
class java/awt/peer/ScrollbarPeer java/lang/Object
java/awt/peer/ScrollbarPeer setValues(IIII)V
java/awt/peer/ScrollbarPeer setLineIncrement(I)V
java/awt/peer/ScrollbarPeer setPageIncrement(I)V
class java/awt/peer/TextAreaPeer java/lang/Object
java/awt/peer/TextAreaPeer insert(Ljava/lang/String;I)V
java/awt/peer/TextAreaPeer replaceRange(Ljava/lang/String;II)V
java/awt/peer/TextAreaPeer getPreferredSize(II)Ljava/awt/Dimension;
java/awt/peer/TextAreaPeer getMinimumSize(II)Ljava/awt/Dimension;
java/awt/peer/TextAreaPeer insertText(Ljava/lang/String;I)V
java/awt/peer/TextAreaPeer replaceText(Ljava/lang/String;II)V
java/awt/peer/TextAreaPeer preferredSize(II)Ljava/awt/Dimension;
java/awt/peer/TextAreaPeer minimumSize(II)Ljava/awt/Dimension;
class java/awt/peer/TextComponentPeer java/lang/Object
java/awt/peer/TextComponentPeer setEditable(Z)V
java/awt/peer/TextComponentPeer getText()Ljava/lang/String;
java/awt/peer/TextComponentPeer
setText(Ljava/lang/String;)V
java/awt/peer/TextComponentPeer getSelectionStart()I
java/awt/peer/TextComponentPeer getSelectionEnd()I
java/awt/peer/TextComponentPeer select(II)V
java/awt/peer/TextComponentPeer setCaretPosition(I)V
java/awt/peer/TextComponentPeer getCaretPosition()I
java/awt/peer/TextComponentPeer getIndexAtPoint(II)I
java/awt/peer/TextComponentPeer getCharacterBounds(I)Ljava/awt/Rectangle;
java/awt/peer/TextComponentPeer filterEvents(J)J
java/awt/peer/TextComponentPeer getInputMethodRequests()Ljava/awt/im/InputMethodRequests;
class java/awt/peer/TextFieldPeer java/lang/Object
java/awt/peer/TextFieldPeer setEchoChar(C)V
java/awt/peer/TextFieldPeer getPreferredSize(I)Ljava/awt/Dimension;
java/awt/peer/TextFieldPeer getMinimumSize(I)Ljava/awt/Dimension;
java/awt/peer/TextFieldPeer setEchoCharacter(C)V
java/awt/peer/TextFieldPeer preferredSize(I)Ljava/awt/Dimension;
java/awt/peer/TextFieldPeer minimumSize(I)Ljava/awt/Dimension;
class java/awt/print/Book$BookPage

java/lang/Object
java/awt/print/Book$BookPage mFormat
java/awt/print/Book$BookPage mPainter
java/awt/print/Book$BookPage this$0
java/awt/print/Book$BookPage
<init>(Ljava/awt/print/Book;Ljava/awt/print/Printable;Ljava/awt/print/PageFormat;)V
java/awt/print/Book$BookPage getPrintable()Ljava/awt/print/Printable;
java/awt/print/Book$BookPage getPageFormat()Ljava/awt/print/PageFormat;
class java/awt/print/Book java/lang/Object
java/awt/print/Book mPages
java/awt/print/Book <init>()V
java/awt/print/Book getNumberOfPages()I
java/awt/print/Book getPageFormat(I)Ljava/awt/print/PageFormat;
java/awt/print/Book getPrintable(I)Ljava/awt/print/Printable;
java/awt/print/Book setPage(ILjava/awt/print/Printable;Ljava/awt/print/PageFormat;)V
java/awt/print/Book append(Ljava/awt/print/Printable;Ljava/awt/print/PageFormat;)V
java/awt/print/Book append(Ljava/awt/print/Printable;Ljava/awt/print/PageFormat;I)V
java/awt/print/Book getPage(I)Ljava/awt/print/Book$BookPage;
class java/awt/print/Pageable
java/lang/Object
java/awt/print/Pageable UNKNOWN_NUMBER_OF_PAGES
java/awt/print/Pageable getNumberOfPages()I
java/awt/print/Pageable getPageFormat(I)Ljava/awt/print/PageFormat;
java/awt/print/Pageable getPrintable(I)Ljava/awt/print/Printable;
class java/awt/print/Paper java/lang/Object
java/awt/print/Paper INCH
java/awt/print/Paper LETTER_WIDTH
java/awt/print/Paper LETTER_HEIGHT
java/awt/print/Paper mHeight
java/awt/print/Paper mWidth
java/awt/print/Paper mImageableArea
java/awt/print/Paper <init>()V
java/awt/print/Paper clone()Ljava/lang/Object;
java/awt/print/Paper getHeight()D
java/awt/print/Paper setSize(DD)V
java/awt/print/Paper getWidth()D
java/awt/print/Paper setImageableArea(DDDD)V
java/awt/print/Paper getImageableX()D
java/awt/print/Paper getImageableY()D
java/awt/print/Paper getImageableWidth()D
java/awt/print/Paper getImageableHeight()D
class java/awt/print/Printable java/lang/Object
java/awt/print/Printable PAGE_EXISTS
java/awt/print/Printable NO_SUCH_PAGE
java/awt/print/Printable
print(Ljava/awt/Graphics;Ljava/awt/print/PageFormat;I)I
class java/awt/print/PrinterIOException java/awt/print/PrinterException
java/awt/print/PrinterIOException serialVersionUID

java/awt/print/PrinterIOException mException
java/awt/print/PrinterIOException <init>(Ljava/io/IOException;)V
java/awt/print/PrinterIOException getIOException()Ljava/io/IOException;
java/awt/print/PrinterIOException getCause()Ljava/lang/Throwable;
class java/awt/print/PrinterJob$1 java/lang/Object
java/awt/print/PrinterJob$1 <init>()V
java/awt/print/PrinterJob$1 run()Ljava/lang/Object;
class java/beans/AppletInitializer java/lang/Object
java/beans/AppletInitializer initialize(Ljava/applet/Applet;Ljava/beans/beancontext/BeanContext;)V
java/beans/AppletInitializer activate(Ljava/applet/Applet;)V
class java/beans/ArrayPersistenceDelegate java/beans/PersistenceDelegate
java/beans/ArrayPersistenceDelegate <init>()V
java/beans/ArrayPersistenceDelegate mutatesTo(Ljava/lang/Object;Ljava/lang/Object;)Z
java/beans/ArrayPersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
java/beans/ArrayPersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/Beans$1 java/lang/Object
java/beans/Beans$1 val$loader
java/beans/Beans$1 val$serName
java/beans/Beans$1 <init>(Ljava/lang/ClassLoader;Ljava/lang/String;)V
java/beans/Beans$1 run()Ljava/lang/Object;
class java/beans/Beans$2 java/lang/Object
java/beans/Beans$2 val$cloader
java/beans/Beans$2 val$resourceName
java/beans/Beans$2 <init>(Ljava/lang/ClassLoader;Ljava/lang/String;)V
java/beans/Beans$2 run()Ljava/lang/Object;
class java/beans/BeansAppletContext java/lang/Object
java/beans/BeansAppletContext target
java/beans/BeansAppletContext imageCache
java/beans/BeansAppletContext <init>(Ljava/applet/Applet;)V
java/beans/BeansAppletContext getAudioClip(Ljava/net/URL;)Ljava/applet/AudioClip;
java/beans/BeansAppletContext getImage(Ljava/net/URL;)Ljava/awt/Image;
java/beans/BeansAppletContext
getApplet(Ljava/lang/String;)Ljava/applet/Applet;
java/beans/BeansAppletContext getApplets()Ljava/util/Enumeration;
java/beans/BeansAppletContext showDocument(Ljava/net/URL;)V
java/beans/BeansAppletContext showDocument(Ljava/net/URL;Ljava/lang/String;)V
java/beans/BeansAppletContext showStatus(Ljava/lang/String;)V
java/beans/BeansAppletContext setStream(Ljava/lang/String;Ljava/io/InputStream;)V
java/beans/BeansAppletContext getStream(Ljava/lang/String;)Ljava/io/InputStream;
java/beans/BeansAppletContext getStreamKeys()Ljava/util/Iterator;
class java/beans/BeansAppletStub java/lang/Object
java/beans/BeansAppletStub active
java/beans/BeansAppletStub target
java/beans/BeansAppletStub context
java/beans/BeansAppletStub codeBase
java/beans/BeansAppletStub docBase

java/beans/BeansAppletStub
<init>(Ljava/applet/Applet;Ljava/applet/AppletContext;Ljava/net/URL;Ljava/net/URL;)V
java/beans/BeansAppletStub isActive()Z
java/beans/BeansAppletStub getDocumentBase()Ljava/net/URL;
java/beans/BeansAppletStub
getCodeBase()Ljava/net/URL;
java/beans/BeansAppletStub getParameter(Ljava/lang/String;)Ljava/lang/String;
java/beans/BeansAppletStub getAppletContext()Ljava/applet/AppletContext;
java/beans/BeansAppletStub appletResize(II)V
class java/beans/Customizer java/lang/Object
java/beans/Customizer setObject(Ljava/lang/Object;)V
java/beans/Customizer addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/beans/Customizer removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
class java/beans/DefaultPersistenceDelegate java/beans/PersistenceDelegate
java/beans/DefaultPersistenceDelegate constructor
java/beans/DefaultPersistenceDelegate definesEquals
java/beans/DefaultPersistenceDelegate <init>()V
java/beans/DefaultPersistenceDelegate <init>([Ljava/lang/String;)V
java/beans/DefaultPersistenceDelegate definesEquals(Ljava/lang/Class;)Z
java/beans/DefaultPersistenceDelegate definesEquals(Ljava/lang/Object;)Z
java/beans/DefaultPersistenceDelegate
mutatesTo(Ljava/lang/Object;Ljava/lang/Object;)Z
java/beans/DefaultPersistenceDelegate instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
java/beans/DefaultPersistenceDelegate isTransient(Ljava/lang/Class;Ljava/beans/PropertyDescriptor;)Z
java/beans/DefaultPersistenceDelegate equals(Ljava/lang/Object;Ljava/lang/Object;)Z
java/beans/DefaultPersistenceDelegate
doProperty(Ljava/lang/Class;Ljava/beans/PropertyDescriptor;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
java/beans/DefaultPersistenceDelegate
invokeStatement(Ljava/lang/Object;Ljava/lang/String;[Ljava/lang/Object;Ljava/beans/Encoder;)V
java/beans/DefaultPersistenceDelegate
initBean(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
java/beans/DefaultPersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/Encoder java/lang/Object
java/beans/Encoder bindings
java/beans/Encoder exceptionListener
java/beans/Encoder
executeStatements
java/beans/Encoder attributes
java/beans/Encoder <init>()V
java/beans/Encoder writeObject(Ljava/lang/Object;)V
java/beans/Encoder setExceptionListener(Ljava/beans/ExceptionListener;)V
java/beans/Encoder getExceptionListener()Ljava/beans/ExceptionListener;
java/beans/Encoder getValue(Ljava/beans/Expression;)Ljava/lang/Object;
java/beans/Encoder getPersistenceDelegate(Ljava/lang/Class;)Ljava/beans/PersistenceDelegate;
java/beans/Encoder setPersistenceDelegate(Ljava/lang/Class;Ljava/beans/PersistenceDelegate;)V
java/beans/Encoder remove(Ljava/lang/Object;)Ljava/lang/Object;

java/beans/Encoder get(Ljava/lang/Object;)Ljava/lang/Object;
java/beans/Encoder writeObject1(Ljava/lang/Object;)Ljava/lang/Object;
java/beans/Encoder cloneStatement(Ljava/beans/Statement;)Ljava/beans/Statement;
java/beans/Encoder writeStatement(Ljava/beans/Statement;)V
java/beans/Encoder writeExpression(Ljava/beans/Expression;)V
java/beans/Encoder clear()V
java/beans/Encoder
setAttribute(Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/Encoder getAttribute(Ljava/lang/Object;)Ljava/lang/Object;
class java/beans/EventHandler$1 java/lang/Object
java/beans/EventHandler$1 val$proxy
java/beans/EventHandler$1 val$method
java/beans/EventHandler$1 val$arguments
java/beans/EventHandler$1 this$0
java/beans/EventHandler$1
<init>(Ljava/beans/EventHandler;Ljava/lang/Object;Ljava/lang/reflect/Method;[Ljava/lang/Object;)V
java/beans/EventHandler$1 run()Ljava/lang/Object;
class java/beans/EventHandler java/lang/Object
java/beans/EventHandler empty
java/beans/EventHandler target
java/beans/EventHandler targetMethod
java/beans/EventHandler action
java/beans/EventHandler eventPropertyName
java/beans/EventHandler listenerMethodName
java/beans/EventHandler acc
java/beans/EventHandler <init>(Ljava/lang/Object;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/beans/EventHandler getTarget()Ljava/lang/Object;
java/beans/EventHandler getAction()Ljava/lang/String;
java/beans/EventHandler
getEventPropertyName()Ljava/lang/String;
java/beans/EventHandler getListenerMethodName()Ljava/lang/String;
java/beans/EventHandler applyGetters(Ljava/lang/Object;Ljava/lang/String;)Ljava/lang/Object;
java/beans/EventHandler
invoke(Ljava/lang/Object;Ljava/lang/reflect/Method;[Ljava/lang/Object;)Ljava/lang/Object;
java/beans/EventHandler
invokeInternal(Ljava/lang/Object;Ljava/lang/reflect/Method;[Ljava/lang/Object;)Ljava/lang/Object;
java/beans/EventHandler create(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/String;)Ljava/lang/Object;
java/beans/EventHandler
create(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/String;Ljava/lang/String;)Ljava/lang/Object;
java/beans/EventHandler
create(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/lang/Object
;
java/beans/EventHandler
access$000(Ljava/beans/EventHandler;Ljava/lang/Object;Ljava/lang/reflect/Method;[Ljava/lang/Object;)Ljava/lang
/Object;
java/beans/EventHandler <clinit>()V
class

java/beans/ExceptionListener java/lang/Object
java/beans/ExceptionListener exceptionThrown(Ljava/lang/Exception;)V
class java/beans/Expression java/beans/Statement
java/beans/Expression unbound
java/beans/Expression value
java/beans/Expression <init>(Ljava/lang/Object;Ljava/lang/String;[Ljava/lang/Object;)V
java/beans/Expression <init>(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/String;[Ljava/lang/Object;)V
java/beans/Expression getValue()Ljava/lang/Object;
java/beans/Expression setValue(Ljava/lang/Object;)V
java/beans/Expression instanceName(Ljava/lang/Object;)Ljava/lang/String;
java/beans/Expression toString()Ljava/lang/String;
java/beans/Expression <clinit>()V
class java/beans/IndexedPropertyChangeEvent java/beans/PropertyChangeEvent
java/beans/IndexedPropertyChangeEvent index
java/beans/IndexedPropertyChangeEvent
<init>(Ljava/lang/Object;Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;I)V
java/beans/IndexedPropertyChangeEvent getIndex()I
class java/beans/MetaData
java/lang/Object
java/beans/MetaData internalPersistenceDelegates
java/beans/MetaData transientProperties
java/beans/MetaData nullPersistenceDelegate
java/beans/MetaData primitivePersistenceDelegate
java/beans/MetaData defaultPersistenceDelegate
java/beans/MetaData arrayPersistenceDelegate
java/beans/MetaData proxyPersistenceDelegate
java/beans/MetaData <init>()V
java/beans/MetaData equals(Ljava/lang/Object;Ljava/lang/Object;)Z
java/beans/MetaData setPersistenceDelegate(Ljava/lang/Class;Ljava/beans/PersistenceDelegate;)V
java/beans/MetaData getPersistenceDelegate(Ljava/lang/Class;)Ljava/beans/PersistenceDelegate;
java/beans/MetaData getBeanInfo(Ljava/lang/Class;)Ljava/beans/BeanInfo;
java/beans/MetaData getPropertyDescriptor(Ljava/lang/Class;Ljava/lang/String;)Ljava/beans/PropertyDescriptor;
java/beans/MetaData
setPropertyAttribute(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/String;Ljava/lang/Object;)V
java/beans/MetaData setBeanAttribute(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/Object;)V
java/beans/MetaData
getBeanAttribute(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Object;
java/beans/MetaData registerConstructor(Ljava/lang/String;[Ljava/lang/String;)V
java/beans/MetaData removeProperty(Ljava/lang/String;Ljava/lang/String;)V
java/beans/MetaData <clinit>()V
class java/beans/NullPersistenceDelegate java/beans/PersistenceDelegate
java/beans/NullPersistenceDelegate <init>()V
java/beans/NullPersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
java/beans/NullPersistenceDelegate instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
java/beans/NullPersistenceDelegate writeObject(Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/ObjectInputStreamWithLoader java/io/ObjectInputStream
java/beans/ObjectInputStreamWithLoader loader

java/beans/ObjectInputStreamWithLoader <init>(Ljava/io/InputStream;Ljava/lang/ClassLoader;)V
java/beans/ObjectInputStreamWithLoader primitiveType(C)Ljava/lang/Class;
java/beans/ObjectInputStreamWithLoader
resolveClass(Ljava/io/ObjectStreamClass;)Ljava/lang/Class;
class java/beans/ParameterDescriptor java/beans/FeatureDescriptor
java/beans/ParameterDescriptor <init>()V
java/beans/ParameterDescriptor <init>(Ljava/beans/ParameterDescriptor;)V
class java/beans/PersistenceDelegate java/lang/Object
java/beans/PersistenceDelegate <init>()V
java/beans/PersistenceDelegate writeObject(Ljava/lang/Object;Ljava/beans/Encoder;)V
java/beans/PersistenceDelegate mutatesTo(Ljava/lang/Object;Ljava/lang/Object;)Z
java/beans/PersistenceDelegate instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
java/beans/PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/PrimitivePersistenceDelegate java/beans/PersistenceDelegate
java/beans/PrimitivePersistenceDelegate <init>()V
java/beans/PrimitivePersistenceDelegate mutatesTo(Ljava/lang/Object;Ljava/lang/Object;)Z
java/beans/PrimitivePersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
class java/beans/ProxyPersistenceDelegate java/beans/PersistenceDelegate
java/beans/ProxyPersistenceDelegate <init>()V
java/beans/ProxyPersistenceDelegate instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
class java/beans/ReflectionUtils$Signature java/lang/Object
java/beans/ReflectionUtils$Signature targetClass
java/beans/ReflectionUtils$Signature methodName
java/beans/ReflectionUtils$Signature argClasses
java/beans/ReflectionUtils$Signature hashCode
java/beans/ReflectionUtils$Signature <init>(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;)V
java/beans/ReflectionUtils$Signature equals(Ljava/lang/Object;)Z
java/beans/ReflectionUtils$Signature hashCode()I
class java/beans/ReflectionUtils java/lang/Object
java/beans/ReflectionUtils methodCacheRef
java/beans/ReflectionUtils <init>()V
java/beans/ReflectionUtils typeToClass(Ljava/lang/Class;)Ljava/lang/Class;
java/beans/ReflectionUtils
isPrimitive(Ljava/lang/Class;)Z
java/beans/ReflectionUtils primitiveTypeFor(Ljava/lang/Class;)Ljava/lang/Class;
java/beans/ReflectionUtils matchArguments([Ljava/lang/Class;[Ljava/lang/Class;)Z
java/beans/ReflectionUtils matchExplicitArguments([Ljava/lang/Class;[Ljava/lang/Class;)Z
java/beans/ReflectionUtils matchArguments([Ljava/lang/Class;[Ljava/lang/Class;Z)Z
java/beans/ReflectionUtils
getPublicMethod(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/beans/ReflectionUtils
findPublicMethod(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/beans/ReflectionUtils getMostSpecificMethod(Ljava/util/List;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/beans/ReflectionUtils
findMethod(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/beans/ReflectionUtils

getMethod(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/beans/ReflectionUtils
getConstructor(Ljava/lang/Class;[Ljava/lang/Class;)Ljava/lang/reflect/Constructor;
java/beans/ReflectionUtils
getPrivateField(Ljava/lang/Object;Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Object;
java/beans/ReflectionUtils
getPrivateField(Ljava/lang/Object;Ljava/lang/Class;Ljava/lang/String;Ljava/beans/ExceptionListener;)Ljava/lang/Object;
class java/beans/SimpleBeanInfo$1 java/lang/Object
java/beans/SimpleBeanInfo$1 val$c
java/beans/SimpleBeanInfo$1 val$resourceName
java/beans/SimpleBeanInfo$1 this$0
java/beans/SimpleBeanInfo$1 <init>(Ljava/beans/SimpleBeanInfo;Ljava/lang/Class;Ljava/lang/String;)V
java/beans/SimpleBeanInfo$1 run()Ljava/lang/Object;
class java/beans/Statement$1 java/lang/Object
java/beans/Statement$1 <init>()V
java/beans/Statement$1 exceptionThrown(Ljava/lang/Exception;)V
class java/beans/Statement java/lang/Object
java/beans/Statement emptyArray
java/beans/Statement defaultExceptionListener
java/beans/Statement target
java/beans/Statement methodName
java/beans/Statement
arguments
java/beans/Statement <init>(Ljava/lang/Object;Ljava/lang/String;[Ljava/lang/Object;)V
java/beans/Statement getTarget()Ljava/lang/Object;
java/beans/Statement getMethodName()Ljava/lang/String;
java/beans/Statement getArguments()[Ljava/lang/Object;
java/beans/Statement execute()V
java/beans/Statement invoke()Ljava/lang/Object;
java/beans/Statement instanceName(Ljava/lang/Object;)Ljava/lang/String;
java/beans/Statement toString()Ljava/lang/String;
java/beans/Statement <clinit>()V
class java/beans/StaticFieldsPersistenceDelegate java/beans/PersistenceDelegate
java/beans/StaticFieldsPersistenceDelegate <init>()V
java/beans/StaticFieldsPersistenceDelegate installFields(Ljava/beans/Encoder;Ljava/lang/Class;)V
java/beans/StaticFieldsPersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
java/beans/StaticFieldsPersistenceDelegate writeObject(Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/VetoableChangeListenerProxy
java/util/EventListenerProxy
java/beans/VetoableChangeListenerProxy propertyName
java/beans/VetoableChangeListenerProxy <init>(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
java/beans/VetoableChangeListenerProxy vetoableChange(Ljava/beans/PropertyChangeEvent;)V
java/beans/VetoableChangeListenerProxy getPropertyName()Ljava/lang/String;
class java/beans/XMLDecoder java/lang/Object
java/beans/XMLDecoder in
java/beans/XMLDecoder owner

java/beans/XMLDecoder exceptionListener
java/beans/XMLDecoder handler
java/beans/XMLDecoder clref
java/beans/XMLDecoder <init>(Ljava/io/InputStream;)V
java/beans/XMLDecoder <init>(Ljava/io/InputStream;Ljava/lang/Object;)V
java/beans/XMLDecoder <init>(Ljava/io/InputStream;Ljava/lang/Object;Ljava/beans/ExceptionListener;)V
java/beans/XMLDecoder
<init>(Ljava/io/InputStream;Ljava/lang/Object;Ljava/beans/ExceptionListener;Ljava/lang/ClassLoader;)V
java/beans/XMLDecoder setClassLoader(Ljava/lang/ClassLoader;)V
java/beans/XMLDecoder getClassLoader()Ljava/lang/ClassLoader;
java/beans/XMLDecoder
close()V
java/beans/XMLDecoder setExceptionListener(Ljava/beans/ExceptionListener;)V
java/beans/XMLDecoder getExceptionListener()Ljava/beans/ExceptionListener;
java/beans/XMLDecoder readObject()Ljava/lang/Object;
java/beans/XMLDecoder setOwner(Ljava/lang/Object;)V
java/beans/XMLDecoder getOwner()Ljava/lang/Object;
class java/beans/XMLEncoder$1 java/lang/Object
class java/beans/XMLEncoder$ValueData java/lang/Object
java/beans/XMLEncoder$ValueData refs
java/beans/XMLEncoder$ValueData marked
java/beans/XMLEncoder$ValueData name
java/beans/XMLEncoder$ValueData exp
java/beans/XMLEncoder$ValueData this$0
java/beans/XMLEncoder$ValueData <init>(Ljava/beans/XMLEncoder;)V
java/beans/XMLEncoder$ValueData <init>(Ljava/beans/XMLEncoder;Ljava/beans/XMLEncoder$1;)V
class java/beans/XMLEncoder java/beans/Encoder
java/beans/XMLEncoder encoding
java/beans/XMLEncoder out
java/beans/XMLEncoder owner
java/beans/XMLEncoder indentation
java/beans/XMLEncoder internal
java/beans/XMLEncoder
valueToExpression
java/beans/XMLEncoder targetToStatementList
java/beans/XMLEncoder preambleWritten
java/beans/XMLEncoder nameGenerator
java/beans/XMLEncoder <init>(Ljava/io/OutputStream;)V
java/beans/XMLEncoder setOwner(Ljava/lang/Object;)V
java/beans/XMLEncoder getOwner()Ljava/lang/Object;
java/beans/XMLEncoder writeObject(Ljava/lang/Object;)V
java/beans/XMLEncoder statementList(Ljava/lang/Object;)Ljava/util/Vector;
java/beans/XMLEncoder mark(Ljava/lang/Object;Z)V
java/beans/XMLEncoder mark(Ljava/beans/Statement;)V
java/beans/XMLEncoder writeStatement(Ljava/beans/Statement;)V
java/beans/XMLEncoder writeExpression(Ljava/beans/Expression;)V
java/beans/XMLEncoder flush()V
java/beans/XMLEncoder clear()V

java/beans/XMLEncoder close()V
java/beans/XMLEncoder quote(Ljava/lang/String;)Ljava/lang/String;
java/beans/XMLEncoder getValueData(Ljava/lang/Object;)Ljava/beans/XMLEncoder$ValueData;
java/beans/XMLEncoder quoteCharacters(Ljava/lang/String;)Ljava/lang/String;
java/beans/XMLEncoder
writeln(Ljava/lang/String;)V
java/beans/XMLEncoder outputValue(Ljava/lang/Object;Ljava/lang/Object;Z)V
java/beans/XMLEncoder outputStatement(Ljava/beans/Statement;Ljava/lang/Object;Z)V
java/beans/XMLEncoder <clinit>()V
class java/beans/beancontext/BeanContextChildComponentProxy java/lang/Object
java/beans/beancontext/BeanContextChildComponentProxy getComponent()Ljava/awt/Component;
class java/beans/beancontext/BeanContextContainerProxy java/lang/Object
java/beans/beancontext/BeanContextContainerProxy getContainer()Ljava/awt/Container;
class java/beans/beancontext/BeanContextMembershipListener java/lang/Object
java/beans/beancontext/BeanContextMembershipListener
childrenAdded(Ljava/beans/beancontext/BeanContextMembershipEvent;)V
java/beans/beancontext/BeanContextMembershipListener
childrenRemoved(Ljava/beans/beancontext/BeanContextMembershipEvent;)V
class java/beans/beancontext/BeanContextServiceAvailableEvent java/beans/beancontext/BeanContextEvent
java/beans/beancontext/BeanContextServiceAvailableEvent
serviceClass
java/beans/beancontext/BeanContextServiceAvailableEvent
<init>(Ljava/beans/beancontext/BeanContextServices;Ljava/lang/Class;)V
java/beans/beancontext/BeanContextServiceAvailableEvent
getSourceAsBeanContextServices()Ljava/beans/beancontext/BeanContextServices;
java/beans/beancontext/BeanContextServiceAvailableEvent getServiceClass()Ljava/lang/Class;
java/beans/beancontext/BeanContextServiceAvailableEvent getCurrentServiceSelectors()Ljava/util/Iterator;
class java/beans/beancontext/BeanContextServiceProvider java/lang/Object
java/beans/beancontext/BeanContextServiceProvider
getService(Ljava/beans/beancontext/BeanContextServices;Ljava/lang/Object;Ljava/lang/Class;Ljava/lang/Object;)L
java/lang/Object;
java/beans/beancontext/BeanContextServiceProvider
releaseService(Ljava/beans/beancontext/BeanContextServices;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextServiceProvider
getCurrentServiceSelectors(Ljava/beans/beancontext/BeanContextServices;Ljava/lang/Class;)Ljava/util/Iterator;
class
java/beans/beancontext/BeanContextServiceProviderBeanInfo java/lang/Object
java/beans/beancontext/BeanContextServiceProviderBeanInfo getServicesBeanInfo()[Ljava/beans/BeanInfo;
class java/beans/beancontext/BeanContextServiceRevokedEvent java/beans/beancontext/BeanContextEvent
java/beans/beancontext/BeanContextServiceRevokedEvent serviceClass
java/beans/beancontext/BeanContextServiceRevokedEvent invalidateRefs
java/beans/beancontext/BeanContextServiceRevokedEvent
<init>(Ljava/beans/beancontext/BeanContextServices;Ljava/lang/Class;Z)V
java/beans/beancontext/BeanContextServiceRevokedEvent
getSourceAsBeanContextServices()Ljava/beans/beancontext/BeanContextServices;
java/beans/beancontext/BeanContextServiceRevokedEvent getServiceClass()Ljava/lang/Class;
java/beans/beancontext/BeanContextServiceRevokedEvent isServiceClass(Ljava/lang/Class;)Z
java/beans/beancontext/BeanContextServiceRevokedEvent isCurrentServiceInvalidNow()Z

class
java/beans/beancontext/BeanContextServices java/lang/Object
java/beans/beancontext/BeanContextServices
addService(Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceProvider;)Z
java/beans/beancontext/BeanContextServices
revokeService(Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceProvider;Z)V
java/beans/beancontext/BeanContextServices hasService(Ljava/lang/Class;)Z
java/beans/beancontext/BeanContextServices
getService(Ljava/beans/beancontext/BeanContextChild;Ljava/lang/Object;Ljava/lang/Class;Ljava/lang/Object;Ljava/beans/beancontext/BeanContextServiceRevokedListener;)Ljava/lang/Object;
java/beans/beancontext/BeanContextServices
releaseService(Ljava/beans/beancontext/BeanContextChild;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextServices getCurrentServiceClasses()Ljava/util/Iterator;
java/beans/beancontext/BeanContextServices getCurrentServiceSelectors(Ljava/lang/Class;)Ljava/util/Iterator;
java/beans/beancontext/BeanContextServices
addBeanContextServicesListener(Ljava/beans/beancontext/BeanContextServicesListener;)V
java/beans/beancontext/BeanContextServices
removeBeanContextServicesListener(Ljava/beans/beancontext/BeanContextServicesListener;)V
class java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef java/lang/Object
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef serviceClass
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef serviceProvider
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef serviceRefs
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef delegateProvider
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef delegateRefs
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef requestors
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef this$1
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
<init>(Ljava/beans/beancontext/BeanContextServicesSupport$BCSSChild;Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceProvider;Z)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
addRequestor(Ljava/lang/Object;Ljava/beans/beancontext/BeanContextServiceRevokedListener;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
removeRequestor(Ljava/lang/Object;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
verifyRequestor(Ljava/lang/Object;Ljava/beans/beancontext/BeanContextServiceRevokedListener;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
verifyAndMaybeSetProvider(Ljava/beans/beancontext/BeanContextServiceProvider;Z)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
cloneOfEntries()Ljava/util/Iterator;
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
entries()Ljava/util/Iterator;
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef isEmpty()Z
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
getServiceClass()Ljava/lang/Class;
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
getServiceProvider()Ljava/beans/beancontext/BeanContextServiceProvider;
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
getDelegateProvider()Ljava/beans/beancontext/BeanContextServiceProvider;

java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef isDelegated()Z
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef addRef(Z)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef releaseRef(Z)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef getRefs()I
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef
getDelegateRefs()I
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef getServiceRefs()I
class java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef java/lang/Object
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef serviceClassRef
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef refCnt
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef delegated
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef this$1
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef
<init>(Ljava/beans/beancontext/BeanContextServicesSupport$BCSSChild;Ljava/beans/beancontext/BeanContextSe
rvicesSupport$BCSSChild$BCSSCServiceClassRef;Z)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef addRef()V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef release()I
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef
getServiceClassRef()Ljava/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceClassRef;
java/beans/beancontext/BeanContextServicesSupport$BCSSChild$BCSSCServiceRef isDelegated()Z
class java/beans/beancontext/BeanContextServicesSupport$BCSSChild
java/beans/beancontext/BeanContextSupport$BCSChild
java/beans/beancontext/BeanContextServicesSupport$BCSSChild serialVersionUID
java/beans/beancontext/BeanContextServicesSupport$BCSSChild serviceClasses
java/beans/beancontext/BeanContextServicesSupport$BCSSChild serviceRequestors
java/beans/beancontext/BeanContextServicesSupport$BCSSChild this$0
java/beans/beancontext/BeanContextServicesSupport$BCSSChild
<init>(Ljava/beans/beancontext/BeanContextServicesSupport;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild
usingService(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceP
rovider;ZLjava/beans/beancontext/BeanContextServiceRevokedListener;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild
releaseService(Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild revokeService(Ljava/lang/Class;ZZ)V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild cleanupReferences()V
java/beans/beancontext/BeanContextServicesSupport$BCSSChild revokeAllDelegatedServicesNow()V
class java/beans/beancontext/BeanContextServicesSupport$BCSSProxyServiceProvider java/lang/Object
java/beans/beancontext/BeanContextServicesSupport$BCSSProxyServiceProvider nestingCtxt
java/beans/beancontext/BeanContextServicesSupport$BCSSProxyServiceProvider this$0
java/beans/beancontext/BeanContextServicesSupport$BCSSProxyServiceProvider
<init>(Ljava/beans/beancontext/BeanContextServicesSupport;Ljava/beans/beancontext/BeanContextServices;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSProxyServiceProvider
getService(Ljava/beans/beancontext/BeanContextServices;Ljava/lang/Object;Ljava/lang/Class;Ljava/lang/Object;)L
java/lang/Object;
java/beans/beancontext/BeanContextServicesSupport$BCSSProxyServiceProvider
releaseService(Ljava/beans/beancontext/BeanContextServices;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSProxyServiceProvider
getCurrentServiceSelectors(Ljava/beans/beancontext/BeanContextServices;Ljava/lang/Class;)Ljava/util/Iterator;

java/beans/beancontext/BeanContextServicesSupport$BCSSProxyServiceProvider
serviceRevoked(Ljava/beans/beancontext/BeanContextServiceRevokedEvent;)V
class java/beans/beancontext/BeanContextServicesSupport$BCSSServiceProvider java/lang/Object
java/beans/beancontext/BeanContextServicesSupport$BCSSServiceProvider serviceProvider
java/beans/beancontext/BeanContextServicesSupport$BCSSServiceProvider
<init>(Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceProvider;)V
java/beans/beancontext/BeanContextServicesSupport$BCSSServiceProvider
getServiceProvider()Ljava/beans/beancontext/BeanContextServiceProvider;
class java/beans/beancontext/BeanContextServicesSupport java/beans/beancontext/BeanContextSupport
java/beans/beancontext/BeanContextServicesSupport services
java/beans/beancontext/BeanContextServicesSupport serializable
java/beans/beancontext/BeanContextServicesSupport proxy
java/beans/beancontext/BeanContextServicesSupport bcsListeners
java/beans/beancontext/BeanContextServicesSupport
<init>(Ljava/beans/beancontext/BeanContextServices;Ljava/util/Locale;ZZ)V
java/beans/beancontext/BeanContextServicesSupport
<init>(Ljava/beans/beancontext/BeanContextServices;Ljava/util/Locale;Z)V
java/beans/beancontext/BeanContextServicesSupport
<init>(Ljava/beans/beancontext/BeanContextServices;Ljava/util/Locale;)V
java/beans/beancontext/BeanContextServicesSupport <init>(Ljava/beans/beancontext/BeanContextServices;)V
java/beans/beancontext/BeanContextServicesSupport <init>()V
java/beans/beancontext/BeanContextServicesSupport
initialize()V
java/beans/beancontext/BeanContextServicesSupport
getBeanContextServicesPeer()Ljava/beans/beancontext/BeanContextServices;
java/beans/beancontext/BeanContextServicesSupport
createBCSChild(Ljava/lang/Object;Ljava/lang/Object;)Ljava/beans/beancontext/BeanContextSupport$BCSChild;
java/beans/beancontext/BeanContextServicesSupport
createBCSSServiceProvider(Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceProvider;)Ljava/beans/b
eancontext/BeanContextServicesSupport$BCSSServiceProvider;
java/beans/beancontext/BeanContextServicesSupport
addBeanContextServicesListener(Ljava/beans/beancontext/BeanContextServicesListener;)V
java/beans/beancontext/BeanContextServicesSupport
removeBeanContextServicesListener(Ljava/beans/beancontext/BeanContextServicesListener;)V
java/beans/beancontext/BeanContextServicesSupport
addService(Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceProvider;)Z
java/beans/beancontext/BeanContextServicesSupport
addService(Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceProvider;Z)Z
java/beans/beancontext/BeanContextServicesSupport
revokeService(Ljava/lang/Class;Ljava/beans/beancontext/BeanContextServiceProvider;Z)V
java/beans/beancontext/BeanContextServicesSupport hasService(Ljava/lang/Class;)Z
java/beans/beancontext/BeanContextServicesSupport
getService(Ljava/beans/beancontext/BeanContextChild;Ljava/lang/Object;Ljava/lang/Class;Ljava/lang/Object;Ljava
/beans/beancontext/BeanContextServiceRevokedListener;)Ljava/lang/Object;
java/beans/beancontext/BeanContextServicesSupport
releaseService(Ljava/beans/beancontext/BeanContextChild;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextServicesSupport getCurrentServiceClasses()Ljava/util/Iterator;
java/beans/beancontext/BeanContextServicesSupport

getCurrentServiceSelectors(Ljava/lang/Class;)Ljava/util/Iterator;
java/beans/beancontext/BeanContextServicesSupport
serviceAvailable(Ljava/beans/beancontext/BeanContextServiceAvailableEvent;)V
java/beans/beancontext/BeanContextServicesSupport
serviceRevoked(Ljava/beans/beancontext/BeanContextServiceRevokedEvent;)V
java/beans/beancontext/BeanContextServicesSupport
getChildBeanContextServicesListener(Ljava/lang/Object;)Ljava/beans/beancontext/BeanContextServicesListener;
java/beans/beancontext/BeanContextServicesSupport
childJustRemovedHook(Ljava/lang/Object;Ljava/beans/beancontext/BeanContextSupport$BCSChild;)V
java/beans/beancontext/BeanContextServicesSupport releaseBeanContextResources()V
java/beans/beancontext/BeanContextServicesSupport initializeBeanContextResources()V
java/beans/beancontext/BeanContextServicesSupport fireServiceAdded(Ljava/lang/Class;)V
java/beans/beancontext/BeanContextServicesSupport
fireServiceAdded(Ljava/beans/beancontext/BeanContextServiceAvailableEvent;)V
java/beans/beancontext/BeanContextServicesSupport
fireServiceRevoked(Ljava/beans/beancontext/BeanContextServiceRevokedEvent;)V
java/beans/beancontext/BeanContextServicesSupport fireServiceRevoked(Ljava/lang/Class;Z)V
java/beans/beancontext/BeanContextServicesSupport
bcsPreSerializationHook(Ljava/io/ObjectOutputStream;)V
java/beans/beancontext/BeanContextServicesSupport bcsPreDeserializationHook(Ljava/io/ObjectInputStream;)V
java/beans/beancontext/BeanContextServicesSupport writeObject(Ljava/io/ObjectOutputStream;)V
java/beans/beancontext/BeanContextServicesSupport readObject(Ljava/io/ObjectInputStream;)V
class java/beans/beancontext/BeanContextSupport$BCSIterator java/lang/Object
java/beans/beancontext/BeanContextSupport$BCSIterator src
java/beans/beancontext/BeanContextSupport$BCSIterator <init>(Ljava/util/Iterator;)V
java/beans/beancontext/BeanContextSupport$BCSIterator hasNext()Z
java/beans/beancontext/BeanContextSupport$BCSIterator next()Ljava/lang/Object;
java/beans/beancontext/BeanContextSupport$BCSIterator remove()V
class java/beans/java_awt_BorderLayout_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_BorderLayout_PersistenceDelegate <init>()V
java/beans/java_awt_BorderLayout_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_awt_CardLayout_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_CardLayout_PersistenceDelegate <init>()V
java/beans/java_awt_CardLayout_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_awt_Choice_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_Choice_PersistenceDelegate <init>()V
java/beans/java_awt_Choice_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_awt_Component_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_Component_PersistenceDelegate <init>()V
java/beans/java_awt_Component_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class
java/beans/java_awt_Container_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_Container_PersistenceDelegate <init>()V
java/beans/java_awt_Container_PersistenceDelegate

initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_awt_GridBagLayout_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_GridBagLayout_PersistenceDelegate <init>()V
java/beans/java_awt_GridBagLayout_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_awt_List_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_List_PersistenceDelegate <init>()V
java/beans/java_awt_List_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_awt_MenuBar_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_MenuBar_PersistenceDelegate
<init>()V
java/beans/java_awt_MenuBar_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_awt_MenuShortcut_PersistenceDelegate java/beans/PersistenceDelegate
java/beans/java_awt_MenuShortcut_PersistenceDelegate <init>()V
java/beans/java_awt_MenuShortcut_PersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
class java/beans/java_awt_Menu_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_awt_Menu_PersistenceDelegate <init>()V
java/beans/java_awt_Menu_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_awt_SystemColor_PersistenceDelegate java/beans/StaticFieldsPersistenceDelegate
java/beans/java_awt_SystemColor_PersistenceDelegate <init>()V
class java/beans/java_awt_font_TextAttribute_PersistenceDelegate java/beans/StaticFieldsPersistenceDelegate
java/beans/java_awt_font_TextAttribute_PersistenceDelegate
<init>()V
class java/beans/java_beans_beancontext_BeanContextSupport_PersistenceDelegate
java/beans/java_util_Collection_PersistenceDelegate
java/beans/java_beans_beancontext_BeanContextSupport_PersistenceDelegate <init>()V
class java/beans/java_lang_Class_PersistenceDelegate java/beans/PersistenceDelegate
java/beans/java_lang_Class_PersistenceDelegate <init>()V
java/beans/java_lang_Class_PersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
class java/beans/java_lang_String_PersistenceDelegate java/beans/PersistenceDelegate
java/beans/java_lang_String_PersistenceDelegate <init>()V
java/beans/java_lang_String_PersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
java/beans/java_lang_String_PersistenceDelegate writeObject(Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_lang_reflect_Field_PersistenceDelegate java/beans/PersistenceDelegate
java/beans/java_lang_reflect_Field_PersistenceDelegate
<init>()V
java/beans/java_lang_reflect_Field_PersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
class java/beans/java_lang_reflect_Method_PersistenceDelegate java/beans/PersistenceDelegate
java/beans/java_lang_reflect_Method_PersistenceDelegate <init>()V
java/beans/java_lang_reflect_Method_PersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;

class java/beans/java_util_AbstractCollection_PersistenceDelegate
java/beans/java_util_Collection_PersistenceDelegate
java/beans/java_util_AbstractCollection_PersistenceDelegate <init>()V
class java/beans/java_util_AbstractList_PersistenceDelegate java/beans/java_util_List_PersistenceDelegate
java/beans/java_util_AbstractList_PersistenceDelegate <init>()V
class java/beans/java_util_AbstractMap_PersistenceDelegate java/beans/java_util_Map_PersistenceDelegate
java/beans/java_util_AbstractMap_PersistenceDelegate <init>()V
class
java/beans/java_util_Collection_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_util_Collection_PersistenceDelegate <init>()V
java/beans/java_util_Collection_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_util_Hashtable_PersistenceDelegate java/beans/java_util_Map_PersistenceDelegate
java/beans/java_util_Hashtable_PersistenceDelegate <init>()V
class java/beans/java_util_List_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_util_List_PersistenceDelegate <init>()V
java/beans/java_util_List_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/java_util_Map_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/java_util_Map_PersistenceDelegate <init>()V
java/beans/java_util_Map_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class
java/beans/javax_swing_Box_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/javax_swing_Box_PersistenceDelegate <init>()V
java/beans/javax_swing_Box_PersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
class java/beans/javax_swing_DefaultComboBoxModel_PersistenceDelegate
java/beans/DefaultPersistenceDelegate
java/beans/javax_swing_DefaultComboBoxModel_PersistenceDelegate <init>()V
java/beans/javax_swing_DefaultComboBoxModel_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/javax_swing_DefaultListModel_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/javax_swing_DefaultListModel_PersistenceDelegate <init>()V
java/beans/javax_swing_DefaultListModel_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/javax_swing_JFrame_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/javax_swing_JFrame_PersistenceDelegate
<init>()V
java/beans/javax_swing_JFrame_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/javax_swing_JMenu_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/javax_swing_JMenu_PersistenceDelegate <init>()V
java/beans/javax_swing_JMenu_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/javax_swing_JTabbedPane_PersistenceDelegate java/beans/DefaultPersistenceDelegate
java/beans/javax_swing_JTabbedPane_PersistenceDelegate <init>()V
java/beans/javax_swing_JTabbedPane_PersistenceDelegate

initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/beans/javax_swing_ToolTipManager_PersistenceDelegate java/beans/PersistenceDelegate
java/beans/javax_swing_ToolTipManager_PersistenceDelegate <init>()V
java/beans/javax_swing_ToolTipManager_PersistenceDelegate
instantiate(Ljava/lang/Object;Ljava/beans/Encoder;)Ljava/beans/Expression;
class java/beans/javax_swing_tree_DefaultMutableTreeNode_PersistenceDelegate
java/beans/DefaultPersistenceDelegate
java/beans/javax_swing_tree_DefaultMutableTreeNode_PersistenceDelegate <init>()V
java/beans/javax_swing_tree_DefaultMutableTreeNode_PersistenceDelegate
initialize(Ljava/lang/Class;Ljava/lang/Object;Ljava/lang/Object;Ljava/beans/Encoder;)V
class java/io/CharArrayReader java/io/Reader
java/io/CharArrayReader buf
java/io/CharArrayReader pos
java/io/CharArrayReader markedPos
java/io/CharArrayReader count
java/io/CharArrayReader <init>([C)V
java/io/CharArrayReader <init>([CII)V
java/io/CharArrayReader ensureOpen()V
java/io/CharArrayReader read()I
java/io/CharArrayReader read([CII)I
java/io/CharArrayReader skip(J)J
java/io/CharArrayReader ready()Z
java/io/CharArrayReader markSupported()Z
java/io/CharArrayReader mark(I)V
java/io/CharArrayReader reset()V
java/io/CharArrayReader
close()V
class java/io/FilterWriter java/io/Writer
java/io/FilterWriter out
java/io/FilterWriter <init>(Ljava/io/Writer;)V
java/io/FilterWriter write(I)V
java/io/FilterWriter write([CII)V
java/io/FilterWriter write(Ljava/lang/String;II)V
java/io/FilterWriter flush()V
java/io/FilterWriter close()V
class java/io/LineNumberInputStream java/io/FilterInputStream
java/io/LineNumberInputStream pushBack
java/io/LineNumberInputStream lineNumber
java/io/LineNumberInputStream markLineNumber
java/io/LineNumberInputStream markPushBack
java/io/LineNumberInputStream <init>(Ljava/io/InputStream;)V
java/io/LineNumberInputStream read()I
java/io/LineNumberInputStream read([BII)I
java/io/LineNumberInputStream skip(J)J
java/io/LineNumberInputStream setLineNumber(I)V
java/io/LineNumberInputStream getLineNumber()I
java/io/LineNumberInputStream available()I
java/io/LineNumberInputStream mark(I)V

java/io/LineNumberInputStream reset()V
class java/io/LineNumberReader java/io/BufferedReader
java/io/LineNumberReader
 lineNumber
java/io/LineNumberReader markedLineNumber
java/io/LineNumberReader skipLF
java/io/LineNumberReader markedSkipLF
java/io/LineNumberReader maxSkipBufferSize
java/io/LineNumberReader skipBuffer
java/io/LineNumberReader <init>(Ljava/io/Reader;)V
java/io/LineNumberReader <init>(Ljava/io/Reader;I)V
java/io/LineNumberReader setLineNumber(I)V
java/io/LineNumberReader getLineNumber()I
java/io/LineNumberReader read()I
java/io/LineNumberReader read([CII)I
java/io/LineNumberReader readLine()Ljava/lang/String;
java/io/LineNumberReader skip(J)J
java/io/LineNumberReader mark(I)V
java/io/LineNumberReader reset()V
class java/io/NotActiveException java/io/ObjectStreamException
java/io/NotActiveException <init>(Ljava/lang/String;)V
java/io/NotActiveException <init>()V
class java/io/ObjectInputStream$Caches java/lang/Object
java/io/ObjectInputStream$Caches subclassAudits
java/io/ObjectInputStream$Caches subclassAuditsQueue
java/io/ObjectInputStream$Caches <init>()V
java/io/ObjectInputStream$Caches
 <clinit>()V
class java/io/ObjectInputStream$CallbackContext java/lang/Object
java/io/ObjectInputStream$CallbackContext obj
java/io/ObjectInputStream$CallbackContext desc
java/io/ObjectInputStream$CallbackContext used
java/io/ObjectInputStream$CallbackContext <init>(Ljava/lang/Object;Ljava/io/ObjectStreamClass;)V
java/io/ObjectInputStream$CallbackContext getObj()Ljava/lang/Object;
java/io/ObjectInputStream$CallbackContext getDesc()Ljava/io/ObjectStreamClass;
java/io/ObjectInputStream$CallbackContext checkAndSetUsed()V
java/io/ObjectInputStream$CallbackContext setUsed()V
class java/io/ObjectInputStream$ValidationList$Callback java/lang/Object
java/io/ObjectInputStream$ValidationList$Callback obj
java/io/ObjectInputStream$ValidationList$Callback priority
java/io/ObjectInputStream$ValidationList$Callback next
java/io/ObjectInputStream$ValidationList$Callback
<init>(Ljava/io/ObjectInputValidation;ILjava/io/ObjectInputStream$ValidationList$Callback;)V
class java/io/ObjectOutputStream$Caches
 java/lang/Object
java/io/ObjectOutputStream$Caches subclassAudits
java/io/ObjectOutputStream$Caches subclassAuditsQueue
java/io/ObjectOutputStream$Caches <init>()V

java/io/ObjectOutputStream$Caches <clinit>()V
class java/io/ObjectOutputStream$PutField java/lang/Object
java/io/ObjectOutputStream$PutField <init>()V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;Z)V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;B)V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;C)V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;S)V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;I)V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;J)V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;F)V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;D)V
java/io/ObjectOutputStream$PutField put(Ljava/lang/String;Ljava/lang/Object;)V
java/io/ObjectOutputStream$PutField write(Ljava/io/ObjectOutput;)V
class java/io/ObjectOutputStream$PutFieldImpl
 java/io/ObjectOutputStream$PutField
java/io/ObjectOutputStream$PutFieldImpl desc
java/io/ObjectOutputStream$PutFieldImpl primVals
java/io/ObjectOutputStream$PutFieldImpl objVals
java/io/ObjectOutputStream$PutFieldImpl this$0
java/io/ObjectOutputStream$PutFieldImpl <init>(Ljava/io/ObjectOutputStream;Ljava/io/ObjectStreamClass;)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;Z)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;B)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;C)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;S)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;I)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;F)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;J)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;D)V
java/io/ObjectOutputStream$PutFieldImpl put(Ljava/lang/String;Ljava/lang/Object;)V
java/io/ObjectOutputStream$PutFieldImpl
 write(Ljava/io/ObjectOutput;)V
java/io/ObjectOutputStream$PutFieldImpl writeFields()V
java/io/ObjectOutputStream$PutFieldImpl getFieldOffset(Ljava/lang/String;Ljava/lang/Class;)I
class java/io/ObjectStreamClass$Caches java/lang/Object
java/io/ObjectStreamClass$Caches localDescs
java/io/ObjectStreamClass$Caches reflectors
java/io/ObjectStreamClass$Caches localDescsQueue
java/io/ObjectStreamClass$Caches reflectorsQueue
java/io/ObjectStreamClass$Caches <init>()V
java/io/ObjectStreamClass$Caches access$200()Ljava/lang/ref/ReferenceQueue;
java/io/ObjectStreamClass$Caches access$2500()Ljava/lang/ref/ReferenceQueue;
java/io/ObjectStreamClass$Caches <clinit>()V
class java/io/ObjectStreamClass$EntryFuture$1 java/lang/Object
java/io/ObjectStreamClass$EntryFuture$1 this$0
java/io/ObjectStreamClass$EntryFuture$1 <init>(Ljava/io/ObjectStreamClass$EntryFuture;)V
java/io/ObjectStreamClass$EntryFuture$1 run()Ljava/lang/Object;
class java/io/ObjectStreamClass$WeakClassKey java/lang/ref/WeakReference
java/io/ObjectStreamClass$WeakClassKey

hash
java/io/ObjectStreamClass$WeakClassKey <init>(Ljava/lang/Class;Ljava/lang/ref/ReferenceQueue;)V
java/io/ObjectStreamClass$WeakClassKey hashCode()I
java/io/ObjectStreamClass$WeakClassKey equals(Ljava/lang/Object;)Z
class java/io/PipedInputStream java/io/InputStream
java/io/PipedInputStream closedByWriter
java/io/PipedInputStream closedByReader
java/io/PipedInputStream connected
java/io/PipedInputStream readSide
java/io/PipedInputStream writeSide
java/io/PipedInputStream PIPE_SIZE
java/io/PipedInputStream buffer
java/io/PipedInputStream in
java/io/PipedInputStream out
java/io/PipedInputStream $assertionsDisabled
java/io/PipedInputStream <init>(Ljava/io/PipedOutputStream;)V
java/io/PipedInputStream <init>()V
java/io/PipedInputStream connect(Ljava/io/PipedOutputStream;)V
java/io/PipedInputStream receive(I)V
java/io/PipedInputStream receive([BII)V
java/io/PipedInputStream checkStateForReceive()V
java/io/PipedInputStream awaitSpace()V
java/io/PipedInputStream
receivedLast()V
java/io/PipedInputStream read()I
java/io/PipedInputStream read([BII)I
java/io/PipedInputStream available()I
java/io/PipedInputStream close()V
java/io/PipedInputStream <clinit>()V
class java/io/PipedOutputStream java/io/OutputStream
java/io/PipedOutputStream sink
java/io/PipedOutputStream <init>(Ljava/io/PipedInputStream;)V
java/io/PipedOutputStream <init>()V
java/io/PipedOutputStream connect(Ljava/io/PipedInputStream;)V
java/io/PipedOutputStream write(I)V
java/io/PipedOutputStream write([BII)V
java/io/PipedOutputStream flush()V
java/io/PipedOutputStream close()V
class java/io/PipedReader java/io/Reader
java/io/PipedReader closedByWriter
java/io/PipedReader closedByReader
java/io/PipedReader connected
java/io/PipedReader readSide
java/io/PipedReader writeSide
java/io/PipedReader PIPE_SIZE
java/io/PipedReader buffer
java/io/PipedReader in
java/io/PipedReader out

java/io/PipedReader <init>(Ljava/io/PipedWriter;)V
java/io/PipedReader <init>()V
java/io/PipedReader
 connect(Ljava/io/PipedWriter;)V
java/io/PipedReader receive(I)V
java/io/PipedReader receive([CII)V
java/io/PipedReader receivedLast()V
java/io/PipedReader read()I
java/io/PipedReader read([CII)I
java/io/PipedReader ready()Z
java/io/PipedReader close()V
class java/io/PipedWriter java/io/Writer
java/io/PipedWriter sink
java/io/PipedWriter closed
java/io/PipedWriter <init>(Ljava/io/PipedReader;)V
java/io/PipedWriter <init>()V
java/io/PipedWriter connect(Ljava/io/PipedReader;)V
java/io/PipedWriter write(I)V
java/io/PipedWriter write([CII)V
java/io/PipedWriter flush()V
java/io/PipedWriter close()V
class java/io/PushbackReader java/io/FilterReader
java/io/PushbackReader buf
java/io/PushbackReader pos
java/io/PushbackReader <init>(Ljava/io/Reader;I)V
java/io/PushbackReader <init>(Ljava/io/Reader;)V
java/io/PushbackReader ensureOpen()V
java/io/PushbackReader read()I
java/io/PushbackReader read([CII)I
java/io/PushbackReader unread(I)V
java/io/PushbackReader unread([CII)V
java/io/PushbackReader
 unread([C)V
java/io/PushbackReader ready()Z
java/io/PushbackReader mark(I)V
java/io/PushbackReader reset()V
java/io/PushbackReader markSupported()Z
java/io/PushbackReader close()V
java/io/PushbackReader skip(J)J
class java/io/SequenceInputStream java/io/InputStream
java/io/SequenceInputStream e
java/io/SequenceInputStream in
java/io/SequenceInputStream <init>(Ljava/util/Enumeration;)V
java/io/SequenceInputStream <init>(Ljava/io/InputStream;Ljava/io/InputStream;)V
java/io/SequenceInputStream nextStream()V
java/io/SequenceInputStream available()I
java/io/SequenceInputStream read()I
java/io/SequenceInputStream read([BII)I

java/io/SequenceInputStream close()V
class java/io/SerializablePermission java/security/BasicPermission
java/io/SerializablePermission actions
java/io/SerializablePermission <init>(Ljava/lang/String;)V
java/io/SerializablePermission <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/io/StreamCorruptedException java/io/ObjectStreamException
java/io/StreamCorruptedException
 <init>(Ljava/lang/String;)V
java/io/StreamCorruptedException <init>()V
class java/io/StringBufferInputStream java/io/InputStream
java/io/StringBufferInputStream buffer
java/io/StringBufferInputStream pos
java/io/StringBufferInputStream count
java/io/StringBufferInputStream <init>(Ljava/lang/String;)V
java/io/StringBufferInputStream read()I
java/io/StringBufferInputStream read([BII)I
java/io/StringBufferInputStream skip(J)J
java/io/StringBufferInputStream available()I
java/io/StringBufferInputStream reset()V
class java/io/UTFDataFormatException java/io/IOException
java/io/UTFDataFormatException <init>()V
java/io/UTFDataFormatException <init>(Ljava/lang/String;)V
class java/io/WriteAbortedException java/io/ObjectStreamException
java/io/WriteAbortedException serialVersionUID
java/io/WriteAbortedException detail
java/io/WriteAbortedException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
java/io/WriteAbortedException getMessage()Ljava/lang/String;
java/io/WriteAbortedException
 getCause()Ljava/lang/Throwable;
class java/lang/AbstractMethodError java/lang/IncompatibleClassChangeError
java/lang/AbstractMethodError <init>()V
java/lang/AbstractMethodError <init>(Ljava/lang/String;)V
class java/lang/AssertionError java/lang/Error
java/lang/AssertionError <init>()V
java/lang/AssertionError <init>(Ljava/lang/String;)V
java/lang/AssertionError <init>(Ljava/lang/Object;)V
java/lang/AssertionError <init>(Z)V
java/lang/AssertionError <init>(C)V
java/lang/AssertionError <init>(I)V
java/lang/AssertionError <init>(J)V
java/lang/AssertionError <init>(F)V
java/lang/AssertionError <init>(D)V
class java/lang/AssertionStatusDirectives java/lang/Object
java/lang/AssertionStatusDirectives classes
java/lang/AssertionStatusDirectives classEnabled
java/lang/AssertionStatusDirectives packages
java/lang/AssertionStatusDirectives packageEnabled
java/lang/AssertionStatusDirectives deflt

java/lang/AssertionStatusDirectives <init>()V
class java/lang/Byte$ByteCache java/lang/Object
java/lang/Byte$ByteCache
 cache
java/lang/Byte$ByteCache <init>()V
java/lang/Byte$ByteCache <clinit>()V
class java/lang/Character$CharacterCache java/lang/Object
java/lang/Character$CharacterCache cache
java/lang/Character$CharacterCache <init>()V
java/lang/Character$CharacterCache <clinit>()V
class java/lang/Character$Subset java/lang/Object
java/lang/Character$Subset name
java/lang/Character$Subset <init>(Ljava/lang/String;)V
java/lang/Character$Subset equals(Ljava/lang/Object;)Z
java/lang/Character$Subset hashCode()I
java/lang/Character$Subset toString()Ljava/lang/String;
class java/lang/Character$UnicodeBlock java/lang/Character$Subset
java/lang/Character$UnicodeBlock map
java/lang/Character$UnicodeBlock BASIC_LATIN
java/lang/Character$UnicodeBlock LATIN_1_SUPPLEMENT
java/lang/Character$UnicodeBlock LATIN_EXTENDED_A
java/lang/Character$UnicodeBlock LATIN_EXTENDED_B
java/lang/Character$UnicodeBlock IPA_EXTENSIONS
java/lang/Character$UnicodeBlock SPACING_MODIFIER_LETTERS
java/lang/Character$UnicodeBlock
 COMBINING_DIACRITICAL_MARKS
java/lang/Character$UnicodeBlock GREEK
java/lang/Character$UnicodeBlock CYRILLIC
java/lang/Character$UnicodeBlock ARMENIAN
java/lang/Character$UnicodeBlock HEBREW
java/lang/Character$UnicodeBlock ARABIC
java/lang/Character$UnicodeBlock DEVANAGARI
java/lang/Character$UnicodeBlock BENGALI
java/lang/Character$UnicodeBlock GURMUKHI
java/lang/Character$UnicodeBlock GUJARATI
java/lang/Character$UnicodeBlock ORIYA
java/lang/Character$UnicodeBlock TAMIL
java/lang/Character$UnicodeBlock TELUGU
java/lang/Character$UnicodeBlock KANNADA
java/lang/Character$UnicodeBlock MALAYALAM
java/lang/Character$UnicodeBlock THAI
java/lang/Character$UnicodeBlock LAO
java/lang/Character$UnicodeBlock TIBETAN
java/lang/Character$UnicodeBlock GEORGIAN
java/lang/Character$UnicodeBlock HANGUL_JAMO
java/lang/Character$UnicodeBlock LATIN_EXTENDED_ADDITIONAL
java/lang/Character$UnicodeBlock GREEK_EXTENDED
java/lang/Character$UnicodeBlock GENERAL_PUNCTUATION

java/lang/Character$UnicodeBlock
SUPERSCRIPTS_AND_SUBSCRIPTS
java/lang/Character$UnicodeBlock CURRENCY_SYMBOLS
java/lang/Character$UnicodeBlock COMBINING_MARKS_FOR_SYMBOLS
java/lang/Character$UnicodeBlock LETTERLIKE_SYMBOLS
java/lang/Character$UnicodeBlock NUMBER_FORMS
java/lang/Character$UnicodeBlock ARROWS
java/lang/Character$UnicodeBlock MATHEMATICAL_OPERATORS
java/lang/Character$UnicodeBlock MISCELLANEOUS_TECHNICAL
java/lang/Character$UnicodeBlock CONTROL_PICTURES
java/lang/Character$UnicodeBlock OPTICAL_CHARACTER_RECOGNITION
java/lang/Character$UnicodeBlock ENCLOSED_ALPHANUMERICS
java/lang/Character$UnicodeBlock BOX_DRAWING
java/lang/Character$UnicodeBlock BLOCK_ELEMENTS
java/lang/Character$UnicodeBlock GEOMETRIC_SHAPES
java/lang/Character$UnicodeBlock MISCELLANEOUS_SYMBOLS
java/lang/Character$UnicodeBlock DINGBATS
java/lang/Character$UnicodeBlock CJK_SYMBOLS_AND_PUNCTUATION
java/lang/Character$UnicodeBlock HIRAGANA
java/lang/Character$UnicodeBlock KATAKANA
java/lang/Character$UnicodeBlock BOPOMOFO
java/lang/Character$UnicodeBlock
HANGUL_COMPATIBILITY_JAMO
java/lang/Character$UnicodeBlock KANBUN
java/lang/Character$UnicodeBlock ENCLOSED_CJK_LETTERS_AND_MONTHS
java/lang/Character$UnicodeBlock CJK_COMPATIBILITY
java/lang/Character$UnicodeBlock CJK_UNIFIED_IDEOGRAPHS
java/lang/Character$UnicodeBlock HANGUL_SYLLABLES
java/lang/Character$UnicodeBlock PRIVATE_USE_AREA
java/lang/Character$UnicodeBlock CJK_COMPATIBILITY_IDEOGRAPHS
java/lang/Character$UnicodeBlock ALPHABETIC_PRESENTATION_FORMS
java/lang/Character$UnicodeBlock ARABIC_PRESENTATION_FORMS_A
java/lang/Character$UnicodeBlock COMBINING_HALF_MARKS
java/lang/Character$UnicodeBlock CJK_COMPATIBILITY_FORMS
java/lang/Character$UnicodeBlock SMALL_FORM_VARIANTS
java/lang/Character$UnicodeBlock ARABIC_PRESENTATION_FORMS_B
java/lang/Character$UnicodeBlock HALFWIDTH_AND_FULLWIDTH_FORMS
java/lang/Character$UnicodeBlock SPECIALS
java/lang/Character$UnicodeBlock SURROGATES_AREA
java/lang/Character$UnicodeBlock SYRIAC
java/lang/Character$UnicodeBlock
THAANA
java/lang/Character$UnicodeBlock SINHALA
java/lang/Character$UnicodeBlock MYANMAR
java/lang/Character$UnicodeBlock ETHIOPIC
java/lang/Character$UnicodeBlock CHEROKEE
java/lang/Character$UnicodeBlock UNIFIED_CANADIAN_ABORIGINAL_SYLLABICS
java/lang/Character$UnicodeBlock OGHAM

java/lang/Character$UnicodeBlock RUNIC
java/lang/Character$UnicodeBlock KHMER
java/lang/Character$UnicodeBlock MONGOLIAN
java/lang/Character$UnicodeBlock BRAILLE_PATTERNS
java/lang/Character$UnicodeBlock CJK_RADICALS_SUPPLEMENT
java/lang/Character$UnicodeBlock KANGXI_RADICALS
java/lang/Character$UnicodeBlock IDEOGRAPHIC_DESCRIPTION_CHARACTERS
java/lang/Character$UnicodeBlock BOPOMOFO_EXTENDED
java/lang/Character$UnicodeBlock CJK_UNIFIED_IDEOGRAPHS_EXTENSION_A
java/lang/Character$UnicodeBlock YI_SYLLABLES
java/lang/Character$UnicodeBlock YI_RADICALS
java/lang/Character$UnicodeBlock CYRILLIC_SUPPLEMENTARY
java/lang/Character$UnicodeBlock TAGALOG
java/lang/Character$UnicodeBlock HANUNOO
java/lang/Character$UnicodeBlock
BUHID
java/lang/Character$UnicodeBlock TAGBANWA
java/lang/Character$UnicodeBlock LIMBU
java/lang/Character$UnicodeBlock TAI_LE
java/lang/Character$UnicodeBlock KHMER_SYMBOLS
java/lang/Character$UnicodeBlock PHONETIC_EXTENSIONS
java/lang/Character$UnicodeBlock MISCELLANEOUS_MATHEMATICAL_SYMBOLS_A
java/lang/Character$UnicodeBlock SUPPLEMENTAL_ARROWS_A
java/lang/Character$UnicodeBlock SUPPLEMENTAL_ARROWS_B
java/lang/Character$UnicodeBlock MISCELLANEOUS_MATHEMATICAL_SYMBOLS_B
java/lang/Character$UnicodeBlock SUPPLEMENTAL_MATHEMATICAL_OPERATORS
java/lang/Character$UnicodeBlock MISCELLANEOUS_SYMBOLS_AND_ARROWS
java/lang/Character$UnicodeBlock KATAKANA_PHONETIC_EXTENSIONS
java/lang/Character$UnicodeBlock YIJING_HEXAGRAM_SYMBOLS
java/lang/Character$UnicodeBlock VARIATION_SELECTORS
java/lang/Character$UnicodeBlock LINEAR_B_SYLLABARY
java/lang/Character$UnicodeBlock LINEAR_B_IDEOGRAMS
java/lang/Character$UnicodeBlock AEGEAN_NUMBERS
java/lang/Character$UnicodeBlock OLD_ITALIC
java/lang/Character$UnicodeBlock
GOTHIC
java/lang/Character$UnicodeBlock UGARITIC
java/lang/Character$UnicodeBlock DESERET
java/lang/Character$UnicodeBlock SHAVIAN
java/lang/Character$UnicodeBlock OSMANYA
java/lang/Character$UnicodeBlock CYPRIOT_SYLLABARY
java/lang/Character$UnicodeBlock BYZANTINE_MUSICAL_SYMBOLS
java/lang/Character$UnicodeBlock MUSICAL_SYMBOLS
java/lang/Character$UnicodeBlock TAI_XUAN_JING_SYMBOLS
java/lang/Character$UnicodeBlock MATHEMATICAL_ALPHANUMERIC_SYMBOLS
java/lang/Character$UnicodeBlock CJK_UNIFIED_IDEOGRAPHS_EXTENSION_B
java/lang/Character$UnicodeBlock CJK_COMPATIBILITY_IDEOGRAPHS_SUPPLEMENT
java/lang/Character$UnicodeBlock TAGS

java/lang/Character$UnicodeBlock VARIATION_SELECTORS_SUPPLEMENT
java/lang/Character$UnicodeBlock SUPPLEMENTARY_PRIVATE_USE_AREA_A
java/lang/Character$UnicodeBlock SUPPLEMENTARY_PRIVATE_USE_AREA_B
java/lang/Character$UnicodeBlock HIGH_SURROGATES
java/lang/Character$UnicodeBlock HIGH_PRIVATE_USE_SURROGATES
java/lang/Character$UnicodeBlock
LOW_SURROGATES
java/lang/Character$UnicodeBlock blockStarts
java/lang/Character$UnicodeBlock blocks
java/lang/Character$UnicodeBlock <init>(Ljava/lang/String;)V
java/lang/Character$UnicodeBlock <init>(Ljava/lang/String;Ljava/lang/String;)V
java/lang/Character$UnicodeBlock <init>(Ljava/lang/String;[Ljava/lang/String;)V
java/lang/Character$UnicodeBlock of(C)Ljava/lang/Character$UnicodeBlock;
java/lang/Character$UnicodeBlock of(I)Ljava/lang/Character$UnicodeBlock;
java/lang/Character$UnicodeBlock forName(Ljava/lang/String;)Ljava/lang/Character$UnicodeBlock;
java/lang/Character$UnicodeBlock <clinit>()V
class java/lang/CharacterData00 java/lang/Object
java/lang/CharacterData00 charMap
java/lang/CharacterData00 X
java/lang/CharacterData00 Y
java/lang/CharacterData00 A
java/lang/CharacterData00 A_DATA
java/lang/CharacterData00 $assertionsDisabled
java/lang/CharacterData00 <init>()V
java/lang/CharacterData00 getProperties(I)I
java/lang/CharacterData00 getType(I)I
java/lang/CharacterData00
isLowerCase(I)Z
java/lang/CharacterData00 isUpperCase(I)Z
java/lang/CharacterData00 isTitleCase(I)Z
java/lang/CharacterData00 isDigit(I)Z
java/lang/CharacterData00 isDefined(I)Z
java/lang/CharacterData00 isLetter(I)Z
java/lang/CharacterData00 isLetterOrDigit(I)Z
java/lang/CharacterData00 isSpaceChar(I)Z
java/lang/CharacterData00 isJavaIdentifierStart(I)Z
java/lang/CharacterData00 isJavaIdentifierPart(I)Z
java/lang/CharacterData00 isUnicodeIdentifierStart(I)Z
java/lang/CharacterData00 isUnicodeIdentifierPart(I)Z
java/lang/CharacterData00 isIdentifierIgnorable(I)Z
java/lang/CharacterData00 toLowerCase(I)I
java/lang/CharacterData00 toUpperCase(I)I
java/lang/CharacterData00 toTitleCase(I)I
java/lang/CharacterData00 digit(II)I
java/lang/CharacterData00 getNumericValue(I)I
java/lang/CharacterData00 isWhitespace(I)Z
java/lang/CharacterData00 getDirectionality(I)B
java/lang/CharacterData00 isMirrored(I)Z

java/lang/CharacterData00 toUpperCaseEx(I)I
java/lang/CharacterData00 toUpperCaseCharArray(I)[C
java/lang/CharacterData00
findInCharMap(I)I
java/lang/CharacterData00 <clinit>()V
class java/lang/CharacterData01 java/lang/Object
java/lang/CharacterData01 X
java/lang/CharacterData01 Y
java/lang/CharacterData01 A
java/lang/CharacterData01 A_DATA
java/lang/CharacterData01 $assertionsDisabled
java/lang/CharacterData01 <init>()V
java/lang/CharacterData01 getProperties(I)I
java/lang/CharacterData01 getType(I)I
java/lang/CharacterData01 isLowerCase(I)Z
java/lang/CharacterData01 isUpperCase(I)Z
java/lang/CharacterData01 isTitleCase(I)Z
java/lang/CharacterData01 isDigit(I)Z
java/lang/CharacterData01 isDefined(I)Z
java/lang/CharacterData01 isLetter(I)Z
java/lang/CharacterData01 isLetterOrDigit(I)Z
java/lang/CharacterData01 isSpaceChar(I)Z
java/lang/CharacterData01 isJavaIdentifierStart(I)Z
java/lang/CharacterData01 isJavaIdentifierPart(I)Z
java/lang/CharacterData01 isUnicodeIdentifierStart(I)Z
java/lang/CharacterData01 isUnicodeIdentifierPart(I)Z
java/lang/CharacterData01 isIdentifierIgnorable(I)Z
java/lang/CharacterData01
toLowerCase(I)I
java/lang/CharacterData01 toUpperCase(I)I
java/lang/CharacterData01 toTitleCase(I)I
java/lang/CharacterData01 digit(II)I
java/lang/CharacterData01 getNumericValue(I)I
java/lang/CharacterData01 isWhitespace(I)Z
java/lang/CharacterData01 getDirectionality(I)B
java/lang/CharacterData01 isMirrored(I)Z
java/lang/CharacterData01 <clinit>()V
class java/lang/CharacterData02 java/lang/Object
java/lang/CharacterData02 X
java/lang/CharacterData02 Y
java/lang/CharacterData02 A
java/lang/CharacterData02 A_DATA
java/lang/CharacterData02 $assertionsDisabled
java/lang/CharacterData02 <init>()V
java/lang/CharacterData02 getProperties(I)I
java/lang/CharacterData02 getType(I)I
java/lang/CharacterData02 isLowerCase(I)Z
java/lang/CharacterData02 isUpperCase(I)Z

java/lang/CharacterData02 isTitleCase(I)Z
java/lang/CharacterData02 isDigit(I)Z
java/lang/CharacterData02 isDefined(I)Z
java/lang/CharacterData02 isLetter(I)Z
java/lang/CharacterData02 isLetterOrDigit(I)Z
java/lang/CharacterData02
isSpaceChar(I)Z
java/lang/CharacterData02 isJavaIdentifierStart(I)Z
java/lang/CharacterData02 isJavaIdentifierPart(I)Z
java/lang/CharacterData02 isUnicodeIdentifierStart(I)Z
java/lang/CharacterData02 isUnicodeIdentifierPart(I)Z
java/lang/CharacterData02 isIdentifierIgnorable(I)Z
java/lang/CharacterData02 toLowerCase(I)I
java/lang/CharacterData02 toUpperCase(I)I
java/lang/CharacterData02 toTitleCase(I)I
java/lang/CharacterData02 digit(II)I
java/lang/CharacterData02 getNumericValue(I)I
java/lang/CharacterData02 isWhitespace(I)Z
java/lang/CharacterData02 getDirectionality(I)B
java/lang/CharacterData02 isMirrored(I)Z
java/lang/CharacterData02 <clinit>()V
class java/lang/CharacterData0E java/lang/Object
java/lang/CharacterData0E X
java/lang/CharacterData0E Y
java/lang/CharacterData0E A
java/lang/CharacterData0E A_DATA
java/lang/CharacterData0E $assertionsDisabled
java/lang/CharacterData0E <init>()V
java/lang/CharacterData0E getProperties(I)I
java/lang/CharacterData0E
getType(I)I
java/lang/CharacterData0E isLowerCase(I)Z
java/lang/CharacterData0E isUpperCase(I)Z
java/lang/CharacterData0E isTitleCase(I)Z
java/lang/CharacterData0E isDigit(I)Z
java/lang/CharacterData0E isDefined(I)Z
java/lang/CharacterData0E isLetter(I)Z
java/lang/CharacterData0E isLetterOrDigit(I)Z
java/lang/CharacterData0E isSpaceChar(I)Z
java/lang/CharacterData0E isJavaIdentifierStart(I)Z
java/lang/CharacterData0E isJavaIdentifierPart(I)Z
java/lang/CharacterData0E isUnicodeIdentifierStart(I)Z
java/lang/CharacterData0E isUnicodeIdentifierPart(I)Z
java/lang/CharacterData0E isIdentifierIgnorable(I)Z
java/lang/CharacterData0E toLowerCase(I)I
java/lang/CharacterData0E toUpperCase(I)I
java/lang/CharacterData0E toTitleCase(I)I
java/lang/CharacterData0E digit(II)I

java/lang/CharacterData0E getNumericValue(I)I
java/lang/CharacterData0E isWhitespace(I)Z
java/lang/CharacterData0E getDirectionality(I)B
java/lang/CharacterData0E isMirrored(I)Z
java/lang/CharacterData0E <clinit>()V
class
java/lang/CharacterDataPrivateUse java/lang/Object
java/lang/CharacterDataPrivateUse <init>()V
java/lang/CharacterDataPrivateUse getProperties(I)I
java/lang/CharacterDataPrivateUse getType(I)I
java/lang/CharacterDataPrivateUse isLowerCase(I)Z
java/lang/CharacterDataPrivateUse isUpperCase(I)Z
java/lang/CharacterDataPrivateUse isTitleCase(I)Z
java/lang/CharacterDataPrivateUse isDigit(I)Z
java/lang/CharacterDataPrivateUse isDefined(I)Z
java/lang/CharacterDataPrivateUse isLetter(I)Z
java/lang/CharacterDataPrivateUse isLetterOrDigit(I)Z
java/lang/CharacterDataPrivateUse isSpaceChar(I)Z
java/lang/CharacterDataPrivateUse isJavaIdentifierStart(I)Z
java/lang/CharacterDataPrivateUse isJavaIdentifierPart(I)Z
java/lang/CharacterDataPrivateUse isUnicodeIdentifierStart(I)Z
java/lang/CharacterDataPrivateUse isUnicodeIdentifierPart(I)Z
java/lang/CharacterDataPrivateUse isIdentifierIgnorable(I)Z
java/lang/CharacterDataPrivateUse toLowerCase(I)I
java/lang/CharacterDataPrivateUse toUpperCase(I)I
java/lang/CharacterDataPrivateUse
toTitleCase(I)I
java/lang/CharacterDataPrivateUse digit(II)I
java/lang/CharacterDataPrivateUse getNumericValue(I)I
java/lang/CharacterDataPrivateUse isWhitespace(I)Z
java/lang/CharacterDataPrivateUse getDirectionality(I)B
java/lang/CharacterDataPrivateUse isMirrored(I)Z
class java/lang/CharacterDataUndefined java/lang/Object
java/lang/CharacterDataUndefined <init>()V
java/lang/CharacterDataUndefined getProperties(I)I
java/lang/CharacterDataUndefined getType(I)I
java/lang/CharacterDataUndefined isLowerCase(I)Z
java/lang/CharacterDataUndefined isUpperCase(I)Z
java/lang/CharacterDataUndefined isTitleCase(I)Z
java/lang/CharacterDataUndefined isDigit(I)Z
java/lang/CharacterDataUndefined isDefined(I)Z
java/lang/CharacterDataUndefined isLetter(I)Z
java/lang/CharacterDataUndefined isLetterOrDigit(I)Z
java/lang/CharacterDataUndefined isSpaceChar(I)Z
java/lang/CharacterDataUndefined isJavaIdentifierStart(I)Z
java/lang/CharacterDataUndefined isJavaIdentifierPart(I)Z
java/lang/CharacterDataUndefined

isUnicodeIdentifierStart(I)Z
java/lang/CharacterDataUndefined isUnicodeIdentifierPart(I)Z
java/lang/CharacterDataUndefined isIdentifierIgnorable(I)Z
java/lang/CharacterDataUndefined toLowerCase(I)I
java/lang/CharacterDataUndefined toUpperCase(I)I
java/lang/CharacterDataUndefined toTitleCase(I)I
java/lang/CharacterDataUndefined digit(II)I
java/lang/CharacterDataUndefined getNumericValue(I)I
java/lang/CharacterDataUndefined isWhitespace(I)Z
java/lang/CharacterDataUndefined getDirectionality(I)B
java/lang/CharacterDataUndefined isMirrored(I)Z
class java/lang/Class$2 java/lang/Object
java/lang/Class$2 this$0
java/lang/Class$2 <init>(Ljava/lang/Class;)V
java/lang/Class$2 run()Ljava/lang/Object;
class java/lang/Class$4 java/lang/Object
java/lang/Class$4 val$values
java/lang/Class$4 this$0
java/lang/Class$4 <init>(Ljava/lang/Class;Ljava/lang/reflect/Method;)V
java/lang/Class$4 run()Ljava/lang/Object;
class java/lang/Class$EnclosingMethodInfo java/lang/Object
java/lang/Class$EnclosingMethodInfo
enclosingClass
java/lang/Class$EnclosingMethodInfo name
java/lang/Class$EnclosingMethodInfo descriptor
java/lang/Class$EnclosingMethodInfo $assertionsDisabled
java/lang/Class$EnclosingMethodInfo <init>([Ljava/lang/Object;)V
java/lang/Class$EnclosingMethodInfo isPartial()Z
java/lang/Class$EnclosingMethodInfo isConstructor()Z
java/lang/Class$EnclosingMethodInfo isMethod()Z
java/lang/Class$EnclosingMethodInfo getEnclosingClass()Ljava/lang/Class;
java/lang/Class$EnclosingMethodInfo getName()Ljava/lang/String;
java/lang/Class$EnclosingMethodInfo getDescriptor()Ljava/lang/String;
java/lang/Class$EnclosingMethodInfo <init>([Ljava/lang/Object;Ljava/lang/Class$1;)V
java/lang/Class$EnclosingMethodInfo <clinit>()V
class java/lang/ClassCircularityError java/lang/LinkageError
java/lang/ClassCircularityError <init>()V
java/lang/ClassCircularityError <init>(Ljava/lang/String;)V
class java/lang/ConditionalSpecialCasing$Entry java/lang/Object
java/lang/ConditionalSpecialCasing$Entry
ch
java/lang/ConditionalSpecialCasing$Entry lower
java/lang/ConditionalSpecialCasing$Entry upper
java/lang/ConditionalSpecialCasing$Entry lang
java/lang/ConditionalSpecialCasing$Entry condition
java/lang/ConditionalSpecialCasing$Entry <init>(I[C[CLjava/lang/String;I)V
java/lang/ConditionalSpecialCasing$Entry getCodePoint()I
java/lang/ConditionalSpecialCasing$Entry getLowerCase()[C

java/lang/ConditionalSpecialCasing$Entry getUpperCase()[C
java/lang/ConditionalSpecialCasing$Entry getLanguage()Ljava/lang/String;
java/lang/ConditionalSpecialCasing$Entry getCondition()I
class java/lang/ConditionalSpecialCasing java/lang/Object
java/lang/ConditionalSpecialCasing FINAL_CASED
java/lang/ConditionalSpecialCasing AFTER_SOFT_DOTTED
java/lang/ConditionalSpecialCasing MORE_ABOVE
java/lang/ConditionalSpecialCasing AFTER_I
java/lang/ConditionalSpecialCasing NOT_BEFORE_DOT
java/lang/ConditionalSpecialCasing COMBINING_CLASS_ABOVE
java/lang/ConditionalSpecialCasing entry
java/lang/ConditionalSpecialCasing
 entryTable
java/lang/ConditionalSpecialCasing <init>()V
java/lang/ConditionalSpecialCasing toLowerCaseEx(Ljava/lang/String;ILjava/util/Locale;)I
java/lang/ConditionalSpecialCasing toUpperCaseEx(Ljava/lang/String;ILjava/util/Locale;)I
java/lang/ConditionalSpecialCasing toLowerCaseCharArray(Ljava/lang/String;ILjava/util/Locale;)[C
java/lang/ConditionalSpecialCasing toUpperCaseCharArray(Ljava/lang/String;ILjava/util/Locale;)[C
java/lang/ConditionalSpecialCasing lookUpTable(Ljava/lang/String;ILjava/util/Locale;Z)[C
java/lang/ConditionalSpecialCasing isConditionMet(Ljava/lang/String;ILjava/util/Locale;I)Z
java/lang/ConditionalSpecialCasing isFinalCased(Ljava/lang/String;ILjava/util/Locale;)Z
java/lang/ConditionalSpecialCasing isAfterI(Ljava/lang/String;I)Z
java/lang/ConditionalSpecialCasing isAfterSoftDotted(Ljava/lang/String;I)Z
java/lang/ConditionalSpecialCasing isMoreAbove(Ljava/lang/String;I)Z
java/lang/ConditionalSpecialCasing isBeforeDot(Ljava/lang/String;I)Z
java/lang/ConditionalSpecialCasing
 isCased(I)Z
java/lang/ConditionalSpecialCasing isSoftDotted(I)Z
java/lang/ConditionalSpecialCasing <clinit>()V
class java/lang/Deprecated java/lang/Object
class java/lang/EnumConstantNotPresentException java/lang/RuntimeException
java/lang/EnumConstantNotPresentException enumType
java/lang/EnumConstantNotPresentException constantName
java/lang/EnumConstantNotPresentException <init>(Ljava/lang/Class;Ljava/lang/String;)V
java/lang/EnumConstantNotPresentException enumType()Ljava/lang/Class;
java/lang/EnumConstantNotPresentException constantName()Ljava/lang/String;
class java/lang/IllegalMonitorStateException java/lang/RuntimeException
java/lang/IllegalMonitorStateException <init>()V
java/lang/IllegalMonitorStateException <init>(Ljava/lang/String;)V
class java/lang/InstantiationError java/lang/IncompatibleClassChangeError
java/lang/InstantiationError <init>()V
java/lang/InstantiationError <init>(Ljava/lang/String;)V
class java/lang/Long$LongCache java/lang/Object
java/lang/Long$LongCache
 cache
java/lang/Long$LongCache <init>()V
java/lang/Long$LongCache <clinit>()V
class java/lang/NegativeArraySizeException java/lang/RuntimeException

java/lang/NegativeArraySizeException <init>()V
java/lang/NegativeArraySizeException <init>(Ljava/lang/String;)V
class java/lang/NoSuchFieldError java/lang/IncompatibleClassChangeError
java/lang/NoSuchFieldError <init>()V
java/lang/NoSuchFieldError <init>(Ljava/lang/String;)V
class java/lang/Override java/lang/Object
class java/lang/Package$1 java/lang/Object
java/lang/Package$1 val$iname
java/lang/Package$1 val$fn
java/lang/Package$1 <init>(Ljava/lang/String;Ljava/lang/String;)V
java/lang/Package$1 run()Ljava/lang/Object;
class java/lang/Package$1PackageInfoProxy java/lang/Object
java/lang/Package$1PackageInfoProxy this$0
java/lang/Package$1PackageInfoProxy <init>(Ljava/lang/Package;)V
class java/lang/ProcessBuilder java/lang/Object
java/lang/ProcessBuilder command
java/lang/ProcessBuilder directory
java/lang/ProcessBuilder
 environment
java/lang/ProcessBuilder redirectErrorStream
java/lang/ProcessBuilder $assertionsDisabled
java/lang/ProcessBuilder <init>(Ljava/util/List;)V
java/lang/ProcessBuilder <init>([Ljava/lang/String;)V
java/lang/ProcessBuilder command(Ljava/util/List;)Ljava/lang/ProcessBuilder;
java/lang/ProcessBuilder command([Ljava/lang/String;)Ljava/lang/ProcessBuilder;
java/lang/ProcessBuilder command()Ljava/util/List;
java/lang/ProcessBuilder environment()Ljava/util/Map;
java/lang/ProcessBuilder environment([Ljava/lang/String;)Ljava/lang/ProcessBuilder;
java/lang/ProcessBuilder directory()Ljava/io/File;
java/lang/ProcessBuilder directory(Ljava/io/File;)Ljava/lang/ProcessBuilder;
java/lang/ProcessBuilder redirectErrorStream()Z
java/lang/ProcessBuilder redirectErrorStream(Z)Ljava/lang/ProcessBuilder;
java/lang/ProcessBuilder start()Ljava/lang/Process;
java/lang/ProcessBuilder <clinit>()V
class java/lang/ProcessEnvironment$1 java/lang/Object
class java/lang/ProcessEnvironment$CheckedEntry
 java/lang/Object
java/lang/ProcessEnvironment$CheckedEntry e
java/lang/ProcessEnvironment$CheckedEntry <init>(Ljava/util/Map$Entry;)V
java/lang/ProcessEnvironment$CheckedEntry getKey()Ljava/lang/String;
java/lang/ProcessEnvironment$CheckedEntry getValue()Ljava/lang/String;
java/lang/ProcessEnvironment$CheckedEntry setValue(Ljava/lang/String;)Ljava/lang/String;
java/lang/ProcessEnvironment$CheckedEntry toString()Ljava/lang/String;
java/lang/ProcessEnvironment$CheckedEntry equals(Ljava/lang/Object;)Z
java/lang/ProcessEnvironment$CheckedEntry hashCode()I
java/lang/ProcessEnvironment$CheckedEntry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/lang/ProcessEnvironment$CheckedEntry getValue()Ljava/lang/Object;
java/lang/ProcessEnvironment$CheckedEntry getKey()Ljava/lang/Object;

class java/lang/ProcessEnvironment$CheckedEntrySet$1 java/lang/Object
java/lang/ProcessEnvironment$CheckedEntrySet$1 i
java/lang/ProcessEnvironment$CheckedEntrySet$1 this$0
java/lang/ProcessEnvironment$CheckedEntrySet$1
 <init>(Ljava/lang/ProcessEnvironment$CheckedEntrySet;)V
java/lang/ProcessEnvironment$CheckedEntrySet$1 hasNext()Z
java/lang/ProcessEnvironment$CheckedEntrySet$1 next()Ljava/util/Map$Entry;
java/lang/ProcessEnvironment$CheckedEntrySet$1 remove()V
java/lang/ProcessEnvironment$CheckedEntrySet$1 next()Ljava/lang/Object;
class java/lang/ProcessEnvironment$CheckedEntrySet java/util/AbstractSet
java/lang/ProcessEnvironment$CheckedEntrySet s
java/lang/ProcessEnvironment$CheckedEntrySet <init>(Ljava/util/Set;)V
java/lang/ProcessEnvironment$CheckedEntrySet size()I
java/lang/ProcessEnvironment$CheckedEntrySet isEmpty()Z
java/lang/ProcessEnvironment$CheckedEntrySet clear()V
java/lang/ProcessEnvironment$CheckedEntrySet iterator()Ljava/util/Iterator;
java/lang/ProcessEnvironment$CheckedEntrySet checkedEntry(Ljava/lang/Object;)Ljava/util/Map$Entry;
java/lang/ProcessEnvironment$CheckedEntrySet contains(Ljava/lang/Object;)Z
java/lang/ProcessEnvironment$CheckedEntrySet remove(Ljava/lang/Object;)Z
java/lang/ProcessEnvironment$CheckedEntrySet
 access$100(Ljava/lang/ProcessEnvironment$CheckedEntrySet;)Ljava/util/Set;
class java/lang/ProcessEnvironment$CheckedKeySet java/util/AbstractSet
java/lang/ProcessEnvironment$CheckedKeySet s
java/lang/ProcessEnvironment$CheckedKeySet <init>(Ljava/util/Set;)V
java/lang/ProcessEnvironment$CheckedKeySet size()I
java/lang/ProcessEnvironment$CheckedKeySet isEmpty()Z
java/lang/ProcessEnvironment$CheckedKeySet clear()V
java/lang/ProcessEnvironment$CheckedKeySet iterator()Ljava/util/Iterator;
java/lang/ProcessEnvironment$CheckedKeySet contains(Ljava/lang/Object;)Z
java/lang/ProcessEnvironment$CheckedKeySet remove(Ljava/lang/Object;)Z
class java/lang/ProcessEnvironment$CheckedValues java/util/AbstractCollection
java/lang/ProcessEnvironment$CheckedValues c
java/lang/ProcessEnvironment$CheckedValues <init>(Ljava/util/Collection;)V
java/lang/ProcessEnvironment$CheckedValues size()I
java/lang/ProcessEnvironment$CheckedValues isEmpty()Z
java/lang/ProcessEnvironment$CheckedValues
 clear()V
java/lang/ProcessEnvironment$CheckedValues iterator()Ljava/util/Iterator;
java/lang/ProcessEnvironment$CheckedValues contains(Ljava/lang/Object;)Z
java/lang/ProcessEnvironment$CheckedValues remove(Ljava/lang/Object;)Z
class java/lang/ProcessEnvironment$EntryComparator java/lang/Object
java/lang/ProcessEnvironment$EntryComparator <init>()V
java/lang/ProcessEnvironment$EntryComparator compare(Ljava/util/Map$Entry;Ljava/util/Map$Entry;)I
java/lang/ProcessEnvironment$EntryComparator compare(Ljava/lang/Object;Ljava/lang/Object;)I
java/lang/ProcessEnvironment$EntryComparator <init>(Ljava/lang/ProcessEnvironment$1;)V
class java/lang/ProcessEnvironment$NameComparator java/lang/Object
java/lang/ProcessEnvironment$NameComparator <init>()V
java/lang/ProcessEnvironment$NameComparator compare(Ljava/lang/String;Ljava/lang/String;)I

java/lang/ProcessEnvironment$NameComparator compare(Ljava/lang/Object;Ljava/lang/Object;)I
java/lang/ProcessEnvironment$NameComparator
<init>(Ljava/lang/ProcessEnvironment$1;)V
class java/lang/ProcessEnvironment java/util/HashMap
java/lang/ProcessEnvironment MIN_NAME_LENGTH
java/lang/ProcessEnvironment nameComparator
java/lang/ProcessEnvironment entryComparator
java/lang/ProcessEnvironment theEnvironment
java/lang/ProcessEnvironment theUnmodifiableEnvironment
java/lang/ProcessEnvironment theCaseInsensitiveEnvironment
java/lang/ProcessEnvironment validateName(Ljava/lang/String;)Ljava/lang/String;
java/lang/ProcessEnvironment validateValue(Ljava/lang/String;)Ljava/lang/String;
java/lang/ProcessEnvironment nonNullString(Ljava/lang/Object;)Ljava/lang/String;
java/lang/ProcessEnvironment put(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/lang/ProcessEnvironment get(Ljava/lang/Object;)Ljava/lang/String;
java/lang/ProcessEnvironment containsKey(Ljava/lang/Object;)Z
java/lang/ProcessEnvironment containsValue(Ljava/lang/Object;)Z
java/lang/ProcessEnvironment remove(Ljava/lang/Object;)Ljava/lang/String;
java/lang/ProcessEnvironment
keySet()Ljava/util/Set;
java/lang/ProcessEnvironment values()Ljava/util/Collection;
java/lang/ProcessEnvironment entrySet()Ljava/util/Set;
java/lang/ProcessEnvironment <init>()V
java/lang/ProcessEnvironment <init>(I)V
java/lang/ProcessEnvironment getenv(Ljava/lang/String;)Ljava/lang/String;
java/lang/ProcessEnvironment getenv()Ljava/util/Map;
java/lang/ProcessEnvironment environment()Ljava/util/Map;
java/lang/ProcessEnvironment emptyEnvironment(I)Ljava/util/Map;
java/lang/ProcessEnvironment environmentBlock()Ljava/lang/String;
java/lang/ProcessEnvironment toEnvironmentBlock()Ljava/lang/String;
java/lang/ProcessEnvironment toEnvironmentBlock(Ljava/util/Map;)Ljava/lang/String;
java/lang/ProcessEnvironment remove(Ljava/lang/Object;)Ljava/lang/Object;
java/lang/ProcessEnvironment put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/lang/ProcessEnvironment get(Ljava/lang/Object;)Ljava/lang/Object;
java/lang/ProcessEnvironment access$000(Ljava/lang/String;)Ljava/lang/String;
java/lang/ProcessEnvironment
access$200(Ljava/lang/Object;)Ljava/lang/String;
java/lang/ProcessEnvironment access$300()Ljava/lang/ProcessEnvironment$NameComparator;
java/lang/ProcessEnvironment <clinit>()V
class java/lang/ProcessImpl$1 java/lang/Object
java/lang/ProcessImpl$1 this$0
java/lang/ProcessImpl$1 <init>(Ljava/lang/ProcessImpl;)V
java/lang/ProcessImpl$1 run()Ljava/lang/Object;
class java/lang/ProcessImpl java/lang/Process
java/lang/ProcessImpl handle
java/lang/ProcessImpl stdin_fd
java/lang/ProcessImpl stdout_fd
java/lang/ProcessImpl stderr_fd

java/lang/ProcessImpl stdin_stream
java/lang/ProcessImpl stdout_stream
java/lang/ProcessImpl stderr_stream
java/lang/ProcessImpl start([Ljava/lang/String;Ljava/util/Map;Ljava/lang/String;Z)Ljava/lang/Process;
java/lang/ProcessImpl <init>([Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Z)V
java/lang/ProcessImpl getOutputStream()Ljava/io/OutputStream;
java/lang/ProcessImpl getInputStream()Ljava/io/InputStream;
java/lang/ProcessImpl
getErrorStream()Ljava/io/InputStream;
java/lang/ProcessImpl finalize()V
java/lang/ProcessImpl exitValue()I
java/lang/ProcessImpl waitFor()I
java/lang/ProcessImpl destroy()V
java/lang/ProcessImpl
create(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;ZLjava/io/FileDescriptor;Ljava/io/FileDescriptor;Ljava/io/FileDescriptor;)J
java/lang/ProcessImpl close()V
java/lang/ProcessImpl access$002(Ljava/lang/ProcessImpl;Ljava/io/OutputStream;)Ljava/io/OutputStream;
java/lang/ProcessImpl access$100(Ljava/lang/ProcessImpl;)Ljava/io/FileDescriptor;
java/lang/ProcessImpl access$202(Ljava/lang/ProcessImpl;Ljava/io/InputStream;)Ljava/io/InputStream;
java/lang/ProcessImpl access$300(Ljava/lang/ProcessImpl;)Ljava/io/FileDescriptor;
java/lang/ProcessImpl access$402(Ljava/lang/ProcessImpl;Ljava/io/InputStream;)Ljava/io/InputStream;
java/lang/ProcessImpl access$500(Ljava/lang/ProcessImpl;)Ljava/io/FileDescriptor;
class java/lang/SecurityManager$2 java/lang/Object
java/lang/SecurityManager$2
this$0
java/lang/SecurityManager$2 <init>(Ljava/lang/SecurityManager;)V
java/lang/SecurityManager$2 run()Ljava/lang/Object;
class java/lang/Shutdown$1 java/lang/Object
class java/lang/String$1 java/lang/Object
class java/lang/StringCoding$1 java/lang/Object
class java/lang/StringCoding$ConverterSD java/lang/StringCoding$StringDecoder
java/lang/StringCoding$ConverterSD btc
java/lang/StringCoding$ConverterSD <init>(Lsun/io/ByteToCharConverter;Ljava/lang/String;)V
java/lang/StringCoding$ConverterSD charsetName()Ljava/lang/String;
java/lang/StringCoding$ConverterSD decode([BII)[C
java/lang/StringCoding$ConverterSD
<init>(Lsun/io/ByteToCharConverter;Ljava/lang/String;Ljava/lang/StringCoding$1;)V
class java/lang/StringCoding$ConverterSE java/lang/StringCoding$StringEncoder
java/lang/StringCoding$ConverterSE ctb
java/lang/StringCoding$ConverterSE <init>(Lsun/io/CharToByteConverter;Ljava/lang/String;)V
java/lang/StringCoding$ConverterSE charsetName()Ljava/lang/String;
java/lang/StringCoding$ConverterSE
encode([CII)[B
java/lang/StringCoding$ConverterSE
<init>(Lsun/io/CharToByteConverter;Ljava/lang/String;Ljava/lang/StringCoding$1;)V
class java/lang/SuppressWarnings java/lang/Object
java/lang/SuppressWarnings value()[Ljava/lang/String;

class java/lang/ThreadLocal$1 java/lang/Object
class java/lang/TypeNotPresentException java/lang/RuntimeException
java/lang/TypeNotPresentException typeName
java/lang/TypeNotPresentException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/TypeNotPresentException typeName()Ljava/lang/String;
class java/lang/UnknownError java/lang/VirtualMachineError
java/lang/UnknownError <init>()V
java/lang/UnknownError <init>(Ljava/lang/String;)V
class java/lang/UnsupportedClassVersionError java/lang/ClassFormatError
java/lang/UnsupportedClassVersionError <init>()V
java/lang/UnsupportedClassVersionError <init>(Ljava/lang/String;)V
class java/lang/VerifyError java/lang/LinkageError
java/lang/VerifyError <init>()V
java/lang/VerifyError <init>(Ljava/lang/String;)V
class
java/lang/annotation/AnnotationFormatError java/lang/Error
java/lang/annotation/AnnotationFormatError <init>(Ljava/lang/String;)V
java/lang/annotation/AnnotationFormatError <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/annotation/AnnotationFormatError <init>(Ljava/lang/Throwable;)V
class java/lang/annotation/AnnotationTypeMismatchException java/lang/RuntimeException
java/lang/annotation/AnnotationTypeMismatchException element
java/lang/annotation/AnnotationTypeMismatchException foundType
java/lang/annotation/AnnotationTypeMismatchException <init>(Ljava/lang/reflect/Method;Ljava/lang/String;)V
java/lang/annotation/AnnotationTypeMismatchException element()Ljava/lang/reflect/Method;
java/lang/annotation/AnnotationTypeMismatchException foundType()Ljava/lang/String;
class java/lang/annotation/Documented java/lang/Object
class java/lang/annotation/ElementType java/lang/Enum
java/lang/annotation/ElementType TYPE
java/lang/annotation/ElementType FIELD
java/lang/annotation/ElementType
METHOD
java/lang/annotation/ElementType PARAMETER
java/lang/annotation/ElementType CONSTRUCTOR
java/lang/annotation/ElementType LOCAL_VARIABLE
java/lang/annotation/ElementType ANNOTATION_TYPE
java/lang/annotation/ElementType PACKAGE
java/lang/annotation/ElementType $VALUES
java/lang/annotation/ElementType values()[Ljava/lang/annotation/ElementType;
java/lang/annotation/ElementType valueOf(Ljava/lang/String;)Ljava/lang/annotation/ElementType;
java/lang/annotation/ElementType <init>(Ljava/lang/String;I)V
java/lang/annotation/ElementType <clinit>()V
class java/lang/annotation/IncompleteAnnotationException java/lang/RuntimeException
java/lang/annotation/IncompleteAnnotationException annotationType
java/lang/annotation/IncompleteAnnotationException elementName
java/lang/annotation/IncompleteAnnotationException <init>(Ljava/lang/Class;Ljava/lang/String;)V
java/lang/annotation/IncompleteAnnotationException annotationType()Ljava/lang/Class;
java/lang/annotation/IncompleteAnnotationException

elementName()Ljava/lang/String;
class java/lang/annotation/Inherited java/lang/Object
class java/lang/annotation/Retention java/lang/Object
java/lang/annotation/Retention value()Ljava/lang/annotation/RetentionPolicy;
class java/lang/annotation/RetentionPolicy java/lang/Enum
java/lang/annotation/RetentionPolicy SOURCE
java/lang/annotation/RetentionPolicy CLASS
java/lang/annotation/RetentionPolicy RUNTIME
java/lang/annotation/RetentionPolicy $VALUES
java/lang/annotation/RetentionPolicy values()[Ljava/lang/annotation/RetentionPolicy;
java/lang/annotation/RetentionPolicy valueOf(Ljava/lang/String;)Ljava/lang/annotation/RetentionPolicy;
java/lang/annotation/RetentionPolicy <init>(Ljava/lang/String;I)V
java/lang/annotation/RetentionPolicy <clinit>()V
class java/lang/annotation/Target java/lang/Object
java/lang/annotation/Target value()[Ljava/lang/annotation/ElementType;
class java/lang/instrument/ClassDefinition java/lang/Object
java/lang/instrument/ClassDefinition
mClass
java/lang/instrument/ClassDefinition mClassFile
java/lang/instrument/ClassDefinition <init>(Ljava/lang/Class;[B)V
java/lang/instrument/ClassDefinition getDefinitionClass()Ljava/lang/Class;
java/lang/instrument/ClassDefinition getDefinitionClassFile()[B
class java/lang/instrument/ClassFileTransformer java/lang/Object
java/lang/instrument/ClassFileTransformer
transform(Ljava/lang/ClassLoader;Ljava/lang/String;Ljava/lang/Class;Ljava/security/ProtectionDomain;[B)[B
class java/lang/instrument/IllegalClassFormatException java/lang/Exception
java/lang/instrument/IllegalClassFormatException <init>()V
java/lang/instrument/IllegalClassFormatException <init>(Ljava/lang/String;)V
class java/lang/instrument/Instrumentation java/lang/Object
java/lang/instrument/Instrumentation addTransformer(Ljava/lang/instrument/ClassFileTransformer;)V
java/lang/instrument/Instrumentation removeTransformer(Ljava/lang/instrument/ClassFileTransformer;)Z
java/lang/instrument/Instrumentation isRedefineClassesSupported()Z
java/lang/instrument/Instrumentation
redefineClasses([Ljava/lang/instrument/ClassDefinition;)V
java/lang/instrument/Instrumentation getAllLoadedClasses()[Ljava/lang/Class;
java/lang/instrument/Instrumentation getInitiatedClasses(Ljava/lang/ClassLoader;)[Ljava/lang/Class;
java/lang/instrument/Instrumentation getObjectSize(Ljava/lang/Object;)J
class java/lang/instrument/UnmodifiableClassException java/lang/Exception
java/lang/instrument/UnmodifiableClassException <init>()V
java/lang/instrument/UnmodifiableClassException <init>(Ljava/lang/String;)V
class java/lang/management/ClassLoadingMXBean java/lang/Object
java/lang/management/ClassLoadingMXBean getTotalLoadedClassCount()J
java/lang/management/ClassLoadingMXBean getLoadedClassCount()I
java/lang/management/ClassLoadingMXBean getUnloadedClassCount()J
java/lang/management/ClassLoadingMXBean isVerbose()Z
java/lang/management/ClassLoadingMXBean setVerbose(Z)V
class java/lang/management/CompilationMXBean java/lang/Object
java/lang/management/CompilationMXBean

getName()Ljava/lang/String;
java/lang/management/CompilationMXBean isCompilationTimeMonitoringSupported()Z
java/lang/management/CompilationMXBean getTotalCompilationTime()J
class java/lang/management/GarbageCollectorMXBean java/lang/Object
java/lang/management/GarbageCollectorMXBean getCollectionCount()J
java/lang/management/GarbageCollectorMXBean getCollectionTime()J
class java/lang/management/ManagementFactory$1 java/lang/Object
java/lang/management/ManagementFactory$1 val$interfaceClass
java/lang/management/ManagementFactory$1 <init>(Ljava/lang/Class;)V
java/lang/management/ManagementFactory$1 run()Ljava/lang/Object;
class java/lang/management/ManagementFactory java/lang/Object
java/lang/management/ManagementFactory CLASS_LOADING_MXBEAN_NAME
java/lang/management/ManagementFactory COMPILATION_MXBEAN_NAME
java/lang/management/ManagementFactory MEMORY_MXBEAN_NAME
java/lang/management/ManagementFactory OPERATING_SYSTEM_MXBEAN_NAME
java/lang/management/ManagementFactory
RUNTIME_MXBEAN_NAME
java/lang/management/ManagementFactory THREAD_MXBEAN_NAME
java/lang/management/ManagementFactory GARBAGE_COLLECTOR_MXBEAN_DOMAIN_TYPE
java/lang/management/ManagementFactory MEMORY_MANAGER_MXBEAN_DOMAIN_TYPE
java/lang/management/ManagementFactory MEMORY_POOL_MXBEAN_DOMAIN_TYPE
java/lang/management/ManagementFactory platformMBeanServer
java/lang/management/ManagementFactory NOTIF_EMITTER
java/lang/management/ManagementFactory <init>()V
java/lang/management/ManagementFactory
getClassLoadingMXBean()Ljava/lang/management/ClassLoadingMXBean;
java/lang/management/ManagementFactory getMemoryMXBean()Ljava/lang/management/MemoryMXBean;
java/lang/management/ManagementFactory getThreadMXBean()Ljava/lang/management/ThreadMXBean;
java/lang/management/ManagementFactory getRuntimeMXBean()Ljava/lang/management/RuntimeMXBean;
java/lang/management/ManagementFactory
getCompilationMXBean()Ljava/lang/management/CompilationMXBean;
java/lang/management/ManagementFactory
getOperatingSystemMXBean()Ljava/lang/management/OperatingSystemMXBean;
java/lang/management/ManagementFactory getMemoryPoolMXBeans()Ljava/util/List;
java/lang/management/ManagementFactory getMemoryManagerMXBeans()Ljava/util/List;
java/lang/management/ManagementFactory getGarbageCollectorMXBeans()Ljava/util/List;
java/lang/management/ManagementFactory getPlatformMBeanServer()Ljavax/management/MBeanServer;
java/lang/management/ManagementFactory
newPlatformMXBeanProxy(Ljavax/management/MBeanServerConnection;Ljava/lang/String;Ljava/lang/Class;)Lja
va/lang/Object;
class java/lang/management/ManagementPermission java/security/BasicPermission
java/lang/management/ManagementPermission <init>(Ljava/lang/String;)V
java/lang/management/ManagementPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/lang/management/MemoryMXBean java/lang/Object
java/lang/management/MemoryMXBean getObjectPendingFinalizationCount()I
java/lang/management/MemoryMXBean getHeapMemoryUsage()Ljava/lang/management/MemoryUsage;
java/lang/management/MemoryMXBean

getNonHeapMemoryUsage()Ljava/lang/management/MemoryUsage;
java/lang/management/MemoryMXBean isVerbose()Z
java/lang/management/MemoryMXBean setVerbose(Z)V
java/lang/management/MemoryMXBean gc()V
class java/lang/management/MemoryManagerMXBean java/lang/Object
java/lang/management/MemoryManagerMXBean getName()Ljava/lang/String;
java/lang/management/MemoryManagerMXBean isValid()Z
java/lang/management/MemoryManagerMXBean getMemoryPoolNames()[Ljava/lang/String;
class java/lang/management/MemoryNotificationInfo java/lang/Object
java/lang/management/MemoryNotificationInfo poolName
java/lang/management/MemoryNotificationInfo usage
java/lang/management/MemoryNotificationInfo count
java/lang/management/MemoryNotificationInfo MEMORY_THRESHOLD_EXCEEDED
java/lang/management/MemoryNotificationInfo MEMORY_COLLECTION_THRESHOLD_EXCEEDED
java/lang/management/MemoryNotificationInfo
<init>(Ljava/lang/String;Ljava/lang/management/MemoryUsage;J)V
java/lang/management/MemoryNotificationInfo
<init>(Ljavax/management/openmbean/CompositeData;)V
java/lang/management/MemoryNotificationInfo getPoolName()Ljava/lang/String;
java/lang/management/MemoryNotificationInfo getUsage()Ljava/lang/management/MemoryUsage;
java/lang/management/MemoryNotificationInfo getCount()J
java/lang/management/MemoryNotificationInfo
from(Ljavax/management/openmbean/CompositeData;)Ljava/lang/management/MemoryNotificationInfo;
class java/lang/management/MemoryPoolMXBean java/lang/Object
java/lang/management/MemoryPoolMXBean getName()Ljava/lang/String;
java/lang/management/MemoryPoolMXBean getType()Ljava/lang/management/MemoryType;
java/lang/management/MemoryPoolMXBean getUsage()Ljava/lang/management/MemoryUsage;
java/lang/management/MemoryPoolMXBean getPeakUsage()Ljava/lang/management/MemoryUsage;
java/lang/management/MemoryPoolMXBean resetPeakUsage()V
java/lang/management/MemoryPoolMXBean isValid()Z
java/lang/management/MemoryPoolMXBean getMemoryManagerNames()[Ljava/lang/String;
java/lang/management/MemoryPoolMXBean
getUsageThreshold()J
java/lang/management/MemoryPoolMXBean setUsageThreshold(J)V
java/lang/management/MemoryPoolMXBean isUsageThresholdExceeded()Z
java/lang/management/MemoryPoolMXBean getUsageThresholdCount()J
java/lang/management/MemoryPoolMXBean isUsageThresholdSupported()Z
java/lang/management/MemoryPoolMXBean getCollectionUsageThreshold()J
java/lang/management/MemoryPoolMXBean setCollectionUsageThreshold(J)V
java/lang/management/MemoryPoolMXBean isCollectionUsageThresholdExceeded()Z
java/lang/management/MemoryPoolMXBean getCollectionUsageThresholdCount()J
java/lang/management/MemoryPoolMXBean getCollectionUsage()Ljava/lang/management/MemoryUsage;
java/lang/management/MemoryPoolMXBean isCollectionUsageThresholdSupported()Z
class java/lang/management/MemoryType java/lang/Enum
java/lang/management/MemoryType HEAP
java/lang/management/MemoryType NON_HEAP
java/lang/management/MemoryType description
java/lang/management/MemoryType serialVersionUID

java/lang/management/MemoryType
$VALUES
java/lang/management/MemoryType values()[Ljava/lang/management/MemoryType;
java/lang/management/MemoryType valueOf(Ljava/lang/String;)Ljava/lang/management/MemoryType;
java/lang/management/MemoryType <init>(Ljava/lang/String;ILjava/lang/String;)V
java/lang/management/MemoryType toString()Ljava/lang/String;
java/lang/management/MemoryType <clinit>()V
class java/lang/management/OperatingSystemMXBean java/lang/Object
java/lang/management/OperatingSystemMXBean getName()Ljava/lang/String;
java/lang/management/OperatingSystemMXBean getArch()Ljava/lang/String;
java/lang/management/OperatingSystemMXBean getVersion()Ljava/lang/String;
java/lang/management/OperatingSystemMXBean getAvailableProcessors()I
class java/lang/management/RuntimeMXBean java/lang/Object
java/lang/management/RuntimeMXBean getName()Ljava/lang/String;
java/lang/management/RuntimeMXBean getVmName()Ljava/lang/String;
java/lang/management/RuntimeMXBean getVmVendor()Ljava/lang/String;
java/lang/management/RuntimeMXBean
getVmVersion()Ljava/lang/String;
java/lang/management/RuntimeMXBean getSpecName()Ljava/lang/String;
java/lang/management/RuntimeMXBean getSpecVendor()Ljava/lang/String;
java/lang/management/RuntimeMXBean getSpecVersion()Ljava/lang/String;
java/lang/management/RuntimeMXBean getManagementSpecVersion()Ljava/lang/String;
java/lang/management/RuntimeMXBean getClassPath()Ljava/lang/String;
java/lang/management/RuntimeMXBean getLibraryPath()Ljava/lang/String;
java/lang/management/RuntimeMXBean isBootClassPathSupported()Z
java/lang/management/RuntimeMXBean getBootClassPath()Ljava/lang/String;
java/lang/management/RuntimeMXBean getInputArguments()Ljava/util/List;
java/lang/management/RuntimeMXBean getUptime()J
java/lang/management/RuntimeMXBean getStartTime()J
java/lang/management/RuntimeMXBean getSystemProperties()Ljava/util/Map;
class java/lang/management/ThreadInfo java/lang/Object
java/lang/management/ThreadInfo threadName
java/lang/management/ThreadInfo
threadId
java/lang/management/ThreadInfo blockedTime
java/lang/management/ThreadInfo blockedCount
java/lang/management/ThreadInfo waitedTime
java/lang/management/ThreadInfo waitedCount
java/lang/management/ThreadInfo lockName
java/lang/management/ThreadInfo lockOwnerId
java/lang/management/ThreadInfo lockOwnerName
java/lang/management/ThreadInfo inNative
java/lang/management/ThreadInfo suspended
java/lang/management/ThreadInfo threadState
java/lang/management/ThreadInfo stackTrace
java/lang/management/ThreadInfo NO_STACK_TRACE
java/lang/management/ThreadInfo
<init>(Ljava/lang/Thread;ILjava/lang/Object;Ljava/lang/Thread;JJJJ[Ljava/lang/StackTraceElement;)V

java/lang/management/ThreadInfo <init>(Ljavax/management/openmbean/CompositeData;)V
java/lang/management/ThreadInfo getThreadId()J
java/lang/management/ThreadInfo getThreadName()Ljava/lang/String;
java/lang/management/ThreadInfo getThreadState()Ljava/lang/Thread$State;
java/lang/management/ThreadInfo getBlockedTime()J
java/lang/management/ThreadInfo
getBlockedCount()J
java/lang/management/ThreadInfo getWaitedTime()J
java/lang/management/ThreadInfo getWaitedCount()J
java/lang/management/ThreadInfo getLockName()Ljava/lang/String;
java/lang/management/ThreadInfo getLockOwnerId()J
java/lang/management/ThreadInfo getLockOwnerName()Ljava/lang/String;
java/lang/management/ThreadInfo getStackTrace()[Ljava/lang/StackTraceElement;
java/lang/management/ThreadInfo isSuspended()Z
java/lang/management/ThreadInfo isInNative()Z
java/lang/management/ThreadInfo toString()Ljava/lang/String;
java/lang/management/ThreadInfo
from(Ljavax/management/openmbean/CompositeData;)Ljava/lang/management/ThreadInfo;
java/lang/management/ThreadInfo <clinit>()V
class java/lang/management/ThreadMXBean java/lang/Object
java/lang/management/ThreadMXBean getThreadCount()I
java/lang/management/ThreadMXBean getPeakThreadCount()I
java/lang/management/ThreadMXBean getTotalStartedThreadCount()J
java/lang/management/ThreadMXBean getDaemonThreadCount()I
java/lang/management/ThreadMXBean
getAllThreadIds()[J
java/lang/management/ThreadMXBean getThreadInfo(J)Ljava/lang/management/ThreadInfo;
java/lang/management/ThreadMXBean getThreadInfo([J)[Ljava/lang/management/ThreadInfo;
java/lang/management/ThreadMXBean getThreadInfo(JI)Ljava/lang/management/ThreadInfo;
java/lang/management/ThreadMXBean getThreadInfo([JI)[Ljava/lang/management/ThreadInfo;
java/lang/management/ThreadMXBean isThreadContentionMonitoringSupported()Z
java/lang/management/ThreadMXBean isThreadContentionMonitoringEnabled()Z
java/lang/management/ThreadMXBean setThreadContentionMonitoringEnabled(Z)V
java/lang/management/ThreadMXBean getCurrentThreadCpuTime()J
java/lang/management/ThreadMXBean getCurrentThreadUserTime()J
java/lang/management/ThreadMXBean getThreadCpuTime(J)J
java/lang/management/ThreadMXBean getThreadUserTime(J)J
java/lang/management/ThreadMXBean isThreadCpuTimeSupported()Z
java/lang/management/ThreadMXBean isCurrentThreadCpuTimeSupported()Z
java/lang/management/ThreadMXBean
isThreadCpuTimeEnabled()Z
java/lang/management/ThreadMXBean setThreadCpuTimeEnabled(Z)V
java/lang/management/ThreadMXBean findMonitorDeadlockedThreads()[J
java/lang/management/ThreadMXBean resetPeakThreadCount()V
class java/lang/ref/Finalizer$1 java/lang/Object
java/lang/ref/Finalizer$1 val$proc
java/lang/ref/Finalizer$1 <init>(Ljava/lang/Runnable;)V
java/lang/ref/Finalizer$1 run()Ljava/lang/Object;

class java/lang/ref/Finalizer$2 java/lang/Object
java/lang/ref/Finalizer$2 <init>()V
java/lang/ref/Finalizer$2 run()V
class java/lang/ref/Finalizer$3 java/lang/Object
java/lang/ref/Finalizer$3 <init>()V
java/lang/ref/Finalizer$3 run()V
class java/lang/ref/Reference$1 java/lang/Object
class java/lang/ref/ReferenceQueue$1 java/lang/Object
class java/lang/reflect/GenericArrayType java/lang/Object
java/lang/reflect/GenericArrayType getGenericComponentType()Ljava/lang/reflect/Type;
class java/lang/reflect/GenericSignatureFormatError java/lang/ClassFormatError
java/lang/reflect/GenericSignatureFormatError
 <init>()V
class java/lang/reflect/MalformedParameterizedTypeException java/lang/RuntimeException
java/lang/reflect/MalformedParameterizedTypeException <init>()V
class java/lang/reflect/ParameterizedType java/lang/Object
java/lang/reflect/ParameterizedType getActualTypeArguments()[Ljava/lang/reflect/Type;
java/lang/reflect/ParameterizedType getRawType()Ljava/lang/reflect/Type;
java/lang/reflect/ParameterizedType getOwnerType()Ljava/lang/reflect/Type;
class java/lang/reflect/TypeVariable java/lang/Object
java/lang/reflect/TypeVariable getBounds()[Ljava/lang/reflect/Type;
java/lang/reflect/TypeVariable getGenericDeclaration()Ljava/lang/reflect/GenericDeclaration;
java/lang/reflect/TypeVariable getName()Ljava/lang/String;
class java/lang/reflect/WildcardType java/lang/Object
java/lang/reflect/WildcardType getUpperBounds()[Ljava/lang/reflect/Type;
java/lang/reflect/WildcardType getLowerBounds()[Ljava/lang/reflect/Type;
class java/math/BigDecimal java/lang/Number
java/math/BigDecimal
 intVal
java/math/BigDecimal scale
java/math/BigDecimal precision
java/math/BigDecimal stringCache
java/math/BigDecimal INFLATED
java/math/BigDecimal intCompact
java/math/BigDecimal MAX_COMPACT_DIGITS
java/math/BigDecimal MAX_BIGINT_BITS
java/math/BigDecimal serialVersionUID
java/math/BigDecimal zeroThroughTen
java/math/BigDecimal ZERO
java/math/BigDecimal ONE
java/math/BigDecimal TEN
java/math/BigDecimal ROUND_UP
java/math/BigDecimal ROUND_DOWN
java/math/BigDecimal ROUND_CEILING
java/math/BigDecimal ROUND_FLOOR
java/math/BigDecimal ROUND_HALF_UP
java/math/BigDecimal ROUND_HALF_DOWN
java/math/BigDecimal ROUND_HALF_EVEN

java/math/BigDecimal ROUND_UNNECESSARY
java/math/BigDecimal LONGMIN
java/math/BigDecimal LONGMAX
java/math/BigDecimal TENPOWERS
java/math/BigDecimal thresholds
java/math/BigDecimal ilogTable
java/math/BigDecimal $assertionsDisabled
java/math/BigDecimal <init>([CII)V
java/math/BigDecimal <init>([CIILjava/math/MathContext;)V
java/math/BigDecimal <init>([C)V
java/math/BigDecimal
<init>([CLjava/math/MathContext;)V
java/math/BigDecimal <init>(Ljava/lang/String;)V
java/math/BigDecimal <init>(Ljava/lang/String;Ljava/math/MathContext;)V
java/math/BigDecimal <init>(D)V
java/math/BigDecimal <init>(DLjava/math/MathContext;)V
java/math/BigDecimal <init>(Ljava/math/BigInteger;)V
java/math/BigDecimal <init>(Ljava/math/BigInteger;Ljava/math/MathContext;)V
java/math/BigDecimal <init>(Ljava/math/BigInteger;I)V
java/math/BigDecimal <init>(Ljava/math/BigInteger;ILjava/math/MathContext;)V
java/math/BigDecimal <init>(I)V
java/math/BigDecimal <init>(ILjava/math/MathContext;)V
java/math/BigDecimal <init>(J)V
java/math/BigDecimal <init>(JLjava/math/MathContext;)V
java/math/BigDecimal <init>(JI)V
java/math/BigDecimal <init>(Ljava/math/BigInteger;JI)V
java/math/BigDecimal valueOf(JI)Ljava/math/BigDecimal;
java/math/BigDecimal valueOf(J)Ljava/math/BigDecimal;
java/math/BigDecimal valueOf(D)Ljava/math/BigDecimal;
java/math/BigDecimal add(Ljava/math/BigDecimal;)Ljava/math/BigDecimal;
java/math/BigDecimal
add(Ljava/math/BigDecimal;Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal
preAlign(Ljava/math/BigDecimal;Ljava/math/BigDecimal;JLjava/math/MathContext;)[Ljava/math/BigDecimal;
java/math/BigDecimal subtract(Ljava/math/BigDecimal;)Ljava/math/BigDecimal;
java/math/BigDecimal subtract(Ljava/math/BigDecimal;Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal multiply(Ljava/math/BigDecimal;)Ljava/math/BigDecimal;
java/math/BigDecimal multiply(Ljava/math/BigDecimal;Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal divide(Ljava/math/BigDecimal;II)Ljava/math/BigDecimal;
java/math/BigDecimal divide(Ljava/math/BigDecimal;ILjava/math/RoundingMode;)Ljava/math/BigDecimal;
java/math/BigDecimal divide(Ljava/math/BigDecimal;I)Ljava/math/BigDecimal;
java/math/BigDecimal divide(Ljava/math/BigDecimal;Ljava/math/RoundingMode;)Ljava/math/BigDecimal;
java/math/BigDecimal divide(Ljava/math/BigDecimal;)Ljava/math/BigDecimal;
java/math/BigDecimal
divide(Ljava/math/BigDecimal;Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal divideToIntegralValue(Ljava/math/BigDecimal;)Ljava/math/BigDecimal;
java/math/BigDecimal
divideToIntegralValue(Ljava/math/BigDecimal;Ljava/math/MathContext;)Ljava/math/BigDecimal;

java/math/BigDecimal remainder(Ljava/math/BigDecimal;)Ljava/math/BigDecimal;
java/math/BigDecimal remainder(Ljava/math/BigDecimal;Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal divideAndRemainder(Ljava/math/BigDecimal;)[Ljava/math/BigDecimal;
java/math/BigDecimal
divideAndRemainder(Ljava/math/BigDecimal;Ljava/math/MathContext;)[Ljava/math/BigDecimal;
java/math/BigDecimal pow(I)Ljava/math/BigDecimal;
java/math/BigDecimal pow(ILjava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal abs()Ljava/math/BigDecimal;
java/math/BigDecimal abs(Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal negate()Ljava/math/BigDecimal;
java/math/BigDecimal
negate(Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal plus()Ljava/math/BigDecimal;
java/math/BigDecimal plus(Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal signum()I
java/math/BigDecimal scale()I
java/math/BigDecimal precision()I
java/math/BigDecimal unscaledValue()Ljava/math/BigInteger;
java/math/BigDecimal round(Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal setScale(ILjava/math/RoundingMode;)Ljava/math/BigDecimal;
java/math/BigDecimal setScale(II)Ljava/math/BigDecimal;
java/math/BigDecimal setScale(I)Ljava/math/BigDecimal;
java/math/BigDecimal movePointLeft(I)Ljava/math/BigDecimal;
java/math/BigDecimal movePointRight(I)Ljava/math/BigDecimal;
java/math/BigDecimal scaleByPowerOfTen(I)Ljava/math/BigDecimal;
java/math/BigDecimal stripTrailingZeros()Ljava/math/BigDecimal;
java/math/BigDecimal compareTo(Ljava/math/BigDecimal;)I
java/math/BigDecimal equals(Ljava/lang/Object;)Z
java/math/BigDecimal min(Ljava/math/BigDecimal;)Ljava/math/BigDecimal;
java/math/BigDecimal
max(Ljava/math/BigDecimal;)Ljava/math/BigDecimal;
java/math/BigDecimal hashCode()I
java/math/BigDecimal toString()Ljava/lang/String;
java/math/BigDecimal toEngineeringString()Ljava/lang/String;
java/math/BigDecimal toPlainString()Ljava/lang/String;
java/math/BigDecimal getValueString(ILjava/lang/String;I)Ljava/lang/String;
java/math/BigDecimal toBigInteger()Ljava/math/BigInteger;
java/math/BigDecimal toBigIntegerExact()Ljava/math/BigInteger;
java/math/BigDecimal longValue()J
java/math/BigDecimal longValueExact()J
java/math/BigDecimal intValue()I
java/math/BigDecimal intValueExact()I
java/math/BigDecimal shortValueExact()S
java/math/BigDecimal byteValueExact()B
java/math/BigDecimal floatValue()F
java/math/BigDecimal doubleValue()D
java/math/BigDecimal ulp()Ljava/math/BigDecimal;
java/math/BigDecimal layoutChars(Z)Ljava/lang/String;

java/math/BigDecimal tenToThe(I)Ljava/math/BigInteger;
java/math/BigDecimal longTenToThe(JI)J
java/math/BigDecimal
 compactLong(J)Z
java/math/BigDecimal inflate()Ljava/math/BigDecimal;
java/math/BigDecimal matchScale([Ljava/math/BigDecimal;)V
java/math/BigDecimal readObject(Ljava/io/ObjectInputStream;)V
java/math/BigDecimal writeObject(Ljava/io/ObjectOutputStream;)V
java/math/BigDecimal digitLength()I
java/math/BigDecimal intLength(I)I
java/math/BigDecimal stripZerosToMatchScale(J)Ljava/math/BigDecimal;
java/math/BigDecimal checkScale(J)I
java/math/BigDecimal roundOp(Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal roundThis(Ljava/math/MathContext;)V
java/math/BigDecimal doRound(Ljava/math/MathContext;)Ljava/math/BigDecimal;
java/math/BigDecimal dropDigits(Ljava/math/MathContext;I)Ljava/math/BigDecimal;
java/math/BigDecimal longCompareTo(JJ)I
java/math/BigDecimal print(Ljava/lang/String;Ljava/math/BigDecimal;)V
java/math/BigDecimal audit()Ljava/math/BigDecimal;
java/math/BigDecimal compareTo(Ljava/lang/Object;)I
java/math/BigDecimal <clinit>()V
class java/math/BitSieve java/lang/Object
java/math/BitSieve
 bits
java/math/BitSieve length
java/math/BitSieve smallSieve
java/math/BitSieve <init>()V
java/math/BitSieve <init>(Ljava/math/BigInteger;I)V
java/math/BitSieve unitIndex(I)I
java/math/BitSieve bit(I)J
java/math/BitSieve get(I)Z
java/math/BitSieve set(I)V
java/math/BitSieve sieveSearch(II)I
java/math/BitSieve sieveSingle(III)V
java/math/BitSieve retrieve(Ljava/math/BigInteger;I)Ljava/math/BigInteger;
java/math/BitSieve <clinit>()V
class java/math/MathContext java/lang/Object
java/math/MathContext DEFAULT_DIGITS
java/math/MathContext DEFAULT_ROUNDINGMODE
java/math/MathContext MIN_DIGITS
java/math/MathContext serialVersionUID
java/math/MathContext UNLIMITED
java/math/MathContext DECIMAL32
java/math/MathContext DECIMAL64
java/math/MathContext DECIMAL128
java/math/MathContext precision
java/math/MathContext roundingMode
java/math/MathContext roundingMax

java/math/MathContext roundingMin
java/math/MathContext MAX_LOOKASIDE
java/math/MathContext <init>(I)V
java/math/MathContext
<init>(ILjava/math/RoundingMode;)V
java/math/MathContext <init>(Ljava/lang/String;)V
java/math/MathContext getPrecision()I
java/math/MathContext getRoundingMode()Ljava/math/RoundingMode;
java/math/MathContext equals(Ljava/lang/Object;)Z
java/math/MathContext hashCode()I
java/math/MathContext toString()Ljava/lang/String;
java/math/MathContext readObject(Ljava/io/ObjectInputStream;)V
java/math/MathContext <clinit>()V
class java/math/RoundingMode java/lang/Enum
java/math/RoundingMode UP
java/math/RoundingMode DOWN
java/math/RoundingMode CEILING
java/math/RoundingMode FLOOR
java/math/RoundingMode HALF_UP
java/math/RoundingMode HALF_DOWN
java/math/RoundingMode HALF_EVEN
java/math/RoundingMode UNNECESSARY
java/math/RoundingMode oldMode
java/math/RoundingMode $VALUES
java/math/RoundingMode values()[Ljava/math/RoundingMode;
java/math/RoundingMode valueOf(Ljava/lang/String;)Ljava/math/RoundingMode;
java/math/RoundingMode <init>(Ljava/lang/String;II)V
java/math/RoundingMode valueOf(I)Ljava/math/RoundingMode;
java/math/RoundingMode
<clinit>()V
class java/net/Authenticator$RequestorType java/lang/Enum
java/net/Authenticator$RequestorType PROXY
java/net/Authenticator$RequestorType SERVER
java/net/Authenticator$RequestorType $VALUES
java/net/Authenticator$RequestorType values()[Ljava/net/Authenticator$RequestorType;
java/net/Authenticator$RequestorType valueOf(Ljava/lang/String;)Ljava/net/Authenticator$RequestorType;
java/net/Authenticator$RequestorType <init>(Ljava/lang/String;I)V
java/net/Authenticator$RequestorType <clinit>()V
class java/net/CacheRequest java/lang/Object
java/net/CacheRequest <init>()V
java/net/CacheRequest getBody()Ljava/io/OutputStream;
java/net/CacheRequest abort()V
class java/net/CacheResponse java/lang/Object
java/net/CacheResponse <init>()V
java/net/CacheResponse getHeaders()Ljava/util/Map;
java/net/CacheResponse getBody()Ljava/io/InputStream;
class java/net/ContentHandlerFactory java/lang/Object
java/net/ContentHandlerFactory createContentHandler(Ljava/lang/String;)Ljava/net/ContentHandler;

class
java/net/DatagramSocket$1 java/lang/Object
java/net/DatagramSocket$1 this$0
java/net/DatagramSocket$1 <init>(Ljava/net/DatagramSocket;)V
java/net/DatagramSocket$1 run()Ljava/lang/Object;
class java/net/DatagramSocketImplFactory java/lang/Object
java/net/DatagramSocketImplFactory createDatagramSocketImpl()Ljava/net/DatagramSocketImpl;
class java/net/FactoryURLClassLoader java/net/URLClassLoader
java/net/FactoryURLClassLoader <init>([Ljava/net/URL;Ljava/lang/ClassLoader;)V
java/net/FactoryURLClassLoader <init>([Ljava/net/URL;)V
java/net/FactoryURLClassLoader loadClass(Ljava/lang/String;Z)Ljava/lang/Class;
class java/net/HttpRetryException java/io/IOException
java/net/HttpRetryException responseCode
java/net/HttpRetryException location
java/net/HttpRetryException <init>(Ljava/lang/String;I)V
java/net/HttpRetryException <init>(Ljava/lang/String;ILjava/lang/String;)V
java/net/HttpRetryException responseCode()I
java/net/HttpRetryException
getReason()Ljava/lang/String;
java/net/HttpRetryException getLocation()Ljava/lang/String;
class java/net/Inet6AddressImpl java/lang/Object
java/net/Inet6AddressImpl anyLocalAddress
java/net/Inet6AddressImpl loopbackAddress
java/net/Inet6AddressImpl <init>()V
java/net/Inet6AddressImpl getLocalHostName()Ljava/lang/String;
java/net/Inet6AddressImpl lookupAllHostAddr(Ljava/lang/String;)[[B
java/net/Inet6AddressImpl getHostByAddr([B)Ljava/lang/String;
java/net/Inet6AddressImpl isReachable0([BII[BII)Z
java/net/Inet6AddressImpl isReachable(Ljava/net/InetAddress;ILjava/net/NetworkInterface;I)Z
java/net/Inet6AddressImpl anyLocalAddress()Ljava/net/InetAddress;
java/net/Inet6AddressImpl loopbackAddress()Ljava/net/InetAddress;
class java/net/InetAddress$2 java/lang/Object
java/net/InetAddress$2 val$providerName
java/net/InetAddress$2 <init>(Ljava/lang/String;)V
java/net/InetAddress$2 run()Ljava/lang/Object;
class java/net/InetAddressContainer java/lang/Object
java/net/InetAddressContainer addr
java/net/InetAddressContainer
<init>()V
class java/net/NetworkInterface$1 java/lang/Object
java/net/NetworkInterface$1 i
java/net/NetworkInterface$1 val$netifs
java/net/NetworkInterface$1 <init>([Ljava/net/NetworkInterface;)V
java/net/NetworkInterface$1 nextElement()Ljava/net/NetworkInterface;
java/net/NetworkInterface$1 hasMoreElements()Z
java/net/NetworkInterface$1 nextElement()Ljava/lang/Object;
class java/net/NetworkInterface$1checkedAddresses java/lang/Object
java/net/NetworkInterface$1checkedAddresses i

java/net/NetworkInterface$1checkedAddresses count
java/net/NetworkInterface$1checkedAddresses local_addrs
java/net/NetworkInterface$1checkedAddresses this$0
java/net/NetworkInterface$1checkedAddresses <init>(Ljava/net/NetworkInterface;)V
java/net/NetworkInterface$1checkedAddresses nextElement()Ljava/net/InetAddress;
java/net/NetworkInterface$1checkedAddresses hasMoreElements()Z
java/net/NetworkInterface$1checkedAddresses nextElement()Ljava/lang/Object;
class java/net/NetworkInterface
 java/lang/Object
java/net/NetworkInterface name
java/net/NetworkInterface displayName
java/net/NetworkInterface index
java/net/NetworkInterface addrs
java/net/NetworkInterface <init>()V
java/net/NetworkInterface <init>(Ljava/lang/String;I[Ljava/net/InetAddress;)V
java/net/NetworkInterface getName()Ljava/lang/String;
java/net/NetworkInterface getInetAddresses()Ljava/util/Enumeration;
java/net/NetworkInterface getIndex()I
java/net/NetworkInterface getDisplayName()Ljava/lang/String;
java/net/NetworkInterface getByName(Ljava/lang/String;)Ljava/net/NetworkInterface;
java/net/NetworkInterface getByIndex(I)Ljava/net/NetworkInterface;
java/net/NetworkInterface getByInetAddress(Ljava/net/InetAddress;)Ljava/net/NetworkInterface;
java/net/NetworkInterface getNetworkInterfaces()Ljava/util/Enumeration;
java/net/NetworkInterface getAll()[Ljava/net/NetworkInterface;
java/net/NetworkInterface getByName0(Ljava/lang/String;)Ljava/net/NetworkInterface;
java/net/NetworkInterface getByInetAddress0(Ljava/net/InetAddress;)Ljava/net/NetworkInterface;
java/net/NetworkInterface
 equals(Ljava/lang/Object;)Z
java/net/NetworkInterface hashCode()I
java/net/NetworkInterface toString()Ljava/lang/String;
java/net/NetworkInterface init()V
java/net/NetworkInterface access$000(Ljava/net/NetworkInterface;)[Ljava/net/InetAddress;
java/net/NetworkInterface <clinit>()V
class java/net/PasswordAuthentication java/lang/Object
java/net/PasswordAuthentication userName
java/net/PasswordAuthentication password
java/net/PasswordAuthentication <init>(Ljava/lang/String;[C)V
java/net/PasswordAuthentication getUserName()Ljava/lang/String;
java/net/PasswordAuthentication getPassword()[C
class java/net/PortUnreachableException java/net/SocketException
java/net/PortUnreachableException <init>(Ljava/lang/String;)V
java/net/PortUnreachableException <init>()V
class java/net/ProtocolException java/io/IOException
java/net/ProtocolException <init>(Ljava/lang/String;)V
java/net/ProtocolException <init>()V
class java/net/SecureCacheResponse
 java/net/CacheResponse
java/net/SecureCacheResponse <init>()V

java/net/SecureCacheResponse getCipherSuite()Ljava/lang/String;
java/net/SecureCacheResponse getLocalCertificateChain()Ljava/util/List;
java/net/SecureCacheResponse getServerCertificateChain()Ljava/util/List;
java/net/SecureCacheResponse getPeerPrincipal()Ljava/security/Principal;
java/net/SecureCacheResponse getLocalPrincipal()Ljava/security/Principal;
class java/net/ServerSocket$1 java/lang/Object
java/net/ServerSocket$1 this$0
java/net/ServerSocket$1 <init>(Ljava/net/ServerSocket;)V
java/net/ServerSocket$1 run()Ljava/lang/Object;
class java/net/Socket$1 java/lang/Object
java/net/Socket$1 this$0
java/net/Socket$1 <init>(Ljava/net/Socket;)V
java/net/Socket$1 run()Ljava/lang/Boolean;
java/net/Socket$1 run()Ljava/lang/Object;
class java/net/Socket$2 java/lang/Object
java/net/Socket$2 this$0
java/net/Socket$2 <init>(Ljava/net/Socket;)V
java/net/Socket$2 run()Ljava/lang/Object;
class java/net/Socket$3 java/lang/Object
java/net/Socket$3
 this$0
java/net/Socket$3 <init>(Ljava/net/Socket;)V
java/net/Socket$3 run()Ljava/lang/Object;
class java/net/SocketInputStream java/io/FileInputStream
java/net/SocketInputStream eof
java/net/SocketInputStream impl
java/net/SocketInputStream temp
java/net/SocketInputStream socket
java/net/SocketInputStream closing
java/net/SocketInputStream <init>(Ljava/net/PlainSocketImpl;)V
java/net/SocketInputStream getChannel()Ljava/nio/channels/FileChannel;
java/net/SocketInputStream socketRead0(Ljava/io/FileDescriptor;[BIII)I
java/net/SocketInputStream read([B)I
java/net/SocketInputStream read([BII)I
java/net/SocketInputStream read()I
java/net/SocketInputStream skip(J)J
java/net/SocketInputStream available()I
java/net/SocketInputStream close()V
java/net/SocketInputStream setEOF(Z)V
java/net/SocketInputStream finalize()V
java/net/SocketInputStream init()V
java/net/SocketInputStream <clinit>()V
class java/net/SocketOutputStream java/io/FileOutputStream
java/net/SocketOutputStream
 impl
java/net/SocketOutputStream temp
java/net/SocketOutputStream socket
java/net/SocketOutputStream closing

java/net/SocketOutputStream <init>(Ljava/net/PlainSocketImpl;)V
java/net/SocketOutputStream getChannel()Ljava/nio/channels/FileChannel;
java/net/SocketOutputStream socketWrite0(Ljava/io/FileDescriptor;[BII)V
java/net/SocketOutputStream socketWrite([BII)V
java/net/SocketOutputStream write(I)V
java/net/SocketOutputStream write([B)V
java/net/SocketOutputStream write([BII)V
java/net/SocketOutputStream close()V
java/net/SocketOutputStream finalize()V
java/net/SocketOutputStream init()V
java/net/SocketOutputStream <clinit>()V
class java/net/SocksSocketImpl$1 java/lang/Object
java/net/SocksSocketImpl$1 val$host
java/net/SocksSocketImpl$1 val$port
java/net/SocksSocketImpl$1 val$timeout
java/net/SocksSocketImpl$1 this$0
java/net/SocksSocketImpl$1 <init>(Ljava/net/SocksSocketImpl;Ljava/lang/String;II)V
java/net/SocksSocketImpl$1 run()Ljava/lang/Object;
class java/net/SocksSocketImpl$2
 java/lang/Object
java/net/SocksSocketImpl$2 val$addr
java/net/SocksSocketImpl$2 this$0
java/net/SocksSocketImpl$2 <init>(Ljava/net/SocksSocketImpl;Ljava/net/InetAddress;)V
java/net/SocksSocketImpl$2 run()Ljava/lang/Object;
class java/net/SocksSocketImpl$3 java/lang/Object
java/net/SocksSocketImpl$3 val$prefs
java/net/SocksSocketImpl$3 this$0
java/net/SocksSocketImpl$3 <init>(Ljava/net/SocksSocketImpl;Ljava/util/prefs/Preferences;)V
java/net/SocksSocketImpl$3 run()Ljava/lang/Object;
class java/net/SocksSocketImpl$4 java/lang/Object
java/net/SocksSocketImpl$4 val$prefs
java/net/SocksSocketImpl$4 this$0
java/net/SocksSocketImpl$4 <init>(Ljava/net/SocksSocketImpl;Ljava/util/prefs/Preferences;)V
java/net/SocksSocketImpl$4 run()Ljava/lang/Object;
class java/net/SocksSocketImpl$6 java/lang/Object
java/net/SocksSocketImpl$6 this$0
java/net/SocksSocketImpl$6 <init>(Ljava/net/SocksSocketImpl;)V
java/net/SocksSocketImpl$6 run()Ljava/lang/Object;
class java/net/SocksSocketImpl$7 java/lang/Object
java/net/SocksSocketImpl$7
 this$0
java/net/SocksSocketImpl$7 <init>(Ljava/net/SocksSocketImpl;)V
java/net/SocksSocketImpl$7 run()Ljava/lang/Object;
class java/net/SocksSocketImpl$8 java/lang/Object
java/net/SocksSocketImpl$8 this$0
java/net/SocksSocketImpl$8 <init>(Ljava/net/SocksSocketImpl;)V
java/net/SocksSocketImpl$8 run()Ljava/lang/Object;
class java/net/URLClassLoader$4 java/lang/Object

java/net/URLClassLoader$4 val$sm
java/net/URLClassLoader$4 val$fp
java/net/URLClassLoader$4 this$0
java/net/URLClassLoader$4
<init>(Ljava/net/URLClassLoader;Ljava/lang/SecurityManager;Ljava/security/Permission;)V
java/net/URLClassLoader$4 run()Ljava/lang/Object;
class java/net/URLClassLoader$5 java/lang/Object
java/net/URLClassLoader$5 val$urls
java/net/URLClassLoader$5 val$parent
java/net/URLClassLoader$5 <init>([Ljava/net/URL;Ljava/lang/ClassLoader;)V
java/net/URLClassLoader$5 run()Ljava/lang/Object;
class java/net/URLClassLoader$6 java/lang/Object
java/net/URLClassLoader$6 val$urls
java/net/URLClassLoader$6
 <init>([Ljava/net/URL;)V
java/net/URLClassLoader$6 run()Ljava/lang/Object;
class java/net/URLDecoder java/lang/Object
java/net/URLDecoder dfltEncName
java/net/URLDecoder <init>()V
java/net/URLDecoder decode(Ljava/lang/String;)Ljava/lang/String;
java/net/URLDecoder decode(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/net/URLDecoder <clinit>()V
class java/net/URLEncoder java/lang/Object
java/net/URLEncoder dontNeedEncoding
java/net/URLEncoder caseDiff
java/net/URLEncoder dfltEncName
java/net/URLEncoder <init>()V
java/net/URLEncoder encode(Ljava/lang/String;)Ljava/lang/String;
java/net/URLEncoder encode(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/net/URLEncoder <clinit>()V
class java/nio/BufferOverflowException java/lang/RuntimeException
java/nio/BufferOverflowException <init>()V
class java/nio/BufferUnderflowException java/lang/RuntimeException
java/nio/BufferUnderflowException <init>()V
class java/nio/ByteBufferAsCharBufferL java/nio/CharBuffer
java/nio/ByteBufferAsCharBufferL
 bb
java/nio/ByteBufferAsCharBufferL offset
java/nio/ByteBufferAsCharBufferL $assertionsDisabled
java/nio/ByteBufferAsCharBufferL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsCharBufferL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsCharBufferL slice()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferL duplicate()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferL asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferL ix(I)I
java/nio/ByteBufferAsCharBufferL get()C
java/nio/ByteBufferAsCharBufferL get(I)C
java/nio/ByteBufferAsCharBufferL put(C)Ljava/nio/CharBuffer;

java/nio/ByteBufferAsCharBufferL put(IC)Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferL compact()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferL isDirect()Z
java/nio/ByteBufferAsCharBufferL isReadOnly()Z
java/nio/ByteBufferAsCharBufferL toString(II)Ljava/lang/String;
java/nio/ByteBufferAsCharBufferL subSequence(II)Ljava/lang/CharSequence;
java/nio/ByteBufferAsCharBufferL
 order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsCharBufferL <clinit>()V
class java/nio/ByteBufferAsCharBufferRB java/nio/ByteBufferAsCharBufferB
java/nio/ByteBufferAsCharBufferRB $assertionsDisabled
java/nio/ByteBufferAsCharBufferRB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsCharBufferRB <init>(Ljava/nio/ByteBuffer;IIII)V
java/nio/ByteBufferAsCharBufferRB slice()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRB duplicate()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRB asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRB put(C)Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRB put(IC)Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRB compact()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRB isDirect()Z
java/nio/ByteBufferAsCharBufferRB isReadOnly()Z
java/nio/ByteBufferAsCharBufferRB toString(II)Ljava/lang/String;
java/nio/ByteBufferAsCharBufferRB subSequence(II)Ljava/lang/CharSequence;
java/nio/ByteBufferAsCharBufferRB
 order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsCharBufferRB <clinit>()V
class java/nio/ByteBufferAsCharBufferRL java/nio/ByteBufferAsCharBufferL
java/nio/ByteBufferAsCharBufferRL $assertionsDisabled
java/nio/ByteBufferAsCharBufferRL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsCharBufferRL <init>(Ljava/nio/ByteBuffer;IIII)V
java/nio/ByteBufferAsCharBufferRL slice()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRL duplicate()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRL asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRL put(C)Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRL put(IC)Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRL compact()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferRL isDirect()Z
java/nio/ByteBufferAsCharBufferRL isReadOnly()Z
java/nio/ByteBufferAsCharBufferRL toString(II)Ljava/lang/String;
java/nio/ByteBufferAsCharBufferRL subSequence(II)Ljava/lang/CharSequence;
java/nio/ByteBufferAsCharBufferRL
 order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsCharBufferRL <clinit>()V
class java/nio/ByteBufferAsDoubleBufferB java/nio/DoubleBuffer
java/nio/ByteBufferAsDoubleBufferB bb
java/nio/ByteBufferAsDoubleBufferB offset
java/nio/ByteBufferAsDoubleBufferB $assertionsDisabled
java/nio/ByteBufferAsDoubleBufferB <init>(Ljava/nio/ByteBuffer;)V

java/nio/ByteBufferAsDoubleBufferB <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsDoubleBufferB slice()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferB duplicate()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferB asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferB ix(I)I
java/nio/ByteBufferAsDoubleBufferB get()D
java/nio/ByteBufferAsDoubleBufferB get(I)D
java/nio/ByteBufferAsDoubleBufferB put(D)Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferB put(ID)Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferB compact()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferB
isDirect()Z
java/nio/ByteBufferAsDoubleBufferB isReadOnly()Z
java/nio/ByteBufferAsDoubleBufferB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsDoubleBufferB <clinit>()V
class java/nio/ByteBufferAsDoubleBufferL java/nio/DoubleBuffer
java/nio/ByteBufferAsDoubleBufferL bb
java/nio/ByteBufferAsDoubleBufferL offset
java/nio/ByteBufferAsDoubleBufferL $assertionsDisabled
java/nio/ByteBufferAsDoubleBufferL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsDoubleBufferL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsDoubleBufferL slice()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferL duplicate()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferL asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferL ix(I)I
java/nio/ByteBufferAsDoubleBufferL get()D
java/nio/ByteBufferAsDoubleBufferL get(I)D
java/nio/ByteBufferAsDoubleBufferL put(D)Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferL put(ID)Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferL
compact()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferL isDirect()Z
java/nio/ByteBufferAsDoubleBufferL isReadOnly()Z
java/nio/ByteBufferAsDoubleBufferL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsDoubleBufferL <clinit>()V
class java/nio/ByteBufferAsDoubleBufferRB java/nio/ByteBufferAsDoubleBufferB
java/nio/ByteBufferAsDoubleBufferRB $assertionsDisabled
java/nio/ByteBufferAsDoubleBufferRB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsDoubleBufferRB <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsDoubleBufferRB slice()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRB duplicate()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRB asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRB put(D)Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRB put(ID)Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRB compact()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRB isDirect()Z
java/nio/ByteBufferAsDoubleBufferRB

isReadOnly()Z
java/nio/ByteBufferAsDoubleBufferRB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsDoubleBufferRB <clinit>()V
class java/nio/ByteBufferAsDoubleBufferRL java/nio/ByteBufferAsDoubleBufferL
java/nio/ByteBufferAsDoubleBufferRL $assertionsDisabled
java/nio/ByteBufferAsDoubleBufferRL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsDoubleBufferRL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsDoubleBufferRL slice()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRL duplicate()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRL asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRL put(D)Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRL put(ID)Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRL compact()Ljava/nio/DoubleBuffer;
java/nio/ByteBufferAsDoubleBufferRL isDirect()Z
java/nio/ByteBufferAsDoubleBufferRL isReadOnly()Z
java/nio/ByteBufferAsDoubleBufferRL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsDoubleBufferRL
<clinit>()V
class java/nio/ByteBufferAsFloatBufferB java/nio/FloatBuffer
java/nio/ByteBufferAsFloatBufferB bb
java/nio/ByteBufferAsFloatBufferB offset
java/nio/ByteBufferAsFloatBufferB $assertionsDisabled
java/nio/ByteBufferAsFloatBufferB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsFloatBufferB <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsFloatBufferB slice()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferB duplicate()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferB asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferB ix(I)I
java/nio/ByteBufferAsFloatBufferB get()F
java/nio/ByteBufferAsFloatBufferB get(I)F
java/nio/ByteBufferAsFloatBufferB put(F)Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferB put(IF)Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferB compact()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferB isDirect()Z
java/nio/ByteBufferAsFloatBufferB
isReadOnly()Z
java/nio/ByteBufferAsFloatBufferB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsFloatBufferB <clinit>()V
class java/nio/ByteBufferAsFloatBufferL java/nio/FloatBuffer
java/nio/ByteBufferAsFloatBufferL bb
java/nio/ByteBufferAsFloatBufferL offset
java/nio/ByteBufferAsFloatBufferL $assertionsDisabled
java/nio/ByteBufferAsFloatBufferL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsFloatBufferL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsFloatBufferL slice()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferL duplicate()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferL asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferL ix(I)I

java/nio/ByteBufferAsFloatBufferL get()F
java/nio/ByteBufferAsFloatBufferL get(I)F
java/nio/ByteBufferAsFloatBufferL put(F)Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferL put(IF)Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferL compact()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferL
 isDirect()Z
java/nio/ByteBufferAsFloatBufferL isReadOnly()Z
java/nio/ByteBufferAsFloatBufferL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsFloatBufferL <clinit>()V
class java/nio/ByteBufferAsFloatBufferRB java/nio/ByteBufferAsFloatBufferB
java/nio/ByteBufferAsFloatBufferRB $assertionsDisabled
java/nio/ByteBufferAsFloatBufferRB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsFloatBufferRB <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsFloatBufferRB slice()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRB duplicate()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRB asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRB put(F)Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRB put(IF)Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRB compact()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRB isDirect()Z
java/nio/ByteBufferAsFloatBufferRB isReadOnly()Z
java/nio/ByteBufferAsFloatBufferRB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsFloatBufferRB
 <clinit>()V
class java/nio/ByteBufferAsFloatBufferRL java/nio/ByteBufferAsFloatBufferL
java/nio/ByteBufferAsFloatBufferRL $assertionsDisabled
java/nio/ByteBufferAsFloatBufferRL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsFloatBufferRL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsFloatBufferRL slice()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRL duplicate()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRL asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRL put(F)Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRL put(IF)Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRL compact()Ljava/nio/FloatBuffer;
java/nio/ByteBufferAsFloatBufferRL isDirect()Z
java/nio/ByteBufferAsFloatBufferRL isReadOnly()Z
java/nio/ByteBufferAsFloatBufferRL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsFloatBufferRL <clinit>()V
class java/nio/ByteBufferAsIntBufferL java/nio/IntBuffer
java/nio/ByteBufferAsIntBufferL
 bb
java/nio/ByteBufferAsIntBufferL offset
java/nio/ByteBufferAsIntBufferL $assertionsDisabled
java/nio/ByteBufferAsIntBufferL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsIntBufferL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsIntBufferL slice()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferL duplicate()Ljava/nio/IntBuffer;

java/nio/ByteBufferAsIntBufferL asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferL ix(I)I
java/nio/ByteBufferAsIntBufferL get()I
java/nio/ByteBufferAsIntBufferL get(I)I
java/nio/ByteBufferAsIntBufferL put(I)Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferL put(II)Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferL compact()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferL isDirect()Z
java/nio/ByteBufferAsIntBufferL isReadOnly()Z
java/nio/ByteBufferAsIntBufferL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsIntBufferL <clinit>()V
class java/nio/ByteBufferAsIntBufferRB java/nio/ByteBufferAsIntBufferB
java/nio/ByteBufferAsIntBufferRB
$assertionsDisabled
java/nio/ByteBufferAsIntBufferRB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsIntBufferRB <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsIntBufferRB slice()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRB duplicate()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRB asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRB put(I)Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRB put(II)Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRB compact()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRB isDirect()Z
java/nio/ByteBufferAsIntBufferRB isReadOnly()Z
java/nio/ByteBufferAsIntBufferRB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsIntBufferRB <clinit>()V
class java/nio/ByteBufferAsIntBufferRL java/nio/ByteBufferAsIntBufferL
java/nio/ByteBufferAsIntBufferRL $assertionsDisabled
java/nio/ByteBufferAsIntBufferRL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsIntBufferRL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsIntBufferRL
slice()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRL duplicate()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRL asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRL put(I)Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRL put(II)Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRL compact()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferRL isDirect()Z
java/nio/ByteBufferAsIntBufferRL isReadOnly()Z
java/nio/ByteBufferAsIntBufferRL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsIntBufferRL <clinit>()V
class java/nio/ByteBufferAsLongBufferB java/nio/LongBuffer
java/nio/ByteBufferAsLongBufferB bb
java/nio/ByteBufferAsLongBufferB offset
java/nio/ByteBufferAsLongBufferB $assertionsDisabled
java/nio/ByteBufferAsLongBufferB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsLongBufferB <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsLongBufferB slice()Ljava/nio/LongBuffer;

java/nio/ByteBufferAsLongBufferB
 duplicate()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferB asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferB ix(I)I
java/nio/ByteBufferAsLongBufferB get()J
java/nio/ByteBufferAsLongBufferB get(I)J
java/nio/ByteBufferAsLongBufferB put(J)Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferB put(IJ)Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferB compact()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferB isDirect()Z
java/nio/ByteBufferAsLongBufferB isReadOnly()Z
java/nio/ByteBufferAsLongBufferB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsLongBufferB <clinit>()V
class java/nio/ByteBufferAsLongBufferL java/nio/LongBuffer
java/nio/ByteBufferAsLongBufferL bb
java/nio/ByteBufferAsLongBufferL offset
java/nio/ByteBufferAsLongBufferL $assertionsDisabled
java/nio/ByteBufferAsLongBufferL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsLongBufferL <init>(Ljava/nio/ByteBuffer;IIII)V
java/nio/ByteBufferAsLongBufferL slice()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferL
 duplicate()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferL asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferL ix(I)I
java/nio/ByteBufferAsLongBufferL get()J
java/nio/ByteBufferAsLongBufferL get(I)J
java/nio/ByteBufferAsLongBufferL put(J)Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferL put(IJ)Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferL compact()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferL isDirect()Z
java/nio/ByteBufferAsLongBufferL isReadOnly()Z
java/nio/ByteBufferAsLongBufferL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsLongBufferL <clinit>()V
class java/nio/ByteBufferAsLongBufferRB java/nio/ByteBufferAsLongBufferB
java/nio/ByteBufferAsLongBufferRB $assertionsDisabled
java/nio/ByteBufferAsLongBufferRB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsLongBufferRB <init>(Ljava/nio/ByteBuffer;IIII)V
java/nio/ByteBufferAsLongBufferRB slice()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRB
 duplicate()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRB asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRB put(J)Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRB put(IJ)Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRB compact()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRB isDirect()Z
java/nio/ByteBufferAsLongBufferRB isReadOnly()Z
java/nio/ByteBufferAsLongBufferRB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsLongBufferRB <clinit>()V

class java/nio/ByteBufferAsLongBufferRL java/nio/ByteBufferAsLongBufferL
java/nio/ByteBufferAsLongBufferRL $assertionsDisabled
java/nio/ByteBufferAsLongBufferRL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsLongBufferRL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsLongBufferRL slice()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRL duplicate()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRL asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRL
put(J)Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRL put(IJ)Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRL compact()Ljava/nio/LongBuffer;
java/nio/ByteBufferAsLongBufferRL isDirect()Z
java/nio/ByteBufferAsLongBufferRL isReadOnly()Z
java/nio/ByteBufferAsLongBufferRL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsLongBufferRL <clinit>()V
class java/nio/ByteBufferAsShortBufferL java/nio/ShortBuffer
java/nio/ByteBufferAsShortBufferL bb
java/nio/ByteBufferAsShortBufferL offset
java/nio/ByteBufferAsShortBufferL $assertionsDisabled
java/nio/ByteBufferAsShortBufferL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsShortBufferL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsShortBufferL slice()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferL duplicate()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferL asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferL ix(I)I
java/nio/ByteBufferAsShortBufferL get()S
java/nio/ByteBufferAsShortBufferL
get(I)S
java/nio/ByteBufferAsShortBufferL put(S)Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferL put(IS)Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferL compact()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferL isDirect()Z
java/nio/ByteBufferAsShortBufferL isReadOnly()Z
java/nio/ByteBufferAsShortBufferL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsShortBufferL <clinit>()V
class java/nio/ByteBufferAsShortBufferRB java/nio/ByteBufferAsShortBufferB
java/nio/ByteBufferAsShortBufferRB $assertionsDisabled
java/nio/ByteBufferAsShortBufferRB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsShortBufferRB <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsShortBufferRB slice()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRB duplicate()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRB asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRB put(S)Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRB
put(IS)Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRB compact()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRB isDirect()Z
java/nio/ByteBufferAsShortBufferRB isReadOnly()Z

java/nio/ByteBufferAsShortBufferRB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsShortBufferRB <clinit>()V
class java/nio/ByteBufferAsShortBufferRL java/nio/ByteBufferAsShortBufferL
java/nio/ByteBufferAsShortBufferRL $assertionsDisabled
java/nio/ByteBufferAsShortBufferRL <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsShortBufferRL <init>(Ljava/nio/ByteBuffer;IIIII)V
java/nio/ByteBufferAsShortBufferRL slice()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRL duplicate()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRL asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRL put(S)Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRL put(IS)Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRL compact()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferRL
 isDirect()Z
java/nio/ByteBufferAsShortBufferRL isReadOnly()Z
java/nio/ByteBufferAsShortBufferRL order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsShortBufferRL <clinit>()V
class java/nio/DirectByteBuffer$1 java/lang/Object
class java/nio/DirectByteBufferR java/nio/DirectByteBuffer
java/nio/DirectByteBufferR $assertionsDisabled
java/nio/DirectByteBufferR <init>(I)V
java/nio/DirectByteBufferR <init>(IJLjava/lang/Runnable;)V
java/nio/DirectByteBufferR <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectByteBufferR slice()Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR duplicate()Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR asReadOnlyBuffer()Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR put(B)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR put(IB)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR put(Ljava/nio/ByteBuffer;)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR put([BII)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR compact()Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR
 isDirect()Z
java/nio/DirectByteBufferR isReadOnly()Z
java/nio/DirectByteBufferR _get(I)B
java/nio/DirectByteBufferR _put(IB)V
java/nio/DirectByteBufferR putChar(JC)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putChar(C)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putChar(IC)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR asCharBuffer()Ljava/nio/CharBuffer;
java/nio/DirectByteBufferR putShort(JS)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putShort(S)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putShort(IS)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR asShortBuffer()Ljava/nio/ShortBuffer;
java/nio/DirectByteBufferR putInt(JI)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putInt(I)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putInt(II)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR asIntBuffer()Ljava/nio/IntBuffer;

java/nio/DirectByteBufferR putLong(JJ)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putLong(J)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR
putLong(IJ)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR asLongBuffer()Ljava/nio/LongBuffer;
java/nio/DirectByteBufferR putFloat(JF)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putFloat(F)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putFloat(IF)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR asFloatBuffer()Ljava/nio/FloatBuffer;
java/nio/DirectByteBufferR putDouble(JD)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putDouble(D)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR putDouble(ID)Ljava/nio/ByteBuffer;
java/nio/DirectByteBufferR asDoubleBuffer()Ljava/nio/DoubleBuffer;
java/nio/DirectByteBufferR <clinit>()V
class java/nio/DirectCharBufferRS java/nio/DirectCharBufferS
java/nio/DirectCharBufferRS $assertionsDisabled
java/nio/DirectCharBufferRS <init>(Lsun/nio/ch/DirectBuffer;IIII)V
java/nio/DirectCharBufferRS slice()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRS duplicate()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRS asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRS
put(C)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRS put(IC)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRS put(Ljava/nio/CharBuffer;)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRS put([CII)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRS compact()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRS isDirect()Z
java/nio/DirectCharBufferRS isReadOnly()Z
java/nio/DirectCharBufferRS toString(II)Ljava/lang/String;
java/nio/DirectCharBufferRS subSequence(II)Ljava/lang/CharSequence;
java/nio/DirectCharBufferRS order()Ljava/nio/ByteOrder;
java/nio/DirectCharBufferRS <clinit>()V
class java/nio/DirectCharBufferRU java/nio/DirectCharBufferU
java/nio/DirectCharBufferRU $assertionsDisabled
java/nio/DirectCharBufferRU <init>(Lsun/nio/ch/DirectBuffer;IIII)V
java/nio/DirectCharBufferRU slice()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRU duplicate()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRU asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRU
put(C)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRU put(IC)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRU put(Ljava/nio/CharBuffer;)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRU put([CII)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRU compact()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferRU isDirect()Z
java/nio/DirectCharBufferRU isReadOnly()Z
java/nio/DirectCharBufferRU toString(II)Ljava/lang/String;
java/nio/DirectCharBufferRU subSequence(II)Ljava/lang/CharSequence;

java/nio/DirectCharBufferRU order()Ljava/nio/ByteOrder;
java/nio/DirectCharBufferRU <clinit>()V
class java/nio/DirectCharBufferS java/nio/CharBuffer
java/nio/DirectCharBufferS unsafe
java/nio/DirectCharBufferS unaligned
java/nio/DirectCharBufferS viewedBuffer
java/nio/DirectCharBufferS $assertionsDisabled
java/nio/DirectCharBufferS viewedBuffer()Ljava/lang/Object;
java/nio/DirectCharBufferS cleaner()Lsun/misc/Cleaner;
java/nio/DirectCharBufferS <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectCharBufferS
slice()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS duplicate()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS address()J
java/nio/DirectCharBufferS ix(I)J
java/nio/DirectCharBufferS get()C
java/nio/DirectCharBufferS get(I)C
java/nio/DirectCharBufferS get([CII)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS put(C)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS put(IC)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS put(Ljava/nio/CharBuffer;)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS put([CII)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS compact()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferS isDirect()Z
java/nio/DirectCharBufferS isReadOnly()Z
java/nio/DirectCharBufferS toString(II)Ljava/lang/String;
java/nio/DirectCharBufferS subSequence(II)Ljava/lang/CharSequence;
java/nio/DirectCharBufferS order()Ljava/nio/ByteOrder;
java/nio/DirectCharBufferS <clinit>()V
class java/nio/DirectCharBufferU
java/nio/CharBuffer
java/nio/DirectCharBufferU unsafe
java/nio/DirectCharBufferU unaligned
java/nio/DirectCharBufferU viewedBuffer
java/nio/DirectCharBufferU $assertionsDisabled
java/nio/DirectCharBufferU viewedBuffer()Ljava/lang/Object;
java/nio/DirectCharBufferU cleaner()Lsun/misc/Cleaner;
java/nio/DirectCharBufferU <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectCharBufferU slice()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferU duplicate()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferU asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferU address()J
java/nio/DirectCharBufferU ix(I)J
java/nio/DirectCharBufferU get()C
java/nio/DirectCharBufferU get(I)C
java/nio/DirectCharBufferU get([CII)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferU put(C)Ljava/nio/CharBuffer;

java/nio/DirectCharBufferU put(IC)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferU put(Ljava/nio/CharBuffer;)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferU put([CII)Ljava/nio/CharBuffer;
java/nio/DirectCharBufferU
compact()Ljava/nio/CharBuffer;
java/nio/DirectCharBufferU isDirect()Z
java/nio/DirectCharBufferU isReadOnly()Z
java/nio/DirectCharBufferU toString(II)Ljava/lang/String;
java/nio/DirectCharBufferU subSequence(II)Ljava/lang/CharSequence;
java/nio/DirectCharBufferU order()Ljava/nio/ByteOrder;
java/nio/DirectCharBufferU <clinit>()V
class java/nio/DirectDoubleBufferRS java/nio/DirectDoubleBufferS
java/nio/DirectDoubleBufferRS $assertionsDisabled
java/nio/DirectDoubleBufferRS <init>(Lsun/nio/ch/DirectBuffer;IIII)V
java/nio/DirectDoubleBufferRS slice()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRS duplicate()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRS asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRS put(D)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRS put(ID)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRS put(Ljava/nio/DoubleBuffer;)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRS put([DII)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRS
compact()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRS isDirect()Z
java/nio/DirectDoubleBufferRS isReadOnly()Z
java/nio/DirectDoubleBufferRS order()Ljava/nio/ByteOrder;
java/nio/DirectDoubleBufferRS <clinit>()V
class java/nio/DirectDoubleBufferRU java/nio/DirectDoubleBufferU
java/nio/DirectDoubleBufferRU $assertionsDisabled
java/nio/DirectDoubleBufferRU <init>(Lsun/nio/ch/DirectBuffer;IIII)V
java/nio/DirectDoubleBufferRU slice()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRU duplicate()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRU asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRU put(D)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRU put(ID)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRU put(Ljava/nio/DoubleBuffer;)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRU put([DII)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRU compact()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferRU
isDirect()Z
java/nio/DirectDoubleBufferRU isReadOnly()Z
java/nio/DirectDoubleBufferRU order()Ljava/nio/ByteOrder;
java/nio/DirectDoubleBufferRU <clinit>()V
class java/nio/DirectDoubleBufferS java/nio/DoubleBuffer
java/nio/DirectDoubleBufferS unsafe
java/nio/DirectDoubleBufferS unaligned
java/nio/DirectDoubleBufferS viewedBuffer
java/nio/DirectDoubleBufferS $assertionsDisabled

java/nio/DirectDoubleBufferS viewedBuffer()Ljava/lang/Object;
java/nio/DirectDoubleBufferS cleaner()Lsun/misc/Cleaner;
java/nio/DirectDoubleBufferS <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectDoubleBufferS slice()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS duplicate()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS address()J
java/nio/DirectDoubleBufferS ix(I)J
java/nio/DirectDoubleBufferS get()D
java/nio/DirectDoubleBufferS get(I)D
java/nio/DirectDoubleBufferS get([DII)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS
put(D)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS put(ID)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS put(Ljava/nio/DoubleBuffer;)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS put([DII)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS compact()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferS isDirect()Z
java/nio/DirectDoubleBufferS isReadOnly()Z
java/nio/DirectDoubleBufferS order()Ljava/nio/ByteOrder;
java/nio/DirectDoubleBufferS <clinit>()V
class java/nio/DirectDoubleBufferU java/nio/DoubleBuffer
java/nio/DirectDoubleBufferU unsafe
java/nio/DirectDoubleBufferU unaligned
java/nio/DirectDoubleBufferU viewedBuffer
java/nio/DirectDoubleBufferU $assertionsDisabled
java/nio/DirectDoubleBufferU viewedBuffer()Ljava/lang/Object;
java/nio/DirectDoubleBufferU cleaner()Lsun/misc/Cleaner;
java/nio/DirectDoubleBufferU <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectDoubleBufferU slice()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU duplicate()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU
asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU address()J
java/nio/DirectDoubleBufferU ix(I)J
java/nio/DirectDoubleBufferU get()D
java/nio/DirectDoubleBufferU get(I)D
java/nio/DirectDoubleBufferU get([DII)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU put(D)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU put(ID)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU put(Ljava/nio/DoubleBuffer;)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU put([DII)Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU compact()Ljava/nio/DoubleBuffer;
java/nio/DirectDoubleBufferU isDirect()Z
java/nio/DirectDoubleBufferU isReadOnly()Z
java/nio/DirectDoubleBufferU order()Ljava/nio/ByteOrder;
java/nio/DirectDoubleBufferU <clinit>()V
class java/nio/DirectFloatBufferRS java/nio/DirectFloatBufferS

java/nio/DirectFloatBufferRS $assertionsDisabled
java/nio/DirectFloatBufferRS <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectFloatBufferRS
slice()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRS duplicate()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRS asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRS put(F)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRS put(IF)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRS put(Ljava/nio/FloatBuffer;)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRS put([FII)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRS compact()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRS isDirect()Z
java/nio/DirectFloatBufferRS isReadOnly()Z
java/nio/DirectFloatBufferRS order()Ljava/nio/ByteOrder;
java/nio/DirectFloatBufferRS <clinit>()V
class java/nio/DirectFloatBufferRU java/nio/DirectFloatBufferU
java/nio/DirectFloatBufferRU $assertionsDisabled
java/nio/DirectFloatBufferRU <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectFloatBufferRU slice()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRU duplicate()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRU
asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRU put(F)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRU put(IF)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRU put(Ljava/nio/FloatBuffer;)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRU put([FII)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRU compact()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferRU isDirect()Z
java/nio/DirectFloatBufferRU isReadOnly()Z
java/nio/DirectFloatBufferRU order()Ljava/nio/ByteOrder;
java/nio/DirectFloatBufferRU <clinit>()V
class java/nio/DirectFloatBufferS java/nio/FloatBuffer
java/nio/DirectFloatBufferS unsafe
java/nio/DirectFloatBufferS unaligned
java/nio/DirectFloatBufferS viewedBuffer
java/nio/DirectFloatBufferS $assertionsDisabled
java/nio/DirectFloatBufferS viewedBuffer()Ljava/lang/Object;
java/nio/DirectFloatBufferS cleaner()Lsun/misc/Cleaner;
java/nio/DirectFloatBufferS <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectFloatBufferS slice()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferS
duplicate()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferS asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferS address()J
java/nio/DirectFloatBufferS ix(I)J
java/nio/DirectFloatBufferS get()F
java/nio/DirectFloatBufferS get(I)F
java/nio/DirectFloatBufferS get([FII)Ljava/nio/FloatBuffer;

java/nio/DirectFloatBufferS put(F)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferS put(IF)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferS put(Ljava/nio/FloatBuffer;)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferS put([FII)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferS compact()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferS isDirect()Z
java/nio/DirectFloatBufferS isReadOnly()Z
java/nio/DirectFloatBufferS order()Ljava/nio/ByteOrder;
java/nio/DirectFloatBufferS <clinit>()V
class java/nio/DirectFloatBufferU java/nio/FloatBuffer
java/nio/DirectFloatBufferU unsafe
java/nio/DirectFloatBufferU unaligned
java/nio/DirectFloatBufferU viewedBuffer
java/nio/DirectFloatBufferU
 $assertionsDisabled
java/nio/DirectFloatBufferU viewedBuffer()Ljava/lang/Object;
java/nio/DirectFloatBufferU cleaner()Lsun/misc/Cleaner;
java/nio/DirectFloatBufferU <init>(Lsun/nio/ch/DirectBuffer;IIII)V
java/nio/DirectFloatBufferU slice()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU duplicate()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU address()J
java/nio/DirectFloatBufferU ix(I)J
java/nio/DirectFloatBufferU get()F
java/nio/DirectFloatBufferU get(I)F
java/nio/DirectFloatBufferU get([FII)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU put(F)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU put(IF)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU put(Ljava/nio/FloatBuffer;)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU put([FII)Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU compact()Ljava/nio/FloatBuffer;
java/nio/DirectFloatBufferU isDirect()Z
java/nio/DirectFloatBufferU
 isReadOnly()Z
java/nio/DirectFloatBufferU order()Ljava/nio/ByteOrder;
java/nio/DirectFloatBufferU <clinit>()V
class java/nio/DirectIntBufferRS java/nio/DirectIntBufferS
java/nio/DirectIntBufferRS $assertionsDisabled
java/nio/DirectIntBufferRS <init>(Lsun/nio/ch/DirectBuffer;IIII)V
java/nio/DirectIntBufferRS slice()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRS duplicate()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRS asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRS put(I)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRS put(II)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRS put(Ljava/nio/IntBuffer;)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRS put([III)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRS compact()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRS isDirect()Z

java/nio/DirectIntBufferRS isReadOnly()Z
java/nio/DirectIntBufferRS order()Ljava/nio/ByteOrder;
java/nio/DirectIntBufferRS <clinit>()V
class java/nio/DirectIntBufferRU java/nio/DirectIntBufferU
java/nio/DirectIntBufferRU
 $assertionsDisabled
java/nio/DirectIntBufferRU <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectIntBufferRU slice()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRU duplicate()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRU asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRU put(I)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRU put(II)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRU put(Ljava/nio/IntBuffer;)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRU put([III)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRU compact()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferRU isDirect()Z
java/nio/DirectIntBufferRU isReadOnly()Z
java/nio/DirectIntBufferRU order()Ljava/nio/ByteOrder;
java/nio/DirectIntBufferRU <clinit>()V
class java/nio/DirectIntBufferS java/nio/IntBuffer
java/nio/DirectIntBufferS unsafe
java/nio/DirectIntBufferS unaligned
java/nio/DirectIntBufferS viewedBuffer
java/nio/DirectIntBufferS $assertionsDisabled
java/nio/DirectIntBufferS
 viewedBuffer()Ljava/lang/Object;
java/nio/DirectIntBufferS cleaner()Lsun/misc/Cleaner;
java/nio/DirectIntBufferS <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectIntBufferS slice()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS duplicate()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS address()J
java/nio/DirectIntBufferS ix(I)J
java/nio/DirectIntBufferS get()I
java/nio/DirectIntBufferS get(I)I
java/nio/DirectIntBufferS get([III)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS put(I)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS put(II)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS put(Ljava/nio/IntBuffer;)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS put([III)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS compact()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferS isDirect()Z
java/nio/DirectIntBufferS isReadOnly()Z
java/nio/DirectIntBufferS order()Ljava/nio/ByteOrder;
java/nio/DirectIntBufferS <clinit>()V
class java/nio/DirectIntBufferU
 java/nio/IntBuffer
java/nio/DirectIntBufferU unsafe

java/nio/DirectIntBufferU unaligned
java/nio/DirectIntBufferU viewedBuffer
java/nio/DirectIntBufferU $assertionsDisabled
java/nio/DirectIntBufferU viewedBuffer()Ljava/lang/Object;
java/nio/DirectIntBufferU cleaner()Lsun/misc/Cleaner;
java/nio/DirectIntBufferU <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectIntBufferU slice()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU duplicate()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU address()J
java/nio/DirectIntBufferU ix(I)J
java/nio/DirectIntBufferU get()I
java/nio/DirectIntBufferU get(I)I
java/nio/DirectIntBufferU get([III)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU put(I)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU put(II)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU put(Ljava/nio/IntBuffer;)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU put([III)Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU
compact()Ljava/nio/IntBuffer;
java/nio/DirectIntBufferU isDirect()Z
java/nio/DirectIntBufferU isReadOnly()Z
java/nio/DirectIntBufferU order()Ljava/nio/ByteOrder;
java/nio/DirectIntBufferU <clinit>()V
class java/nio/DirectLongBufferRS java/nio/DirectLongBufferS
java/nio/DirectLongBufferRS $assertionsDisabled
java/nio/DirectLongBufferRS <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectLongBufferRS slice()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRS duplicate()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRS asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRS put(J)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRS put(IJ)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRS put(Ljava/nio/LongBuffer;)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRS put([JII)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRS compact()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRS isDirect()Z
java/nio/DirectLongBufferRS isReadOnly()Z
java/nio/DirectLongBufferRS order()Ljava/nio/ByteOrder;
java/nio/DirectLongBufferRS
<clinit>()V
class java/nio/DirectLongBufferRU java/nio/DirectLongBufferU
java/nio/DirectLongBufferRU $assertionsDisabled
java/nio/DirectLongBufferRU <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectLongBufferRU slice()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRU duplicate()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRU asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRU put(J)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRU put(IJ)Ljava/nio/LongBuffer;

java/nio/DirectLongBufferRU put(Ljava/nio/LongBuffer;)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRU put([JII)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRU compact()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferRU isDirect()Z
java/nio/DirectLongBufferRU isReadOnly()Z
java/nio/DirectLongBufferRU order()Ljava/nio/ByteOrder;
java/nio/DirectLongBufferRU <clinit>()V
class java/nio/DirectLongBufferS java/nio/LongBuffer
java/nio/DirectLongBufferS unsafe
java/nio/DirectLongBufferS
 unaligned
java/nio/DirectLongBufferS viewedBuffer
java/nio/DirectLongBufferS $assertionsDisabled
java/nio/DirectLongBufferS viewedBuffer()Ljava/lang/Object;
java/nio/DirectLongBufferS cleaner()Lsun/misc/Cleaner;
java/nio/DirectLongBufferS <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectLongBufferS slice()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS duplicate()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS address()J
java/nio/DirectLongBufferS ix(I)J
java/nio/DirectLongBufferS get()J
java/nio/DirectLongBufferS get(I)J
java/nio/DirectLongBufferS get([JII)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS put(J)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS put(IJ)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS put(Ljava/nio/LongBuffer;)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS put([JII)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS compact()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferS
 isDirect()Z
java/nio/DirectLongBufferS isReadOnly()Z
java/nio/DirectLongBufferS order()Ljava/nio/ByteOrder;
java/nio/DirectLongBufferS <clinit>()V
class java/nio/DirectLongBufferU java/nio/LongBuffer
java/nio/DirectLongBufferU unsafe
java/nio/DirectLongBufferU unaligned
java/nio/DirectLongBufferU viewedBuffer
java/nio/DirectLongBufferU $assertionsDisabled
java/nio/DirectLongBufferU viewedBuffer()Ljava/lang/Object;
java/nio/DirectLongBufferU cleaner()Lsun/misc/Cleaner;
java/nio/DirectLongBufferU <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectLongBufferU slice()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU duplicate()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU address()J
java/nio/DirectLongBufferU ix(I)J
java/nio/DirectLongBufferU get()J

java/nio/DirectLongBufferU get(I)J
java/nio/DirectLongBufferU get([JII)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU put(J)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU
put(IJ)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU put(Ljava/nio/LongBuffer;)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU put([JII)Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU compact()Ljava/nio/LongBuffer;
java/nio/DirectLongBufferU isDirect()Z
java/nio/DirectLongBufferU isReadOnly()Z
java/nio/DirectLongBufferU order()Ljava/nio/ByteOrder;
java/nio/DirectLongBufferU <clinit>()V
class java/nio/DirectShortBufferRS java/nio/DirectShortBufferS
java/nio/DirectShortBufferRS $assertionsDisabled
java/nio/DirectShortBufferRS <init>(Lsun/nio/ch/DirectBuffer;IIII)V
java/nio/DirectShortBufferRS slice()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRS duplicate()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRS asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRS put(S)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRS put(IS)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRS put(Ljava/nio/ShortBuffer;)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRS put([SII)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRS
compact()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRS isDirect()Z
java/nio/DirectShortBufferRS isReadOnly()Z
java/nio/DirectShortBufferRS order()Ljava/nio/ByteOrder;
java/nio/DirectShortBufferRS <clinit>()V
class java/nio/DirectShortBufferRU java/nio/DirectShortBufferU
java/nio/DirectShortBufferRU $assertionsDisabled
java/nio/DirectShortBufferRU <init>(Lsun/nio/ch/DirectBuffer;IIII)V
java/nio/DirectShortBufferRU slice()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRU duplicate()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRU asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRU put(S)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRU put(IS)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRU put(Ljava/nio/ShortBuffer;)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRU put([SII)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRU compact()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferRU isDirect()Z
java/nio/DirectShortBufferRU
isReadOnly()Z
java/nio/DirectShortBufferRU order()Ljava/nio/ByteOrder;
java/nio/DirectShortBufferRU <clinit>()V
class java/nio/DirectShortBufferS java/nio/ShortBuffer
java/nio/DirectShortBufferS unsafe
java/nio/DirectShortBufferS unaligned
java/nio/DirectShortBufferS viewedBuffer

java/nio/DirectShortBufferS $assertionsDisabled
java/nio/DirectShortBufferS viewedBuffer()Ljava/lang/Object;
java/nio/DirectShortBufferS cleaner()Lsun/misc/Cleaner;
java/nio/DirectShortBufferS <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectShortBufferS slice()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS duplicate()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS address()J
java/nio/DirectShortBufferS ix(I)J
java/nio/DirectShortBufferS get()S
java/nio/DirectShortBufferS get(I)S
java/nio/DirectShortBufferS get([SII)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS put(S)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS
put(IS)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS put(Ljava/nio/ShortBuffer;)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS put([SII)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS compact()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferS isDirect()Z
java/nio/DirectShortBufferS isReadOnly()Z
java/nio/DirectShortBufferS order()Ljava/nio/ByteOrder;
java/nio/DirectShortBufferS <clinit>()V
class java/nio/DirectShortBufferU java/nio/ShortBuffer
java/nio/DirectShortBufferU unsafe
java/nio/DirectShortBufferU unaligned
java/nio/DirectShortBufferU viewedBuffer
java/nio/DirectShortBufferU $assertionsDisabled
java/nio/DirectShortBufferU viewedBuffer()Ljava/lang/Object;
java/nio/DirectShortBufferU cleaner()Lsun/misc/Cleaner;
java/nio/DirectShortBufferU <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectShortBufferU slice()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU duplicate()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU
address()J
java/nio/DirectShortBufferU ix(I)J
java/nio/DirectShortBufferU get()S
java/nio/DirectShortBufferU get(I)S
java/nio/DirectShortBufferU get([SII)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU put(S)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU put(IS)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU put(Ljava/nio/ShortBuffer;)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU put([SII)Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU compact()Ljava/nio/ShortBuffer;
java/nio/DirectShortBufferU isDirect()Z
java/nio/DirectShortBufferU isReadOnly()Z
java/nio/DirectShortBufferU order()Ljava/nio/ByteOrder;
java/nio/DirectShortBufferU <clinit>()V

class java/nio/DoubleBuffer java/nio/Buffer
java/nio/DoubleBuffer hb
java/nio/DoubleBuffer offset
java/nio/DoubleBuffer isReadOnly
java/nio/DoubleBuffer <init>(IIII[DI)V
java/nio/DoubleBuffer <init>(IIII)V
java/nio/DoubleBuffer allocate(I)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer
wrap([DII)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer wrap([D)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer slice()Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer duplicate()Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer get()D
java/nio/DoubleBuffer put(D)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer get(I)D
java/nio/DoubleBuffer put(ID)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer get([DII)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer get([D)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer put(Ljava/nio/DoubleBuffer;)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer put([DII)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer put([D)Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer hasArray()Z
java/nio/DoubleBuffer array()[D
java/nio/DoubleBuffer arrayOffset()I
java/nio/DoubleBuffer compact()Ljava/nio/DoubleBuffer;
java/nio/DoubleBuffer isDirect()Z
java/nio/DoubleBuffer toString()Ljava/lang/String;
java/nio/DoubleBuffer hashCode()I
java/nio/DoubleBuffer
equals(Ljava/lang/Object;)Z
java/nio/DoubleBuffer compareTo(Ljava/nio/DoubleBuffer;)I
java/nio/DoubleBuffer order()Ljava/nio/ByteOrder;
java/nio/DoubleBuffer compareTo(Ljava/lang/Object;)I
class java/nio/FloatBuffer java/nio/Buffer
java/nio/FloatBuffer hb
java/nio/FloatBuffer offset
java/nio/FloatBuffer isReadOnly
java/nio/FloatBuffer <init>(IIII[FI)V
java/nio/FloatBuffer <init>(IIII)V
java/nio/FloatBuffer allocate(I)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer wrap([FII)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer wrap([F)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer slice()Ljava/nio/FloatBuffer;
java/nio/FloatBuffer duplicate()Ljava/nio/FloatBuffer;
java/nio/FloatBuffer asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/FloatBuffer get()F
java/nio/FloatBuffer put(F)Ljava/nio/FloatBuffer;

java/nio/FloatBuffer get(I)F
java/nio/FloatBuffer put(IF)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer get([FII)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer get([F)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer
put(Ljava/nio/FloatBuffer;)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer put([FII)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer put([F)Ljava/nio/FloatBuffer;
java/nio/FloatBuffer hasArray()Z
java/nio/FloatBuffer array()[F
java/nio/FloatBuffer arrayOffset()I
java/nio/FloatBuffer compact()Ljava/nio/FloatBuffer;
java/nio/FloatBuffer isDirect()Z
java/nio/FloatBuffer toString()Ljava/lang/String;
java/nio/FloatBuffer hashCode()I
java/nio/FloatBuffer equals(Ljava/lang/Object;)Z
java/nio/FloatBuffer compareTo(Ljava/nio/FloatBuffer;)I
java/nio/FloatBuffer order()Ljava/nio/ByteOrder;
java/nio/FloatBuffer compareTo(Ljava/lang/Object;)I
class java/nio/HeapByteBufferR java/nio/HeapByteBuffer
java/nio/HeapByteBufferR <init>(II)V
java/nio/HeapByteBufferR <init>([BII)V
java/nio/HeapByteBufferR <init>([BIIII)V
java/nio/HeapByteBufferR slice()Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR duplicate()Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR asReadOnlyBuffer()Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR
isReadOnly()Z
java/nio/HeapByteBufferR put(B)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR put(IB)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR put([BII)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR put(Ljava/nio/ByteBuffer;)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR compact()Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR _get(I)B
java/nio/HeapByteBufferR _put(IB)V
java/nio/HeapByteBufferR putChar(C)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR putChar(IC)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR asCharBuffer()Ljava/nio/CharBuffer;
java/nio/HeapByteBufferR putShort(S)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR putShort(IS)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR asShortBuffer()Ljava/nio/ShortBuffer;
java/nio/HeapByteBufferR putInt(I)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR putInt(II)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR asIntBuffer()Ljava/nio/IntBuffer;
java/nio/HeapByteBufferR putLong(J)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR
putLong(IJ)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR asLongBuffer()Ljava/nio/LongBuffer;

java/nio/HeapByteBufferR putFloat(F)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR putFloat(IF)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR asFloatBuffer()Ljava/nio/FloatBuffer;
java/nio/HeapByteBufferR putDouble(D)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR putDouble(ID)Ljava/nio/ByteBuffer;
java/nio/HeapByteBufferR asDoubleBuffer()Ljava/nio/DoubleBuffer;
class java/nio/HeapCharBufferR java/nio/HeapCharBuffer
java/nio/HeapCharBufferR <init>(II)V
java/nio/HeapCharBufferR <init>([CII)V
java/nio/HeapCharBufferR <init>([CIIIII)V
java/nio/HeapCharBufferR slice()Ljava/nio/CharBuffer;
java/nio/HeapCharBufferR duplicate()Ljava/nio/CharBuffer;
java/nio/HeapCharBufferR asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/HeapCharBufferR isReadOnly()Z
java/nio/HeapCharBufferR put(C)Ljava/nio/CharBuffer;
java/nio/HeapCharBufferR put(IC)Ljava/nio/CharBuffer;
java/nio/HeapCharBufferR put([CII)Ljava/nio/CharBuffer;
java/nio/HeapCharBufferR
 put(Ljava/nio/CharBuffer;)Ljava/nio/CharBuffer;
java/nio/HeapCharBufferR compact()Ljava/nio/CharBuffer;
java/nio/HeapCharBufferR toString(II)Ljava/lang/String;
java/nio/HeapCharBufferR subSequence(II)Ljava/lang/CharSequence;
java/nio/HeapCharBufferR order()Ljava/nio/ByteOrder;
class java/nio/HeapDoubleBuffer java/nio/DoubleBuffer
java/nio/HeapDoubleBuffer <init>(II)V
java/nio/HeapDoubleBuffer <init>([DII)V
java/nio/HeapDoubleBuffer <init>([DIIIII)V
java/nio/HeapDoubleBuffer slice()Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer duplicate()Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer ix(I)I
java/nio/HeapDoubleBuffer get()D
java/nio/HeapDoubleBuffer get(I)D
java/nio/HeapDoubleBuffer get([DII)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer isDirect()Z
java/nio/HeapDoubleBuffer isReadOnly()Z
java/nio/HeapDoubleBuffer put(D)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer
 put(ID)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer put([DII)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer put(Ljava/nio/DoubleBuffer;)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer compact()Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBuffer order()Ljava/nio/ByteOrder;
class java/nio/HeapDoubleBufferR java/nio/HeapDoubleBuffer
java/nio/HeapDoubleBufferR <init>(II)V
java/nio/HeapDoubleBufferR <init>([DII)V
java/nio/HeapDoubleBufferR <init>([DIIIII)V
java/nio/HeapDoubleBufferR slice()Ljava/nio/DoubleBuffer;

java/nio/HeapDoubleBufferR duplicate()Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBufferR asReadOnlyBuffer()Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBufferR isReadOnly()Z
java/nio/HeapDoubleBufferR put(D)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBufferR put(ID)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBufferR put([DII)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBufferR put(Ljava/nio/DoubleBuffer;)Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBufferR compact()Ljava/nio/DoubleBuffer;
java/nio/HeapDoubleBufferR
order()Ljava/nio/ByteOrder;
class java/nio/HeapFloatBuffer java/nio/FloatBuffer
java/nio/HeapFloatBuffer <init>(II)V
java/nio/HeapFloatBuffer <init>([FII)V
java/nio/HeapFloatBuffer <init>([FIIII)V
java/nio/HeapFloatBuffer slice()Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer duplicate()Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer ix(I)I
java/nio/HeapFloatBuffer get()F
java/nio/HeapFloatBuffer get(I)F
java/nio/HeapFloatBuffer get([FII)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer isDirect()Z
java/nio/HeapFloatBuffer isReadOnly()Z
java/nio/HeapFloatBuffer put(F)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer put(IF)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer put([FII)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer put(Ljava/nio/FloatBuffer;)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer compact()Ljava/nio/FloatBuffer;
java/nio/HeapFloatBuffer order()Ljava/nio/ByteOrder;
class
java/nio/HeapFloatBufferR java/nio/HeapFloatBuffer
java/nio/HeapFloatBufferR <init>(II)V
java/nio/HeapFloatBufferR <init>([FII)V
java/nio/HeapFloatBufferR <init>([FIIII)V
java/nio/HeapFloatBufferR slice()Ljava/nio/FloatBuffer;
java/nio/HeapFloatBufferR duplicate()Ljava/nio/FloatBuffer;
java/nio/HeapFloatBufferR asReadOnlyBuffer()Ljava/nio/FloatBuffer;
java/nio/HeapFloatBufferR isReadOnly()Z
java/nio/HeapFloatBufferR put(F)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBufferR put(IF)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBufferR put([FII)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBufferR put(Ljava/nio/FloatBuffer;)Ljava/nio/FloatBuffer;
java/nio/HeapFloatBufferR compact()Ljava/nio/FloatBuffer;
java/nio/HeapFloatBufferR order()Ljava/nio/ByteOrder;
class java/nio/HeapIntBuffer java/nio/IntBuffer
java/nio/HeapIntBuffer <init>(II)V
java/nio/HeapIntBuffer <init>([III)V
java/nio/HeapIntBuffer <init>([IIIII)V

java/nio/HeapIntBuffer slice()Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer duplicate()Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer
asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer ix(I)I
java/nio/HeapIntBuffer get()I
java/nio/HeapIntBuffer get(I)I
java/nio/HeapIntBuffer get([III)Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer isDirect()Z
java/nio/HeapIntBuffer isReadOnly()Z
java/nio/HeapIntBuffer put(I)Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer put(II)Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer put([III)Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer put(Ljava/nio/IntBuffer;)Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer compact()Ljava/nio/IntBuffer;
java/nio/HeapIntBuffer order()Ljava/nio/ByteOrder;
class java/nio/HeapIntBufferR java/nio/HeapIntBuffer
java/nio/HeapIntBufferR <init>(II)V
java/nio/HeapIntBufferR <init>([III)V
java/nio/HeapIntBufferR <init>([IIIII)V
java/nio/HeapIntBufferR slice()Ljava/nio/IntBuffer;
java/nio/HeapIntBufferR duplicate()Ljava/nio/IntBuffer;
java/nio/HeapIntBufferR asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/HeapIntBufferR isReadOnly()Z
java/nio/HeapIntBufferR
put(I)Ljava/nio/IntBuffer;
java/nio/HeapIntBufferR put(II)Ljava/nio/IntBuffer;
java/nio/HeapIntBufferR put([III)Ljava/nio/IntBuffer;
java/nio/HeapIntBufferR put(Ljava/nio/IntBuffer;)Ljava/nio/IntBuffer;
java/nio/HeapIntBufferR compact()Ljava/nio/IntBuffer;
java/nio/HeapIntBufferR order()Ljava/nio/ByteOrder;
class java/nio/HeapLongBuffer java/nio/LongBuffer
java/nio/HeapLongBuffer <init>(II)V
java/nio/HeapLongBuffer <init>([JII)V
java/nio/HeapLongBuffer <init>([JIIII)V
java/nio/HeapLongBuffer slice()Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer duplicate()Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer ix(I)I
java/nio/HeapLongBuffer get()J
java/nio/HeapLongBuffer get(I)J
java/nio/HeapLongBuffer get([JII)Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer isDirect()Z
java/nio/HeapLongBuffer isReadOnly()Z
java/nio/HeapLongBuffer put(J)Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer put(IJ)Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer

put([JII)Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer put(Ljava/nio/LongBuffer;)Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer compact()Ljava/nio/LongBuffer;
java/nio/HeapLongBuffer order()Ljava/nio/ByteOrder;
class java/nio/HeapLongBufferR java/nio/HeapLongBuffer
java/nio/HeapLongBufferR <init>(II)V
java/nio/HeapLongBufferR <init>([JII)V
java/nio/HeapLongBufferR <init>([JIIII)V
java/nio/HeapLongBufferR slice()Ljava/nio/LongBuffer;
java/nio/HeapLongBufferR duplicate()Ljava/nio/LongBuffer;
java/nio/HeapLongBufferR asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/HeapLongBufferR isReadOnly()Z
java/nio/HeapLongBufferR put(J)Ljava/nio/LongBuffer;
java/nio/HeapLongBufferR put(IJ)Ljava/nio/LongBuffer;
java/nio/HeapLongBufferR put([JII)Ljava/nio/LongBuffer;
java/nio/HeapLongBufferR put(Ljava/nio/LongBuffer;)Ljava/nio/LongBuffer;
java/nio/HeapLongBufferR compact()Ljava/nio/LongBuffer;
java/nio/HeapLongBufferR order()Ljava/nio/ByteOrder;
class java/nio/HeapShortBuffer
java/nio/ShortBuffer
java/nio/HeapShortBuffer <init>(II)V
java/nio/HeapShortBuffer <init>([SII)V
java/nio/HeapShortBuffer <init>([SIIII)V
java/nio/HeapShortBuffer slice()Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer duplicate()Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer ix(I)I
java/nio/HeapShortBuffer get()S
java/nio/HeapShortBuffer get(I)S
java/nio/HeapShortBuffer get([SII)Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer isDirect()Z
java/nio/HeapShortBuffer isReadOnly()Z
java/nio/HeapShortBuffer put(S)Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer put(IS)Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer put([SII)Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer put(Ljava/nio/ShortBuffer;)Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer compact()Ljava/nio/ShortBuffer;
java/nio/HeapShortBuffer order()Ljava/nio/ByteOrder;
class java/nio/HeapShortBufferR java/nio/HeapShortBuffer
java/nio/HeapShortBufferR <init>(II)V
java/nio/HeapShortBufferR
<init>([SII)V
java/nio/HeapShortBufferR <init>([SIIII)V
java/nio/HeapShortBufferR slice()Ljava/nio/ShortBuffer;
java/nio/HeapShortBufferR duplicate()Ljava/nio/ShortBuffer;
java/nio/HeapShortBufferR asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/HeapShortBufferR isReadOnly()Z
java/nio/HeapShortBufferR put(S)Ljava/nio/ShortBuffer;

java/nio/HeapShortBufferR put(IS)Ljava/nio/ShortBuffer;
java/nio/HeapShortBufferR put([SII)Ljava/nio/ShortBuffer;
java/nio/HeapShortBufferR put(Ljava/nio/ShortBuffer;)Ljava/nio/ShortBuffer;
java/nio/HeapShortBufferR compact()Ljava/nio/ShortBuffer;
java/nio/HeapShortBufferR order()Ljava/nio/ByteOrder;
class java/nio/InvalidMarkException java/lang/IllegalStateException
java/nio/InvalidMarkException <init>()V
class java/nio/LongBuffer java/nio/Buffer
java/nio/LongBuffer hb
java/nio/LongBuffer offset
java/nio/LongBuffer isReadOnly
java/nio/LongBuffer <init>(IIII[JI)V
java/nio/LongBuffer <init>(IIII)V
java/nio/LongBuffer allocate(I)Ljava/nio/LongBuffer;
java/nio/LongBuffer
wrap([JII)Ljava/nio/LongBuffer;
java/nio/LongBuffer wrap([J)Ljava/nio/LongBuffer;
java/nio/LongBuffer slice()Ljava/nio/LongBuffer;
java/nio/LongBuffer duplicate()Ljava/nio/LongBuffer;
java/nio/LongBuffer asReadOnlyBuffer()Ljava/nio/LongBuffer;
java/nio/LongBuffer get()J
java/nio/LongBuffer put(J)Ljava/nio/LongBuffer;
java/nio/LongBuffer get(I)J
java/nio/LongBuffer put(IJ)Ljava/nio/LongBuffer;
java/nio/LongBuffer get([JII)Ljava/nio/LongBuffer;
java/nio/LongBuffer get([J)Ljava/nio/LongBuffer;
java/nio/LongBuffer put(Ljava/nio/LongBuffer;)Ljava/nio/LongBuffer;
java/nio/LongBuffer put([JII)Ljava/nio/LongBuffer;
java/nio/LongBuffer put([J)Ljava/nio/LongBuffer;
java/nio/LongBuffer hasArray()Z
java/nio/LongBuffer array()[J
java/nio/LongBuffer arrayOffset()I
java/nio/LongBuffer compact()Ljava/nio/LongBuffer;
java/nio/LongBuffer isDirect()Z
java/nio/LongBuffer toString()Ljava/lang/String;
java/nio/LongBuffer hashCode()I
java/nio/LongBuffer equals(Ljava/lang/Object;)Z
java/nio/LongBuffer
compareTo(Ljava/nio/LongBuffer;)I
java/nio/LongBuffer order()Ljava/nio/ByteOrder;
java/nio/LongBuffer compareTo(Ljava/lang/Object;)I
class java/nio/ReadOnlyBufferException java/lang/UnsupportedOperationException
java/nio/ReadOnlyBufferException <init>()V
class java/nio/StringCharBuffer java/nio/CharBuffer
java/nio/StringCharBuffer str
java/nio/StringCharBuffer <init>(Ljava/lang/CharSequence;II)V
java/nio/StringCharBuffer slice()Ljava/nio/CharBuffer;
java/nio/StringCharBuffer <init>(Ljava/lang/CharSequence;IIII)V

java/nio/StringCharBuffer duplicate()Ljava/nio/CharBuffer;
java/nio/StringCharBuffer asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/StringCharBuffer get()C
java/nio/StringCharBuffer get(I)C
java/nio/StringCharBuffer put(C)Ljava/nio/CharBuffer;
java/nio/StringCharBuffer put(IC)Ljava/nio/CharBuffer;
java/nio/StringCharBuffer compact()Ljava/nio/CharBuffer;
java/nio/StringCharBuffer isReadOnly()Z
java/nio/StringCharBuffer toString(II)Ljava/lang/String;
java/nio/StringCharBuffer
subSequence(II)Ljava/lang/CharSequence;
java/nio/StringCharBuffer isDirect()Z
java/nio/StringCharBuffer order()Ljava/nio/ByteOrder;
class java/nio/channels/AlreadyConnectedException java/lang/IllegalStateException
java/nio/channels/AlreadyConnectedException <init>()V
class java/nio/channels/AsynchronousCloseException java/nio/channels/ClosedChannelException
java/nio/channels/AsynchronousCloseException <init>()V
class java/nio/channels/CancelledKeyException java/lang/IllegalStateException
java/nio/channels/CancelledKeyException <init>()V
class java/nio/channels/Channels$1 java/io/OutputStream
java/nio/channels/Channels$1 bb
java/nio/channels/Channels$1 bs
java/nio/channels/Channels$1 b1
java/nio/channels/Channels$1 val$ch
java/nio/channels/Channels$1 <init>(Ljava/nio/channels/WritableByteChannel;)V
java/nio/channels/Channels$1 write(I)V
java/nio/channels/Channels$1 write([BII)V
java/nio/channels/Channels$1 close()V
class java/nio/channels/Channels$ReadableByteChannelImpl
java/nio/channels/spi/AbstractInterruptibleChannel
java/nio/channels/Channels$ReadableByteChannelImpl in
java/nio/channels/Channels$ReadableByteChannelImpl TRANSFER_SIZE
java/nio/channels/Channels$ReadableByteChannelImpl buf
java/nio/channels/Channels$ReadableByteChannelImpl open
java/nio/channels/Channels$ReadableByteChannelImpl readLock
java/nio/channels/Channels$ReadableByteChannelImpl <init>(Ljava/io/InputStream;)V
java/nio/channels/Channels$ReadableByteChannelImpl read(Ljava/nio/ByteBuffer;)I
java/nio/channels/Channels$ReadableByteChannelImpl implCloseChannel()V
class java/nio/channels/Channels$WritableByteChannelImpl java/nio/channels/spi/AbstractInterruptibleChannel
java/nio/channels/Channels$WritableByteChannelImpl out
java/nio/channels/Channels$WritableByteChannelImpl TRANSFER_SIZE
java/nio/channels/Channels$WritableByteChannelImpl buf
java/nio/channels/Channels$WritableByteChannelImpl open
java/nio/channels/Channels$WritableByteChannelImpl writeLock
java/nio/channels/Channels$WritableByteChannelImpl
<init>(Ljava/io/OutputStream;)V
java/nio/channels/Channels$WritableByteChannelImpl write(Ljava/nio/ByteBuffer;)I
java/nio/channels/Channels$WritableByteChannelImpl implCloseChannel()V

class java/nio/channels/Channels java/lang/Object
java/nio/channels/Channels <init>()V
java/nio/channels/Channels write(Ljava/nio/channels/WritableByteChannel;Ljava/nio/ByteBuffer;)I
java/nio/channels/Channels newInputStream(Ljava/nio/channels/ReadableByteChannel;)Ljava/io/InputStream;
java/nio/channels/Channels newOutputStream(Ljava/nio/channels/WritableByteChannel;)Ljava/io/OutputStream;
java/nio/channels/Channels newChannel(Ljava/io/InputStream;)Ljava/nio/channels/ReadableByteChannel;
java/nio/channels/Channels newChannel(Ljava/io/OutputStream;)Ljava/nio/channels/WritableByteChannel;
java/nio/channels/Channels
newReader(Ljava/nio/channels/ReadableByteChannel;Ljava/nio/charset/CharsetDecoder;I)Ljava/io/Reader;
java/nio/channels/Channels
newReader(Ljava/nio/channels/ReadableByteChannel;Ljava/lang/String;)Ljava/io/Reader;
java/nio/channels/Channels
newWriter(Ljava/nio/channels/WritableByteChannel;Ljava/nio/charset/CharsetEncoder;I)Ljava/io/Writer;
java/nio/channels/Channels
newWriter(Ljava/nio/channels/WritableByteChannel;Ljava/lang/String;)Ljava/io/Writer;
java/nio/channels/Channels access$000(Ljava/nio/channels/WritableByteChannel;Ljava/nio/ByteBuffer;)I
class java/nio/channels/ClosedByInterruptException java/nio/channels/AsynchronousCloseException
java/nio/channels/ClosedByInterruptException <init>()V
class java/nio/channels/ClosedChannelException java/io/IOException
java/nio/channels/ClosedChannelException <init>()V
class java/nio/channels/ClosedSelectorException java/lang/IllegalStateException
java/nio/channels/ClosedSelectorException <init>()V
class java/nio/channels/ConnectionPendingException java/lang/IllegalStateException
java/nio/channels/ConnectionPendingException <init>()V
class java/nio/channels/DatagramChannel java/nio/channels/spi/AbstractSelectableChannel
java/nio/channels/DatagramChannel
<init>(Ljava/nio/channels/spi/SelectorProvider;)V
java/nio/channels/DatagramChannel open()Ljava/nio/channels/DatagramChannel;
java/nio/channels/DatagramChannel validOps()I
java/nio/channels/DatagramChannel socket()Ljava/net/DatagramSocket;
java/nio/channels/DatagramChannel isConnected()Z
java/nio/channels/DatagramChannel connect(Ljava/net/SocketAddress;)Ljava/nio/channels/DatagramChannel;
java/nio/channels/DatagramChannel disconnect()Ljava/nio/channels/DatagramChannel;
java/nio/channels/DatagramChannel receive(Ljava/nio/ByteBuffer;)Ljava/net/SocketAddress;
java/nio/channels/DatagramChannel send(Ljava/nio/ByteBuffer;Ljava/net/SocketAddress;)I
java/nio/channels/DatagramChannel read(Ljava/nio/ByteBuffer;)I
java/nio/channels/DatagramChannel read([Ljava/nio/ByteBuffer;II)J
java/nio/channels/DatagramChannel read([Ljava/nio/ByteBuffer;)J
java/nio/channels/DatagramChannel write(Ljava/nio/ByteBuffer;)I
java/nio/channels/DatagramChannel write([Ljava/nio/ByteBuffer;II)J
java/nio/channels/DatagramChannel
write([Ljava/nio/ByteBuffer;)J
class java/nio/channels/FileChannel$MapMode java/lang/Object
java/nio/channels/FileChannel$MapMode READ_ONLY
java/nio/channels/FileChannel$MapMode READ_WRITE
java/nio/channels/FileChannel$MapMode PRIVATE
java/nio/channels/FileChannel$MapMode name
java/nio/channels/FileChannel$MapMode <init>(Ljava/lang/String;)V

java/nio/channels/FileChannel$MapMode toString()Ljava/lang/String;
java/nio/channels/FileChannel$MapMode <clinit>()V
class java/nio/channels/FileLock java/lang/Object
java/nio/channels/FileLock channel
java/nio/channels/FileLock position
java/nio/channels/FileLock size
java/nio/channels/FileLock shared
java/nio/channels/FileLock <init>(Ljava/nio/channels/FileChannel;JJZ)V
java/nio/channels/FileLock channel()Ljava/nio/channels/FileChannel;
java/nio/channels/FileLock position()J
java/nio/channels/FileLock size()J
java/nio/channels/FileLock isShared()Z
java/nio/channels/FileLock overlaps(JJ)Z
java/nio/channels/FileLock
 isValid()Z
java/nio/channels/FileLock release()V
java/nio/channels/FileLock toString()Ljava/lang/String;
class java/nio/channels/FileLockInterruptionException java/io/IOException
java/nio/channels/FileLockInterruptionException <init>()V
class java/nio/channels/IllegalBlockingModeException java/lang/IllegalStateException
java/nio/channels/IllegalBlockingModeException <init>()V
class java/nio/channels/IllegalSelectorException java/lang/IllegalArgumentException
java/nio/channels/IllegalSelectorException <init>()V
class java/nio/channels/NoConnectionPendingException java/lang/IllegalStateException
java/nio/channels/NoConnectionPendingException <init>()V
class java/nio/channels/NonReadableChannelException java/lang/IllegalStateException
java/nio/channels/NonReadableChannelException <init>()V
class java/nio/channels/NonWritableChannelException java/lang/IllegalStateException
java/nio/channels/NonWritableChannelException <init>()V
class java/nio/channels/NotYetBoundException
 java/lang/IllegalStateException
java/nio/channels/NotYetBoundException <init>()V
class java/nio/channels/NotYetConnectedException java/lang/IllegalStateException
java/nio/channels/NotYetConnectedException <init>()V
class java/nio/channels/OverlappingFileLockException java/lang/IllegalStateException
java/nio/channels/OverlappingFileLockException <init>()V
class java/nio/channels/Pipe$SinkChannel java/nio/channels/spi/AbstractSelectableChannel
java/nio/channels/Pipe$SinkChannel <init>(Ljava/nio/channels/spi/SelectorProvider;)V
java/nio/channels/Pipe$SinkChannel validOps()I
class java/nio/channels/Pipe$SourceChannel java/nio/channels/spi/AbstractSelectableChannel
java/nio/channels/Pipe$SourceChannel <init>(Ljava/nio/channels/spi/SelectorProvider;)V
java/nio/channels/Pipe$SourceChannel validOps()I
class java/nio/channels/Pipe java/lang/Object
java/nio/channels/Pipe <init>()V
java/nio/channels/Pipe source()Ljava/nio/channels/Pipe$SourceChannel;
java/nio/channels/Pipe sink()Ljava/nio/channels/Pipe$SinkChannel;
java/nio/channels/Pipe

open()Ljava/nio/channels/Pipe;
class java/nio/channels/SelectionKey java/lang/Object
java/nio/channels/SelectionKey OP_READ
java/nio/channels/SelectionKey OP_WRITE
java/nio/channels/SelectionKey OP_CONNECT
java/nio/channels/SelectionKey OP_ACCEPT
java/nio/channels/SelectionKey attachment
java/nio/channels/SelectionKey <init>()V
java/nio/channels/SelectionKey channel()Ljava/nio/channels/SelectableChannel;
java/nio/channels/SelectionKey selector()Ljava/nio/channels/Selector;
java/nio/channels/SelectionKey isValid()Z
java/nio/channels/SelectionKey cancel()V
java/nio/channels/SelectionKey interestOps()I
java/nio/channels/SelectionKey interestOps(I)Ljava/nio/channels/SelectionKey;
java/nio/channels/SelectionKey readyOps()I
java/nio/channels/SelectionKey isReadable()Z
java/nio/channels/SelectionKey isWritable()Z
java/nio/channels/SelectionKey isConnectable()Z
java/nio/channels/SelectionKey isAcceptable()Z
java/nio/channels/SelectionKey
attach(Ljava/lang/Object;)Ljava/lang/Object;
java/nio/channels/SelectionKey attachment()Ljava/lang/Object;
class java/nio/channels/Selector java/lang/Object
java/nio/channels/Selector <init>()V
java/nio/channels/Selector open()Ljava/nio/channels/Selector;
java/nio/channels/Selector isOpen()Z
java/nio/channels/Selector provider()Ljava/nio/channels/spi/SelectorProvider;
java/nio/channels/Selector keys()Ljava/util/Set;
java/nio/channels/Selector selectedKeys()Ljava/util/Set;
java/nio/channels/Selector selectNow()I
java/nio/channels/Selector select(J)I
java/nio/channels/Selector select()I
java/nio/channels/Selector wakeup()Ljava/nio/channels/Selector;
java/nio/channels/Selector close()V
class java/nio/channels/ServerSocketChannel java/nio/channels/spi/AbstractSelectableChannel
java/nio/channels/ServerSocketChannel <init>(Ljava/nio/channels/spi/SelectorProvider;)V
java/nio/channels/ServerSocketChannel open()Ljava/nio/channels/ServerSocketChannel;
java/nio/channels/ServerSocketChannel validOps()I
java/nio/channels/ServerSocketChannel
socket()Ljava/net/ServerSocket;
java/nio/channels/ServerSocketChannel accept()Ljava/nio/channels/SocketChannel;
class java/nio/channels/UnresolvedAddressException java/lang/IllegalArgumentException
java/nio/channels/UnresolvedAddressException <init>()V
class java/nio/channels/UnsupportedAddressTypeException java/lang/IllegalArgumentException
java/nio/channels/UnsupportedAddressTypeException <init>()V
class java/nio/channels/spi/AbstractSelectionKey java/nio/channels/SelectionKey
java/nio/channels/spi/AbstractSelectionKey valid
java/nio/channels/spi/AbstractSelectionKey <init>()V

java/nio/channels/spi/AbstractSelectionKey isValid()Z
java/nio/channels/spi/AbstractSelectionKey invalidate()V
java/nio/channels/spi/AbstractSelectionKey cancel()V
class java/nio/channels/spi/AbstractSelector$1 java/lang/Object
java/nio/channels/spi/AbstractSelector$1 this$0
java/nio/channels/spi/AbstractSelector$1 <init>(Ljava/nio/channels/spi/AbstractSelector;)V
java/nio/channels/spi/AbstractSelector$1
 interrupt()V
class java/nio/channels/spi/AbstractSelector java/nio/channels/Selector
java/nio/channels/spi/AbstractSelector selectorOpen
java/nio/channels/spi/AbstractSelector provider
java/nio/channels/spi/AbstractSelector cancelledKeys
java/nio/channels/spi/AbstractSelector interruptor
java/nio/channels/spi/AbstractSelector <init>(Ljava/nio/channels/spi/SelectorProvider;)V
java/nio/channels/spi/AbstractSelector cancel(Ljava/nio/channels/SelectionKey;)V
java/nio/channels/spi/AbstractSelector close()V
java/nio/channels/spi/AbstractSelector implCloseSelector()V
java/nio/channels/spi/AbstractSelector isOpen()Z
java/nio/channels/spi/AbstractSelector provider()Ljava/nio/channels/spi/SelectorProvider;
java/nio/channels/spi/AbstractSelector cancelledKeys()Ljava/util/Set;
java/nio/channels/spi/AbstractSelector
register(Ljava/nio/channels/spi/AbstractSelectableChannel;ILjava/lang/Object;)Ljava/nio/channels/SelectionKey;
java/nio/channels/spi/AbstractSelector
 deregister(Ljava/nio/channels/spi/AbstractSelectionKey;)V
java/nio/channels/spi/AbstractSelector begin()V
java/nio/channels/spi/AbstractSelector end()V
class java/nio/channels/spi/SelectorProvider$1 java/lang/Object
java/nio/channels/spi/SelectorProvider$1 <init>()V
java/nio/channels/spi/SelectorProvider$1 run()Ljava/lang/Object;
class java/nio/channels/spi/SelectorProvider java/lang/Object
java/nio/channels/spi/SelectorProvider lock
java/nio/channels/spi/SelectorProvider provider
java/nio/channels/spi/SelectorProvider <init>()V
java/nio/channels/spi/SelectorProvider loadProviderFromProperty()Z
java/nio/channels/spi/SelectorProvider loadProviderAsService()Z
java/nio/channels/spi/SelectorProvider provider()Ljava/nio/channels/spi/SelectorProvider;
java/nio/channels/spi/SelectorProvider openDatagramChannel()Ljava/nio/channels/DatagramChannel;
java/nio/channels/spi/SelectorProvider openPipe()Ljava/nio/channels/Pipe;
java/nio/channels/spi/SelectorProvider openSelector()Ljava/nio/channels/spi/AbstractSelector;
java/nio/channels/spi/SelectorProvider
 openServerSocketChannel()Ljava/nio/channels/ServerSocketChannel;
java/nio/channels/spi/SelectorProvider openSocketChannel()Ljava/nio/channels/SocketChannel;
java/nio/channels/spi/SelectorProvider inheritedChannel()Ljava/nio/channels/Channel;
java/nio/channels/spi/SelectorProvider access$000()Z
java/nio/channels/spi/SelectorProvider access$100()Ljava/nio/channels/spi/SelectorProvider;
java/nio/channels/spi/SelectorProvider access$200()Z
java/nio/channels/spi/SelectorProvider
access$102(Ljava/nio/channels/spi/SelectorProvider;)Ljava/nio/channels/spi/SelectorProvider;

java/nio/channels/spi/SelectorProvider <clinit>()V
class java/nio/charset/CharacterCodingException java/io/IOException
java/nio/charset/CharacterCodingException <init>()V
class java/nio/charset/Charset$1 java/lang/Object
java/nio/charset/Charset$1 c
java/nio/charset/Charset$1 cl
java/nio/charset/Charset$1 i
java/nio/charset/Charset$1 next
java/nio/charset/Charset$1
 <init>()V
java/nio/charset/Charset$1 getNext()Z
java/nio/charset/Charset$1 hasNext()Z
java/nio/charset/Charset$1 next()Ljava/lang/Object;
java/nio/charset/Charset$1 remove()V
class java/nio/charset/Charset$2 java/lang/Object
java/nio/charset/Charset$2 val$charsetName
java/nio/charset/Charset$2 <init>(Ljava/lang/String;)V
java/nio/charset/Charset$2 run()Ljava/lang/Object;
class java/nio/charset/Charset$3 java/lang/Object
java/nio/charset/Charset$3 <init>()V
java/nio/charset/Charset$3 run()Ljava/lang/Object;
class java/nio/charset/Charset$4 java/lang/Object
java/nio/charset/Charset$4 <init>()V
java/nio/charset/Charset$4 run()Ljava/lang/Object;
class java/nio/charset/CoderMalfunctionError java/lang/Error
java/nio/charset/CoderMalfunctionError <init>(Ljava/lang/Exception;)V
class java/nio/charset/IllegalCharsetNameException java/lang/IllegalArgumentException
java/nio/charset/IllegalCharsetNameException charsetName
java/nio/charset/IllegalCharsetNameException <init>(Ljava/lang/String;)V
java/nio/charset/IllegalCharsetNameException
 getCharsetName()Ljava/lang/String;
class java/nio/charset/MalformedInputException java/nio/charset/CharacterCodingException
java/nio/charset/MalformedInputException inputLength
java/nio/charset/MalformedInputException <init>(I)V
java/nio/charset/MalformedInputException getInputLength()I
java/nio/charset/MalformedInputException getMessage()Ljava/lang/String;
class java/nio/charset/UnmappableCharacterException java/nio/charset/CharacterCodingException
java/nio/charset/UnmappableCharacterException inputLength
java/nio/charset/UnmappableCharacterException <init>(I)V
java/nio/charset/UnmappableCharacterException getInputLength()I
java/nio/charset/UnmappableCharacterException getMessage()Ljava/lang/String;
class java/nio/charset/UnsupportedCharsetException java/lang/IllegalArgumentException
java/nio/charset/UnsupportedCharsetException charsetName
java/nio/charset/UnsupportedCharsetException <init>(Ljava/lang/String;)V
java/nio/charset/UnsupportedCharsetException
 getCharsetName()Ljava/lang/String;
class java/rmi/AccessException java/rmi/RemoteException
java/rmi/AccessException serialVersionUID

java/rmi/AccessException <init>(Ljava/lang/String;)V
java/rmi/AccessException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/AlreadyBoundException java/lang/Exception
java/rmi/AlreadyBoundException serialVersionUID
java/rmi/AlreadyBoundException <init>()V
java/rmi/AlreadyBoundException <init>(Ljava/lang/String;)V
class java/rmi/ConnectException java/rmi/RemoteException
java/rmi/ConnectException serialVersionUID
java/rmi/ConnectException <init>(Ljava/lang/String;)V
java/rmi/ConnectException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/ConnectIOException java/rmi/RemoteException
java/rmi/ConnectIOException serialVersionUID
java/rmi/ConnectIOException <init>(Ljava/lang/String;)V
java/rmi/ConnectIOException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/MarshalException java/rmi/RemoteException
java/rmi/MarshalException
serialVersionUID
java/rmi/MarshalException <init>(Ljava/lang/String;)V
java/rmi/MarshalException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/MarshalledObject$MarshalledObjectInputStream sun/rmi/server/MarshalInputStream
java/rmi/MarshalledObject$MarshalledObjectInputStream locIn
java/rmi/MarshalledObject$MarshalledObjectInputStream <init>(Ljava/io/InputStream;Ljava/io/InputStream;)V
java/rmi/MarshalledObject$MarshalledObjectInputStream readLocation()Ljava/lang/Object;
class java/rmi/MarshalledObject$MarshalledObjectOutputStream sun/rmi/server/MarshalOutputStream
java/rmi/MarshalledObject$MarshalledObjectOutputStream locOut
java/rmi/MarshalledObject$MarshalledObjectOutputStream hadAnnotations
java/rmi/MarshalledObject$MarshalledObjectOutputStream
<init>(Ljava/io/OutputStream;Ljava/io/OutputStream;)V
java/rmi/MarshalledObject$MarshalledObjectOutputStream hadAnnotations()Z
java/rmi/MarshalledObject$MarshalledObjectOutputStream writeLocation(Ljava/lang/String;)V
java/rmi/MarshalledObject$MarshalledObjectOutputStream
flush()V
class java/rmi/MarshalledObject java/lang/Object
java/rmi/MarshalledObject objBytes
java/rmi/MarshalledObject locBytes
java/rmi/MarshalledObject hash
java/rmi/MarshalledObject serialVersionUID
java/rmi/MarshalledObject <init>(Ljava/lang/Object;)V
java/rmi/MarshalledObject get()Ljava/lang/Object;
java/rmi/MarshalledObject hashCode()I
java/rmi/MarshalledObject equals(Ljava/lang/Object;)Z
class java/rmi/Naming$ParsedNamingURL java/lang/Object
java/rmi/Naming$ParsedNamingURL host
java/rmi/Naming$ParsedNamingURL port
java/rmi/Naming$ParsedNamingURL name
java/rmi/Naming$ParsedNamingURL <init>(Ljava/lang/String;ILjava/lang/String;)V
class java/rmi/Naming java/lang/Object
java/rmi/Naming <init>()V

java/rmi/Naming lookup(Ljava/lang/String;)Ljava/rmi/Remote;
java/rmi/Naming bind(Ljava/lang/String;Ljava/rmi/Remote;)V
java/rmi/Naming unbind(Ljava/lang/String;)V
java/rmi/Naming rebind(Ljava/lang/String;Ljava/rmi/Remote;)V
java/rmi/Naming
 list(Ljava/lang/String;)[Ljava/lang/String;
java/rmi/Naming getRegistry(Ljava/rmi/Naming$ParsedNamingURL;)Ljava/rmi/registry/Registry;
java/rmi/Naming parseURL(Ljava/lang/String;)Ljava/rmi/Naming$ParsedNamingURL;
class java/rmi/NoSuchObjectException java/rmi/RemoteException
java/rmi/NoSuchObjectException serialVersionUID
java/rmi/NoSuchObjectException <init>(Ljava/lang/String;)V
class java/rmi/NotBoundException java/lang/Exception
java/rmi/NotBoundException serialVersionUID
java/rmi/NotBoundException <init>()V
java/rmi/NotBoundException <init>(Ljava/lang/String;)V
class java/rmi/RMISecurityException java/lang/SecurityException
java/rmi/RMISecurityException serialVersionUID
java/rmi/RMISecurityException <init>(Ljava/lang/String;)V
java/rmi/RMISecurityException <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/rmi/RMISecurityManager java/lang/SecurityManager
java/rmi/RMISecurityManager <init>()V
class java/rmi/RemoteException java/io/IOException
java/rmi/RemoteException
 serialVersionUID
java/rmi/RemoteException detail
java/rmi/RemoteException <init>()V
java/rmi/RemoteException <init>(Ljava/lang/String;)V
java/rmi/RemoteException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/rmi/RemoteException getMessage()Ljava/lang/String;
java/rmi/RemoteException getCause()Ljava/lang/Throwable;
class java/rmi/ServerError java/rmi/RemoteException
java/rmi/ServerError serialVersionUID
java/rmi/ServerError <init>(Ljava/lang/String;Ljava/lang/Error;)V
class java/rmi/ServerException java/rmi/RemoteException
java/rmi/ServerException serialVersionUID
java/rmi/ServerException <init>(Ljava/lang/String;)V
java/rmi/ServerException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/ServerRuntimeException java/rmi/RemoteException
java/rmi/ServerRuntimeException serialVersionUID
java/rmi/ServerRuntimeException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/StubNotFoundException java/rmi/RemoteException
java/rmi/StubNotFoundException
 serialVersionUID
java/rmi/StubNotFoundException <init>(Ljava/lang/String;)V
java/rmi/StubNotFoundException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/UnexpectedException java/rmi/RemoteException
java/rmi/UnexpectedException serialVersionUID
java/rmi/UnexpectedException <init>(Ljava/lang/String;)V

java/rmi/UnexpectedException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/UnknownHostException java/rmi/RemoteException
java/rmi/UnknownHostException serialVersionUID
java/rmi/UnknownHostException <init>(Ljava/lang/String;)V
java/rmi/UnknownHostException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/UnmarshalException java/rmi/RemoteException
java/rmi/UnmarshalException serialVersionUID
java/rmi/UnmarshalException <init>(Ljava/lang/String;)V
java/rmi/UnmarshalException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/activation/Activatable java/rmi/server/RemoteServer
java/rmi/activation/Activatable id
java/rmi/activation/Activatable
serialVersionUID
java/rmi/activation/Activatable <init>(Ljava/lang/String;Ljava/rmi/MarshalledObject;ZI)V
java/rmi/activation/Activatable
<init>(Ljava/lang/String;Ljava/rmi/MarshalledObject;ZILjava/rmi/server/RMIClientSocketFactory;Ljava/rmi/server/RMIServerSocketFactory;)V
java/rmi/activation/Activatable <init>(Ljava/rmi/activation/ActivationID;I)V
java/rmi/activation/Activatable
<init>(Ljava/rmi/activation/ActivationID;ILjava/rmi/server/RMIClientSocketFactory;Ljava/rmi/server/RMIServerSocketFactory;)V
java/rmi/activation/Activatable getID()Ljava/rmi/activation/ActivationID;
java/rmi/activation/Activatable register(Ljava/rmi/activation/ActivationDesc;)Ljava/rmi/Remote;
java/rmi/activation/Activatable inactive(Ljava/rmi/activation/ActivationID;)Z
java/rmi/activation/Activatable unregister(Ljava/rmi/activation/ActivationID;)V
java/rmi/activation/Activatable
exportObject(Ljava/rmi/Remote;Ljava/lang/String;Ljava/rmi/MarshalledObject;ZI)Ljava/rmi/activation/ActivationID;
java/rmi/activation/Activatable
exportObject(Ljava/rmi/Remote;Ljava/lang/String;Ljava/rmi/MarshalledObject;ZILjava/rmi/server/RMIClientSocketFactory;Ljava/rmi/server/RMIServerSocketFactory;)Ljava/rmi/activation/ActivationID;
java/rmi/activation/Activatable
exportObject(Ljava/rmi/Remote;Ljava/rmi/activation/ActivationID;I)Ljava/rmi/Remote;
java/rmi/activation/Activatable
exportObject(Ljava/rmi/Remote;Ljava/rmi/activation/ActivationID;ILjava/rmi/server/RMIClientSocketFactory;Ljava/rmi/server/RMIServerSocketFactory;)Ljava/rmi/Remote;
java/rmi/activation/Activatable unexportObject(Ljava/rmi/Remote;Z)Z
java/rmi/activation/Activatable
exportObject(Ljava/rmi/Remote;Lsun/rmi/server/ActivatableServerRef;)Ljava/rmi/Remote;
class java/rmi/activation/ActivateFailedException java/rmi/RemoteException
java/rmi/activation/ActivateFailedException serialVersionUID
java/rmi/activation/ActivateFailedException <init>(Ljava/lang/String;)V
java/rmi/activation/ActivateFailedException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class
java/rmi/activation/ActivationDesc java/lang/Object
java/rmi/activation/ActivationDesc groupID
java/rmi/activation/ActivationDesc className
java/rmi/activation/ActivationDesc location

java/rmi/activation/ActivationDesc data
java/rmi/activation/ActivationDesc restart
java/rmi/activation/ActivationDesc serialVersionUID
java/rmi/activation/ActivationDesc <init>(Ljava/lang/String;Ljava/lang/String;Ljava/rmi/MarshalledObject;)V
java/rmi/activation/ActivationDesc <init>(Ljava/lang/String;Ljava/lang/String;Ljava/rmi/MarshalledObject;Z)V
java/rmi/activation/ActivationDesc
<init>(Ljava/rmi/activation/ActivationGroupID;Ljava/lang/String;Ljava/lang/String;Ljava/rmi/MarshalledObject;)V
java/rmi/activation/ActivationDesc
<init>(Ljava/rmi/activation/ActivationGroupID;Ljava/lang/String;Ljava/lang/String;Ljava/rmi/MarshalledObject;Z)
V
java/rmi/activation/ActivationDesc getGroupID()Ljava/rmi/activation/ActivationGroupID;
java/rmi/activation/ActivationDesc getClassName()Ljava/lang/String;
java/rmi/activation/ActivationDesc
getLocation()Ljava/lang/String;
java/rmi/activation/ActivationDesc getData()Ljava/rmi/MarshalledObject;
java/rmi/activation/ActivationDesc getRestartMode()Z
java/rmi/activation/ActivationDesc equals(Ljava/lang/Object;)Z
java/rmi/activation/ActivationDesc hashCode()I
class java/rmi/activation/ActivationException java/lang/Exception
java/rmi/activation/ActivationException detail
java/rmi/activation/ActivationException serialVersionUID
java/rmi/activation/ActivationException <init>()V
java/rmi/activation/ActivationException <init>(Ljava/lang/String;)V
java/rmi/activation/ActivationException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/rmi/activation/ActivationException getMessage()Ljava/lang/String;
java/rmi/activation/ActivationException getCause()Ljava/lang/Throwable;
class java/rmi/activation/ActivationGroup$1 java/lang/Object
java/rmi/activation/ActivationGroup$1 val$desc
java/rmi/activation/ActivationGroup$1 val$className
java/rmi/activation/ActivationGroup$1
<init>(Ljava/rmi/activation/ActivationGroupDesc;Ljava/lang/String;)V
java/rmi/activation/ActivationGroup$1 run()Ljava/lang/Object;
class java/rmi/activation/ActivationGroup java/rmi/server/UnicastRemoteObject
java/rmi/activation/ActivationGroup groupID
java/rmi/activation/ActivationGroup monitor
java/rmi/activation/ActivationGroup incarnation
java/rmi/activation/ActivationGroup currGroup
java/rmi/activation/ActivationGroup currGroupID
java/rmi/activation/ActivationGroup currSystem
java/rmi/activation/ActivationGroup canCreate
java/rmi/activation/ActivationGroup groupConstrParams
java/rmi/activation/ActivationGroup serialVersionUID
java/rmi/activation/ActivationGroup <init>(Ljava/rmi/activation/ActivationGroupID;)V
java/rmi/activation/ActivationGroup inactiveObject(Ljava/rmi/activation/ActivationID;)Z
java/rmi/activation/ActivationGroup activeObject(Ljava/rmi/activation/ActivationID;Ljava/rmi/Remote;)V
java/rmi/activation/ActivationGroup
createGroup(Ljava/rmi/activation/ActivationGroupID;Ljava/rmi/activation/ActivationGroupDesc;J)Ljava/rmi/activa
tion/ActivationGroup;

java/rmi/activation/ActivationGroup
currentGroupID()Ljava/rmi/activation/ActivationGroupID;
java/rmi/activation/ActivationGroup internalCurrentGroupID()Ljava/rmi/activation/ActivationGroupID;
java/rmi/activation/ActivationGroup setSystem(Ljava/rmi/activation/ActivationSystem;)V
java/rmi/activation/ActivationGroup getSystem()Ljava/rmi/activation/ActivationSystem;
java/rmi/activation/ActivationGroup
activeObject(Ljava/rmi/activation/ActivationID;Ljava/rmi/MarshalledObject;)V
java/rmi/activation/ActivationGroup inactiveGroup()V
java/rmi/activation/ActivationGroup getMonitor()Ljava/rmi/activation/ActivationMonitor;
java/rmi/activation/ActivationGroup destroyGroup()V
java/rmi/activation/ActivationGroup currentGroup()Ljava/rmi/activation/ActivationGroup;
java/rmi/activation/ActivationGroup <clinit>()V
class java/rmi/activation/ActivationGroupDesc$CommandEnvironment java/lang/Object
java/rmi/activation/ActivationGroupDesc$CommandEnvironment
serialVersionUID
java/rmi/activation/ActivationGroupDesc$CommandEnvironment command
java/rmi/activation/ActivationGroupDesc$CommandEnvironment options
java/rmi/activation/ActivationGroupDesc$CommandEnvironment <init>(Ljava/lang/String;[Ljava/lang/String;)V
java/rmi/activation/ActivationGroupDesc$CommandEnvironment getCommandPath()Ljava/lang/String;
java/rmi/activation/ActivationGroupDesc$CommandEnvironment getCommandOptions()[Ljava/lang/String;
java/rmi/activation/ActivationGroupDesc$CommandEnvironment equals(Ljava/lang/Object;)Z
java/rmi/activation/ActivationGroupDesc$CommandEnvironment hashCode()I
class java/rmi/activation/ActivationGroupDesc java/lang/Object
java/rmi/activation/ActivationGroupDesc className
java/rmi/activation/ActivationGroupDesc location
java/rmi/activation/ActivationGroupDesc data
java/rmi/activation/ActivationGroupDesc env
java/rmi/activation/ActivationGroupDesc props
java/rmi/activation/ActivationGroupDesc
serialVersionUID
java/rmi/activation/ActivationGroupDesc
<init>(Ljava/util/Properties;Ljava/rmi/activation/ActivationGroupDesc$CommandEnvironment;)V
java/rmi/activation/ActivationGroupDesc
<init>(Ljava/lang/String;Ljava/lang/String;Ljava/rmi/MarshalledObject;Ljava/util/Properties;Ljava/rmi/activation/A
ctivationGroupDesc$CommandEnvironment;)V
java/rmi/activation/ActivationGroupDesc getClassName()Ljava/lang/String;
java/rmi/activation/ActivationGroupDesc getLocation()Ljava/lang/String;
java/rmi/activation/ActivationGroupDesc getData()Ljava/rmi/MarshalledObject;
java/rmi/activation/ActivationGroupDesc getPropertyOverrides()Ljava/util/Properties;
java/rmi/activation/ActivationGroupDesc
getCommandEnvironment()Ljava/rmi/activation/ActivationGroupDesc$CommandEnvironment;
java/rmi/activation/ActivationGroupDesc equals(Ljava/lang/Object;)Z
java/rmi/activation/ActivationGroupDesc hashCode()I
class java/rmi/activation/ActivationGroupID java/lang/Object
java/rmi/activation/ActivationGroupID
system
java/rmi/activation/ActivationGroupID uid
java/rmi/activation/ActivationGroupID serialVersionUID

java/rmi/activation/ActivationGroupID <init>(Ljava/rmi/activation/ActivationSystem;)V
java/rmi/activation/ActivationGroupID getSystem()Ljava/rmi/activation/ActivationSystem;
java/rmi/activation/ActivationGroupID hashCode()I
java/rmi/activation/ActivationGroupID equals(Ljava/lang/Object;)Z
class java/rmi/activation/ActivationGroup_Stub java/rmi/server/RemoteStub
java/rmi/activation/ActivationGroup_Stub serialVersionUID
java/rmi/activation/ActivationGroup_Stub $method_newInstance_0
java/rmi/activation/ActivationGroup_Stub class$java$rmi$activation$ActivationInstantiator
java/rmi/activation/ActivationGroup_Stub class$java$rmi$activation$ActivationID
java/rmi/activation/ActivationGroup_Stub class$java$rmi$activation$ActivationDesc
java/rmi/activation/ActivationGroup_Stub <clinit>()V
java/rmi/activation/ActivationGroup_Stub <init>(Ljava/rmi/server/RemoteRef;)V
java/rmi/activation/ActivationGroup_Stub
class$(Ljava/lang/String;)Ljava/lang/Class;
java/rmi/activation/ActivationGroup_Stub
newInstance(Ljava/rmi/activation/ActivationID;Ljava/rmi/activation/ActivationDesc;)Ljava/rmi/MarshalledObject;
class java/rmi/activation/ActivationID java/lang/Object
java/rmi/activation/ActivationID activator
java/rmi/activation/ActivationID uid
java/rmi/activation/ActivationID serialVersionUID
java/rmi/activation/ActivationID <init>(Ljava/rmi/activation/Activator;)V
java/rmi/activation/ActivationID activate(Z)Ljava/rmi/Remote;
java/rmi/activation/ActivationID hashCode()I
java/rmi/activation/ActivationID equals(Ljava/lang/Object;)Z
java/rmi/activation/ActivationID writeObject(Ljava/io/ObjectOutputStream;)V
java/rmi/activation/ActivationID readObject(Ljava/io/ObjectInputStream;)V
class java/rmi/activation/ActivationInstantiator java/lang/Object
java/rmi/activation/ActivationInstantiator
newInstance(Ljava/rmi/activation/ActivationID;Ljava/rmi/activation/ActivationDesc;)Ljava/rmi/MarshalledObject;
class
java/rmi/activation/ActivationMonitor java/lang/Object
java/rmi/activation/ActivationMonitor inactiveObject(Ljava/rmi/activation/ActivationID;)V
java/rmi/activation/ActivationMonitor
activeObject(Ljava/rmi/activation/ActivationID;Ljava/rmi/MarshalledObject;)V
java/rmi/activation/ActivationMonitor inactiveGroup(Ljava/rmi/activation/ActivationGroupID;J)V
class java/rmi/activation/ActivationSystem java/lang/Object
java/rmi/activation/ActivationSystem SYSTEM_PORT
java/rmi/activation/ActivationSystem
registerObject(Ljava/rmi/activation/ActivationDesc;)Ljava/rmi/activation/ActivationID;
java/rmi/activation/ActivationSystem unregisterObject(Ljava/rmi/activation/ActivationID;)V
java/rmi/activation/ActivationSystem
registerGroup(Ljava/rmi/activation/ActivationGroupDesc;)Ljava/rmi/activation/ActivationGroupID;
java/rmi/activation/ActivationSystem
activeGroup(Ljava/rmi/activation/ActivationGroupID;Ljava/rmi/activation/ActivationInstantiator;J)Ljava/rmi/activation/ActivationMonitor;
java/rmi/activation/ActivationSystem
unregisterGroup(Ljava/rmi/activation/ActivationGroupID;)V
java/rmi/activation/ActivationSystem shutdown()V

java/rmi/activation/ActivationSystem
setActivationDesc(Ljava/rmi/activation/ActivationID;Ljava/rmi/activation/ActivationDesc;)Ljava/rmi/activation/Ac
tivationDesc;
java/rmi/activation/ActivationSystem
setActivationGroupDesc(Ljava/rmi/activation/ActivationGroupID;Ljava/rmi/activation/ActivationGroupDesc;)Ljav
a/rmi/activation/ActivationGroupDesc;
java/rmi/activation/ActivationSystem
getActivationDesc(Ljava/rmi/activation/ActivationID;)Ljava/rmi/activation/ActivationDesc;
java/rmi/activation/ActivationSystem
getActivationGroupDesc(Ljava/rmi/activation/ActivationGroupID;)Ljava/rmi/activation/ActivationGroupDesc;
class java/rmi/activation/Activator java/lang/Object
java/rmi/activation/Activator activate(Ljava/rmi/activation/ActivationID;Z)Ljava/rmi/MarshalledObject;
class java/rmi/activation/UnknownGroupException java/rmi/activation/ActivationException
java/rmi/activation/UnknownGroupException
 serialVersionUID
java/rmi/activation/UnknownGroupException <init>(Ljava/lang/String;)V
class java/rmi/activation/UnknownObjectException java/rmi/activation/ActivationException
java/rmi/activation/UnknownObjectException serialVersionUID
java/rmi/activation/UnknownObjectException <init>(Ljava/lang/String;)V
class java/rmi/dgc/DGC java/lang/Object
java/rmi/dgc/DGC dirty([Ljava/rmi/server/ObjID;JLjava/rmi/dgc/Lease;)Ljava/rmi/dgc/Lease;
java/rmi/dgc/DGC clean([Ljava/rmi/server/ObjID;JLjava/rmi/dgc/VMID;Z)V
class java/rmi/dgc/Lease java/lang/Object
java/rmi/dgc/Lease vmid
java/rmi/dgc/Lease value
java/rmi/dgc/Lease serialVersionUID
java/rmi/dgc/Lease <init>(Ljava/rmi/dgc/VMID;J)V
java/rmi/dgc/Lease getVMID()Ljava/rmi/dgc/VMID;
java/rmi/dgc/Lease getValue()J
class java/rmi/dgc/VMID$1 java/lang/Object
java/rmi/dgc/VMID$1 <init>()V
java/rmi/dgc/VMID$1 run()Ljava/lang/Object;
class java/rmi/dgc/VMID java/lang/Object
java/rmi/dgc/VMID localAddr
java/rmi/dgc/VMID
 addr
java/rmi/dgc/VMID uid
java/rmi/dgc/VMID serialVersionUID
java/rmi/dgc/VMID <init>()V
java/rmi/dgc/VMID isUnique()Z
java/rmi/dgc/VMID hashCode()I
java/rmi/dgc/VMID equals(Ljava/lang/Object;)Z
java/rmi/dgc/VMID toString()Ljava/lang/String;
java/rmi/dgc/VMID computeAddressHash()[B
java/rmi/dgc/VMID <clinit>()V
class java/rmi/registry/LocateRegistry java/lang/Object
java/rmi/registry/LocateRegistry <init>()V
java/rmi/registry/LocateRegistry getRegistry()Ljava/rmi/registry/Registry;

java/rmi/registry/LocateRegistry getRegistry(I)Ljava/rmi/registry/Registry;
java/rmi/registry/LocateRegistry getRegistry(Ljava/lang/String;)Ljava/rmi/registry/Registry;
java/rmi/registry/LocateRegistry getRegistry(Ljava/lang/String;I)Ljava/rmi/registry/Registry;
java/rmi/registry/LocateRegistry
getRegistry(Ljava/lang/String;ILjava/rmi/server/RMIClientSocketFactory;)Ljava/rmi/registry/Registry;
java/rmi/registry/LocateRegistry createRegistry(I)Ljava/rmi/registry/Registry;
java/rmi/registry/LocateRegistry
createRegistry(ILjava/rmi/server/RMIClientSocketFactory;Ljava/rmi/server/RMIServerSocketFactory;)Ljava/rmi/re
gistry/Registry;
class java/rmi/registry/Registry java/lang/Object
java/rmi/registry/Registry REGISTRY_PORT
java/rmi/registry/Registry lookup(Ljava/lang/String;)Ljava/rmi/Remote;
java/rmi/registry/Registry bind(Ljava/lang/String;Ljava/rmi/Remote;)V
java/rmi/registry/Registry unbind(Ljava/lang/String;)V
java/rmi/registry/Registry rebind(Ljava/lang/String;Ljava/rmi/Remote;)V
java/rmi/registry/Registry list()[Ljava/lang/String;
class java/rmi/registry/RegistryHandler java/lang/Object
java/rmi/registry/RegistryHandler registryStub(Ljava/lang/String;I)Ljava/rmi/registry/Registry;
java/rmi/registry/RegistryHandler registryImpl(I)Ljava/rmi/registry/Registry;
class java/rmi/server/ExportException java/rmi/RemoteException
java/rmi/server/ExportException serialVersionUID
java/rmi/server/ExportException <init>(Ljava/lang/String;)V
java/rmi/server/ExportException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class
java/rmi/server/LoaderHandler java/lang/Object
java/rmi/server/LoaderHandler packagePrefix
java/rmi/server/LoaderHandler loadClass(Ljava/lang/String;)Ljava/lang/Class;
java/rmi/server/LoaderHandler loadClass(Ljava/net/URL;Ljava/lang/String;)Ljava/lang/Class;
java/rmi/server/LoaderHandler getSecurityContext(Ljava/lang/ClassLoader;)Ljava/lang/Object;
class java/rmi/server/LogStream java/io/PrintStream
java/rmi/server/LogStream known
java/rmi/server/LogStream defaultStream
java/rmi/server/LogStream name
java/rmi/server/LogStream logOut
java/rmi/server/LogStream logWriter
java/rmi/server/LogStream buffer
java/rmi/server/LogStream bufOut
java/rmi/server/LogStream SILENT
java/rmi/server/LogStream BRIEF
java/rmi/server/LogStream VERBOSE
java/rmi/server/LogStream <init>(Ljava/lang/String;Ljava/io/OutputStream;)V
java/rmi/server/LogStream log(Ljava/lang/String;)Ljava/rmi/server/LogStream;
java/rmi/server/LogStream getDefaultStream()Ljava/io/PrintStream;
java/rmi/server/LogStream
setDefaultStream(Ljava/io/PrintStream;)V
java/rmi/server/LogStream getOutputStream()Ljava/io/OutputStream;
java/rmi/server/LogStream setOutputStream(Ljava/io/OutputStream;)V
java/rmi/server/LogStream write(I)V

java/rmi/server/LogStream write([BII)V
java/rmi/server/LogStream toString()Ljava/lang/String;
java/rmi/server/LogStream parseLevel(Ljava/lang/String;)I
java/rmi/server/LogStream <clinit>()V
class java/rmi/server/ObjID$1 java/lang/Object
class java/rmi/server/ObjID$InsecureRandom java/util/Random
java/rmi/server/ObjID$InsecureRandom serialVersionUID
java/rmi/server/ObjID$InsecureRandom nextNum
java/rmi/server/ObjID$InsecureRandom <init>()V
java/rmi/server/ObjID$InsecureRandom nextLong()J
java/rmi/server/ObjID$InsecureRandom <init>(Ljava/rmi/server/ObjID$1;)V
class java/rmi/server/ObjID java/lang/Object
java/rmi/server/ObjID REGISTRY_ID
java/rmi/server/ObjID ACTIVATOR_ID
java/rmi/server/ObjID DGC_ID
java/rmi/server/ObjID serialVersionUID
java/rmi/server/ObjID
 mySpace
java/rmi/server/ObjID generator
java/rmi/server/ObjID objNum
java/rmi/server/ObjID space
java/rmi/server/ObjID <init>()V
java/rmi/server/ObjID <init>(I)V
java/rmi/server/ObjID <init>(JLjava/rmi/server/UID;)V
java/rmi/server/ObjID write(Ljava/io/ObjectOutput;)V
java/rmi/server/ObjID read(Ljava/io/ObjectInput;)Ljava/rmi/server/ObjID;
java/rmi/server/ObjID hashCode()I
java/rmi/server/ObjID equals(Ljava/lang/Object;)Z
java/rmi/server/ObjID toString()Ljava/lang/String;
java/rmi/server/ObjID <clinit>()V
class java/rmi/server/Operation java/lang/Object
java/rmi/server/Operation operation
java/rmi/server/Operation <init>(Ljava/lang/String;)V
java/rmi/server/Operation getOperation()Ljava/lang/String;
java/rmi/server/Operation toString()Ljava/lang/String;
class java/rmi/server/RMIClassLoader$1 java/lang/Object
java/rmi/server/RMIClassLoader$1 <init>()V
java/rmi/server/RMIClassLoader$1 run()Ljava/lang/Object;
class java/rmi/server/RMIClassLoader$2 java/rmi/server/RMIClassLoaderSpi
java/rmi/server/RMIClassLoader$2
 <init>()V
java/rmi/server/RMIClassLoader$2
loadClass(Ljava/lang/String;Ljava/lang/String;Ljava/lang/ClassLoader;)Ljava/lang/Class;
java/rmi/server/RMIClassLoader$2
loadProxyClass(Ljava/lang/String;[Ljava/lang/String;Ljava/lang/ClassLoader;)Ljava/lang/Class;
java/rmi/server/RMIClassLoader$2 getClassLoader(Ljava/lang/String;)Ljava/lang/ClassLoader;
java/rmi/server/RMIClassLoader$2 getClassAnnotation(Ljava/lang/Class;)Ljava/lang/String;
class java/rmi/server/RMIClassLoader java/lang/Object

java/rmi/server/RMIClassLoader defaultProvider
java/rmi/server/RMIClassLoader provider
java/rmi/server/RMIClassLoader <init>()V
java/rmi/server/RMIClassLoader loadClass(Ljava/lang/String;)Ljava/lang/Class;
java/rmi/server/RMIClassLoader loadClass(Ljava/net/URL;Ljava/lang/String;)Ljava/lang/Class;
java/rmi/server/RMIClassLoader loadClass(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/Class;
java/rmi/server/RMIClassLoader
loadClass(Ljava/lang/String;Ljava/lang/String;Ljava/lang/ClassLoader;)Ljava/lang/Class;
java/rmi/server/RMIClassLoader
loadProxyClass(Ljava/lang/String;[Ljava/lang/String;Ljava/lang/ClassLoader;)Ljava/lang/Class;
java/rmi/server/RMIClassLoader getClassLoader(Ljava/lang/String;)Ljava/lang/ClassLoader;
java/rmi/server/RMIClassLoader getClassAnnotation(Ljava/lang/Class;)Ljava/lang/String;
java/rmi/server/RMIClassLoader getDefaultProviderInstance()Ljava/rmi/server/RMIClassLoaderSpi;
java/rmi/server/RMIClassLoader getSecurityContext(Ljava/lang/ClassLoader;)Ljava/lang/Object;
java/rmi/server/RMIClassLoader newDefaultProviderInstance()Ljava/rmi/server/RMIClassLoaderSpi;
java/rmi/server/RMIClassLoader initializeProvider()Ljava/rmi/server/RMIClassLoaderSpi;
java/rmi/server/RMIClassLoader access$000()Ljava/rmi/server/RMIClassLoaderSpi;
java/rmi/server/RMIClassLoader <clinit>()V
class java/rmi/server/RMIClassLoaderSpi java/lang/Object
java/rmi/server/RMIClassLoaderSpi <init>()V
java/rmi/server/RMIClassLoaderSpi
loadClass(Ljava/lang/String;Ljava/lang/String;Ljava/lang/ClassLoader;)Ljava/lang/Class;
java/rmi/server/RMIClassLoaderSpi
loadProxyClass(Ljava/lang/String;[Ljava/lang/String;Ljava/lang/ClassLoader;)Ljava/lang/Class;
java/rmi/server/RMIClassLoaderSpi getClassLoader(Ljava/lang/String;)Ljava/lang/ClassLoader;
java/rmi/server/RMIClassLoaderSpi getClassAnnotation(Ljava/lang/Class;)Ljava/lang/String;
class java/rmi/server/RMIClientSocketFactory java/lang/Object
java/rmi/server/RMIClientSocketFactory createSocket(Ljava/lang/String;I)Ljava/net/Socket;
class java/rmi/server/RMIFailureHandler java/lang/Object
java/rmi/server/RMIFailureHandler failure(Ljava/lang/Exception;)Z
class java/rmi/server/RMIServerSocketFactory java/lang/Object
java/rmi/server/RMIServerSocketFactory createServerSocket(I)Ljava/net/ServerSocket;
class java/rmi/server/RMISocketFactory java/lang/Object
java/rmi/server/RMISocketFactory factory
java/rmi/server/RMISocketFactory defaultSocketFactory
java/rmi/server/RMISocketFactory handler
java/rmi/server/RMISocketFactory
<init>()V
java/rmi/server/RMISocketFactory createSocket(Ljava/lang/String;I)Ljava/net/Socket;
java/rmi/server/RMISocketFactory createServerSocket(I)Ljava/net/ServerSocket;
java/rmi/server/RMISocketFactory setSocketFactory(Ljava/rmi/server/RMISocketFactory;)V
java/rmi/server/RMISocketFactory getSocketFactory()Ljava/rmi/server/RMISocketFactory;
java/rmi/server/RMISocketFactory getDefaultSocketFactory()Ljava/rmi/server/RMISocketFactory;
java/rmi/server/RMISocketFactory setFailureHandler(Ljava/rmi/server/RMIFailureHandler;)V
java/rmi/server/RMISocketFactory getFailureHandler()Ljava/rmi/server/RMIFailureHandler;
java/rmi/server/RMISocketFactory <clinit>()V
class java/rmi/server/RemoteCall java/lang/Object
java/rmi/server/RemoteCall getOutputStream()Ljava/io/ObjectOutput;

java/rmi/server/RemoteCall releaseOutputStream()V
java/rmi/server/RemoteCall getInputStream()Ljava/io/ObjectInput;
java/rmi/server/RemoteCall releaseInputStream()V
java/rmi/server/RemoteCall getResultStream(Z)Ljava/io/ObjectOutput;
java/rmi/server/RemoteCall
executeCall()V
java/rmi/server/RemoteCall done()V
class java/rmi/server/RemoteObject java/lang/Object
java/rmi/server/RemoteObject ref
java/rmi/server/RemoteObject serialVersionUID
java/rmi/server/RemoteObject <init>()V
java/rmi/server/RemoteObject <init>(Ljava/rmi/server/RemoteRef;)V
java/rmi/server/RemoteObject getRef()Ljava/rmi/server/RemoteRef;
java/rmi/server/RemoteObject toStub(Ljava/rmi/Remote;)Ljava/rmi/Remote;
java/rmi/server/RemoteObject hashCode()I
java/rmi/server/RemoteObject equals(Ljava/lang/Object;)Z
java/rmi/server/RemoteObject toString()Ljava/lang/String;
java/rmi/server/RemoteObject writeObject(Ljava/io/ObjectOutputStream;)V
java/rmi/server/RemoteObject readObject(Ljava/io/ObjectInputStream;)V
class java/rmi/server/RemoteObjectInvocationHandler$MethodToHash_Maps$1 java/util/WeakHashMap
java/rmi/server/RemoteObjectInvocationHandler$MethodToHash_Maps$1 this$0
java/rmi/server/RemoteObjectInvocationHandler$MethodToHash_Maps$1
<init>(Ljava/rmi/server/RemoteObjectInvocationHandler$MethodToHash_Maps;)V
java/rmi/server/RemoteObjectInvocationHandler$MethodToHash_Maps$1
get(Ljava/lang/Object;)Ljava/lang/Object;
class java/rmi/server/RemoteObjectInvocationHandler$MethodToHash_Maps sun/rmi/server/WeakClassHashMap
java/rmi/server/RemoteObjectInvocationHandler$MethodToHash_Maps <init>()V
java/rmi/server/RemoteObjectInvocationHandler$MethodToHash_Maps
createMap(Ljava/lang/Class;)Ljava/util/Map;
class java/rmi/server/RemoteObjectInvocationHandler java/rmi/server/RemoteObject
java/rmi/server/RemoteObjectInvocationHandler serialVersionUID
java/rmi/server/RemoteObjectInvocationHandler methodToHash_Maps
java/rmi/server/RemoteObjectInvocationHandler <init>(Ljava/rmi/server/RemoteRef;)V
java/rmi/server/RemoteObjectInvocationHandler
invoke(Ljava/lang/Object;Ljava/lang/reflect/Method;[Ljava/lang/Object;)Ljava/lang/Object;
java/rmi/server/RemoteObjectInvocationHandler
invokeObjectMethod(Ljava/lang/Object;Ljava/lang/reflect/Method;[Ljava/lang/Object;)Ljava/lang/Object;
java/rmi/server/RemoteObjectInvocationHandler
invokeRemoteMethod(Ljava/lang/Object;Ljava/lang/reflect/Method;[Ljava/lang/Object;)Ljava/lang/Object;
java/rmi/server/RemoteObjectInvocationHandler proxyToString(Ljava/lang/Object;)Ljava/lang/String;
java/rmi/server/RemoteObjectInvocationHandler readObjectNoData()V
java/rmi/server/RemoteObjectInvocationHandler getMethodHash(Ljava/lang/reflect/Method;)J
java/rmi/server/RemoteObjectInvocationHandler <clinit>()V
class java/rmi/server/RemoteRef java/lang/Object
java/rmi/server/RemoteRef serialVersionUID
java/rmi/server/RemoteRef packagePrefix
java/rmi/server/RemoteRef
invoke(Ljava/rmi/Remote;Ljava/lang/reflect/Method;[Ljava/lang/Object;J)Ljava/lang/Object;

java/rmi/server/RemoteRef
newCall(Ljava/rmi/server/RemoteObject;[Ljava/rmi/server/Operation;IJ)Ljava/rmi/server/RemoteCall;
java/rmi/server/RemoteRef invoke(Ljava/rmi/server/RemoteCall;)V
java/rmi/server/RemoteRef done(Ljava/rmi/server/RemoteCall;)V
java/rmi/server/RemoteRef
getRefClass(Ljava/io/ObjectOutput;)Ljava/lang/String;
java/rmi/server/RemoteRef remoteHashCode()I
java/rmi/server/RemoteRef remoteEquals(Ljava/rmi/server/RemoteRef;)Z
java/rmi/server/RemoteRef remoteToString()Ljava/lang/String;
class java/rmi/server/RemoteServer java/rmi/server/RemoteObject
java/rmi/server/RemoteServer serialVersionUID
java/rmi/server/RemoteServer logNull
java/rmi/server/RemoteServer <init>()V
java/rmi/server/RemoteServer <init>(Ljava/rmi/server/RemoteRef;)V
java/rmi/server/RemoteServer getClientHost()Ljava/lang/String;
java/rmi/server/RemoteServer setLog(Ljava/io/OutputStream;)V
java/rmi/server/RemoteServer getLog()Ljava/io/PrintStream;
java/rmi/server/RemoteServer <clinit>()V
class java/rmi/server/RemoteStub java/rmi/server/RemoteObject
java/rmi/server/RemoteStub serialVersionUID
java/rmi/server/RemoteStub <init>()V
java/rmi/server/RemoteStub <init>(Ljava/rmi/server/RemoteRef;)V
java/rmi/server/RemoteStub setRef(Ljava/rmi/server/RemoteStub;Ljava/rmi/server/RemoteRef;)V
class
java/rmi/server/ServerCloneException java/lang/CloneNotSupportedException
java/rmi/server/ServerCloneException detail
java/rmi/server/ServerCloneException serialVersionUID
java/rmi/server/ServerCloneException <init>(Ljava/lang/String;)V
java/rmi/server/ServerCloneException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
java/rmi/server/ServerCloneException getMessage()Ljava/lang/String;
java/rmi/server/ServerCloneException getCause()Ljava/lang/Throwable;
class java/rmi/server/ServerNotActiveException java/lang/Exception
java/rmi/server/ServerNotActiveException serialVersionUID
java/rmi/server/ServerNotActiveException <init>()V
java/rmi/server/ServerNotActiveException <init>(Ljava/lang/String;)V
class java/rmi/server/ServerRef java/lang/Object
java/rmi/server/ServerRef serialVersionUID
java/rmi/server/ServerRef exportObject(Ljava/rmi/Remote;Ljava/lang/Object;)Ljava/rmi/server/RemoteStub;
java/rmi/server/ServerRef getClientHost()Ljava/lang/String;
class
java/rmi/server/Skeleton java/lang/Object
java/rmi/server/Skeleton dispatch(Ljava/rmi/Remote;Ljava/rmi/server/RemoteCall;IJ)V
java/rmi/server/Skeleton getOperations()[Ljava/rmi/server/Operation;
class java/rmi/server/SkeletonMismatchException java/rmi/RemoteException
java/rmi/server/SkeletonMismatchException serialVersionUID
java/rmi/server/SkeletonMismatchException <init>(Ljava/lang/String;)V
class java/rmi/server/SkeletonNotFoundException java/rmi/RemoteException
java/rmi/server/SkeletonNotFoundException serialVersionUID

java/rmi/server/SkeletonNotFoundException <init>(Ljava/lang/String;)V
java/rmi/server/SkeletonNotFoundException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/server/SocketSecurityException java/rmi/server/ExportException
java/rmi/server/SocketSecurityException serialVersionUID
java/rmi/server/SocketSecurityException <init>(Ljava/lang/String;)V
java/rmi/server/SocketSecurityException <init>(Ljava/lang/String;Ljava/lang/Exception;)V
class java/rmi/server/UID
 java/lang/Object
java/rmi/server/UID ONE_SECOND
java/rmi/server/UID hostUnique
java/rmi/server/UID hostUniqueSet
java/rmi/server/UID lock
java/rmi/server/UID lastTime
java/rmi/server/UID lastCount
java/rmi/server/UID serialVersionUID
java/rmi/server/UID unique
java/rmi/server/UID time
java/rmi/server/UID count
java/rmi/server/UID <init>()V
java/rmi/server/UID <init>(S)V
java/rmi/server/UID <init>(IJS)V
java/rmi/server/UID hashCode()I
java/rmi/server/UID equals(Ljava/lang/Object;)Z
java/rmi/server/UID toString()Ljava/lang/String;
java/rmi/server/UID write(Ljava/io/DataOutput;)V
java/rmi/server/UID read(Ljava/io/DataInput;)Ljava/rmi/server/UID;
java/rmi/server/UID <clinit>()V
class java/rmi/server/UnicastRemoteObject java/rmi/server/RemoteServer
java/rmi/server/UnicastRemoteObject port
java/rmi/server/UnicastRemoteObject csf
java/rmi/server/UnicastRemoteObject ssf
java/rmi/server/UnicastRemoteObject serialVersionUID
java/rmi/server/UnicastRemoteObject <init>()V
java/rmi/server/UnicastRemoteObject
 <init>(I)V
java/rmi/server/UnicastRemoteObject
<init>(ILjava/rmi/server/RMIClientSocketFactory;Ljava/rmi/server/RMIServerSocketFactory;)V
java/rmi/server/UnicastRemoteObject readObject(Ljava/io/ObjectInputStream;)V
java/rmi/server/UnicastRemoteObject clone()Ljava/lang/Object;
java/rmi/server/UnicastRemoteObject reexport()V
java/rmi/server/UnicastRemoteObject exportObject(Ljava/rmi/Remote;)Ljava/rmi/server/RemoteStub;
java/rmi/server/UnicastRemoteObject exportObject(Ljava/rmi/Remote;I)Ljava/rmi/Remote;
java/rmi/server/UnicastRemoteObject
exportObject(Ljava/rmi/Remote;ILjava/rmi/server/RMIClientSocketFactory;Ljava/rmi/server/RMIServerSocketFact
ory;)Ljava/rmi/Remote;
java/rmi/server/UnicastRemoteObject unexportObject(Ljava/rmi/Remote;Z)Z
java/rmi/server/UnicastRemoteObject
exportObject(Ljava/rmi/Remote;Lsun/rmi/server/UnicastServerRef;)Ljava/rmi/Remote;

class java/rmi/server/Unreferenced java/lang/Object
java/rmi/server/Unreferenced unreferenced()V
class java/security/AccessControlContext$1
 java/lang/Object
java/security/AccessControlContext$1 val$db
java/security/AccessControlContext$1 val$pd
java/security/AccessControlContext$1 this$0
java/security/AccessControlContext$1
<init>(Ljava/security/AccessControlContext;Lsun/security/util/Debug;Ljava/security/ProtectionDomain;)V
java/security/AccessControlContext$1 run()Ljava/lang/Object;
class java/security/AccessControlException java/lang/SecurityException
java/security/AccessControlException serialVersionUID
java/security/AccessControlException perm
java/security/AccessControlException <init>(Ljava/lang/String;)V
java/security/AccessControlException <init>(Ljava/lang/String;Ljava/security/Permission;)V
java/security/AccessControlException getPermission()Ljava/security/Permission;
class java/security/AlgorithmParameterGenerator java/lang/Object
java/security/AlgorithmParameterGenerator provider
java/security/AlgorithmParameterGenerator paramGenSpi
java/security/AlgorithmParameterGenerator algorithm
java/security/AlgorithmParameterGenerator
 <init>(Ljava/security/AlgorithmParameterGeneratorSpi;Ljava/security/Provider;Ljava/lang/String;)V
java/security/AlgorithmParameterGenerator getAlgorithm()Ljava/lang/String;
java/security/AlgorithmParameterGenerator
getInstance(Ljava/lang/String;)Ljava/security/AlgorithmParameterGenerator;
java/security/AlgorithmParameterGenerator
getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/AlgorithmParameterGenerator;
java/security/AlgorithmParameterGenerator
getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/AlgorithmParameterGenerator;
java/security/AlgorithmParameterGenerator getProvider()Ljava/security/Provider;
java/security/AlgorithmParameterGenerator init(I)V
java/security/AlgorithmParameterGenerator init(ILjava/security/SecureRandom;)V
java/security/AlgorithmParameterGenerator init(Ljava/security/spec/AlgorithmParameterSpec;)V
java/security/AlgorithmParameterGenerator
init(Ljava/security/spec/AlgorithmParameterSpec;Ljava/security/SecureRandom;)V
java/security/AlgorithmParameterGenerator
 generateParameters()Ljava/security/AlgorithmParameters;
class java/security/AlgorithmParameterGeneratorSpi java/lang/Object
java/security/AlgorithmParameterGeneratorSpi <init>()V
java/security/AlgorithmParameterGeneratorSpi engineInit(ILjava/security/SecureRandom;)V
java/security/AlgorithmParameterGeneratorSpi
engineInit(Ljava/security/spec/AlgorithmParameterSpec;Ljava/security/SecureRandom;)V
java/security/AlgorithmParameterGeneratorSpi engineGenerateParameters()Ljava/security/AlgorithmParameters;
class java/security/AllPermissionCollection$1 java/lang/Object
java/security/AllPermissionCollection$1 hasMore
java/security/AllPermissionCollection$1 this$0
java/security/AllPermissionCollection$1 <init>(Ljava/security/AllPermissionCollection;)V
java/security/AllPermissionCollection$1 hasMoreElements()Z

java/security/AllPermissionCollection$1 nextElement()Ljava/lang/Object;
class java/security/AuthProvider java/security/Provider
java/security/AuthProvider
 <init>(Ljava/lang/String;DLjava/lang/String;)V
java/security/AuthProvider login(Ljavax/security/auth/Subject;Ljavax/security/auth/callback/CallbackHandler;)V
java/security/AuthProvider logout()V
java/security/AuthProvider setCallbackHandler(Ljavax/security/auth/callback/CallbackHandler;)V
class java/security/Certificate java/lang/Object
java/security/Certificate getGuarantor()Ljava/security/Principal;
java/security/Certificate getPrincipal()Ljava/security/Principal;
java/security/Certificate getPublicKey()Ljava/security/PublicKey;
java/security/Certificate encode(Ljava/io/OutputStream;)V
java/security/Certificate decode(Ljava/io/InputStream;)V
java/security/Certificate getFormat()Ljava/lang/String;
java/security/Certificate toString(Z)Ljava/lang/String;
class java/security/DigestException java/security/GeneralSecurityException
java/security/DigestException serialVersionUID
java/security/DigestException <init>()V
java/security/DigestException <init>(Ljava/lang/String;)V
java/security/DigestException
 <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/DigestException <init>(Ljava/lang/Throwable;)V
class java/security/DigestInputStream java/io/FilterInputStream
java/security/DigestInputStream on
java/security/DigestInputStream digest
java/security/DigestInputStream <init>(Ljava/io/InputStream;Ljava/security/MessageDigest;)V
java/security/DigestInputStream getMessageDigest()Ljava/security/MessageDigest;
java/security/DigestInputStream setMessageDigest(Ljava/security/MessageDigest;)V
java/security/DigestInputStream read()I
java/security/DigestInputStream read([BII)I
java/security/DigestInputStream on(Z)V
java/security/DigestInputStream toString()Ljava/lang/String;
class java/security/DigestOutputStream java/io/FilterOutputStream
java/security/DigestOutputStream on
java/security/DigestOutputStream digest
java/security/DigestOutputStream <init>(Ljava/io/OutputStream;Ljava/security/MessageDigest;)V
java/security/DigestOutputStream
 getMessageDigest()Ljava/security/MessageDigest;
java/security/DigestOutputStream setMessageDigest(Ljava/security/MessageDigest;)V
java/security/DigestOutputStream write(I)V
java/security/DigestOutputStream write([BII)V
java/security/DigestOutputStream on(Z)V
java/security/DigestOutputStream toString()Ljava/lang/String;
class java/security/GuardedObject java/lang/Object
java/security/GuardedObject serialVersionUID
java/security/GuardedObject object
java/security/GuardedObject guard
java/security/GuardedObject <init>(Ljava/lang/Object;Ljava/security/Guard;)V

java/security/GuardedObject getObject()Ljava/lang/Object;
java/security/GuardedObject writeObject(Ljava/io/ObjectOutputStream;)V
class java/security/Identity java/lang/Object
java/security/Identity serialVersionUID
java/security/Identity name
java/security/Identity publicKey
java/security/Identity info
java/security/Identity scope
java/security/Identity certificates
java/security/Identity <init>()V
java/security/Identity <init>(Ljava/lang/String;Ljava/security/IdentityScope;)V
java/security/Identity
 <init>(Ljava/lang/String;)V
java/security/Identity getName()Ljava/lang/String;
java/security/Identity getScope()Ljava/security/IdentityScope;
java/security/Identity getPublicKey()Ljava/security/PublicKey;
java/security/Identity setPublicKey(Ljava/security/PublicKey;)V
java/security/Identity setInfo(Ljava/lang/String;)V
java/security/Identity getInfo()Ljava/lang/String;
java/security/Identity addCertificate(Ljava/security/Certificate;)V
java/security/Identity keyEquals(Ljava/security/Key;Ljava/security/Key;)Z
java/security/Identity removeCertificate(Ljava/security/Certificate;)V
java/security/Identity certificates()[Ljava/security/Certificate;
java/security/Identity equals(Ljava/lang/Object;)Z
java/security/Identity identityEquals(Ljava/security/Identity;)Z
java/security/Identity fullName()Ljava/lang/String;
java/security/Identity toString()Ljava/lang/String;
java/security/Identity toString(Z)Ljava/lang/String;
java/security/Identity
 printKeys()Ljava/lang/String;
java/security/Identity printCertificates()Ljava/lang/String;
java/security/Identity hashCode()I
java/security/Identity check(Ljava/lang/String;)V
class java/security/IdentityScope$1 java/lang/Object
java/security/IdentityScope$1 <init>()V
java/security/IdentityScope$1 run()Ljava/lang/Object;
class java/security/IdentityScope java/security/Identity
java/security/IdentityScope serialVersionUID
java/security/IdentityScope scope
java/security/IdentityScope initializeSystemScope()V
java/security/IdentityScope <init>()V
java/security/IdentityScope <init>(Ljava/lang/String;)V
java/security/IdentityScope <init>(Ljava/lang/String;Ljava/security/IdentityScope;)V
java/security/IdentityScope getSystemScope()Ljava/security/IdentityScope;
java/security/IdentityScope setSystemScope(Ljava/security/IdentityScope;)V
java/security/IdentityScope size()I
java/security/IdentityScope getIdentity(Ljava/lang/String;)Ljava/security/Identity;
java/security/IdentityScope

getIdentity(Ljava/security/Principal;)Ljava/security/Identity;
java/security/IdentityScope getIdentity(Ljava/security/PublicKey;)Ljava/security/Identity;
java/security/IdentityScope addIdentity(Ljava/security/Identity;)V
java/security/IdentityScope removeIdentity(Ljava/security/Identity;)V
java/security/IdentityScope identities()Ljava/util/Enumeration;
java/security/IdentityScope toString()Ljava/lang/String;
java/security/IdentityScope check(Ljava/lang/String;)V
class java/security/InvalidAlgorithmParameterException java/security/GeneralSecurityException
java/security/InvalidAlgorithmParameterException serialVersionUID
java/security/InvalidAlgorithmParameterException <init>()V
java/security/InvalidAlgorithmParameterException <init>(Ljava/lang/String;)V
java/security/InvalidAlgorithmParameterException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/InvalidAlgorithmParameterException <init>(Ljava/lang/Throwable;)V
class java/security/InvalidParameterException java/lang/IllegalArgumentException
java/security/InvalidParameterException
serialVersionUID
java/security/InvalidParameterException <init>()V
java/security/InvalidParameterException <init>(Ljava/lang/String;)V
class java/security/KeyManagementException java/security/KeyException
java/security/KeyManagementException serialVersionUID
java/security/KeyManagementException <init>()V
java/security/KeyManagementException <init>(Ljava/lang/String;)V
java/security/KeyManagementException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/KeyManagementException <init>(Ljava/lang/Throwable;)V
class java/security/KeyPair java/lang/Object
java/security/KeyPair serialVersionUID
java/security/KeyPair privateKey
java/security/KeyPair publicKey
java/security/KeyPair <init>(Ljava/security/PublicKey;Ljava/security/PrivateKey;)V
java/security/KeyPair getPublic()Ljava/security/PublicKey;
java/security/KeyPair getPrivate()Ljava/security/PrivateKey;
class java/security/KeyPairGenerator$Delegate java/security/KeyPairGenerator
java/security/KeyPairGenerator$Delegate
spi
java/security/KeyPairGenerator$Delegate lock
java/security/KeyPairGenerator$Delegate serviceIterator
java/security/KeyPairGenerator$Delegate I_NONE
java/security/KeyPairGenerator$Delegate I_SIZE
java/security/KeyPairGenerator$Delegate I_PARAMS
java/security/KeyPairGenerator$Delegate initType
java/security/KeyPairGenerator$Delegate initKeySize
java/security/KeyPairGenerator$Delegate initParams
java/security/KeyPairGenerator$Delegate initRandom
java/security/KeyPairGenerator$Delegate <init>(Ljava/security/KeyPairGeneratorSpi;Ljava/lang/String;)V
java/security/KeyPairGenerator$Delegate
<init>(Lsun/security/jca/GetInstance$Instance;Ljava/util/Iterator;Ljava/lang/String;)V
java/security/KeyPairGenerator$Delegate
nextSpi(Ljava/security/KeyPairGeneratorSpi;Z)Ljava/security/KeyPairGeneratorSpi;

java/security/KeyPairGenerator$Delegate disableFailover()V
java/security/KeyPairGenerator$Delegate initialize(ILjava/security/SecureRandom;)V
java/security/KeyPairGenerator$Delegate
initialize(Ljava/security/spec/AlgorithmParameterSpec;Ljava/security/SecureRandom;)V
java/security/KeyPairGenerator$Delegate generateKeyPair()Ljava/security/KeyPair;
class java/security/KeyPairGenerator java/security/KeyPairGeneratorSpi
java/security/KeyPairGenerator algorithm
java/security/KeyPairGenerator provider
java/security/KeyPairGenerator <init>(Ljava/lang/String;)V
java/security/KeyPairGenerator getAlgorithm()Ljava/lang/String;
java/security/KeyPairGenerator
getInstance(Lsun/security/jca/GetInstance$Instance;Ljava/lang/String;)Ljava/security/KeyPairGenerator;
java/security/KeyPairGenerator getInstance(Ljava/lang/String;)Ljava/security/KeyPairGenerator;
java/security/KeyPairGenerator getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/KeyPairGenerator;
java/security/KeyPairGenerator
getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/KeyPairGenerator;
java/security/KeyPairGenerator getProvider()Ljava/security/Provider;
java/security/KeyPairGenerator
disableFailover()V
java/security/KeyPairGenerator initialize(I)V
java/security/KeyPairGenerator initialize(ILjava/security/SecureRandom;)V
java/security/KeyPairGenerator initialize(Ljava/security/spec/AlgorithmParameterSpec;)V
java/security/KeyPairGenerator
initialize(Ljava/security/spec/AlgorithmParameterSpec;Ljava/security/SecureRandom;)V
java/security/KeyPairGenerator genKeyPair()Ljava/security/KeyPair;
java/security/KeyPairGenerator generateKeyPair()Ljava/security/KeyPair;
class java/security/KeyPairGeneratorSpi java/lang/Object
java/security/KeyPairGeneratorSpi <init>()V
java/security/KeyPairGeneratorSpi initialize(ILjava/security/SecureRandom;)V
java/security/KeyPairGeneratorSpi
initialize(Ljava/security/spec/AlgorithmParameterSpec;Ljava/security/SecureRandom;)V
java/security/KeyPairGeneratorSpi generateKeyPair()Ljava/security/KeyPair;
class java/security/KeyRep$Type java/lang/Enum
java/security/KeyRep$Type SECRET
java/security/KeyRep$Type
PUBLIC
java/security/KeyRep$Type PRIVATE
java/security/KeyRep$Type $VALUES
java/security/KeyRep$Type values()[Ljava/security/KeyRep$Type;
java/security/KeyRep$Type valueOf(Ljava/lang/String;)Ljava/security/KeyRep$Type;
java/security/KeyRep$Type <init>(Ljava/lang/String;I)V
java/security/KeyRep$Type <clinit>()V
class java/security/KeyRep java/lang/Object
java/security/KeyRep serialVersionUID
java/security/KeyRep PKCS8
java/security/KeyRep X509
java/security/KeyRep RAW
java/security/KeyRep type

java/security/KeyRep algorithm
java/security/KeyRep format
java/security/KeyRep encoded
java/security/KeyRep <init>(Ljava/security/KeyRep$Type;Ljava/lang/String;Ljava/lang/String;[B)V
java/security/KeyRep readResolve()Ljava/lang/Object;
class java/security/KeyStore$1 java/lang/Object
java/security/KeyStore$1 <init>()V
java/security/KeyStore$1 run()Ljava/lang/Object;
class java/security/KeyStore$Builder$1 java/security/KeyStore$Builder
java/security/KeyStore$Builder$1 getCalled
java/security/KeyStore$Builder$1
 val$keyStore
java/security/KeyStore$Builder$1 val$protectionParameter
java/security/KeyStore$Builder$1 <init>(Ljava/security/KeyStore;Ljava/security/KeyStore$ProtectionParameter;)V
java/security/KeyStore$Builder$1 getKeyStore()Ljava/security/KeyStore;
java/security/KeyStore$Builder$1
getProtectionParameter(Ljava/lang/String;)Ljava/security/KeyStore$ProtectionParameter;
class java/security/KeyStore$Builder$2$1 java/lang/Object
java/security/KeyStore$Builder$2$1 this$0
java/security/KeyStore$Builder$2$1 <init>(Ljava/security/KeyStore$Builder$2;)V
java/security/KeyStore$Builder$2$1 run()Ljava/lang/Object;
class java/security/KeyStore$Builder$2 java/security/KeyStore$Builder
java/security/KeyStore$Builder$2 getCalled
java/security/KeyStore$Builder$2 action
java/security/KeyStore$Builder$2 val$provider
java/security/KeyStore$Builder$2 val$type
java/security/KeyStore$Builder$2 val$protection
java/security/KeyStore$Builder$2
<init>(Ljava/security/Provider;Ljava/lang/String;Ljava/security/KeyStore$ProtectionParameter;)V
java/security/KeyStore$Builder$2
 getKeyStore()Ljava/security/KeyStore;
java/security/KeyStore$Builder$2
getProtectionParameter(Ljava/lang/String;)Ljava/security/KeyStore$ProtectionParameter;
java/security/KeyStore$Builder$2 access$502(Ljava/security/KeyStore$Builder$2;Z)Z
class java/security/KeyStore$Builder$FileBuilder$1 java/lang/Object
java/security/KeyStore$Builder$FileBuilder$1 this$0
java/security/KeyStore$Builder$FileBuilder$1 <init>(Ljava/security/KeyStore$Builder$FileBuilder;)V
java/security/KeyStore$Builder$FileBuilder$1 run()Ljava/lang/Object;
class java/security/KeyStore$Builder$FileBuilder java/security/KeyStore$Builder
java/security/KeyStore$Builder$FileBuilder type
java/security/KeyStore$Builder$FileBuilder provider
java/security/KeyStore$Builder$FileBuilder file
java/security/KeyStore$Builder$FileBuilder protection
java/security/KeyStore$Builder$FileBuilder context
java/security/KeyStore$Builder$FileBuilder keyStore
java/security/KeyStore$Builder$FileBuilder
 oldException
java/security/KeyStore$Builder$FileBuilder

<init>(Ljava/lang/String;Ljava/security/Provider;Ljava/io/File;Ljava/security/KeyStore$ProtectionParameter;Ljava/security/AccessControlContext;)V
java/security/KeyStore$Builder$FileBuilder getKeyStore()Ljava/security/KeyStore;
java/security/KeyStore$Builder$FileBuilder
getProtectionParameter(Ljava/lang/String;)Ljava/security/KeyStore$ProtectionParameter;
java/security/KeyStore$Builder$FileBuilder
access$100(Ljava/security/KeyStore$Builder$FileBuilder;)Ljava/security/Provider;
java/security/KeyStore$Builder$FileBuilder
access$200(Ljava/security/KeyStore$Builder$FileBuilder;)Ljava/lang/String;
java/security/KeyStore$Builder$FileBuilder
access$300(Ljava/security/KeyStore$Builder$FileBuilder;)Ljava/io/File;
java/security/KeyStore$Builder$FileBuilder
access$400(Ljava/security/KeyStore$Builder$FileBuilder;)Ljava/security/KeyStore$ProtectionParameter;
java/security/KeyStore$Builder$FileBuilder
access$402(Ljava/security/KeyStore$Builder$FileBuilder;Ljava/security/KeyStore$ProtectionParameter;)Ljava/security/KeyStore$ProtectionParameter;
class
 java/security/KeyStore$Builder java/lang/Object
java/security/KeyStore$Builder <init>()V
java/security/KeyStore$Builder getKeyStore()Ljava/security/KeyStore;
java/security/KeyStore$Builder
getProtectionParameter(Ljava/lang/String;)Ljava/security/KeyStore$ProtectionParameter;
java/security/KeyStore$Builder
newInstance(Ljava/security/KeyStore;Ljava/security/KeyStore$ProtectionParameter;)Ljava/security/KeyStore$Builder;
java/security/KeyStore$Builder
newInstance(Ljava/lang/String;Ljava/security/Provider;Ljava/io/File;Ljava/security/KeyStore$ProtectionParameter;)Ljava/security/KeyStore$Builder;
java/security/KeyStore$Builder
newInstance(Ljava/lang/String;Ljava/security/Provider;Ljava/security/KeyStore$ProtectionParameter;)Ljava/security/KeyStore$Builder;
class java/security/KeyStore$CallbackHandlerProtection java/lang/Object
java/security/KeyStore$CallbackHandlerProtection
 handler
java/security/KeyStore$CallbackHandlerProtection <init>(Ljavax/security/auth/callback/CallbackHandler;)V
java/security/KeyStore$CallbackHandlerProtection
getCallbackHandler()Ljavax/security/auth/callback/CallbackHandler;
class java/security/KeyStore$Entry java/lang/Object
class java/security/KeyStore$LoadStoreParameter java/lang/Object
java/security/KeyStore$LoadStoreParameter
getProtectionParameter()Ljava/security/KeyStore$ProtectionParameter;
class java/security/KeyStore$PasswordProtection java/lang/Object
java/security/KeyStore$PasswordProtection password
java/security/KeyStore$PasswordProtection destroyed
java/security/KeyStore$PasswordProtection <init>([C)V
java/security/KeyStore$PasswordProtection getPassword()[C
java/security/KeyStore$PasswordProtection destroy()V
java/security/KeyStore$PasswordProtection isDestroyed()Z

class java/security/KeyStore$PrivateKeyEntry java/lang/Object
java/security/KeyStore$PrivateKeyEntry privKey
java/security/KeyStore$PrivateKeyEntry
 chain
java/security/KeyStore$PrivateKeyEntry <init>(Ljava/security/PrivateKey;[Ljava/security/cert/Certificate;)V
java/security/KeyStore$PrivateKeyEntry getPrivateKey()Ljava/security/PrivateKey;
java/security/KeyStore$PrivateKeyEntry getCertificateChain()[Ljava/security/cert/Certificate;
java/security/KeyStore$PrivateKeyEntry getCertificate()Ljava/security/cert/Certificate;
java/security/KeyStore$PrivateKeyEntry toString()Ljava/lang/String;
class java/security/KeyStore$ProtectionParameter java/lang/Object
class java/security/KeyStore$SecretKeyEntry java/lang/Object
java/security/KeyStore$SecretKeyEntry sKey
java/security/KeyStore$SecretKeyEntry <init>(Ljavax/crypto/SecretKey;)V
java/security/KeyStore$SecretKeyEntry getSecretKey()Ljavax/crypto/SecretKey;
java/security/KeyStore$SecretKeyEntry toString()Ljava/lang/String;
class java/security/KeyStore$SimpleLoadStoreParameter java/lang/Object
java/security/KeyStore$SimpleLoadStoreParameter protection
java/security/KeyStore$SimpleLoadStoreParameter
 <init>(Ljava/security/KeyStore$ProtectionParameter;)V
java/security/KeyStore$SimpleLoadStoreParameter
getProtectionParameter()Ljava/security/KeyStore$ProtectionParameter;
class java/security/KeyStore$TrustedCertificateEntry java/lang/Object
java/security/KeyStore$TrustedCertificateEntry cert
java/security/KeyStore$TrustedCertificateEntry <init>(Ljava/security/cert/Certificate;)V
java/security/KeyStore$TrustedCertificateEntry getTrustedCertificate()Ljava/security/cert/Certificate;
java/security/KeyStore$TrustedCertificateEntry toString()Ljava/lang/String;
class java/security/KeyStore java/lang/Object
java/security/KeyStore KEYSTORE_TYPE
java/security/KeyStore type
java/security/KeyStore provider
java/security/KeyStore keyStoreSpi
java/security/KeyStore initialized
java/security/KeyStore <init>(Ljava/security/KeyStoreSpi;Ljava/security/Provider;Ljava/lang/String;)V
java/security/KeyStore getInstance(Ljava/lang/String;)Ljava/security/KeyStore;
java/security/KeyStore
 getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/KeyStore;
java/security/KeyStore getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/KeyStore;
java/security/KeyStore getDefaultType()Ljava/lang/String;
java/security/KeyStore getProvider()Ljava/security/Provider;
java/security/KeyStore getType()Ljava/lang/String;
java/security/KeyStore getKey(Ljava/lang/String;[C)Ljava/security/Key;
java/security/KeyStore getCertificateChain(Ljava/lang/String;)[Ljava/security/cert/Certificate;
java/security/KeyStore getCertificate(Ljava/lang/String;)Ljava/security/cert/Certificate;
java/security/KeyStore getCreationDate(Ljava/lang/String;)Ljava/util/Date;
java/security/KeyStore setKeyEntry(Ljava/lang/String;Ljava/security/Key;[C[Ljava/security/cert/Certificate;)V
java/security/KeyStore setKeyEntry(Ljava/lang/String;[B[Ljava/security/cert/Certificate;)V
java/security/KeyStore setCertificateEntry(Ljava/lang/String;Ljava/security/cert/Certificate;)V
java/security/KeyStore

deleteEntry(Ljava/lang/String;)V
java/security/KeyStore aliases()Ljava/util/Enumeration;
java/security/KeyStore containsAlias(Ljava/lang/String;)Z
java/security/KeyStore size()I
java/security/KeyStore isKeyEntry(Ljava/lang/String;)Z
java/security/KeyStore isCertificateEntry(Ljava/lang/String;)Z
java/security/KeyStore getCertificateAlias(Ljava/security/cert/Certificate;)Ljava/lang/String;
java/security/KeyStore store(Ljava/io/OutputStream;[C)V
java/security/KeyStore store(Ljava/security/KeyStore$LoadStoreParameter;)V
java/security/KeyStore load(Ljava/io/InputStream;[C)V
java/security/KeyStore load(Ljava/security/KeyStore$LoadStoreParameter;)V
java/security/KeyStore
getEntry(Ljava/lang/String;Ljava/security/KeyStore$ProtectionParameter;)Ljava/security/KeyStore$Entry;
java/security/KeyStore
setEntry(Ljava/lang/String;Ljava/security/KeyStore$Entry;Ljava/security/KeyStore$ProtectionParameter;)V
java/security/KeyStore entryInstanceOf(Ljava/lang/String;Ljava/lang/Class;)Z
java/security/KeyStore
access$000(Ljava/security/KeyStore;)Z
class java/security/KeyStoreException java/security/GeneralSecurityException
java/security/KeyStoreException serialVersionUID
java/security/KeyStoreException <init>()V
java/security/KeyStoreException <init>(Ljava/lang/String;)V
java/security/KeyStoreException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/KeyStoreException <init>(Ljava/lang/Throwable;)V
class java/security/KeyStoreSpi java/lang/Object
java/security/KeyStoreSpi <init>()V
java/security/KeyStoreSpi engineGetKey(Ljava/lang/String;[C)Ljava/security/Key;
java/security/KeyStoreSpi engineGetCertificateChain(Ljava/lang/String;)[Ljava/security/cert/Certificate;
java/security/KeyStoreSpi engineGetCertificate(Ljava/lang/String;)Ljava/security/cert/Certificate;
java/security/KeyStoreSpi engineGetCreationDate(Ljava/lang/String;)Ljava/util/Date;
java/security/KeyStoreSpi
engineSetKeyEntry(Ljava/lang/String;Ljava/security/Key;[C[Ljava/security/cert/Certificate;)V
java/security/KeyStoreSpi
engineSetKeyEntry(Ljava/lang/String;[B[Ljava/security/cert/Certificate;)V
java/security/KeyStoreSpi engineSetCertificateEntry(Ljava/lang/String;Ljava/security/cert/Certificate;)V
java/security/KeyStoreSpi engineDeleteEntry(Ljava/lang/String;)V
java/security/KeyStoreSpi engineAliases()Ljava/util/Enumeration;
java/security/KeyStoreSpi engineContainsAlias(Ljava/lang/String;)Z
java/security/KeyStoreSpi engineSize()I
java/security/KeyStoreSpi engineIsKeyEntry(Ljava/lang/String;)Z
java/security/KeyStoreSpi engineIsCertificateEntry(Ljava/lang/String;)Z
java/security/KeyStoreSpi engineGetCertificateAlias(Ljava/security/cert/Certificate;)Ljava/lang/String;
java/security/KeyStoreSpi engineStore(Ljava/io/OutputStream;[C)V
java/security/KeyStoreSpi engineStore(Ljava/security/KeyStore$LoadStoreParameter;)V
java/security/KeyStoreSpi engineLoad(Ljava/io/InputStream;[C)V
java/security/KeyStoreSpi engineLoad(Ljava/security/KeyStore$LoadStoreParameter;)V
java/security/KeyStoreSpi
engineGetEntry(Ljava/lang/String;Ljava/security/KeyStore$ProtectionParameter;)Ljava/security/KeyStore$Entry;

java/security/KeyStoreSpi
 engineSetEntry(Ljava/lang/String;Ljava/security/KeyStore$Entry;Ljava/security/KeyStore$ProtectionParameter;)V
java/security/KeyStoreSpi engineEntryInstanceOf(Ljava/lang/String;Ljava/lang/Class;)Z
class java/security/NoSuchProviderException java/security/GeneralSecurityException
java/security/NoSuchProviderException serialVersionUID
java/security/NoSuchProviderException <init>()V
java/security/NoSuchProviderException <init>(Ljava/lang/String;)V
class java/security/PermissionsHash java/security/PermissionCollection
java/security/PermissionsHash permsMap
java/security/PermissionsHash serialVersionUID
java/security/PermissionsHash serialPersistentFields
java/security/PermissionsHash <init>()V
java/security/PermissionsHash add(Ljava/security/Permission;)V
java/security/PermissionsHash implies(Ljava/security/Permission;)Z
java/security/PermissionsHash elements()Ljava/util/Enumeration;
java/security/PermissionsHash
 writeObject(Ljava/io/ObjectOutputStream;)V
java/security/PermissionsHash readObject(Ljava/io/ObjectInputStream;)V
java/security/PermissionsHash <clinit>()V
class java/security/Policy$2 java/lang/Object
java/security/Policy$2 val$pc
java/security/Policy$2 <init>(Ljava/lang/String;)V
java/security/Policy$2 run()Ljava/lang/Object;
class java/security/Policy$3 java/lang/Object
java/security/Policy$3 val$p
java/security/Policy$3 <init>(Ljava/security/Policy;)V
java/security/Policy$3 run()Ljava/lang/Object;
class java/security/ProtectionDomain$1 java/lang/Object
java/security/ProtectionDomain$1 this$0
java/security/ProtectionDomain$1 <init>(Ljava/security/ProtectionDomain;)V
java/security/ProtectionDomain$1 run()Ljava/lang/Object;
class java/security/Provider$1 java/lang/Object
class java/security/Provider$EngineDescription java/lang/Object
java/security/Provider$EngineDescription name
java/security/Provider$EngineDescription constructor
java/security/Provider$EngineDescription
 supportsParameter
java/security/Provider$EngineDescription <init>(Ljava/lang/String;ZZ)V
class java/security/Provider$UString java/lang/Object
java/security/Provider$UString string
java/security/Provider$UString lowerString
java/security/Provider$UString <init>(Ljava/lang/String;)V
java/security/Provider$UString hashCode()I
java/security/Provider$UString equals(Ljava/lang/Object;)Z
java/security/Provider$UString toString()Ljava/lang/String;
class java/security/ProviderException java/lang/RuntimeException
java/security/ProviderException serialVersionUID
java/security/ProviderException <init>()V

java/security/ProviderException <init>(Ljava/lang/String;)V
java/security/ProviderException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/ProviderException <init>(Ljava/lang/Throwable;)V
class java/security/SecureRandom java/util/Random
java/security/SecureRandom provider
java/security/SecureRandom secureRandomSpi
java/security/SecureRandom
 algorithm
java/security/SecureRandom seedGenerator
java/security/SecureRandom serialVersionUID
java/security/SecureRandom state
java/security/SecureRandom digest
java/security/SecureRandom randomBytes
java/security/SecureRandom randomBytesUsed
java/security/SecureRandom counter
java/security/SecureRandom <init>()V
java/security/SecureRandom <init>([B)V
java/security/SecureRandom getDefaultPRNG(Z[B)V
java/security/SecureRandom <init>(Ljava/security/SecureRandomSpi;Ljava/security/Provider;)V
java/security/SecureRandom <init>(Ljava/security/SecureRandomSpi;Ljava/security/Provider;Ljava/lang/String;)V
java/security/SecureRandom getInstance(Ljava/lang/String;)Ljava/security/SecureRandom;
java/security/SecureRandom getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/SecureRandom;
java/security/SecureRandom getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/SecureRandom;
java/security/SecureRandom getSecureRandomSpi()Ljava/security/SecureRandomSpi;
java/security/SecureRandom
 getProvider()Ljava/security/Provider;
java/security/SecureRandom getAlgorithm()Ljava/lang/String;
java/security/SecureRandom setSeed([B)V
java/security/SecureRandom setSeed(J)V
java/security/SecureRandom nextBytes([B)V
java/security/SecureRandom next(I)I
java/security/SecureRandom getSeed(I)[B
java/security/SecureRandom generateSeed(I)[B
java/security/SecureRandom longToByteArray(J)[B
java/security/SecureRandom getPrngAlgorithm()Ljava/lang/String;
java/security/SecureRandom <clinit>()V
class java/security/SecureRandomSpi java/lang/Object
java/security/SecureRandomSpi serialVersionUID
java/security/SecureRandomSpi <init>()V
java/security/SecureRandomSpi engineSetSeed([B)V
java/security/SecureRandomSpi engineNextBytes([B)V
java/security/SecureRandomSpi engineGenerateSeed(I)[B
class java/security/Security$2 java/lang/Object
java/security/Security$2 val$pa
java/security/Security$2 <init>(Z)V
java/security/Security$2 run()Ljava/lang/Object;
class java/security/Security$ProviderProperty

java/lang/Object
java/security/Security$ProviderProperty className
java/security/Security$ProviderProperty provider
java/security/Security$ProviderProperty <init>()V
java/security/Security$ProviderProperty <init>(Ljava/security/Security$1;)V
class java/security/Signature$CipherAdapter java/security/SignatureSpi
java/security/Signature$CipherAdapter cipher
java/security/Signature$CipherAdapter data
java/security/Signature$CipherAdapter <init>(Ljavax/crypto/Cipher;)V
java/security/Signature$CipherAdapter engineInitVerify(Ljava/security/PublicKey;)V
java/security/Signature$CipherAdapter engineInitSign(Ljava/security/PrivateKey;)V
java/security/Signature$CipherAdapter engineInitSign(Ljava/security/PrivateKey;Ljava/security/SecureRandom;)V
java/security/Signature$CipherAdapter engineUpdate(B)V
java/security/Signature$CipherAdapter engineUpdate([BII)V
java/security/Signature$CipherAdapter engineSign()[B
java/security/Signature$CipherAdapter engineVerify([B)Z
java/security/Signature$CipherAdapter
engineSetParameter(Ljava/lang/String;Ljava/lang/Object;)V
java/security/Signature$CipherAdapter engineGetParameter(Ljava/lang/String;)Ljava/lang/Object;
class java/security/SignedObject java/lang/Object
java/security/SignedObject serialVersionUID
java/security/SignedObject content
java/security/SignedObject signature
java/security/SignedObject thealgorithm
java/security/SignedObject <init>(Ljava/io/Serializable;Ljava/security/PrivateKey;Ljava/security/Signature;)V
java/security/SignedObject getObject()Ljava/lang/Object;
java/security/SignedObject getSignature()[B
java/security/SignedObject getAlgorithm()Ljava/lang/String;
java/security/SignedObject verify(Ljava/security/PublicKey;Ljava/security/Signature;)Z
java/security/SignedObject sign(Ljava/security/PrivateKey;Ljava/security/Signature;)V
java/security/SignedObject readObject(Ljava/io/ObjectInputStream;)V
class java/security/Signer$1 java/lang/Object
java/security/Signer$1 val$pub
java/security/Signer$1 this$0
java/security/Signer$1
<init>(Ljava/security/Signer;Ljava/security/PublicKey;)V
java/security/Signer$1 run()Ljava/lang/Object;
class java/security/Signer java/security/Identity
java/security/Signer serialVersionUID
java/security/Signer privateKey
java/security/Signer <init>()V
java/security/Signer <init>(Ljava/lang/String;)V
java/security/Signer <init>(Ljava/lang/String;Ljava/security/IdentityScope;)V
java/security/Signer getPrivateKey()Ljava/security/PrivateKey;
java/security/Signer setKeyPair(Ljava/security/KeyPair;)V
java/security/Signer printKeys()Ljava/lang/String;
java/security/Signer toString()Ljava/lang/String;
java/security/Signer check(Ljava/lang/String;)V

class java/security/Timestamp java/lang/Object
java/security/Timestamp serialVersionUID
java/security/Timestamp timestamp
java/security/Timestamp signerCertPath
java/security/Timestamp myhash
java/security/Timestamp <init>(Ljava/util/Date;Ljava/security/cert/CertPath;)V
java/security/Timestamp getTimestamp()Ljava/util/Date;
java/security/Timestamp
getSignerCertPath()Ljava/security/cert/CertPath;
java/security/Timestamp hashCode()I
java/security/Timestamp equals(Ljava/lang/Object;)Z
java/security/Timestamp toString()Ljava/lang/String;
class java/security/UnrecoverableEntryException java/security/GeneralSecurityException
java/security/UnrecoverableEntryException serialVersionUID
java/security/UnrecoverableEntryException <init>()V
java/security/UnrecoverableEntryException <init>(Ljava/lang/String;)V
class java/security/UnrecoverableKeyException java/security/GeneralSecurityException
java/security/UnrecoverableKeyException serialVersionUID
java/security/UnrecoverableKeyException <init>()V
java/security/UnrecoverableKeyException <init>(Ljava/lang/String;)V
class java/security/UnresolvedPermissionCollection java/security/PermissionCollection
java/security/UnresolvedPermissionCollection perms
java/security/UnresolvedPermissionCollection serialVersionUID
java/security/UnresolvedPermissionCollection serialPersistentFields
java/security/UnresolvedPermissionCollection
<init>()V
java/security/UnresolvedPermissionCollection add(Ljava/security/Permission;)V
java/security/UnresolvedPermissionCollection
getUnresolvedPermissions(Ljava/security/Permission;)Ljava/util/List;
java/security/UnresolvedPermissionCollection implies(Ljava/security/Permission;)Z
java/security/UnresolvedPermissionCollection elements()Ljava/util/Enumeration;
java/security/UnresolvedPermissionCollection writeObject(Ljava/io/ObjectOutputStream;)V
java/security/UnresolvedPermissionCollection readObject(Ljava/io/ObjectInputStream;)V
java/security/UnresolvedPermissionCollection <clinit>()V
class java/security/acl/Acl java/lang/Object
java/security/acl/Acl setName(Ljava/security/Principal;Ljava/lang/String;)V
java/security/acl/Acl getName()Ljava/lang/String;
java/security/acl/Acl addEntry(Ljava/security/Principal;Ljava/security/acl/AclEntry;)Z
java/security/acl/Acl removeEntry(Ljava/security/Principal;Ljava/security/acl/AclEntry;)Z
java/security/acl/Acl
getPermissions(Ljava/security/Principal;)Ljava/util/Enumeration;
java/security/acl/Acl entries()Ljava/util/Enumeration;
java/security/acl/Acl checkPermission(Ljava/security/Principal;Ljava/security/acl/Permission;)Z
java/security/acl/Acl toString()Ljava/lang/String;
class java/security/acl/AclEntry java/lang/Object
java/security/acl/AclEntry setPrincipal(Ljava/security/Principal;)Z
java/security/acl/AclEntry getPrincipal()Ljava/security/Principal;
java/security/acl/AclEntry setNegativePermissions()V

java/security/acl/AclEntry isNegative()Z
java/security/acl/AclEntry addPermission(Ljava/security/acl/Permission;)Z
java/security/acl/AclEntry removePermission(Ljava/security/acl/Permission;)Z
java/security/acl/AclEntry checkPermission(Ljava/security/acl/Permission;)Z
java/security/acl/AclEntry permissions()Ljava/util/Enumeration;
java/security/acl/AclEntry toString()Ljava/lang/String;
java/security/acl/AclEntry clone()Ljava/lang/Object;
class java/security/acl/AclNotFoundException
 java/lang/Exception
java/security/acl/AclNotFoundException serialVersionUID
java/security/acl/AclNotFoundException <init>()V
class java/security/acl/Group java/lang/Object
java/security/acl/Group addMember(Ljava/security/Principal;)Z
java/security/acl/Group removeMember(Ljava/security/Principal;)Z
java/security/acl/Group isMember(Ljava/security/Principal;)Z
java/security/acl/Group members()Ljava/util/Enumeration;
class java/security/acl/LastOwnerException java/lang/Exception
java/security/acl/LastOwnerException serialVersionUID
java/security/acl/LastOwnerException <init>()V
class java/security/acl/NotOwnerException java/lang/Exception
java/security/acl/NotOwnerException serialVersionUID
java/security/acl/NotOwnerException <init>()V
class java/security/acl/Owner java/lang/Object
java/security/acl/Owner addOwner(Ljava/security/Principal;Ljava/security/Principal;)Z
java/security/acl/Owner deleteOwner(Ljava/security/Principal;Ljava/security/Principal;)Z
java/security/acl/Owner isOwner(Ljava/security/Principal;)Z
class
 java/security/acl/Permission java/lang/Object
java/security/acl/Permission equals(Ljava/lang/Object;)Z
java/security/acl/Permission toString()Ljava/lang/String;
class java/security/cert/CRL java/lang/Object
java/security/cert/CRL type
java/security/cert/CRL <init>(Ljava/lang/String;)V
java/security/cert/CRL getType()Ljava/lang/String;
java/security/cert/CRL toString()Ljava/lang/String;
java/security/cert/CRL isRevoked(Ljava/security/cert/Certificate;)Z
class java/security/cert/CRLException java/security/GeneralSecurityException
java/security/cert/CRLException serialVersionUID
java/security/cert/CRLException <init>()V
java/security/cert/CRLException <init>(Ljava/lang/String;)V
java/security/cert/CRLException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/cert/CRLException <init>(Ljava/lang/Throwable;)V
class java/security/cert/CRLSelector java/lang/Object
java/security/cert/CRLSelector match(Ljava/security/cert/CRL;)Z
java/security/cert/CRLSelector
 clone()Ljava/lang/Object;
class java/security/cert/CertPath$CertPathRep java/lang/Object
java/security/cert/CertPath$CertPathRep serialVersionUID

java/security/cert/CertPath$CertPathRep type
java/security/cert/CertPath$CertPathRep data
java/security/cert/CertPath$CertPathRep <init>(Ljava/lang/String;[B)V
java/security/cert/CertPath$CertPathRep readResolve()Ljava/lang/Object;
class java/security/cert/CertPathBuilder$1 java/lang/Object
java/security/cert/CertPathBuilder$1 <init>()V
java/security/cert/CertPathBuilder$1 run()Ljava/lang/Object;
class java/security/cert/CertPathBuilder java/lang/Object
java/security/cert/CertPathBuilder CPB_TYPE
java/security/cert/CertPathBuilder debug
java/security/cert/CertPathBuilder builderSpi
java/security/cert/CertPathBuilder provider
java/security/cert/CertPathBuilder algorithm
java/security/cert/CertPathBuilder
<init>(Ljava/security/cert/CertPathBuilderSpi;Ljava/security/Provider;Ljava/lang/String;)V
java/security/cert/CertPathBuilder getInstance(Ljava/lang/String;)Ljava/security/cert/CertPathBuilder;
java/security/cert/CertPathBuilder
getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/cert/CertPathBuilder;
java/security/cert/CertPathBuilder
getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/cert/CertPathBuilder;
java/security/cert/CertPathBuilder getProvider()Ljava/security/Provider;
java/security/cert/CertPathBuilder getAlgorithm()Ljava/lang/String;
java/security/cert/CertPathBuilder
build(Ljava/security/cert/CertPathParameters;)Ljava/security/cert/CertPathBuilderResult;
java/security/cert/CertPathBuilder getDefaultType()Ljava/lang/String;
java/security/cert/CertPathBuilder <clinit>()V
class java/security/cert/CertPathBuilderException java/security/GeneralSecurityException
java/security/cert/CertPathBuilderException serialVersionUID
java/security/cert/CertPathBuilderException <init>()V
java/security/cert/CertPathBuilderException <init>(Ljava/lang/String;)V
java/security/cert/CertPathBuilderException
<init>(Ljava/lang/Throwable;)V
java/security/cert/CertPathBuilderException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
class java/security/cert/CertPathBuilderResult java/lang/Object
java/security/cert/CertPathBuilderResult getCertPath()Ljava/security/cert/CertPath;
java/security/cert/CertPathBuilderResult clone()Ljava/lang/Object;
class java/security/cert/CertPathBuilderSpi java/lang/Object
java/security/cert/CertPathBuilderSpi <init>()V
java/security/cert/CertPathBuilderSpi
engineBuild(Ljava/security/cert/CertPathParameters;)Ljava/security/cert/CertPathBuilderResult;
class java/security/cert/CertPathHelperImpl sun/security/provider/certpath/CertPathHelper
java/security/cert/CertPathHelperImpl <init>()V
java/security/cert/CertPathHelperImpl initialize()V
java/security/cert/CertPathHelperImpl
implSetSubject(Ljava/security/cert/X509CertSelector;Ljavax/security/auth/x500/X500Principal;)V
java/security/cert/CertPathHelperImpl
implGetSubject(Ljava/security/cert/X509CertSelector;)Ljavax/security/auth/x500/X500Principal;
java/security/cert/CertPathHelperImpl

implSetIssuer(Ljava/security/cert/X509CertSelector;Ljavax/security/auth/x500/X500Principal;)V
java/security/cert/CertPathHelperImpl
implGetIssuer(Ljava/security/cert/X509CertSelector;)Ljavax/security/auth/x500/X500Principal;
java/security/cert/CertPathHelperImpl
implGetCA(Ljava/security/cert/TrustAnchor;)Ljavax/security/auth/x500/X500Principal;
java/security/cert/CertPathHelperImpl implSetPathToNames(Ljava/security/cert/X509CertSelector;Ljava/util/Set;)V
java/security/cert/CertPathHelperImpl
implAddIssuer(Ljava/security/cert/X509CRLSelector;Ljavax/security/auth/x500/X500Principal;)V
java/security/cert/CertPathHelperImpl implGetIssuers(Ljava/security/cert/X509CRLSelector;)Ljava/util/Collection;
class java/security/cert/CertPathParameters java/lang/Object
java/security/cert/CertPathParameters clone()Ljava/lang/Object;
class java/security/cert/CertPathValidator$1 java/lang/Object
java/security/cert/CertPathValidator$1
<init>()V
java/security/cert/CertPathValidator$1 run()Ljava/lang/Object;
class java/security/cert/CertPathValidator java/lang/Object
java/security/cert/CertPathValidator CPV_TYPE
java/security/cert/CertPathValidator debug
java/security/cert/CertPathValidator validatorSpi
java/security/cert/CertPathValidator provider
java/security/cert/CertPathValidator algorithm
java/security/cert/CertPathValidator
<init>(Ljava/security/cert/CertPathValidatorSpi;Ljava/security/Provider;Ljava/lang/String;)V
java/security/cert/CertPathValidator getInstance(Ljava/lang/String;)Ljava/security/cert/CertPathValidator;
java/security/cert/CertPathValidator
getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/cert/CertPathValidator;
java/security/cert/CertPathValidator
getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/cert/CertPathValidator;
java/security/cert/CertPathValidator getProvider()Ljava/security/Provider;
java/security/cert/CertPathValidator getAlgorithm()Ljava/lang/String;
java/security/cert/CertPathValidator
validate(Ljava/security/cert/CertPath;Ljava/security/cert/CertPathParameters;)Ljava/security/cert/CertPathValidator
Result;
java/security/cert/CertPathValidator getDefaultType()Ljava/lang/String;
java/security/cert/CertPathValidator <clinit>()V
class java/security/cert/CertPathValidatorException java/security/GeneralSecurityException
java/security/cert/CertPathValidatorException serialVersionUID
java/security/cert/CertPathValidatorException index
java/security/cert/CertPathValidatorException certPath
java/security/cert/CertPathValidatorException <init>()V
java/security/cert/CertPathValidatorException <init>(Ljava/lang/String;)V
java/security/cert/CertPathValidatorException <init>(Ljava/lang/Throwable;)V
java/security/cert/CertPathValidatorException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/cert/CertPathValidatorException
<init>(Ljava/lang/String;Ljava/lang/Throwable;Ljava/security/cert/CertPath;I)V
java/security/cert/CertPathValidatorException
getCertPath()Ljava/security/cert/CertPath;
java/security/cert/CertPathValidatorException getIndex()I

class java/security/cert/CertPathValidatorResult java/lang/Object
java/security/cert/CertPathValidatorResult clone()Ljava/lang/Object;
class java/security/cert/CertPathValidatorSpi java/lang/Object
java/security/cert/CertPathValidatorSpi <init>()V
java/security/cert/CertPathValidatorSpi
engineValidate(Ljava/security/cert/CertPath;Ljava/security/cert/CertPathParameters;)Ljava/security/cert/CertPathValidatorResult;
class java/security/cert/CertSelector java/lang/Object
java/security/cert/CertSelector match(Ljava/security/cert/Certificate;)Z
java/security/cert/CertSelector clone()Ljava/lang/Object;
class java/security/cert/CertStore$1 java/lang/Object
java/security/cert/CertStore$1 <init>()V
java/security/cert/CertStore$1 run()Ljava/lang/Object;
class java/security/cert/CertStore java/lang/Object
java/security/cert/CertStore CERTSTORE_TYPE
java/security/cert/CertStore
 storeSpi
java/security/cert/CertStore provider
java/security/cert/CertStore type
java/security/cert/CertStore params
java/security/cert/CertStore
<init>(Ljava/security/cert/CertStoreSpi;Ljava/security/Provider;Ljava/lang/String;Ljava/security/cert/CertStoreParameters;)V
java/security/cert/CertStore getCertificates(Ljava/security/cert/CertSelector;)Ljava/util/Collection;
java/security/cert/CertStore getCRLs(Ljava/security/cert/CRLSelector;)Ljava/util/Collection;
java/security/cert/CertStore
getInstance(Ljava/lang/String;Ljava/security/cert/CertStoreParameters;)Ljava/security/cert/CertStore;
java/security/cert/CertStore
handleException(Ljava/security/NoSuchAlgorithmException;)Ljava/security/cert/CertStore;
java/security/cert/CertStore
getInstance(Ljava/lang/String;Ljava/security/cert/CertStoreParameters;Ljava/lang/String;)Ljava/security/cert/CertStore;
java/security/cert/CertStore
getInstance(Ljava/lang/String;Ljava/security/cert/CertStoreParameters;Ljava/security/Provider;)Ljava/security/cert/CertStore;
java/security/cert/CertStore
 getCertStoreParameters()Ljava/security/cert/CertStoreParameters;
java/security/cert/CertStore getType()Ljava/lang/String;
java/security/cert/CertStore getProvider()Ljava/security/Provider;
java/security/cert/CertStore getDefaultType()Ljava/lang/String;
class java/security/cert/CertStoreException java/security/GeneralSecurityException
java/security/cert/CertStoreException serialVersionUID
java/security/cert/CertStoreException <init>()V
java/security/cert/CertStoreException <init>(Ljava/lang/String;)V
java/security/cert/CertStoreException <init>(Ljava/lang/Throwable;)V
java/security/cert/CertStoreException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
class java/security/cert/CertStoreParameters java/lang/Object
java/security/cert/CertStoreParameters clone()Ljava/lang/Object;

class java/security/cert/CertStoreSpi java/lang/Object
java/security/cert/CertStoreSpi <init>(Ljava/security/cert/CertStoreParameters;)V
java/security/cert/CertStoreSpi
 engineGetCertificates(Ljava/security/cert/CertSelector;)Ljava/util/Collection;
java/security/cert/CertStoreSpi engineGetCRLs(Ljava/security/cert/CRLSelector;)Ljava/util/Collection;
class java/security/cert/Certificate$CertificateRep java/lang/Object
java/security/cert/Certificate$CertificateRep serialVersionUID
java/security/cert/Certificate$CertificateRep type
java/security/cert/Certificate$CertificateRep data
java/security/cert/Certificate$CertificateRep <init>(Ljava/lang/String;[B)V
java/security/cert/Certificate$CertificateRep readResolve()Ljava/lang/Object;
class java/security/cert/CertificateEncodingException java/security/cert/CertificateException
java/security/cert/CertificateEncodingException serialVersionUID
java/security/cert/CertificateEncodingException <init>()V
java/security/cert/CertificateEncodingException <init>(Ljava/lang/String;)V
java/security/cert/CertificateEncodingException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/cert/CertificateEncodingException
 <init>(Ljava/lang/Throwable;)V
class java/security/cert/CertificateException java/security/GeneralSecurityException
java/security/cert/CertificateException serialVersionUID
java/security/cert/CertificateException <init>()V
java/security/cert/CertificateException <init>(Ljava/lang/String;)V
java/security/cert/CertificateException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/cert/CertificateException <init>(Ljava/lang/Throwable;)V
class java/security/cert/CertificateExpiredException java/security/cert/CertificateException
java/security/cert/CertificateExpiredException serialVersionUID
java/security/cert/CertificateExpiredException <init>()V
java/security/cert/CertificateExpiredException <init>(Ljava/lang/String;)V
class java/security/cert/CertificateNotYetValidException java/security/cert/CertificateException
java/security/cert/CertificateNotYetValidException serialVersionUID
java/security/cert/CertificateNotYetValidException <init>()V
java/security/cert/CertificateNotYetValidException
 <init>(Ljava/lang/String;)V
class java/security/cert/CertificateParsingException java/security/cert/CertificateException
java/security/cert/CertificateParsingException serialVersionUID
java/security/cert/CertificateParsingException <init>()V
java/security/cert/CertificateParsingException <init>(Ljava/lang/String;)V
java/security/cert/CertificateParsingException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/cert/CertificateParsingException <init>(Ljava/lang/Throwable;)V
class java/security/cert/CollectionCertStoreParameters java/lang/Object
java/security/cert/CollectionCertStoreParameters coll
java/security/cert/CollectionCertStoreParameters <init>(Ljava/util/Collection;)V
java/security/cert/CollectionCertStoreParameters <init>()V
java/security/cert/CollectionCertStoreParameters getCollection()Ljava/util/Collection;
java/security/cert/CollectionCertStoreParameters clone()Ljava/lang/Object;
java/security/cert/CollectionCertStoreParameters
 toString()Ljava/lang/String;
class java/security/cert/LDAPCertStoreParameters java/lang/Object

java/security/cert/LDAPCertStoreParameters LDAP_DEFAULT_PORT
java/security/cert/LDAPCertStoreParameters port
java/security/cert/LDAPCertStoreParameters serverName
java/security/cert/LDAPCertStoreParameters <init>(Ljava/lang/String;I)V
java/security/cert/LDAPCertStoreParameters <init>(Ljava/lang/String;)V
java/security/cert/LDAPCertStoreParameters <init>()V
java/security/cert/LDAPCertStoreParameters getServerName()Ljava/lang/String;
java/security/cert/LDAPCertStoreParameters getPort()I
java/security/cert/LDAPCertStoreParameters clone()Ljava/lang/Object;
java/security/cert/LDAPCertStoreParameters toString()Ljava/lang/String;
class java/security/cert/PKIXBuilderParameters java/security/cert/PKIXParameters
java/security/cert/PKIXBuilderParameters maxPathLength
java/security/cert/PKIXBuilderParameters <init>(Ljava/util/Set;Ljava/security/cert/CertSelector;)V
java/security/cert/PKIXBuilderParameters
<init>(Ljava/security/KeyStore;Ljava/security/cert/CertSelector;)V
java/security/cert/PKIXBuilderParameters setMaxPathLength(I)V
java/security/cert/PKIXBuilderParameters getMaxPathLength()I
java/security/cert/PKIXBuilderParameters toString()Ljava/lang/String;
class java/security/cert/PKIXCertPathBuilderResult java/security/cert/PKIXCertPathValidatorResult
java/security/cert/PKIXCertPathBuilderResult certPath
java/security/cert/PKIXCertPathBuilderResult
<init>(Ljava/security/cert/CertPath;Ljava/security/cert/TrustAnchor;Ljava/security/cert/PolicyNode;Ljava/security/PublicKey;)V
java/security/cert/PKIXCertPathBuilderResult getCertPath()Ljava/security/cert/CertPath;
java/security/cert/PKIXCertPathBuilderResult toString()Ljava/lang/String;
class java/security/cert/PKIXCertPathChecker java/lang/Object
java/security/cert/PKIXCertPathChecker <init>()V
java/security/cert/PKIXCertPathChecker init(Z)V
java/security/cert/PKIXCertPathChecker isForwardCheckingSupported()Z
java/security/cert/PKIXCertPathChecker
getSupportedExtensions()Ljava/util/Set;
java/security/cert/PKIXCertPathChecker check(Ljava/security/cert/Certificate;Ljava/util/Collection;)V
java/security/cert/PKIXCertPathChecker clone()Ljava/lang/Object;
class java/security/cert/PKIXCertPathValidatorResult java/lang/Object
java/security/cert/PKIXCertPathValidatorResult trustAnchor
java/security/cert/PKIXCertPathValidatorResult policyTree
java/security/cert/PKIXCertPathValidatorResult subjectPublicKey
java/security/cert/PKIXCertPathValidatorResult
<init>(Ljava/security/cert/TrustAnchor;Ljava/security/cert/PolicyNode;Ljava/security/PublicKey;)V
java/security/cert/PKIXCertPathValidatorResult getTrustAnchor()Ljava/security/cert/TrustAnchor;
java/security/cert/PKIXCertPathValidatorResult getPolicyTree()Ljava/security/cert/PolicyNode;
java/security/cert/PKIXCertPathValidatorResult getPublicKey()Ljava/security/PublicKey;
java/security/cert/PKIXCertPathValidatorResult clone()Ljava/lang/Object;
java/security/cert/PKIXCertPathValidatorResult
toString()Ljava/lang/String;
class java/security/cert/PKIXParameters java/lang/Object
java/security/cert/PKIXParameters unmodTrustAnchors
java/security/cert/PKIXParameters date

java/security/cert/PKIXParameters certPathCheckers
java/security/cert/PKIXParameters sigProvider
java/security/cert/PKIXParameters revocationEnabled
java/security/cert/PKIXParameters unmodInitialPolicies
java/security/cert/PKIXParameters explicitPolicyRequired
java/security/cert/PKIXParameters policyMappingInhibited
java/security/cert/PKIXParameters anyPolicyInhibited
java/security/cert/PKIXParameters policyQualifiersRejected
java/security/cert/PKIXParameters certStores
java/security/cert/PKIXParameters certSelector
java/security/cert/PKIXParameters <init>(Ljava/util/Set;)V
java/security/cert/PKIXParameters <init>(Ljava/security/KeyStore;)V
java/security/cert/PKIXParameters getTrustAnchors()Ljava/util/Set;
java/security/cert/PKIXParameters setTrustAnchors(Ljava/util/Set;)V
java/security/cert/PKIXParameters
getInitialPolicies()Ljava/util/Set;
java/security/cert/PKIXParameters setInitialPolicies(Ljava/util/Set;)V
java/security/cert/PKIXParameters setCertStores(Ljava/util/List;)V
java/security/cert/PKIXParameters addCertStore(Ljava/security/cert/CertStore;)V
java/security/cert/PKIXParameters getCertStores()Ljava/util/List;
java/security/cert/PKIXParameters setRevocationEnabled(Z)V
java/security/cert/PKIXParameters isRevocationEnabled()Z
java/security/cert/PKIXParameters setExplicitPolicyRequired(Z)V
java/security/cert/PKIXParameters isExplicitPolicyRequired()Z
java/security/cert/PKIXParameters setPolicyMappingInhibited(Z)V
java/security/cert/PKIXParameters isPolicyMappingInhibited()Z
java/security/cert/PKIXParameters setAnyPolicyInhibited(Z)V
java/security/cert/PKIXParameters isAnyPolicyInhibited()Z
java/security/cert/PKIXParameters setPolicyQualifiersRejected(Z)V
java/security/cert/PKIXParameters getPolicyQualifiersRejected()Z
java/security/cert/PKIXParameters getDate()Ljava/util/Date;
java/security/cert/PKIXParameters
setDate(Ljava/util/Date;)V
java/security/cert/PKIXParameters setCertPathCheckers(Ljava/util/List;)V
java/security/cert/PKIXParameters getCertPathCheckers()Ljava/util/List;
java/security/cert/PKIXParameters addCertPathChecker(Ljava/security/cert/PKIXCertPathChecker;)V
java/security/cert/PKIXParameters getSigProvider()Ljava/lang/String;
java/security/cert/PKIXParameters setSigProvider(Ljava/lang/String;)V
java/security/cert/PKIXParameters getTargetCertConstraints()Ljava/security/cert/CertSelector;
java/security/cert/PKIXParameters setTargetCertConstraints(Ljava/security/cert/CertSelector;)V
java/security/cert/PKIXParameters clone()Ljava/lang/Object;
java/security/cert/PKIXParameters toString()Ljava/lang/String;
class java/security/cert/PolicyNode java/lang/Object
java/security/cert/PolicyNode getParent()Ljava/security/cert/PolicyNode;
java/security/cert/PolicyNode getChildren()Ljava/util/Iterator;
java/security/cert/PolicyNode getDepth()I
java/security/cert/PolicyNode

getValidPolicy()Ljava/lang/String;
java/security/cert/PolicyNode getPolicyQualifiers()Ljava/util/Set;
java/security/cert/PolicyNode getExpectedPolicies()Ljava/util/Set;
java/security/cert/PolicyNode isCritical()Z
class java/security/cert/PolicyQualifierInfo java/lang/Object
java/security/cert/PolicyQualifierInfo mEncoded
java/security/cert/PolicyQualifierInfo mId
java/security/cert/PolicyQualifierInfo mData
java/security/cert/PolicyQualifierInfo pqiString
java/security/cert/PolicyQualifierInfo <init>([B)V
java/security/cert/PolicyQualifierInfo getPolicyQualifierId()Ljava/lang/String;
java/security/cert/PolicyQualifierInfo getEncoded()[B
java/security/cert/PolicyQualifierInfo getPolicyQualifier()[B
java/security/cert/PolicyQualifierInfo toString()Ljava/lang/String;
class java/security/cert/TrustAnchor java/lang/Object
java/security/cert/TrustAnchor pubKey
java/security/cert/TrustAnchor caName
java/security/cert/TrustAnchor caPrincipal
java/security/cert/TrustAnchor
trustedCert
java/security/cert/TrustAnchor ncBytes
java/security/cert/TrustAnchor nc
java/security/cert/TrustAnchor <init>(Ljava/security/cert/X509Certificate;[B)V
java/security/cert/TrustAnchor <init>(Ljavax/security/auth/x500/X500Principal;Ljava/security/PublicKey;[B)V
java/security/cert/TrustAnchor <init>(Ljava/lang/String;Ljava/security/PublicKey;[B)V
java/security/cert/TrustAnchor getTrustedCert()Ljava/security/cert/X509Certificate;
java/security/cert/TrustAnchor getCA()Ljavax/security/auth/x500/X500Principal;
java/security/cert/TrustAnchor getCAName()Ljava/lang/String;
java/security/cert/TrustAnchor getCAPublicKey()Ljava/security/PublicKey;
java/security/cert/TrustAnchor setNameConstraints([B)V
java/security/cert/TrustAnchor getNameConstraints()[B
java/security/cert/TrustAnchor toString()Ljava/lang/String;
java/security/cert/TrustAnchor <clinit>()V
class java/security/cert/X509CRL java/security/cert/CRL
java/security/cert/X509CRL issuerPrincipal
java/security/cert/X509CRL
<init>()V
java/security/cert/X509CRL equals(Ljava/lang/Object;)Z
java/security/cert/X509CRL hashCode()I
java/security/cert/X509CRL getEncoded()[B
java/security/cert/X509CRL verify(Ljava/security/PublicKey;)V
java/security/cert/X509CRL verify(Ljava/security/PublicKey;Ljava/lang/String;)V
java/security/cert/X509CRL getVersion()I
java/security/cert/X509CRL getIssuerDN()Ljava/security/Principal;
java/security/cert/X509CRL getIssuerX500Principal()Ljavax/security/auth/x500/X500Principal;
java/security/cert/X509CRL getThisUpdate()Ljava/util/Date;
java/security/cert/X509CRL getNextUpdate()Ljava/util/Date;
java/security/cert/X509CRL getRevokedCertificate(Ljava/math/BigInteger;)Ljava/security/cert/X509CRLEntry;

java/security/cert/X509CRL
getRevokedCertificate(Ljava/security/cert/X509Certificate;)Ljava/security/cert/X509CRLEntry;
java/security/cert/X509CRL getRevokedCertificates()Ljava/util/Set;
java/security/cert/X509CRL getTBSCertList()[B
java/security/cert/X509CRL getSignature()[B
java/security/cert/X509CRL
getSigAlgName()Ljava/lang/String;
java/security/cert/X509CRL getSigAlgOID()Ljava/lang/String;
java/security/cert/X509CRL getSigAlgParams()[B
class java/security/cert/X509CRLEntry java/lang/Object
java/security/cert/X509CRLEntry <init>()V
java/security/cert/X509CRLEntry equals(Ljava/lang/Object;)Z
java/security/cert/X509CRLEntry hashCode()I
java/security/cert/X509CRLEntry getEncoded()[B
java/security/cert/X509CRLEntry getSerialNumber()Ljava/math/BigInteger;
java/security/cert/X509CRLEntry getCertificateIssuer()Ljavax/security/auth/x500/X500Principal;
java/security/cert/X509CRLEntry getRevocationDate()Ljava/util/Date;
java/security/cert/X509CRLEntry hasExtensions()Z
java/security/cert/X509CRLEntry toString()Ljava/lang/String;
class java/security/cert/X509CRLSelector java/lang/Object
java/security/cert/X509CRLSelector debug
java/security/cert/X509CRLSelector issuerNames
java/security/cert/X509CRLSelector issuerX500Principals
java/security/cert/X509CRLSelector minCRL
java/security/cert/X509CRLSelector
maxCRL
java/security/cert/X509CRLSelector dateAndTime
java/security/cert/X509CRLSelector certChecking
java/security/cert/X509CRLSelector <init>()V
java/security/cert/X509CRLSelector setIssuers(Ljava/util/Collection;)V
java/security/cert/X509CRLSelector setIssuerNames(Ljava/util/Collection;)V
java/security/cert/X509CRLSelector addIssuer(Ljavax/security/auth/x500/X500Principal;)V
java/security/cert/X509CRLSelector addIssuerName(Ljava/lang/String;)V
java/security/cert/X509CRLSelector addIssuerName([B)V
java/security/cert/X509CRLSelector
addIssuerNameInternal(Ljava/lang/Object;Ljavax/security/auth/x500/X500Principal;)V
java/security/cert/X509CRLSelector cloneAndCheckIssuerNames(Ljava/util/Collection;)Ljava/util/HashSet;
java/security/cert/X509CRLSelector cloneIssuerNames(Ljava/util/Collection;)Ljava/util/HashSet;
java/security/cert/X509CRLSelector parseIssuerNames(Ljava/util/Collection;)Ljava/util/HashSet;
java/security/cert/X509CRLSelector setMinCRLNumber(Ljava/math/BigInteger;)V
java/security/cert/X509CRLSelector
setMaxCRLNumber(Ljava/math/BigInteger;)V
java/security/cert/X509CRLSelector setDateAndTime(Ljava/util/Date;)V
java/security/cert/X509CRLSelector setCertificateChecking(Ljava/security/cert/X509Certificate;)V
java/security/cert/X509CRLSelector getIssuers()Ljava/util/Collection;
java/security/cert/X509CRLSelector getIssuerNames()Ljava/util/Collection;
java/security/cert/X509CRLSelector getMinCRL()Ljava/math/BigInteger;
java/security/cert/X509CRLSelector getMaxCRL()Ljava/math/BigInteger;

java/security/cert/X509CRLSelector getDateAndTime()Ljava/util/Date;
java/security/cert/X509CRLSelector getCertificateChecking()Ljava/security/cert/X509Certificate;
java/security/cert/X509CRLSelector toString()Ljava/lang/String;
java/security/cert/X509CRLSelector match(Ljava/security/cert/CRL;)Z
java/security/cert/X509CRLSelector clone()Ljava/lang/Object;
java/security/cert/X509CRLSelector <clinit>()V
class java/security/cert/X509CertSelector java/lang/Object
java/security/cert/X509CertSelector
debug
java/security/cert/X509CertSelector ANY_EXTENDED_KEY_USAGE
java/security/cert/X509CertSelector serialNumber
java/security/cert/X509CertSelector issuer
java/security/cert/X509CertSelector subject
java/security/cert/X509CertSelector subjectKeyID
java/security/cert/X509CertSelector authorityKeyID
java/security/cert/X509CertSelector certificateValid
java/security/cert/X509CertSelector privateKeyValid
java/security/cert/X509CertSelector subjectPublicKeyAlgID
java/security/cert/X509CertSelector subjectPublicKey
java/security/cert/X509CertSelector subjectPublicKeyBytes
java/security/cert/X509CertSelector keyUsage
java/security/cert/X509CertSelector keyPurposeSet
java/security/cert/X509CertSelector keyPurposeOIDSet
java/security/cert/X509CertSelector subjectAlternativeNames
java/security/cert/X509CertSelector subjectAlternativeGeneralNames
java/security/cert/X509CertSelector policy
java/security/cert/X509CertSelector policySet
java/security/cert/X509CertSelector
pathToNames
java/security/cert/X509CertSelector pathToGeneralNames
java/security/cert/X509CertSelector nc
java/security/cert/X509CertSelector ncBytes
java/security/cert/X509CertSelector basicConstraints
java/security/cert/X509CertSelector x509Cert
java/security/cert/X509CertSelector matchAllSubjectAltNames
java/security/cert/X509CertSelector FALSE
java/security/cert/X509CertSelector PRIVATE_KEY_USAGE_ID
java/security/cert/X509CertSelector SUBJECT_ALT_NAME_ID
java/security/cert/X509CertSelector NAME_CONSTRAINTS_ID
java/security/cert/X509CertSelector CERT_POLICIES_ID
java/security/cert/X509CertSelector EXTENDED_KEY_USAGE_ID
java/security/cert/X509CertSelector NUM_OF_EXTENSIONS
java/security/cert/X509CertSelector EXTENSION_OIDS
java/security/cert/X509CertSelector NAME_ANY
java/security/cert/X509CertSelector NAME_RFC822
java/security/cert/X509CertSelector NAME_DNS
java/security/cert/X509CertSelector NAME_X400
java/security/cert/X509CertSelector NAME_DIRECTORY

java/security/cert/X509CertSelector
NAME_EDI
java/security/cert/X509CertSelector NAME_URI
java/security/cert/X509CertSelector NAME_IP
java/security/cert/X509CertSelector NAME_OID
java/security/cert/X509CertSelector <init>()V
java/security/cert/X509CertSelector setCertificate(Ljava/security/cert/X509Certificate;)V
java/security/cert/X509CertSelector setSerialNumber(Ljava/math/BigInteger;)V
java/security/cert/X509CertSelector setIssuer(Ljavax/security/auth/x500/X500Principal;)V
java/security/cert/X509CertSelector setIssuer(Ljava/lang/String;)V
java/security/cert/X509CertSelector setIssuer([B)V
java/security/cert/X509CertSelector setSubject(Ljavax/security/auth/x500/X500Principal;)V
java/security/cert/X509CertSelector setSubject(Ljava/lang/String;)V
java/security/cert/X509CertSelector setSubject([B)V
java/security/cert/X509CertSelector setSubjectKeyIdentifier([B)V
java/security/cert/X509CertSelector setAuthorityKeyIdentifier([B)V
java/security/cert/X509CertSelector setCertificateValid(Ljava/util/Date;)V
java/security/cert/X509CertSelector
setPrivateKeyValid(Ljava/util/Date;)V
java/security/cert/X509CertSelector setSubjectPublicKeyAlgID(Ljava/lang/String;)V
java/security/cert/X509CertSelector setSubjectPublicKey(Ljava/security/PublicKey;)V
java/security/cert/X509CertSelector setSubjectPublicKey([B)V
java/security/cert/X509CertSelector setKeyUsage([Z)V
java/security/cert/X509CertSelector setExtendedKeyUsage(Ljava/util/Set;)V
java/security/cert/X509CertSelector setMatchAllSubjectAltNames(Z)V
java/security/cert/X509CertSelector setSubjectAlternativeNames(Ljava/util/Collection;)V
java/security/cert/X509CertSelector addSubjectAlternativeName(ILjava/lang/String;)V
java/security/cert/X509CertSelector addSubjectAlternativeName(I[B)V
java/security/cert/X509CertSelector addSubjectAlternativeNameInternal(ILjava/lang/Object;)V
java/security/cert/X509CertSelector parseNames(Ljava/util/Collection;)Ljava/util/Set;
java/security/cert/X509CertSelector equalNames(Ljava/util/Collection;Ljava/util/Collection;)Z
java/security/cert/X509CertSelector
makeGeneralNameInterface(ILjava/lang/Object;)Lsun/security/x509/GeneralNameInterface;
java/security/cert/X509CertSelector setNameConstraints([B)V
java/security/cert/X509CertSelector setBasicConstraints(I)V
java/security/cert/X509CertSelector setPolicy(Ljava/util/Set;)V
java/security/cert/X509CertSelector setPathToNames(Ljava/util/Collection;)V
java/security/cert/X509CertSelector setPathToNamesInternal(Ljava/util/Set;)V
java/security/cert/X509CertSelector addPathToName(ILjava/lang/String;)V
java/security/cert/X509CertSelector addPathToName(I[B)V
java/security/cert/X509CertSelector addPathToNameInternal(ILjava/lang/Object;)V
java/security/cert/X509CertSelector getCertificate()Ljava/security/cert/X509Certificate;
java/security/cert/X509CertSelector getSerialNumber()Ljava/math/BigInteger;
java/security/cert/X509CertSelector getIssuer()Ljavax/security/auth/x500/X500Principal;
java/security/cert/X509CertSelector getIssuerAsString()Ljava/lang/String;
java/security/cert/X509CertSelector
getIssuerAsBytes()[B
java/security/cert/X509CertSelector getSubject()Ljavax/security/auth/x500/X500Principal;

java/security/cert/X509CertSelector getSubjectAsString()Ljava/lang/String;
java/security/cert/X509CertSelector getSubjectAsBytes()[B
java/security/cert/X509CertSelector getSubjectKeyIdentifier()[B
java/security/cert/X509CertSelector getAuthorityKeyIdentifier()[B
java/security/cert/X509CertSelector getCertificateValid()Ljava/util/Date;
java/security/cert/X509CertSelector getPrivateKeyValid()Ljava/util/Date;
java/security/cert/X509CertSelector getSubjectPublicKeyAlgID()Ljava/lang/String;
java/security/cert/X509CertSelector getSubjectPublicKey()Ljava/security/PublicKey;
java/security/cert/X509CertSelector getKeyUsage()[Z
java/security/cert/X509CertSelector getExtendedKeyUsage()Ljava/util/Set;
java/security/cert/X509CertSelector getMatchAllSubjectAltNames()Z
java/security/cert/X509CertSelector getSubjectAlternativeNames()Ljava/util/Collection;
java/security/cert/X509CertSelector
cloneNames(Ljava/util/Collection;)Ljava/util/Set;
java/security/cert/X509CertSelector cloneAndCheckNames(Ljava/util/Collection;)Ljava/util/Set;
java/security/cert/X509CertSelector getNameConstraints()[B
java/security/cert/X509CertSelector getBasicConstraints()I
java/security/cert/X509CertSelector getPolicy()Ljava/util/Set;
java/security/cert/X509CertSelector getPathToNames()Ljava/util/Collection;
java/security/cert/X509CertSelector toString()Ljava/lang/String;
java/security/cert/X509CertSelector keyUsageToString([Z)Ljava/lang/String;
java/security/cert/X509CertSelector
getExtensionObject(Ljava/security/cert/X509Certificate;I)Lsun/security/x509/Extension;
java/security/cert/X509CertSelector match(Ljava/security/cert/Certificate;)Z
java/security/cert/X509CertSelector matchSubjectKeyID(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchAuthorityKeyID(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector
matchPrivateKeyValid(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchSubjectPublicKeyAlgID(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchKeyUsage(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchExtendedKeyUsage(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchSubjectAlternativeNames(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchNameConstraints(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchPolicy(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchPathToNames(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector matchExcluded(Lsun/security/x509/GeneralSubtrees;)Z
java/security/cert/X509CertSelector matchPermitted(Lsun/security/x509/GeneralSubtrees;)Z
java/security/cert/X509CertSelector matchBasicConstraints(Ljava/security/cert/X509Certificate;)Z
java/security/cert/X509CertSelector
cloneSet(Ljava/util/Set;)Ljava/util/Set;
java/security/cert/X509CertSelector clone()Ljava/lang/Object;
java/security/cert/X509CertSelector <clinit>()V
class java/security/interfaces/DSAKeyPairGenerator java/lang/Object
java/security/interfaces/DSAKeyPairGenerator
initialize(Ljava/security/interfaces/DSAParams;Ljava/security/SecureRandom;)V
java/security/interfaces/DSAKeyPairGenerator initialize(IZLjava/security/SecureRandom;)V
class java/security/interfaces/ECKey java/lang/Object
java/security/interfaces/ECKey getParams()Ljava/security/spec/ECParameterSpec;

class java/security/interfaces/ECPrivateKey java/lang/Object
java/security/interfaces/ECPrivateKey serialVersionUID
java/security/interfaces/ECPrivateKey getS()Ljava/math/BigInteger;
class java/security/interfaces/ECPublicKey java/lang/Object
java/security/interfaces/ECPublicKey serialVersionUID
java/security/interfaces/ECPublicKey getW()Ljava/security/spec/ECPoint;
class java/security/interfaces/RSAMultiPrimePrivateCrtKey
java/lang/Object
java/security/interfaces/RSAMultiPrimePrivateCrtKey serialVersionUID
java/security/interfaces/RSAMultiPrimePrivateCrtKey getPublicExponent()Ljava/math/BigInteger;
java/security/interfaces/RSAMultiPrimePrivateCrtKey getPrimeP()Ljava/math/BigInteger;
java/security/interfaces/RSAMultiPrimePrivateCrtKey getPrimeQ()Ljava/math/BigInteger;
java/security/interfaces/RSAMultiPrimePrivateCrtKey getPrimeExponentP()Ljava/math/BigInteger;
java/security/interfaces/RSAMultiPrimePrivateCrtKey getPrimeExponentQ()Ljava/math/BigInteger;
java/security/interfaces/RSAMultiPrimePrivateCrtKey getCrtCoefficient()Ljava/math/BigInteger;
java/security/interfaces/RSAMultiPrimePrivateCrtKey
getOtherPrimeInfo()[Ljava/security/spec/RSAOtherPrimeInfo;
class java/security/spec/DSAPrivateKeySpec java/lang/Object
java/security/spec/DSAPrivateKeySpec x
java/security/spec/DSAPrivateKeySpec p
java/security/spec/DSAPrivateKeySpec q
java/security/spec/DSAPrivateKeySpec g
java/security/spec/DSAPrivateKeySpec
<init>(Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/DSAPrivateKeySpec getX()Ljava/math/BigInteger;
java/security/spec/DSAPrivateKeySpec getP()Ljava/math/BigInteger;
java/security/spec/DSAPrivateKeySpec getQ()Ljava/math/BigInteger;
java/security/spec/DSAPrivateKeySpec getG()Ljava/math/BigInteger;
class java/security/spec/ECField java/lang/Object
java/security/spec/ECField getFieldSize()I
class java/security/spec/ECFieldF2m java/lang/Object
java/security/spec/ECFieldF2m m
java/security/spec/ECFieldF2m ks
java/security/spec/ECFieldF2m rp
java/security/spec/ECFieldF2m <init>(I)V
java/security/spec/ECFieldF2m <init>(ILjava/math/BigInteger;)V
java/security/spec/ECFieldF2m <init>(I[I)V
java/security/spec/ECFieldF2m getFieldSize()I
java/security/spec/ECFieldF2m getM()I
java/security/spec/ECFieldF2m getReductionPolynomial()Ljava/math/BigInteger;
java/security/spec/ECFieldF2m getMidTermsOfReductionPolynomial()[I
java/security/spec/ECFieldF2m
equals(Ljava/lang/Object;)Z
java/security/spec/ECFieldF2m hashCode()I
class java/security/spec/ECFieldFp java/lang/Object
java/security/spec/ECFieldFp p
java/security/spec/ECFieldFp <init>(Ljava/math/BigInteger;)V
java/security/spec/ECFieldFp getFieldSize()I

java/security/spec/ECFieldFp getP()Ljava/math/BigInteger;
java/security/spec/ECFieldFp equals(Ljava/lang/Object;)Z
java/security/spec/ECFieldFp hashCode()I
class java/security/spec/ECGenParameterSpec java/lang/Object
java/security/spec/ECGenParameterSpec name
java/security/spec/ECGenParameterSpec <init>(Ljava/lang/String;)V
java/security/spec/ECGenParameterSpec getName()Ljava/lang/String;
class java/security/spec/ECParameterSpec java/lang/Object
java/security/spec/ECParameterSpec curve
java/security/spec/ECParameterSpec g
java/security/spec/ECParameterSpec n
java/security/spec/ECParameterSpec h
java/security/spec/ECParameterSpec
<init>(Ljava/security/spec/EllipticCurve;Ljava/security/spec/ECPoint;Ljava/math/BigInteger;I)V
java/security/spec/ECParameterSpec
getCurve()Ljava/security/spec/EllipticCurve;
java/security/spec/ECParameterSpec getGenerator()Ljava/security/spec/ECPoint;
java/security/spec/ECParameterSpec getOrder()Ljava/math/BigInteger;
java/security/spec/ECParameterSpec getCofactor()I
class java/security/spec/ECPoint java/lang/Object
java/security/spec/ECPoint x
java/security/spec/ECPoint y
java/security/spec/ECPoint POINT_INFINITY
java/security/spec/ECPoint <init>()V
java/security/spec/ECPoint <init>(Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/ECPoint getAffineX()Ljava/math/BigInteger;
java/security/spec/ECPoint getAffineY()Ljava/math/BigInteger;
java/security/spec/ECPoint equals(Ljava/lang/Object;)Z
java/security/spec/ECPoint hashCode()I
java/security/spec/ECPoint <clinit>()V
class java/security/spec/ECPrivateKeySpec java/lang/Object
java/security/spec/ECPrivateKeySpec s
java/security/spec/ECPrivateKeySpec params
java/security/spec/ECPrivateKeySpec
<init>(Ljava/math/BigInteger;Ljava/security/spec/ECParameterSpec;)V
java/security/spec/ECPrivateKeySpec getS()Ljava/math/BigInteger;
java/security/spec/ECPrivateKeySpec getParams()Ljava/security/spec/ECParameterSpec;
class java/security/spec/ECPublicKeySpec java/lang/Object
java/security/spec/ECPublicKeySpec w
java/security/spec/ECPublicKeySpec params
java/security/spec/ECPublicKeySpec <init>(Ljava/security/spec/ECPoint;Ljava/security/spec/ECParameterSpec;)V
java/security/spec/ECPublicKeySpec getW()Ljava/security/spec/ECPoint;
java/security/spec/ECPublicKeySpec getParams()Ljava/security/spec/ECParameterSpec;
class java/security/spec/EllipticCurve java/lang/Object
java/security/spec/EllipticCurve field
java/security/spec/EllipticCurve a
java/security/spec/EllipticCurve b
java/security/spec/EllipticCurve seed

java/security/spec/EllipticCurve
checkValidity(Ljava/security/spec/ECField;Ljava/math/BigInteger;Ljava/lang/String;)V
java/security/spec/EllipticCurve
<init>(Ljava/security/spec/ECField;Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/EllipticCurve
<init>(Ljava/security/spec/ECField;Ljava/math/BigInteger;Ljava/math/BigInteger;[B)V
java/security/spec/EllipticCurve getField()Ljava/security/spec/ECField;
java/security/spec/EllipticCurve getA()Ljava/math/BigInteger;
java/security/spec/EllipticCurve getB()Ljava/math/BigInteger;
java/security/spec/EllipticCurve getSeed()[B
java/security/spec/EllipticCurve equals(Ljava/lang/Object;)Z
java/security/spec/EllipticCurve hashCode()I
class java/security/spec/InvalidKeySpecException java/security/GeneralSecurityException
java/security/spec/InvalidKeySpecException serialVersionUID
java/security/spec/InvalidKeySpecException <init>()V
java/security/spec/InvalidKeySpecException <init>(Ljava/lang/String;)V
java/security/spec/InvalidKeySpecException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/spec/InvalidKeySpecException <init>(Ljava/lang/Throwable;)V
class java/security/spec/InvalidParameterSpecException
java/security/GeneralSecurityException
java/security/spec/InvalidParameterSpecException serialVersionUID
java/security/spec/InvalidParameterSpecException <init>()V
java/security/spec/InvalidParameterSpecException <init>(Ljava/lang/String;)V
class java/security/spec/MGF1ParameterSpec java/lang/Object
java/security/spec/MGF1ParameterSpec SHA1
java/security/spec/MGF1ParameterSpec SHA256
java/security/spec/MGF1ParameterSpec SHA384
java/security/spec/MGF1ParameterSpec SHA512
java/security/spec/MGF1ParameterSpec mdName
java/security/spec/MGF1ParameterSpec <init>(Ljava/lang/String;)V
java/security/spec/MGF1ParameterSpec getDigestAlgorithm()Ljava/lang/String;
java/security/spec/MGF1ParameterSpec <clinit>()V
class java/security/spec/PSSParameterSpec java/lang/Object
java/security/spec/PSSParameterSpec mdName
java/security/spec/PSSParameterSpec mgfName
java/security/spec/PSSParameterSpec mgfSpec
java/security/spec/PSSParameterSpec saltLen
java/security/spec/PSSParameterSpec
trailerField
java/security/spec/PSSParameterSpec DEFAULT
java/security/spec/PSSParameterSpec <init>()V
java/security/spec/PSSParameterSpec
<init>(Ljava/lang/String;Ljava/lang/String;Ljava/security/spec/AlgorithmParameterSpec;II)V
java/security/spec/PSSParameterSpec <init>(I)V
java/security/spec/PSSParameterSpec getDigestAlgorithm()Ljava/lang/String;
java/security/spec/PSSParameterSpec getMGFAlgorithm()Ljava/lang/String;
java/security/spec/PSSParameterSpec getMGFParameters()Ljava/security/spec/AlgorithmParameterSpec;
java/security/spec/PSSParameterSpec getSaltLength()I

java/security/spec/PSSParameterSpec getTrailerField()I
java/security/spec/PSSParameterSpec <clinit>()V
class java/security/spec/RSAKeyGenParameterSpec java/lang/Object
java/security/spec/RSAKeyGenParameterSpec keysize
java/security/spec/RSAKeyGenParameterSpec publicExponent
java/security/spec/RSAKeyGenParameterSpec F0
java/security/spec/RSAKeyGenParameterSpec F4
java/security/spec/RSAKeyGenParameterSpec <init>(ILjava/math/BigInteger;)V
java/security/spec/RSAKeyGenParameterSpec
getKeysize()I
java/security/spec/RSAKeyGenParameterSpec getPublicExponent()Ljava/math/BigInteger;
java/security/spec/RSAKeyGenParameterSpec <clinit>()V
class java/security/spec/RSAMultiPrimePrivateCrtKeySpec java/security/spec/RSAPrivateKeySpec
java/security/spec/RSAMultiPrimePrivateCrtKeySpec publicExponent
java/security/spec/RSAMultiPrimePrivateCrtKeySpec primeP
java/security/spec/RSAMultiPrimePrivateCrtKeySpec primeQ
java/security/spec/RSAMultiPrimePrivateCrtKeySpec primeExponentP
java/security/spec/RSAMultiPrimePrivateCrtKeySpec primeExponentQ
java/security/spec/RSAMultiPrimePrivateCrtKeySpec crtCoefficient
java/security/spec/RSAMultiPrimePrivateCrtKeySpec otherPrimeInfo
java/security/spec/RSAMultiPrimePrivateCrtKeySpec
<init>(Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/Big
Integer;Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;[Ljava/security/spec/RSAOtherPrimeI
nfo;)V
java/security/spec/RSAMultiPrimePrivateCrtKeySpec
getPublicExponent()Ljava/math/BigInteger;
java/security/spec/RSAMultiPrimePrivateCrtKeySpec getPrimeP()Ljava/math/BigInteger;
java/security/spec/RSAMultiPrimePrivateCrtKeySpec getPrimeQ()Ljava/math/BigInteger;
java/security/spec/RSAMultiPrimePrivateCrtKeySpec getPrimeExponentP()Ljava/math/BigInteger;
java/security/spec/RSAMultiPrimePrivateCrtKeySpec getPrimeExponentQ()Ljava/math/BigInteger;
java/security/spec/RSAMultiPrimePrivateCrtKeySpec getCrtCoefficient()Ljava/math/BigInteger;
java/security/spec/RSAMultiPrimePrivateCrtKeySpec
getOtherPrimeInfo()[Ljava/security/spec/RSAOtherPrimeInfo;
class java/security/spec/RSAOtherPrimeInfo java/lang/Object
java/security/spec/RSAOtherPrimeInfo prime
java/security/spec/RSAOtherPrimeInfo primeExponent
java/security/spec/RSAOtherPrimeInfo crtCoefficient
java/security/spec/RSAOtherPrimeInfo
<init>(Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/RSAOtherPrimeInfo
getPrime()Ljava/math/BigInteger;
java/security/spec/RSAOtherPrimeInfo getExponent()Ljava/math/BigInteger;
java/security/spec/RSAOtherPrimeInfo getCrtCoefficient()Ljava/math/BigInteger;
class java/sql/Array java/lang/Object
java/sql/Array getBaseTypeName()Ljava/lang/String;
java/sql/Array getBaseType()I
java/sql/Array getArray()Ljava/lang/Object;
java/sql/Array getArray(Ljava/util/Map;)Ljava/lang/Object;

java/sql/Array getArray(JI)Ljava/lang/Object;
java/sql/Array getArray(JILjava/util/Map;)Ljava/lang/Object;
java/sql/Array getResultSet()Ljava/sql/ResultSet;
java/sql/Array getResultSet(Ljava/util/Map;)Ljava/sql/ResultSet;
java/sql/Array getResultSet(JI)Ljava/sql/ResultSet;
java/sql/Array getResultSet(JILjava/util/Map;)Ljava/sql/ResultSet;
class java/sql/BatchUpdateException java/sql/SQLException
java/sql/BatchUpdateException updateCounts
java/sql/BatchUpdateException <init>(Ljava/lang/String;Ljava/lang/String;I[I)V
java/sql/BatchUpdateException <init>(Ljava/lang/String;Ljava/lang/String;[I)V
java/sql/BatchUpdateException
 <init>(Ljava/lang/String;[I)V
java/sql/BatchUpdateException <init>([I)V
java/sql/BatchUpdateException <init>()V
java/sql/BatchUpdateException getUpdateCounts()[I
class java/sql/Blob java/lang/Object
java/sql/Blob length()J
java/sql/Blob getBytes(JI)[B
java/sql/Blob getBinaryStream()Ljava/io/InputStream;
java/sql/Blob position([BJ)J
java/sql/Blob position(Ljava/sql/Blob;J)J
java/sql/Blob setBytes(J[B)I
java/sql/Blob setBytes(J[BII)I
java/sql/Blob setBinaryStream(J)Ljava/io/OutputStream;
java/sql/Blob truncate(J)V
class java/sql/CallableStatement java/lang/Object
java/sql/CallableStatement registerOutParameter(II)V
java/sql/CallableStatement registerOutParameter(III)V
java/sql/CallableStatement wasNull()Z
java/sql/CallableStatement getString(I)Ljava/lang/String;
java/sql/CallableStatement getBoolean(I)Z
java/sql/CallableStatement getByte(I)B
java/sql/CallableStatement getShort(I)S
java/sql/CallableStatement getInt(I)I
java/sql/CallableStatement
 getLong(I)J
java/sql/CallableStatement getFloat(I)F
java/sql/CallableStatement getDouble(I)D
java/sql/CallableStatement getBigDecimal(II)Ljava/math/BigDecimal;
java/sql/CallableStatement getBytes(I)[B
java/sql/CallableStatement getDate(I)Ljava/sql/Date;
java/sql/CallableStatement getTime(I)Ljava/sql/Time;
java/sql/CallableStatement getTimestamp(I)Ljava/sql/Timestamp;
java/sql/CallableStatement getObject(I)Ljava/lang/Object;
java/sql/CallableStatement getBigDecimal(I)Ljava/math/BigDecimal;
java/sql/CallableStatement getObject(ILjava/util/Map;)Ljava/lang/Object;
java/sql/CallableStatement getRef(I)Ljava/sql/Ref;
java/sql/CallableStatement getBlob(I)Ljava/sql/Blob;

java/sql/CallableStatement getClob(I)Ljava/sql/Clob;
java/sql/CallableStatement getArray(I)Ljava/sql/Array;
java/sql/CallableStatement getDate(ILjava/util/Calendar;)Ljava/sql/Date;
java/sql/CallableStatement getTime(ILjava/util/Calendar;)Ljava/sql/Time;
java/sql/CallableStatement getTimestamp(ILjava/util/Calendar;)Ljava/sql/Timestamp;
java/sql/CallableStatement
registerOutParameter(IILjava/lang/String;)V
java/sql/CallableStatement registerOutParameter(Ljava/lang/String;I)V
java/sql/CallableStatement registerOutParameter(Ljava/lang/String;II)V
java/sql/CallableStatement registerOutParameter(Ljava/lang/String;ILjava/lang/String;)V
java/sql/CallableStatement getURL(I)Ljava/net/URL;
java/sql/CallableStatement setURL(Ljava/lang/String;Ljava/net/URL;)V
java/sql/CallableStatement setNull(Ljava/lang/String;I)V
java/sql/CallableStatement setBoolean(Ljava/lang/String;Z)V
java/sql/CallableStatement setByte(Ljava/lang/String;B)V
java/sql/CallableStatement setShort(Ljava/lang/String;S)V
java/sql/CallableStatement setInt(Ljava/lang/String;I)V
java/sql/CallableStatement setLong(Ljava/lang/String;J)V
java/sql/CallableStatement setFloat(Ljava/lang/String;F)V
java/sql/CallableStatement setDouble(Ljava/lang/String;D)V
java/sql/CallableStatement setBigDecimal(Ljava/lang/String;Ljava/math/BigDecimal;)V
java/sql/CallableStatement
setString(Ljava/lang/String;Ljava/lang/String;)V
java/sql/CallableStatement setBytes(Ljava/lang/String;[B)V
java/sql/CallableStatement setDate(Ljava/lang/String;Ljava/sql/Date;)V
java/sql/CallableStatement setTime(Ljava/lang/String;Ljava/sql/Time;)V
java/sql/CallableStatement setTimestamp(Ljava/lang/String;Ljava/sql/Timestamp;)V
java/sql/CallableStatement setAsciiStream(Ljava/lang/String;Ljava/io/InputStream;I)V
java/sql/CallableStatement setBinaryStream(Ljava/lang/String;Ljava/io/InputStream;I)V
java/sql/CallableStatement setObject(Ljava/lang/String;Ljava/lang/Object;II)V
java/sql/CallableStatement setObject(Ljava/lang/String;Ljava/lang/Object;I)V
java/sql/CallableStatement setObject(Ljava/lang/String;Ljava/lang/Object;)V
java/sql/CallableStatement setCharacterStream(Ljava/lang/String;Ljava/io/Reader;I)V
java/sql/CallableStatement setDate(Ljava/lang/String;Ljava/sql/Date;Ljava/util/Calendar;)V
java/sql/CallableStatement setTime(Ljava/lang/String;Ljava/sql/Time;Ljava/util/Calendar;)V
java/sql/CallableStatement
setTimestamp(Ljava/lang/String;Ljava/sql/Timestamp;Ljava/util/Calendar;)V
java/sql/CallableStatement setNull(Ljava/lang/String;ILjava/lang/String;)V
java/sql/CallableStatement getString(Ljava/lang/String;)Ljava/lang/String;
java/sql/CallableStatement getBoolean(Ljava/lang/String;)Z
java/sql/CallableStatement getByte(Ljava/lang/String;)B
java/sql/CallableStatement getShort(Ljava/lang/String;)S
java/sql/CallableStatement getInt(Ljava/lang/String;)I
java/sql/CallableStatement getLong(Ljava/lang/String;)J
java/sql/CallableStatement getFloat(Ljava/lang/String;)F
java/sql/CallableStatement getDouble(Ljava/lang/String;)D
java/sql/CallableStatement getBytes(Ljava/lang/String;)[B
java/sql/CallableStatement getDate(Ljava/lang/String;)Ljava/sql/Date;

java/sql/CallableStatement getTime(Ljava/lang/String;)Ljava/sql/Time;
java/sql/CallableStatement getTimestamp(Ljava/lang/String;)Ljava/sql/Timestamp;
java/sql/CallableStatement getObject(Ljava/lang/String;)Ljava/lang/Object;
java/sql/CallableStatement
getBigDecimal(Ljava/lang/String;)Ljava/math/BigDecimal;
java/sql/CallableStatement getObject(Ljava/lang/String;Ljava/util/Map;)Ljava/lang/Object;
java/sql/CallableStatement getRef(Ljava/lang/String;)Ljava/sql/Ref;
java/sql/CallableStatement getBlob(Ljava/lang/String;)Ljava/sql/Blob;
java/sql/CallableStatement getClob(Ljava/lang/String;)Ljava/sql/Clob;
java/sql/CallableStatement getArray(Ljava/lang/String;)Ljava/sql/Array;
java/sql/CallableStatement getDate(Ljava/lang/String;Ljava/util/Calendar;)Ljava/sql/Date;
java/sql/CallableStatement getTime(Ljava/lang/String;Ljava/util/Calendar;)Ljava/sql/Time;
java/sql/CallableStatement getTimestamp(Ljava/lang/String;Ljava/util/Calendar;)Ljava/sql/Timestamp;
java/sql/CallableStatement getURL(Ljava/lang/String;)Ljava/net/URL;
class java/sql/Clob java/lang/Object
java/sql/Clob length()J
java/sql/Clob getSubString(JI)Ljava/lang/String;
java/sql/Clob getCharacterStream()Ljava/io/Reader;
java/sql/Clob getAsciiStream()Ljava/io/InputStream;
java/sql/Clob
position(Ljava/lang/String;J)J
java/sql/Clob position(Ljava/sql/Clob;J)J
java/sql/Clob setString(JLjava/lang/String;)I
java/sql/Clob setString(JLjava/lang/String;II)I
java/sql/Clob setAsciiStream(J)Ljava/io/OutputStream;
java/sql/Clob setCharacterStream(J)Ljava/io/Writer;
java/sql/Clob truncate(J)V
class java/sql/Connection java/lang/Object
java/sql/Connection TRANSACTION_NONE
java/sql/Connection TRANSACTION_READ_UNCOMMITTED
java/sql/Connection TRANSACTION_READ_COMMITTED
java/sql/Connection TRANSACTION_REPEATABLE_READ
java/sql/Connection TRANSACTION_SERIALIZABLE
java/sql/Connection createStatement()Ljava/sql/Statement;
java/sql/Connection prepareStatement(Ljava/lang/String;)Ljava/sql/PreparedStatement;
java/sql/Connection prepareCall(Ljava/lang/String;)Ljava/sql/CallableStatement;
java/sql/Connection nativeSQL(Ljava/lang/String;)Ljava/lang/String;
java/sql/Connection setAutoCommit(Z)V
java/sql/Connection getAutoCommit()Z
java/sql/Connection commit()V
java/sql/Connection
rollback()V
java/sql/Connection close()V
java/sql/Connection isClosed()Z
java/sql/Connection getMetaData()Ljava/sql/DatabaseMetaData;
java/sql/Connection setReadOnly(Z)V
java/sql/Connection isReadOnly()Z
java/sql/Connection setCatalog(Ljava/lang/String;)V

java/sql/Connection getCatalog()Ljava/lang/String;
java/sql/Connection setTransactionIsolation(I)V
java/sql/Connection getTransactionIsolation()I
java/sql/Connection getWarnings()Ljava/sql/SQLWarning;
java/sql/Connection clearWarnings()V
java/sql/Connection createStatement(II)Ljava/sql/Statement;
java/sql/Connection prepareStatement(Ljava/lang/String;II)Ljava/sql/PreparedStatement;
java/sql/Connection prepareCall(Ljava/lang/String;II)Ljava/sql/CallableStatement;
java/sql/Connection getTypeMap()Ljava/util/Map;
java/sql/Connection setTypeMap(Ljava/util/Map;)V
java/sql/Connection setHoldability(I)V
java/sql/Connection getHoldability()I
java/sql/Connection setSavepoint()Ljava/sql/Savepoint;
java/sql/Connection setSavepoint(Ljava/lang/String;)Ljava/sql/Savepoint;
java/sql/Connection
rollback(Ljava/sql/Savepoint;)V
java/sql/Connection releaseSavepoint(Ljava/sql/Savepoint;)V
java/sql/Connection createStatement(III)Ljava/sql/Statement;
java/sql/Connection prepareStatement(Ljava/lang/String;III)Ljava/sql/PreparedStatement;
java/sql/Connection prepareCall(Ljava/lang/String;III)Ljava/sql/CallableStatement;
java/sql/Connection prepareStatement(Ljava/lang/String;I)Ljava/sql/PreparedStatement;
java/sql/Connection prepareStatement(Ljava/lang/String;[I)Ljava/sql/PreparedStatement;
java/sql/Connection prepareStatement(Ljava/lang/String;[Ljava/lang/String;)Ljava/sql/PreparedStatement;
class java/sql/DataTruncation java/sql/SQLWarning
java/sql/DataTruncation index
java/sql/DataTruncation parameter
java/sql/DataTruncation read
java/sql/DataTruncation dataSize
java/sql/DataTruncation transferSize
java/sql/DataTruncation <init>(IZZII)V
java/sql/DataTruncation getIndex()I
java/sql/DataTruncation getParameter()Z
java/sql/DataTruncation
getRead()Z
java/sql/DataTruncation getDataSize()I
java/sql/DataTruncation getTransferSize()I
class java/sql/DatabaseMetaData java/lang/Object
java/sql/DatabaseMetaData procedureResultUnknown
java/sql/DatabaseMetaData procedureNoResult
java/sql/DatabaseMetaData procedureReturnsResult
java/sql/DatabaseMetaData procedureColumnUnknown
java/sql/DatabaseMetaData procedureColumnIn
java/sql/DatabaseMetaData procedureColumnInOut
java/sql/DatabaseMetaData procedureColumnOut
java/sql/DatabaseMetaData procedureColumnReturn
java/sql/DatabaseMetaData procedureColumnResult
java/sql/DatabaseMetaData procedureNoNulls
java/sql/DatabaseMetaData procedureNullable

java/sql/DatabaseMetaData procedureNullableUnknown
java/sql/DatabaseMetaData columnNoNulls
java/sql/DatabaseMetaData columnNullable
java/sql/DatabaseMetaData columnNullableUnknown
java/sql/DatabaseMetaData bestRowTemporary
java/sql/DatabaseMetaData bestRowTransaction
java/sql/DatabaseMetaData bestRowSession
java/sql/DatabaseMetaData
bestRowUnknown
java/sql/DatabaseMetaData bestRowNotPseudo
java/sql/DatabaseMetaData bestRowPseudo
java/sql/DatabaseMetaData versionColumnUnknown
java/sql/DatabaseMetaData versionColumnNotPseudo
java/sql/DatabaseMetaData versionColumnPseudo
java/sql/DatabaseMetaData importedKeyCascade
java/sql/DatabaseMetaData importedKeyRestrict
java/sql/DatabaseMetaData importedKeySetNull
java/sql/DatabaseMetaData importedKeyNoAction
java/sql/DatabaseMetaData importedKeySetDefault
java/sql/DatabaseMetaData importedKeyInitiallyDeferred
java/sql/DatabaseMetaData importedKeyInitiallyImmediate
java/sql/DatabaseMetaData importedKeyNotDeferrable
java/sql/DatabaseMetaData typeNoNulls
java/sql/DatabaseMetaData typeNullable
java/sql/DatabaseMetaData typeNullableUnknown
java/sql/DatabaseMetaData typePredNone
java/sql/DatabaseMetaData typePredChar
java/sql/DatabaseMetaData typePredBasic
java/sql/DatabaseMetaData typeSearchable
java/sql/DatabaseMetaData tableIndexStatistic
java/sql/DatabaseMetaData tableIndexClustered
java/sql/DatabaseMetaData
tableIndexHashed
java/sql/DatabaseMetaData tableIndexOther
java/sql/DatabaseMetaData attributeNoNulls
java/sql/DatabaseMetaData attributeNullable
java/sql/DatabaseMetaData attributeNullableUnknown
java/sql/DatabaseMetaData sqlStateXOpen
java/sql/DatabaseMetaData sqlStateSQL99
java/sql/DatabaseMetaData allProceduresAreCallable()Z
java/sql/DatabaseMetaData allTablesAreSelectable()Z
java/sql/DatabaseMetaData getURL()Ljava/lang/String;
java/sql/DatabaseMetaData getUserName()Ljava/lang/String;
java/sql/DatabaseMetaData isReadOnly()Z
java/sql/DatabaseMetaData nullsAreSortedHigh()Z
java/sql/DatabaseMetaData nullsAreSortedLow()Z
java/sql/DatabaseMetaData nullsAreSortedAtStart()Z
java/sql/DatabaseMetaData nullsAreSortedAtEnd()Z

java/sql/DatabaseMetaData getDatabaseProductName()Ljava/lang/String;
java/sql/DatabaseMetaData getDatabaseProductVersion()Ljava/lang/String;
java/sql/DatabaseMetaData getDriverName()Ljava/lang/String;
java/sql/DatabaseMetaData getDriverVersion()Ljava/lang/String;
java/sql/DatabaseMetaData
getDriverMajorVersion()I
java/sql/DatabaseMetaData getDriverMinorVersion()I
java/sql/DatabaseMetaData usesLocalFiles()Z
java/sql/DatabaseMetaData usesLocalFilePerTable()Z
java/sql/DatabaseMetaData supportsMixedCaseIdentifiers()Z
java/sql/DatabaseMetaData storesUpperCaseIdentifiers()Z
java/sql/DatabaseMetaData storesLowerCaseIdentifiers()Z
java/sql/DatabaseMetaData storesMixedCaseIdentifiers()Z
java/sql/DatabaseMetaData supportsMixedCaseQuotedIdentifiers()Z
java/sql/DatabaseMetaData storesUpperCaseQuotedIdentifiers()Z
java/sql/DatabaseMetaData storesLowerCaseQuotedIdentifiers()Z
java/sql/DatabaseMetaData storesMixedCaseQuotedIdentifiers()Z
java/sql/DatabaseMetaData getIdentifierQuoteString()Ljava/lang/String;
java/sql/DatabaseMetaData getSQLKeywords()Ljava/lang/String;
java/sql/DatabaseMetaData getNumericFunctions()Ljava/lang/String;
java/sql/DatabaseMetaData getStringFunctions()Ljava/lang/String;
java/sql/DatabaseMetaData getSystemFunctions()Ljava/lang/String;
java/sql/DatabaseMetaData
getTimeDateFunctions()Ljava/lang/String;
java/sql/DatabaseMetaData getSearchStringEscape()Ljava/lang/String;
java/sql/DatabaseMetaData getExtraNameCharacters()Ljava/lang/String;
java/sql/DatabaseMetaData supportsAlterTableWithAddColumn()Z
java/sql/DatabaseMetaData supportsAlterTableWithDropColumn()Z
java/sql/DatabaseMetaData supportsColumnAliasing()Z
java/sql/DatabaseMetaData nullPlusNonNullIsNull()Z
java/sql/DatabaseMetaData supportsConvert()Z
java/sql/DatabaseMetaData supportsConvert(II)Z
java/sql/DatabaseMetaData supportsTableCorrelationNames()Z
java/sql/DatabaseMetaData supportsDifferentTableCorrelationNames()Z
java/sql/DatabaseMetaData supportsExpressionsInOrderBy()Z
java/sql/DatabaseMetaData supportsOrderByUnrelated()Z
java/sql/DatabaseMetaData supportsGroupBy()Z
java/sql/DatabaseMetaData supportsGroupByUnrelated()Z
java/sql/DatabaseMetaData supportsGroupByBeyondSelect()Z
java/sql/DatabaseMetaData supportsLikeEscapeClause()Z
java/sql/DatabaseMetaData
supportsMultipleResultSets()Z
java/sql/DatabaseMetaData supportsMultipleTransactions()Z
java/sql/DatabaseMetaData supportsNonNullableColumns()Z
java/sql/DatabaseMetaData supportsMinimumSQLGrammar()Z
java/sql/DatabaseMetaData supportsCoreSQLGrammar()Z
java/sql/DatabaseMetaData supportsExtendedSQLGrammar()Z
java/sql/DatabaseMetaData supportsANSI92EntryLevelSQL()Z

java/sql/DatabaseMetaData supportsANSI92IntermediateSQL()Z
java/sql/DatabaseMetaData supportsANSI92FullSQL()Z
java/sql/DatabaseMetaData supportsIntegrityEnhancementFacility()Z
java/sql/DatabaseMetaData supportsOuterJoins()Z
java/sql/DatabaseMetaData supportsFullOuterJoins()Z
java/sql/DatabaseMetaData supportsLimitedOuterJoins()Z
java/sql/DatabaseMetaData getSchemaTerm()Ljava/lang/String;
java/sql/DatabaseMetaData getProcedureTerm()Ljava/lang/String;
java/sql/DatabaseMetaData getCatalogTerm()Ljava/lang/String;
java/sql/DatabaseMetaData isCatalogAtStart()Z
java/sql/DatabaseMetaData getCatalogSeparator()Ljava/lang/String;
java/sql/DatabaseMetaData
supportsSchemasInDataManipulation()Z
java/sql/DatabaseMetaData supportsSchemasInProcedureCalls()Z
java/sql/DatabaseMetaData supportsSchemasInTableDefinitions()Z
java/sql/DatabaseMetaData supportsSchemasInIndexDefinitions()Z
java/sql/DatabaseMetaData supportsSchemasInPrivilegeDefinitions()Z
java/sql/DatabaseMetaData supportsCatalogsInDataManipulation()Z
java/sql/DatabaseMetaData supportsCatalogsInProcedureCalls()Z
java/sql/DatabaseMetaData supportsCatalogsInTableDefinitions()Z
java/sql/DatabaseMetaData supportsCatalogsInIndexDefinitions()Z
java/sql/DatabaseMetaData supportsCatalogsInPrivilegeDefinitions()Z
java/sql/DatabaseMetaData supportsPositionedDelete()Z
java/sql/DatabaseMetaData supportsPositionedUpdate()Z
java/sql/DatabaseMetaData supportsSelectForUpdate()Z
java/sql/DatabaseMetaData supportsStoredProcedures()Z
java/sql/DatabaseMetaData supportsSubqueriesInComparisons()Z
java/sql/DatabaseMetaData supportsSubqueriesInExists()Z
java/sql/DatabaseMetaData
supportsSubqueriesInIns()Z
java/sql/DatabaseMetaData supportsSubqueriesInQuantifieds()Z
java/sql/DatabaseMetaData supportsCorrelatedSubqueries()Z
java/sql/DatabaseMetaData supportsUnion()Z
java/sql/DatabaseMetaData supportsUnionAll()Z
java/sql/DatabaseMetaData supportsOpenCursorsAcrossCommit()Z
java/sql/DatabaseMetaData supportsOpenCursorsAcrossRollback()Z
java/sql/DatabaseMetaData supportsOpenStatementsAcrossCommit()Z
java/sql/DatabaseMetaData supportsOpenStatementsAcrossRollback()Z
java/sql/DatabaseMetaData getMaxBinaryLiteralLength()I
java/sql/DatabaseMetaData getMaxCharLiteralLength()I
java/sql/DatabaseMetaData getMaxColumnNameLength()I
java/sql/DatabaseMetaData getMaxColumnsInGroupBy()I
java/sql/DatabaseMetaData getMaxColumnsInIndex()I
java/sql/DatabaseMetaData getMaxColumnsInOrderBy()I
java/sql/DatabaseMetaData getMaxColumnsInSelect()I
java/sql/DatabaseMetaData getMaxColumnsInTable()I
java/sql/DatabaseMetaData getMaxConnections()I
java/sql/DatabaseMetaData getMaxCursorNameLength()I

java/sql/DatabaseMetaData
getMaxIndexLength()I
java/sql/DatabaseMetaData getMaxSchemaNameLength()I
java/sql/DatabaseMetaData getMaxProcedureNameLength()I
java/sql/DatabaseMetaData getMaxCatalogNameLength()I
java/sql/DatabaseMetaData getMaxRowSize()I
java/sql/DatabaseMetaData doesMaxRowSizeIncludeBlobs()Z
java/sql/DatabaseMetaData getMaxStatementLength()I
java/sql/DatabaseMetaData getMaxStatements()I
java/sql/DatabaseMetaData getMaxTableNameLength()I
java/sql/DatabaseMetaData getMaxTablesInSelect()I
java/sql/DatabaseMetaData getMaxUserNameLength()I
java/sql/DatabaseMetaData getDefaultTransactionIsolation()I
java/sql/DatabaseMetaData supportsTransactions()Z
java/sql/DatabaseMetaData supportsTransactionIsolationLevel(I)Z
java/sql/DatabaseMetaData supportsDataDefinitionAndDataManipulationTransactions()Z
java/sql/DatabaseMetaData supportsDataManipulationTransactionsOnly()Z
java/sql/DatabaseMetaData dataDefinitionCausesTransactionCommit()Z
java/sql/DatabaseMetaData dataDefinitionIgnoredInTransactions()Z
java/sql/DatabaseMetaData
getProcedures(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getProcedureColumns(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getTables(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;[Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData getSchemas()Ljava/sql/ResultSet;
java/sql/DatabaseMetaData getCatalogs()Ljava/sql/ResultSet;
java/sql/DatabaseMetaData getTableTypes()Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getColumns(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getColumnPrivileges(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getTablePrivileges(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getBestRowIdentifier(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;IZ)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getVersionColumns(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getPrimaryKeys(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getImportedKeys(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getExportedKeys(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getCrossReference(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava
/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData getTypeInfo()Ljava/sql/ResultSet;

java/sql/DatabaseMetaData
getIndexInfo(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;ZZ)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData supportsResultSetType(I)Z
java/sql/DatabaseMetaData
supportsResultSetConcurrency(II)Z
java/sql/DatabaseMetaData ownUpdatesAreVisible(I)Z
java/sql/DatabaseMetaData ownDeletesAreVisible(I)Z
java/sql/DatabaseMetaData ownInsertsAreVisible(I)Z
java/sql/DatabaseMetaData othersUpdatesAreVisible(I)Z
java/sql/DatabaseMetaData othersDeletesAreVisible(I)Z
java/sql/DatabaseMetaData othersInsertsAreVisible(I)Z
java/sql/DatabaseMetaData updatesAreDetected(I)Z
java/sql/DatabaseMetaData deletesAreDetected(I)Z
java/sql/DatabaseMetaData insertsAreDetected(I)Z
java/sql/DatabaseMetaData supportsBatchUpdates()Z
java/sql/DatabaseMetaData getUDTs(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;[I)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData getConnection()Ljava/sql/Connection;
java/sql/DatabaseMetaData supportsSavepoints()Z
java/sql/DatabaseMetaData supportsNamedParameters()Z
java/sql/DatabaseMetaData supportsMultipleOpenResults()Z
java/sql/DatabaseMetaData supportsGetGeneratedKeys()Z
java/sql/DatabaseMetaData
getSuperTypes(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getSuperTables(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData
getAttributes(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/DatabaseMetaData supportsResultSetHoldability(I)Z
java/sql/DatabaseMetaData getResultSetHoldability()I
java/sql/DatabaseMetaData getDatabaseMajorVersion()I
java/sql/DatabaseMetaData getDatabaseMinorVersion()I
java/sql/DatabaseMetaData getJDBCMajorVersion()I
java/sql/DatabaseMetaData getJDBCMinorVersion()I
java/sql/DatabaseMetaData getSQLStateType()I
java/sql/DatabaseMetaData locatorsUpdateCopy()Z
java/sql/DatabaseMetaData supportsStatementPooling()Z
class java/sql/Date java/util/Date
java/sql/Date serialVersionUID
java/sql/Date <init>(III)V
java/sql/Date <init>(J)V
java/sql/Date setTime(J)V
java/sql/Date valueOf(Ljava/lang/String;)Ljava/sql/Date;
java/sql/Date
toString()Ljava/lang/String;
java/sql/Date getHours()I
java/sql/Date getMinutes()I
java/sql/Date getSeconds()I
java/sql/Date setHours(I)V

java/sql/Date setMinutes(I)V
java/sql/Date setSeconds(I)V
class java/sql/Driver java/lang/Object
java/sql/Driver connect(Ljava/lang/String;Ljava/util/Properties;)Ljava/sql/Connection;
java/sql/Driver acceptsURL(Ljava/lang/String;)Z
java/sql/Driver getPropertyInfo(Ljava/lang/String;Ljava/util/Properties;)[Ljava/sql/DriverPropertyInfo;
java/sql/Driver getMajorVersion()I
java/sql/Driver getMinorVersion()I
java/sql/Driver jdbcCompliant()Z
class java/sql/DriverInfo java/lang/Object
java/sql/DriverInfo driver
java/sql/DriverInfo driverClass
java/sql/DriverInfo driverClassName
java/sql/DriverInfo <init>()V
java/sql/DriverInfo toString()Ljava/lang/String;
class java/sql/DriverManager java/lang/Object
java/sql/DriverManager SET_LOG_PERMISSION
java/sql/DriverManager drivers
java/sql/DriverManager loginTimeout
java/sql/DriverManager logWriter
java/sql/DriverManager
logStream
java/sql/DriverManager initialized
java/sql/DriverManager logSync
java/sql/DriverManager getLogWriter()Ljava/io/PrintWriter;
java/sql/DriverManager setLogWriter(Ljava/io/PrintWriter;)V
java/sql/DriverManager getConnection(Ljava/lang/String;Ljava/util/Properties;)Ljava/sql/Connection;
java/sql/DriverManager
getConnection(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/sql/Connection;
java/sql/DriverManager getConnection(Ljava/lang/String;)Ljava/sql/Connection;
java/sql/DriverManager getDriver(Ljava/lang/String;)Ljava/sql/Driver;
java/sql/DriverManager registerDriver(Ljava/sql/Driver;)V
java/sql/DriverManager deregisterDriver(Ljava/sql/Driver;)V
java/sql/DriverManager getDrivers()Ljava/util/Enumeration;
java/sql/DriverManager setLoginTimeout(I)V
java/sql/DriverManager getLoginTimeout()I
java/sql/DriverManager setLogStream(Ljava/io/PrintStream;)V
java/sql/DriverManager getLogStream()Ljava/io/PrintStream;
java/sql/DriverManager println(Ljava/lang/String;)V
java/sql/DriverManager
getCallerClass(Ljava/lang/ClassLoader;Ljava/lang/String;)Ljava/lang/Class;
java/sql/DriverManager loadInitialDrivers()V
java/sql/DriverManager
getConnection(Ljava/lang/String;Ljava/util/Properties;Ljava/lang/ClassLoader;)Ljava/sql/Connection;
java/sql/DriverManager initialize()V
java/sql/DriverManager <init>()V
java/sql/DriverManager getCallerClassLoader()Ljava/lang/ClassLoader;
java/sql/DriverManager <clinit>()V

class java/sql/DriverPropertyInfo java/lang/Object
java/sql/DriverPropertyInfo name
java/sql/DriverPropertyInfo description
java/sql/DriverPropertyInfo required
java/sql/DriverPropertyInfo value
java/sql/DriverPropertyInfo choices
java/sql/DriverPropertyInfo <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/sql/ParameterMetaData java/lang/Object
java/sql/ParameterMetaData parameterNoNulls
java/sql/ParameterMetaData parameterNullable
java/sql/ParameterMetaData parameterNullableUnknown
java/sql/ParameterMetaData parameterModeUnknown
java/sql/ParameterMetaData
parameterModeIn
java/sql/ParameterMetaData parameterModeInOut
java/sql/ParameterMetaData parameterModeOut
java/sql/ParameterMetaData getParameterCount()I
java/sql/ParameterMetaData isNullable(I)I
java/sql/ParameterMetaData isSigned(I)Z
java/sql/ParameterMetaData getPrecision(I)I
java/sql/ParameterMetaData getScale(I)I
java/sql/ParameterMetaData getParameterType(I)I
java/sql/ParameterMetaData getParameterTypeName(I)Ljava/lang/String;
java/sql/ParameterMetaData getParameterClassName(I)Ljava/lang/String;
java/sql/ParameterMetaData getParameterMode(I)I
class java/sql/PreparedStatement java/lang/Object
java/sql/PreparedStatement executeQuery()Ljava/sql/ResultSet;
java/sql/PreparedStatement executeUpdate()I
java/sql/PreparedStatement setNull(II)V
java/sql/PreparedStatement setBoolean(IZ)V
java/sql/PreparedStatement setByte(IB)V
java/sql/PreparedStatement setShort(IS)V
java/sql/PreparedStatement setInt(II)V
java/sql/PreparedStatement setLong(IJ)V
java/sql/PreparedStatement setFloat(IF)V
java/sql/PreparedStatement
setDouble(ID)V
java/sql/PreparedStatement setBigDecimal(ILjava/math/BigDecimal;)V
java/sql/PreparedStatement setString(ILjava/lang/String;)V
java/sql/PreparedStatement setBytes(I[B)V
java/sql/PreparedStatement setDate(ILjava/sql/Date;)V
java/sql/PreparedStatement setTime(ILjava/sql/Time;)V
java/sql/PreparedStatement setTimestamp(ILjava/sql/Timestamp;)V
java/sql/PreparedStatement setAsciiStream(ILjava/io/InputStream;I)V
java/sql/PreparedStatement setUnicodeStream(ILjava/io/InputStream;I)V
java/sql/PreparedStatement setBinaryStream(ILjava/io/InputStream;I)V
java/sql/PreparedStatement clearParameters()V
java/sql/PreparedStatement setObject(ILjava/lang/Object;II)V

java/sql/PreparedStatement setObject(ILjava/lang/Object;I)V
java/sql/PreparedStatement setObject(ILjava/lang/Object;)V
java/sql/PreparedStatement execute()Z
java/sql/PreparedStatement addBatch()V
java/sql/PreparedStatement setCharacterStream(ILjava/io/Reader;I)V
java/sql/PreparedStatement setRef(ILjava/sql/Ref;)V
java/sql/PreparedStatement
setBlob(ILjava/sql/Blob;)V
java/sql/PreparedStatement setClob(ILjava/sql/Clob;)V
java/sql/PreparedStatement setArray(ILjava/sql/Array;)V
java/sql/PreparedStatement getMetaData()Ljava/sql/ResultSetMetaData;
java/sql/PreparedStatement setDate(ILjava/sql/Date;Ljava/util/Calendar;)V
java/sql/PreparedStatement setTime(ILjava/sql/Time;Ljava/util/Calendar;)V
java/sql/PreparedStatement setTimestamp(ILjava/sql/Timestamp;Ljava/util/Calendar;)V
java/sql/PreparedStatement setNull(IILjava/lang/String;)V
java/sql/PreparedStatement setURL(ILjava/net/URL;)V
java/sql/PreparedStatement getParameterMetaData()Ljava/sql/ParameterMetaData;
class java/sql/Ref java/lang/Object
java/sql/Ref getBaseTypeName()Ljava/lang/String;
java/sql/Ref getObject(Ljava/util/Map;)Ljava/lang/Object;
java/sql/Ref getObject()Ljava/lang/Object;
java/sql/Ref setObject(Ljava/lang/Object;)V
class java/sql/ResultSet java/lang/Object
java/sql/ResultSet FETCH_FORWARD
java/sql/ResultSet FETCH_REVERSE
java/sql/ResultSet
FETCH_UNKNOWN
java/sql/ResultSet TYPE_FORWARD_ONLY
java/sql/ResultSet TYPE_SCROLL_INSENSITIVE
java/sql/ResultSet TYPE_SCROLL_SENSITIVE
java/sql/ResultSet CONCUR_READ_ONLY
java/sql/ResultSet CONCUR_UPDATABLE
java/sql/ResultSet HOLD_CURSORS_OVER_COMMIT
java/sql/ResultSet CLOSE_CURSORS_AT_COMMIT
java/sql/ResultSet next()Z
java/sql/ResultSet close()V
java/sql/ResultSet wasNull()Z
java/sql/ResultSet getString(I)Ljava/lang/String;
java/sql/ResultSet getBoolean(I)Z
java/sql/ResultSet getByte(I)B
java/sql/ResultSet getShort(I)S
java/sql/ResultSet getInt(I)I
java/sql/ResultSet getLong(I)J
java/sql/ResultSet getFloat(I)F
java/sql/ResultSet getDouble(I)D
java/sql/ResultSet getBigDecimal(II)Ljava/math/BigDecimal;
java/sql/ResultSet getBytes(I)[B
java/sql/ResultSet getDate(I)Ljava/sql/Date;

java/sql/ResultSet getTime(I)Ljava/sql/Time;
java/sql/ResultSet getTimestamp(I)Ljava/sql/Timestamp;
java/sql/ResultSet getAsciiStream(I)Ljava/io/InputStream;
java/sql/ResultSet getUnicodeStream(I)Ljava/io/InputStream;
java/sql/ResultSet
getBinaryStream(I)Ljava/io/InputStream;
java/sql/ResultSet getString(Ljava/lang/String;)Ljava/lang/String;
java/sql/ResultSet getBoolean(Ljava/lang/String;)Z
java/sql/ResultSet getByte(Ljava/lang/String;)B
java/sql/ResultSet getShort(Ljava/lang/String;)S
java/sql/ResultSet getInt(Ljava/lang/String;)I
java/sql/ResultSet getLong(Ljava/lang/String;)J
java/sql/ResultSet getFloat(Ljava/lang/String;)F
java/sql/ResultSet getDouble(Ljava/lang/String;)D
java/sql/ResultSet getBigDecimal(Ljava/lang/String;I)Ljava/math/BigDecimal;
java/sql/ResultSet getBytes(Ljava/lang/String;)[B
java/sql/ResultSet getDate(Ljava/lang/String;)Ljava/sql/Date;
java/sql/ResultSet getTime(Ljava/lang/String;)Ljava/sql/Time;
java/sql/ResultSet getTimestamp(Ljava/lang/String;)Ljava/sql/Timestamp;
java/sql/ResultSet getAsciiStream(Ljava/lang/String;)Ljava/io/InputStream;
java/sql/ResultSet getUnicodeStream(Ljava/lang/String;)Ljava/io/InputStream;
java/sql/ResultSet getBinaryStream(Ljava/lang/String;)Ljava/io/InputStream;
java/sql/ResultSet
getWarnings()Ljava/sql/SQLWarning;
java/sql/ResultSet clearWarnings()V
java/sql/ResultSet getCursorName()Ljava/lang/String;
java/sql/ResultSet getMetaData()Ljava/sql/ResultSetMetaData;
java/sql/ResultSet getObject(I)Ljava/lang/Object;
java/sql/ResultSet getObject(Ljava/lang/String;)Ljava/lang/Object;
java/sql/ResultSet findColumn(Ljava/lang/String;)I
java/sql/ResultSet getCharacterStream(I)Ljava/io/Reader;
java/sql/ResultSet getCharacterStream(Ljava/lang/String;)Ljava/io/Reader;
java/sql/ResultSet getBigDecimal(I)Ljava/math/BigDecimal;
java/sql/ResultSet getBigDecimal(Ljava/lang/String;)Ljava/math/BigDecimal;
java/sql/ResultSet isBeforeFirst()Z
java/sql/ResultSet isAfterLast()Z
java/sql/ResultSet isFirst()Z
java/sql/ResultSet isLast()Z
java/sql/ResultSet beforeFirst()V
java/sql/ResultSet afterLast()V
java/sql/ResultSet first()Z
java/sql/ResultSet last()Z
java/sql/ResultSet getRow()I
java/sql/ResultSet absolute(I)Z
java/sql/ResultSet
relative(I)Z
java/sql/ResultSet previous()Z
java/sql/ResultSet setFetchDirection(I)V

java/sql/ResultSet getFetchDirection()I
java/sql/ResultSet setFetchSize(I)V
java/sql/ResultSet getFetchSize()I
java/sql/ResultSet getType()I
java/sql/ResultSet getConcurrency()I
java/sql/ResultSet rowUpdated()Z
java/sql/ResultSet rowInserted()Z
java/sql/ResultSet rowDeleted()Z
java/sql/ResultSet updateNull(I)V
java/sql/ResultSet updateBoolean(IZ)V
java/sql/ResultSet updateByte(IB)V
java/sql/ResultSet updateShort(IS)V
java/sql/ResultSet updateInt(II)V
java/sql/ResultSet updateLong(IJ)V
java/sql/ResultSet updateFloat(IF)V
java/sql/ResultSet updateDouble(ID)V
java/sql/ResultSet updateBigDecimal(ILjava/math/BigDecimal;)V
java/sql/ResultSet updateString(ILjava/lang/String;)V
java/sql/ResultSet updateBytes(I[B)V
java/sql/ResultSet updateDate(ILjava/sql/Date;)V
java/sql/ResultSet updateTime(ILjava/sql/Time;)V
java/sql/ResultSet updateTimestamp(ILjava/sql/Timestamp;)V
java/sql/ResultSet updateAsciiStream(ILjava/io/InputStream;I)V
java/sql/ResultSet
updateBinaryStream(ILjava/io/InputStream;I)V
java/sql/ResultSet updateCharacterStream(ILjava/io/Reader;I)V
java/sql/ResultSet updateObject(ILjava/lang/Object;I)V
java/sql/ResultSet updateObject(ILjava/lang/Object;)V
java/sql/ResultSet updateNull(Ljava/lang/String;)V
java/sql/ResultSet updateBoolean(Ljava/lang/String;Z)V
java/sql/ResultSet updateByte(Ljava/lang/String;B)V
java/sql/ResultSet updateShort(Ljava/lang/String;S)V
java/sql/ResultSet updateInt(Ljava/lang/String;I)V
java/sql/ResultSet updateLong(Ljava/lang/String;J)V
java/sql/ResultSet updateFloat(Ljava/lang/String;F)V
java/sql/ResultSet updateDouble(Ljava/lang/String;D)V
java/sql/ResultSet updateBigDecimal(Ljava/lang/String;Ljava/math/BigDecimal;)V
java/sql/ResultSet updateString(Ljava/lang/String;Ljava/lang/String;)V
java/sql/ResultSet updateBytes(Ljava/lang/String;[B)V
java/sql/ResultSet updateDate(Ljava/lang/String;Ljava/sql/Date;)V
java/sql/ResultSet updateTime(Ljava/lang/String;Ljava/sql/Time;)V
java/sql/ResultSet
updateTimestamp(Ljava/lang/String;Ljava/sql/Timestamp;)V
java/sql/ResultSet updateAsciiStream(Ljava/lang/String;Ljava/io/InputStream;I)V
java/sql/ResultSet updateBinaryStream(Ljava/lang/String;Ljava/io/InputStream;I)V
java/sql/ResultSet updateCharacterStream(Ljava/lang/String;Ljava/io/Reader;I)V
java/sql/ResultSet updateObject(Ljava/lang/String;Ljava/lang/Object;I)V
java/sql/ResultSet updateObject(Ljava/lang/String;Ljava/lang/Object;)V

java/sql/ResultSet insertRow()V
java/sql/ResultSet updateRow()V
java/sql/ResultSet deleteRow()V
java/sql/ResultSet refreshRow()V
java/sql/ResultSet cancelRowUpdates()V
java/sql/ResultSet moveToInsertRow()V
java/sql/ResultSet moveToCurrentRow()V
java/sql/ResultSet getStatement()Ljava/sql/Statement;
java/sql/ResultSet getObject(ILjava/util/Map;)Ljava/lang/Object;
java/sql/ResultSet getRef(I)Ljava/sql/Ref;
java/sql/ResultSet getBlob(I)Ljava/sql/Blob;
java/sql/ResultSet getClob(I)Ljava/sql/Clob;
java/sql/ResultSet
getArray(I)Ljava/sql/Array;
java/sql/ResultSet getObject(Ljava/lang/String;Ljava/util/Map;)Ljava/lang/Object;
java/sql/ResultSet getRef(Ljava/lang/String;)Ljava/sql/Ref;
java/sql/ResultSet getBlob(Ljava/lang/String;)Ljava/sql/Blob;
java/sql/ResultSet getClob(Ljava/lang/String;)Ljava/sql/Clob;
java/sql/ResultSet getArray(Ljava/lang/String;)Ljava/sql/Array;
java/sql/ResultSet getDate(ILjava/util/Calendar;)Ljava/sql/Date;
java/sql/ResultSet getDate(Ljava/lang/String;Ljava/util/Calendar;)Ljava/sql/Date;
java/sql/ResultSet getTime(ILjava/util/Calendar;)Ljava/sql/Time;
java/sql/ResultSet getTime(Ljava/lang/String;Ljava/util/Calendar;)Ljava/sql/Time;
java/sql/ResultSet getTimestamp(ILjava/util/Calendar;)Ljava/sql/Timestamp;
java/sql/ResultSet getTimestamp(Ljava/lang/String;Ljava/util/Calendar;)Ljava/sql/Timestamp;
java/sql/ResultSet getURL(I)Ljava/net/URL;
java/sql/ResultSet getURL(Ljava/lang/String;)Ljava/net/URL;
java/sql/ResultSet updateRef(ILjava/sql/Ref;)V
java/sql/ResultSet updateRef(Ljava/lang/String;Ljava/sql/Ref;)V
java/sql/ResultSet
updateBlob(ILjava/sql/Blob;)V
java/sql/ResultSet updateBlob(Ljava/lang/String;Ljava/sql/Blob;)V
java/sql/ResultSet updateClob(ILjava/sql/Clob;)V
java/sql/ResultSet updateClob(Ljava/lang/String;Ljava/sql/Clob;)V
java/sql/ResultSet updateArray(ILjava/sql/Array;)V
java/sql/ResultSet updateArray(Ljava/lang/String;Ljava/sql/Array;)V
class java/sql/ResultSetMetaData java/lang/Object
java/sql/ResultSetMetaData columnNoNulls
java/sql/ResultSetMetaData columnNullable
java/sql/ResultSetMetaData columnNullableUnknown
java/sql/ResultSetMetaData getColumnCount()I
java/sql/ResultSetMetaData isAutoIncrement(I)Z
java/sql/ResultSetMetaData isCaseSensitive(I)Z
java/sql/ResultSetMetaData isSearchable(I)Z
java/sql/ResultSetMetaData isCurrency(I)Z
java/sql/ResultSetMetaData isNullable(I)I
java/sql/ResultSetMetaData isSigned(I)Z
java/sql/ResultSetMetaData getColumnDisplaySize(I)I

java/sql/ResultSetMetaData getColumnLabel(I)Ljava/lang/String;
java/sql/ResultSetMetaData
getColumnName(I)Ljava/lang/String;
java/sql/ResultSetMetaData getSchemaName(I)Ljava/lang/String;
java/sql/ResultSetMetaData getPrecision(I)I
java/sql/ResultSetMetaData getScale(I)I
java/sql/ResultSetMetaData getTableName(I)Ljava/lang/String;
java/sql/ResultSetMetaData getCatalogName(I)Ljava/lang/String;
java/sql/ResultSetMetaData getColumnType(I)I
java/sql/ResultSetMetaData getColumnTypeName(I)Ljava/lang/String;
java/sql/ResultSetMetaData isReadOnly(I)Z
java/sql/ResultSetMetaData isWritable(I)Z
java/sql/ResultSetMetaData isDefinitelyWritable(I)Z
java/sql/ResultSetMetaData getColumnClassName(I)Ljava/lang/String;
class java/sql/SQLData java/lang/Object
java/sql/SQLData getSQLTypeName()Ljava/lang/String;
java/sql/SQLData readSQL(Ljava/sql/SQLInput;Ljava/lang/String;)V
java/sql/SQLData writeSQL(Ljava/sql/SQLOutput;)V
class java/sql/SQLException java/lang/Exception
java/sql/SQLException SQLState
java/sql/SQLException vendorCode
java/sql/SQLException next
java/sql/SQLException
<init>(Ljava/lang/String;Ljava/lang/String;I)V
java/sql/SQLException <init>(Ljava/lang/String;Ljava/lang/String;)V
java/sql/SQLException <init>(Ljava/lang/String;)V
java/sql/SQLException <init>()V
java/sql/SQLException getSQLState()Ljava/lang/String;
java/sql/SQLException getErrorCode()I
java/sql/SQLException getNextException()Ljava/sql/SQLException;
java/sql/SQLException setNextException(Ljava/sql/SQLException;)V
class java/sql/SQLInput java/lang/Object
java/sql/SQLInput readString()Ljava/lang/String;
java/sql/SQLInput readBoolean()Z
java/sql/SQLInput readByte()B
java/sql/SQLInput readShort()S
java/sql/SQLInput readInt()I
java/sql/SQLInput readLong()J
java/sql/SQLInput readFloat()F
java/sql/SQLInput readDouble()D
java/sql/SQLInput readBigDecimal()Ljava/math/BigDecimal;
java/sql/SQLInput readBytes()[B
java/sql/SQLInput readDate()Ljava/sql/Date;
java/sql/SQLInput readTime()Ljava/sql/Time;
java/sql/SQLInput readTimestamp()Ljava/sql/Timestamp;
java/sql/SQLInput readCharacterStream()Ljava/io/Reader;
java/sql/SQLInput

readAsciiStream()Ljava/io/InputStream;
java/sql/SQLInput readBinaryStream()Ljava/io/InputStream;
java/sql/SQLInput readObject()Ljava/lang/Object;
java/sql/SQLInput readRef()Ljava/sql/Ref;
java/sql/SQLInput readBlob()Ljava/sql/Blob;
java/sql/SQLInput readClob()Ljava/sql/Clob;
java/sql/SQLInput readArray()Ljava/sql/Array;
java/sql/SQLInput wasNull()Z
java/sql/SQLInput readURL()Ljava/net/URL;
class java/sql/SQLOutput java/lang/Object
java/sql/SQLOutput writeString(Ljava/lang/String;)V
java/sql/SQLOutput writeBoolean(Z)V
java/sql/SQLOutput writeByte(B)V
java/sql/SQLOutput writeShort(S)V
java/sql/SQLOutput writeInt(I)V
java/sql/SQLOutput writeLong(J)V
java/sql/SQLOutput writeFloat(F)V
java/sql/SQLOutput writeDouble(D)V
java/sql/SQLOutput writeBigDecimal(Ljava/math/BigDecimal;)V
java/sql/SQLOutput writeBytes([B)V
java/sql/SQLOutput writeDate(Ljava/sql/Date;)V
java/sql/SQLOutput writeTime(Ljava/sql/Time;)V
java/sql/SQLOutput writeTimestamp(Ljava/sql/Timestamp;)V
java/sql/SQLOutput
writeCharacterStream(Ljava/io/Reader;)V
java/sql/SQLOutput writeAsciiStream(Ljava/io/InputStream;)V
java/sql/SQLOutput writeBinaryStream(Ljava/io/InputStream;)V
java/sql/SQLOutput writeObject(Ljava/sql/SQLData;)V
java/sql/SQLOutput writeRef(Ljava/sql/Ref;)V
java/sql/SQLOutput writeBlob(Ljava/sql/Blob;)V
java/sql/SQLOutput writeClob(Ljava/sql/Clob;)V
java/sql/SQLOutput writeStruct(Ljava/sql/Struct;)V
java/sql/SQLOutput writeArray(Ljava/sql/Array;)V
java/sql/SQLOutput writeURL(Ljava/net/URL;)V
class java/sql/SQLPermission java/security/BasicPermission
java/sql/SQLPermission serialVersionUID
java/sql/SQLPermission <init>(Ljava/lang/String;)V
java/sql/SQLPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/sql/SQLWarning java/sql/SQLException
java/sql/SQLWarning <init>(Ljava/lang/String;Ljava/lang/String;I)V
java/sql/SQLWarning <init>(Ljava/lang/String;Ljava/lang/String;)V
java/sql/SQLWarning <init>(Ljava/lang/String;)V
java/sql/SQLWarning <init>()V
java/sql/SQLWarning
getNextWarning()Ljava/sql/SQLWarning;
java/sql/SQLWarning setNextWarning(Ljava/sql/SQLWarning;)V
class java/sql/Savepoint java/lang/Object
java/sql/Savepoint getSavepointId()I

java/sql/Savepoint getSavepointName()Ljava/lang/String;
class java/sql/Statement java/lang/Object
java/sql/Statement CLOSE_CURRENT_RESULT
java/sql/Statement KEEP_CURRENT_RESULT
java/sql/Statement CLOSE_ALL_RESULTS
java/sql/Statement SUCCESS_NO_INFO
java/sql/Statement EXECUTE_FAILED
java/sql/Statement RETURN_GENERATED_KEYS
java/sql/Statement NO_GENERATED_KEYS
java/sql/Statement executeQuery(Ljava/lang/String;)Ljava/sql/ResultSet;
java/sql/Statement executeUpdate(Ljava/lang/String;)I
java/sql/Statement close()V
java/sql/Statement getMaxFieldSize()I
java/sql/Statement setMaxFieldSize(I)V
java/sql/Statement getMaxRows()I
java/sql/Statement setMaxRows(I)V
java/sql/Statement setEscapeProcessing(Z)V
java/sql/Statement getQueryTimeout()I
java/sql/Statement setQueryTimeout(I)V
java/sql/Statement cancel()V
java/sql/Statement
getWarnings()Ljava/sql/SQLWarning;
java/sql/Statement clearWarnings()V
java/sql/Statement setCursorName(Ljava/lang/String;)V
java/sql/Statement execute(Ljava/lang/String;)Z
java/sql/Statement getResultSet()Ljava/sql/ResultSet;
java/sql/Statement getUpdateCount()I
java/sql/Statement getMoreResults()Z
java/sql/Statement setFetchDirection(I)V
java/sql/Statement getFetchDirection()I
java/sql/Statement setFetchSize(I)V
java/sql/Statement getFetchSize()I
java/sql/Statement getResultSetConcurrency()I
java/sql/Statement getResultSetType()I
java/sql/Statement addBatch(Ljava/lang/String;)V
java/sql/Statement clearBatch()V
java/sql/Statement executeBatch()[I
java/sql/Statement getConnection()Ljava/sql/Connection;
java/sql/Statement getMoreResults(I)Z
java/sql/Statement getGeneratedKeys()Ljava/sql/ResultSet;
java/sql/Statement executeUpdate(Ljava/lang/String;I)I
java/sql/Statement executeUpdate(Ljava/lang/String;[I)I
java/sql/Statement executeUpdate(Ljava/lang/String;[Ljava/lang/String;)I
java/sql/Statement
execute(Ljava/lang/String;I)Z
java/sql/Statement execute(Ljava/lang/String;[I)Z
java/sql/Statement execute(Ljava/lang/String;[Ljava/lang/String;)Z
java/sql/Statement getResultSetHoldability()I

class java/sql/Struct java/lang/Object
java/sql/Struct getSQLTypeName()Ljava/lang/String;
java/sql/Struct getAttributes()[Ljava/lang/Object;
java/sql/Struct getAttributes(Ljava/util/Map;)[Ljava/lang/Object;
class java/sql/Time java/util/Date
java/sql/Time serialVersionUID
java/sql/Time <init>(III)V
java/sql/Time <init>(J)V
java/sql/Time setTime(J)V
java/sql/Time valueOf(Ljava/lang/String;)Ljava/sql/Time;
java/sql/Time toString()Ljava/lang/String;
java/sql/Time getYear()I
java/sql/Time getMonth()I
java/sql/Time getDay()I
java/sql/Time getDate()I
java/sql/Time setYear(I)V
java/sql/Time setMonth(I)V
java/sql/Time setDate(I)V
class java/sql/Timestamp java/util/Date
java/sql/Timestamp nanos
java/sql/Timestamp serialVersionUID
java/sql/Timestamp <init>(IIIIIII)V
java/sql/Timestamp
<init>(J)V
java/sql/Timestamp setTime(J)V
java/sql/Timestamp getTime()J
java/sql/Timestamp valueOf(Ljava/lang/String;)Ljava/sql/Timestamp;
java/sql/Timestamp toString()Ljava/lang/String;
java/sql/Timestamp getNanos()I
java/sql/Timestamp setNanos(I)V
java/sql/Timestamp equals(Ljava/sql/Timestamp;)Z
java/sql/Timestamp equals(Ljava/lang/Object;)Z
java/sql/Timestamp before(Ljava/sql/Timestamp;)Z
java/sql/Timestamp after(Ljava/sql/Timestamp;)Z
java/sql/Timestamp compareTo(Ljava/sql/Timestamp;)I
java/sql/Timestamp compareTo(Ljava/util/Date;)I
java/sql/Timestamp compareTo(Ljava/lang/Object;)I
class java/sql/Types java/lang/Object
java/sql/Types BIT
java/sql/Types TINYINT
java/sql/Types SMALLINT
java/sql/Types INTEGER
java/sql/Types BIGINT
java/sql/Types FLOAT
java/sql/Types REAL
java/sql/Types DOUBLE
java/sql/Types NUMERIC
java/sql/Types DECIMAL

java/sql/Types CHAR
java/sql/Types VARCHAR
java/sql/Types LONGVARCHAR
java/sql/Types DATE
java/sql/Types TIME
java/sql/Types TIMESTAMP
java/sql/Types
BINARY
java/sql/Types VARBINARY
java/sql/Types LONGVARBINARY
java/sql/Types NULL
java/sql/Types OTHER
java/sql/Types JAVA_OBJECT
java/sql/Types DISTINCT
java/sql/Types STRUCT
java/sql/Types ARRAY
java/sql/Types BLOB
java/sql/Types CLOB
java/sql/Types REF
java/sql/Types DATALINK
java/sql/Types BOOLEAN
java/sql/Types <init>()V
class java/text/Annotation java/lang/Object
java/text/Annotation value
java/text/Annotation <init>(Ljava/lang/Object;)V
java/text/Annotation getValue()Ljava/lang/Object;
java/text/Annotation toString()Ljava/lang/String;
class java/text/AttributeEntry java/lang/Object
java/text/AttributeEntry key
java/text/AttributeEntry value
java/text/AttributeEntry <init>(Ljava/text/AttributedCharacterIterator$Attribute;Ljava/lang/Object;)V
java/text/AttributeEntry equals(Ljava/lang/Object;)Z
java/text/AttributeEntry getKey()Ljava/lang/Object;
java/text/AttributeEntry getValue()Ljava/lang/Object;
java/text/AttributeEntry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/text/AttributeEntry
hashCode()I
java/text/AttributeEntry toString()Ljava/lang/String;
class java/text/AttributedString$AttributeMap java/util/AbstractMap
java/text/AttributedString$AttributeMap runIndex
java/text/AttributedString$AttributeMap beginIndex
java/text/AttributedString$AttributeMap endIndex
java/text/AttributedString$AttributeMap this$0
java/text/AttributedString$AttributeMap <init>(Ljava/text/AttributedString;III)V
java/text/AttributedString$AttributeMap entrySet()Ljava/util/Set;
java/text/AttributedString$AttributeMap get(Ljava/lang/Object;)Ljava/lang/Object;
class java/text/BreakDictionary$1 java/lang/Object
java/text/BreakDictionary$1 val$dictionaryName

java/text/BreakDictionary$1 this$0
java/text/BreakDictionary$1 <init>(Ljava/text/BreakDictionary;Ljava/lang/String;)V
java/text/BreakDictionary$1 run()Ljava/lang/Object;
class java/text/BreakDictionary java/lang/Object
java/text/BreakDictionary supportedVersion
java/text/BreakDictionary columnMap
java/text/BreakDictionary
 supplementaryCharColumnMap
java/text/BreakDictionary numCols
java/text/BreakDictionary numColGroups
java/text/BreakDictionary table
java/text/BreakDictionary rowIndex
java/text/BreakDictionary rowIndexFlags
java/text/BreakDictionary rowIndexFlagsIndex
java/text/BreakDictionary rowIndexShifts
java/text/BreakDictionary <init>(Ljava/lang/String;)V
java/text/BreakDictionary readDictionaryFile(Ljava/lang/String;)V
java/text/BreakDictionary getNextStateFromCharacter(II)S
java/text/BreakDictionary getNextState(II)S
java/text/BreakDictionary cellIsPopulated(II)Z
java/text/BreakDictionary internalAt(II)S
java/text/BreakDictionary <clinit>()V
class java/text/BreakIterator$1 java/lang/Object
java/text/BreakIterator$1 val$baseName
java/text/BreakIterator$1 val$locale
java/text/BreakIterator$1 <init>(Ljava/lang/String;Ljava/util/Locale;)V
java/text/BreakIterator$1 run()Ljava/lang/Object;
class java/text/BreakIterator$BreakIteratorCache java/lang/Object
java/text/BreakIterator$BreakIteratorCache
 iter
java/text/BreakIterator$BreakIteratorCache where
java/text/BreakIterator$BreakIteratorCache <init>(Ljava/util/Locale;Ljava/text/BreakIterator;)V
java/text/BreakIterator$BreakIteratorCache getLocale()Ljava/util/Locale;
java/text/BreakIterator$BreakIteratorCache createBreakInstance()Ljava/text/BreakIterator;
class java/text/CharacterIteratorFieldDelegate java/lang/Object
java/text/CharacterIteratorFieldDelegate attributedStrings
java/text/CharacterIteratorFieldDelegate size
java/text/CharacterIteratorFieldDelegate <init>()V
java/text/CharacterIteratorFieldDelegate
formatted(Ljava/text/Format$Field;Ljava/lang/Object;IILjava/lang/StringBuffer;)V
java/text/CharacterIteratorFieldDelegate
formatted(ILjava/text/Format$Field;Ljava/lang/Object;IILjava/lang/StringBuffer;)V
java/text/CharacterIteratorFieldDelegate getIterator(Ljava/lang/String;)Ljava/text/AttributedCharacterIterator;
class java/text/ChoiceFormat java/text/NumberFormat
java/text/ChoiceFormat serialVersionUID
java/text/ChoiceFormat
 choiceLimits
java/text/ChoiceFormat choiceFormats

java/text/ChoiceFormat SIGN
java/text/ChoiceFormat EXPONENT
java/text/ChoiceFormat POSITIVEINFINITY
java/text/ChoiceFormat applyPattern(Ljava/lang/String;)V
java/text/ChoiceFormat toPattern()Ljava/lang/String;
java/text/ChoiceFormat <init>(Ljava/lang/String;)V
java/text/ChoiceFormat <init>([D[Ljava/lang/String;)V
java/text/ChoiceFormat setChoices([D[Ljava/lang/String;)V
java/text/ChoiceFormat getLimits()[D
java/text/ChoiceFormat getFormats()[Ljava/lang/Object;
java/text/ChoiceFormat format(JLjava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/ChoiceFormat format(DLjava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/ChoiceFormat parse(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/lang/Number;
java/text/ChoiceFormat nextDouble(D)D
java/text/ChoiceFormat previousDouble(D)D
java/text/ChoiceFormat clone()Ljava/lang/Object;
java/text/ChoiceFormat hashCode()I
java/text/ChoiceFormat
 equals(Ljava/lang/Object;)Z
java/text/ChoiceFormat readObject(Ljava/io/ObjectInputStream;)V
java/text/ChoiceFormat nextDouble(DZ)D
java/text/ChoiceFormat doubleArraySize([D)[D
java/text/ChoiceFormat doubleArraySize([Ljava/lang/String;)[Ljava/lang/String;
class java/text/CollationElementIterator java/lang/Object
java/text/CollationElementIterator NULLORDER
java/text/CollationElementIterator UNMAPPEDCHARVALUE
java/text/CollationElementIterator text
java/text/CollationElementIterator buffer
java/text/CollationElementIterator expIndex
java/text/CollationElementIterator key
java/text/CollationElementIterator swapOrder
java/text/CollationElementIterator ordering
java/text/CollationElementIterator owner
java/text/CollationElementIterator <init>(Ljava/lang/String;Ljava/text/RuleBasedCollator;)V
java/text/CollationElementIterator <init>(Ljava/text/CharacterIterator;Ljava/text/RuleBasedCollator;)V
java/text/CollationElementIterator reset()V
java/text/CollationElementIterator next()I
java/text/CollationElementIterator
 previous()I
java/text/CollationElementIterator primaryOrder(I)I
java/text/CollationElementIterator secondaryOrder(I)S
java/text/CollationElementIterator tertiaryOrder(I)S
java/text/CollationElementIterator strengthOrder(I)I
java/text/CollationElementIterator setOffset(I)V
java/text/CollationElementIterator getOffset()I
java/text/CollationElementIterator getMaxExpansion(I)I
java/text/CollationElementIterator setText(Ljava/lang/String;)V
java/text/CollationElementIterator setText(Ljava/text/CharacterIterator;)V

java/text/CollationElementIterator isThaiPreVowel(I)Z
java/text/CollationElementIterator isThaiBaseConsonant(I)Z
java/text/CollationElementIterator isLaoPreVowel(I)Z
java/text/CollationElementIterator isLaoBaseConsonant(I)Z
java/text/CollationElementIterator makeReorderedBuffer(II[IZ)[I
java/text/CollationElementIterator isIgnorable(I)Z
java/text/CollationElementIterator nextContractChar(I)I
java/text/CollationElementIterator prevContractChar(I)I
class
java/text/CollationKey java/lang/Object
java/text/CollationKey source
java/text/CollationKey key
java/text/CollationKey compareTo(Ljava/text/CollationKey;)I
java/text/CollationKey equals(Ljava/lang/Object;)Z
java/text/CollationKey hashCode()I
java/text/CollationKey getSourceString()Ljava/lang/String;
java/text/CollationKey toByteArray()[B
java/text/CollationKey <init>(Ljava/lang/String;Ljava/lang/String;)V
java/text/CollationKey compareTo(Ljava/lang/Object;)I
class java/text/DictionaryBasedBreakIterator java/text/RuleBasedBreakIterator
java/text/DictionaryBasedBreakIterator dictionary
java/text/DictionaryBasedBreakIterator categoryFlags
java/text/DictionaryBasedBreakIterator dictionaryCharCount
java/text/DictionaryBasedBreakIterator cachedBreakPositions
java/text/DictionaryBasedBreakIterator positionInCache
java/text/DictionaryBasedBreakIterator <init>(Ljava/lang/String;Ljava/lang/String;)V
java/text/DictionaryBasedBreakIterator prepareCategoryFlags([B)V
java/text/DictionaryBasedBreakIterator
setText(Ljava/text/CharacterIterator;)V
java/text/DictionaryBasedBreakIterator first()I
java/text/DictionaryBasedBreakIterator last()I
java/text/DictionaryBasedBreakIterator previous()I
java/text/DictionaryBasedBreakIterator preceding(I)I
java/text/DictionaryBasedBreakIterator following(I)I
java/text/DictionaryBasedBreakIterator handleNext()I
java/text/DictionaryBasedBreakIterator lookupCategory(I)I
java/text/DictionaryBasedBreakIterator divideUpDictionaryRange(II)V
class java/text/FieldPosition$1 java/lang/Object
class java/text/FieldPosition$Delegate java/lang/Object
java/text/FieldPosition$Delegate encounteredField
java/text/FieldPosition$Delegate this$0
java/text/FieldPosition$Delegate <init>(Ljava/text/FieldPosition;)V
java/text/FieldPosition$Delegate formatted(Ljava/text/Format$Field;Ljava/lang/Object;IILjava/lang/StringBuffer;)V
java/text/FieldPosition$Delegate
formatted(ILjava/text/Format$Field;Ljava/lang/Object;IILjava/lang/StringBuffer;)V
java/text/FieldPosition$Delegate
<init>(Ljava/text/FieldPosition;Ljava/text/FieldPosition$1;)V
class java/text/ParsePosition java/lang/Object

java/text/ParsePosition index
java/text/ParsePosition errorIndex
java/text/ParsePosition getIndex()I
java/text/ParsePosition setIndex(I)V
java/text/ParsePosition <init>(I)V
java/text/ParsePosition setErrorIndex(I)V
java/text/ParsePosition getErrorIndex()I
java/text/ParsePosition equals(Ljava/lang/Object;)Z
java/text/ParsePosition hashCode()I
java/text/ParsePosition toString()Ljava/lang/String;
class java/text/RBCollationTables$1 java/lang/Object
class java/text/RuleBasedBreakIterator$1 java/lang/Object
java/text/RuleBasedBreakIterator$1 val$datafile
java/text/RuleBasedBreakIterator$1 this$0
java/text/RuleBasedBreakIterator$1 <init>(Ljava/text/RuleBasedBreakIterator;Ljava/lang/String;)V
java/text/RuleBasedBreakIterator$1 run()Ljava/lang/Object;
class java/text/RuleBasedBreakIterator$SafeCharIterator java/lang/Object
java/text/RuleBasedBreakIterator$SafeCharIterator base
java/text/RuleBasedBreakIterator$SafeCharIterator
 rangeStart
java/text/RuleBasedBreakIterator$SafeCharIterator rangeLimit
java/text/RuleBasedBreakIterator$SafeCharIterator currentIndex
java/text/RuleBasedBreakIterator$SafeCharIterator <init>(Ljava/text/CharacterIterator;)V
java/text/RuleBasedBreakIterator$SafeCharIterator first()C
java/text/RuleBasedBreakIterator$SafeCharIterator last()C
java/text/RuleBasedBreakIterator$SafeCharIterator current()C
java/text/RuleBasedBreakIterator$SafeCharIterator next()C
java/text/RuleBasedBreakIterator$SafeCharIterator previous()C
java/text/RuleBasedBreakIterator$SafeCharIterator setIndex(I)C
java/text/RuleBasedBreakIterator$SafeCharIterator getBeginIndex()I
java/text/RuleBasedBreakIterator$SafeCharIterator getEndIndex()I
java/text/RuleBasedBreakIterator$SafeCharIterator getIndex()I
java/text/RuleBasedBreakIterator$SafeCharIterator clone()Ljava/lang/Object;
class java/text/RuleBasedBreakIterator java/text/BreakIterator
java/text/RuleBasedBreakIterator
 IGNORE
java/text/RuleBasedBreakIterator START_STATE
java/text/RuleBasedBreakIterator STOP_STATE
java/text/RuleBasedBreakIterator LABEL
java/text/RuleBasedBreakIterator LABEL_LENGTH
java/text/RuleBasedBreakIterator supportedVersion
java/text/RuleBasedBreakIterator HEADER_LENGTH
java/text/RuleBasedBreakIterator BMP_INDICES_LENGTH
java/text/RuleBasedBreakIterator charCategoryTable
java/text/RuleBasedBreakIterator supplementaryCharCategoryTable
java/text/RuleBasedBreakIterator stateTable
java/text/RuleBasedBreakIterator backwardsStateTable
java/text/RuleBasedBreakIterator endStates

java/text/RuleBasedBreakIterator lookaheadStates
java/text/RuleBasedBreakIterator additionalData
java/text/RuleBasedBreakIterator numCategories
java/text/RuleBasedBreakIterator text
java/text/RuleBasedBreakIterator checksum
java/text/RuleBasedBreakIterator <init>(Ljava/lang/String;)V
java/text/RuleBasedBreakIterator readTables(Ljava/lang/String;)V
java/text/RuleBasedBreakIterator readFile(Ljava/lang/String;)[B
java/text/RuleBasedBreakIterator
getAdditionalData()[B
java/text/RuleBasedBreakIterator setAdditionalData([B)V
java/text/RuleBasedBreakIterator clone()Ljava/lang/Object;
java/text/RuleBasedBreakIterator equals(Ljava/lang/Object;)Z
java/text/RuleBasedBreakIterator toString()Ljava/lang/String;
java/text/RuleBasedBreakIterator hashCode()I
java/text/RuleBasedBreakIterator first()I
java/text/RuleBasedBreakIterator last()I
java/text/RuleBasedBreakIterator next(I)I
java/text/RuleBasedBreakIterator next()I
java/text/RuleBasedBreakIterator previous()I
java/text/RuleBasedBreakIterator getPrevious()I
java/text/RuleBasedBreakIterator getCurrent()I
java/text/RuleBasedBreakIterator getCurrentCodePointCount()I
java/text/RuleBasedBreakIterator getNext()I
java/text/RuleBasedBreakIterator getNextIndex()I
java/text/RuleBasedBreakIterator checkOffset(ILjava/text/CharacterIterator;)V
java/text/RuleBasedBreakIterator following(I)I
java/text/RuleBasedBreakIterator preceding(I)I
java/text/RuleBasedBreakIterator
isBoundary(I)Z
java/text/RuleBasedBreakIterator current()I
java/text/RuleBasedBreakIterator getText()Ljava/text/CharacterIterator;
java/text/RuleBasedBreakIterator setText(Ljava/text/CharacterIterator;)V
java/text/RuleBasedBreakIterator handleNext()I
java/text/RuleBasedBreakIterator handlePrevious()I
java/text/RuleBasedBreakIterator lookupCategory(I)I
java/text/RuleBasedBreakIterator lookupState(II)I
java/text/RuleBasedBreakIterator lookupBackwardState(II)I
java/text/RuleBasedBreakIterator <clinit>()V
class java/text/StringCharacterIterator java/lang/Object
java/text/StringCharacterIterator text
java/text/StringCharacterIterator begin
java/text/StringCharacterIterator end
java/text/StringCharacterIterator pos
java/text/StringCharacterIterator <init>(Ljava/lang/String;)V
java/text/StringCharacterIterator <init>(Ljava/lang/String;I)V
java/text/StringCharacterIterator <init>(Ljava/lang/String;III)V
java/text/StringCharacterIterator setText(Ljava/lang/String;)V

java/text/StringCharacterIterator
 first()C
java/text/StringCharacterIterator last()C
java/text/StringCharacterIterator setIndex(I)C
java/text/StringCharacterIterator current()C
java/text/StringCharacterIterator next()C
java/text/StringCharacterIterator previous()C
java/text/StringCharacterIterator getBeginIndex()I
java/text/StringCharacterIterator getEndIndex()I
java/text/StringCharacterIterator getIndex()I
java/text/StringCharacterIterator equals(Ljava/lang/Object;)Z
java/text/StringCharacterIterator hashCode()I
java/text/StringCharacterIterator clone()Ljava/lang/Object;
class java/util/AbstractList$1 java/lang/Object
class java/util/AbstractMap$1$1 java/lang/Object
java/util/AbstractMap$1$1 i
java/util/AbstractMap$1$1 this$1
java/util/AbstractMap$1$1 <init>(Ljava/util/AbstractMap$1;)V
java/util/AbstractMap$1$1 hasNext()Z
java/util/AbstractMap$1$1 next()Ljava/lang/Object;
java/util/AbstractMap$1$1 remove()V
class java/util/AbstractMap$1 java/util/AbstractSet
java/util/AbstractMap$1 this$0
java/util/AbstractMap$1
 <init>(Ljava/util/AbstractMap;)V
java/util/AbstractMap$1 iterator()Ljava/util/Iterator;
java/util/AbstractMap$1 size()I
java/util/AbstractMap$1 contains(Ljava/lang/Object;)Z
class java/util/AbstractMap$2$1 java/lang/Object
java/util/AbstractMap$2$1 i
java/util/AbstractMap$2$1 this$1
java/util/AbstractMap$2$1 <init>(Ljava/util/AbstractMap$2;)V
java/util/AbstractMap$2$1 hasNext()Z
java/util/AbstractMap$2$1 next()Ljava/lang/Object;
java/util/AbstractMap$2$1 remove()V
class java/util/AbstractMap$2 java/util/AbstractCollection
java/util/AbstractMap$2 this$0
java/util/AbstractMap$2 <init>(Ljava/util/AbstractMap;)V
java/util/AbstractMap$2 iterator()Ljava/util/Iterator;
java/util/AbstractMap$2 size()I
java/util/AbstractMap$2 contains(Ljava/lang/Object;)Z
class java/util/AbstractMap$SimpleEntry java/lang/Object
java/util/AbstractMap$SimpleEntry key
java/util/AbstractMap$SimpleEntry value
java/util/AbstractMap$SimpleEntry <init>(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/AbstractMap$SimpleEntry
 <init>(Ljava/util/Map$Entry;)V
java/util/AbstractMap$SimpleEntry getKey()Ljava/lang/Object;

java/util/AbstractMap$SimpleEntry getValue()Ljava/lang/Object;
java/util/AbstractMap$SimpleEntry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/AbstractMap$SimpleEntry equals(Ljava/lang/Object;)Z
java/util/AbstractMap$SimpleEntry hashCode()I
java/util/AbstractMap$SimpleEntry toString()Ljava/lang/String;
java/util/AbstractMap$SimpleEntry eq(Ljava/lang/Object;Ljava/lang/Object;)Z
class java/util/AbstractQueue java/util/AbstractCollection
java/util/AbstractQueue <init>()V
java/util/AbstractQueue add(Ljava/lang/Object;)Z
java/util/AbstractQueue remove()Ljava/lang/Object;
java/util/AbstractQueue element()Ljava/lang/Object;
java/util/AbstractQueue clear()V
java/util/AbstractQueue addAll(Ljava/util/Collection;)Z
class java/util/Calendar$1 java/lang/Object
java/util/Calendar$1 val$input
java/util/Calendar$1 this$0
java/util/Calendar$1 <init>(Ljava/util/Calendar;Ljava/io/ObjectInputStream;)V
java/util/Calendar$1
 run()Ljava/lang/Object;
class java/util/Collections$CheckedCollection$1 java/lang/Object
java/util/Collections$CheckedCollection$1 it
java/util/Collections$CheckedCollection$1 this$0
java/util/Collections$CheckedCollection$1 <init>(Ljava/util/Collections$CheckedCollection;)V
java/util/Collections$CheckedCollection$1 hasNext()Z
java/util/Collections$CheckedCollection$1 next()Ljava/lang/Object;
java/util/Collections$CheckedCollection$1 remove()V
class java/util/Collections$CheckedCollection java/lang/Object
java/util/Collections$CheckedCollection serialVersionUID
java/util/Collections$CheckedCollection c
java/util/Collections$CheckedCollection type
java/util/Collections$CheckedCollection zeroLengthElementArray
java/util/Collections$CheckedCollection typeCheck(Ljava/lang/Object;)V
java/util/Collections$CheckedCollection <init>(Ljava/util/Collection;Ljava/lang/Class;)V
java/util/Collections$CheckedCollection size()I
java/util/Collections$CheckedCollection isEmpty()Z
java/util/Collections$CheckedCollection
 contains(Ljava/lang/Object;)Z
java/util/Collections$CheckedCollection toArray()[Ljava/lang/Object;
java/util/Collections$CheckedCollection toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/Collections$CheckedCollection toString()Ljava/lang/String;
java/util/Collections$CheckedCollection remove(Ljava/lang/Object;)Z
java/util/Collections$CheckedCollection containsAll(Ljava/util/Collection;)Z
java/util/Collections$CheckedCollection removeAll(Ljava/util/Collection;)Z
java/util/Collections$CheckedCollection retainAll(Ljava/util/Collection;)Z
java/util/Collections$CheckedCollection clear()V
java/util/Collections$CheckedCollection iterator()Ljava/util/Iterator;
java/util/Collections$CheckedCollection add(Ljava/lang/Object;)Z
java/util/Collections$CheckedCollection addAll(Ljava/util/Collection;)Z

java/util/Collections$CheckedCollection zeroLengthElementArray()[Ljava/lang/Object;
class java/util/Collections$CheckedList$1 java/lang/Object
java/util/Collections$CheckedList$1
 i
java/util/Collections$CheckedList$1 val$index
java/util/Collections$CheckedList$1 this$0
java/util/Collections$CheckedList$1 <init>(Ljava/util/Collections$CheckedList;I)V
java/util/Collections$CheckedList$1 hasNext()Z
java/util/Collections$CheckedList$1 next()Ljava/lang/Object;
java/util/Collections$CheckedList$1 hasPrevious()Z
java/util/Collections$CheckedList$1 previous()Ljava/lang/Object;
java/util/Collections$CheckedList$1 nextIndex()I
java/util/Collections$CheckedList$1 previousIndex()I
java/util/Collections$CheckedList$1 remove()V
java/util/Collections$CheckedList$1 set(Ljava/lang/Object;)V
java/util/Collections$CheckedList$1 add(Ljava/lang/Object;)V
class java/util/Collections$CheckedList java/util/Collections$CheckedCollection
java/util/Collections$CheckedList serialVersionUID
java/util/Collections$CheckedList list
java/util/Collections$CheckedList <init>(Ljava/util/List;Ljava/lang/Class;)V
java/util/Collections$CheckedList equals(Ljava/lang/Object;)Z
java/util/Collections$CheckedList
 hashCode()I
java/util/Collections$CheckedList get(I)Ljava/lang/Object;
java/util/Collections$CheckedList remove(I)Ljava/lang/Object;
java/util/Collections$CheckedList indexOf(Ljava/lang/Object;)I
java/util/Collections$CheckedList lastIndexOf(Ljava/lang/Object;)I
java/util/Collections$CheckedList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/Collections$CheckedList add(ILjava/lang/Object;)V
java/util/Collections$CheckedList addAll(ILjava/util/Collection;)Z
java/util/Collections$CheckedList listIterator()Ljava/util/ListIterator;
java/util/Collections$CheckedList listIterator(I)Ljava/util/ListIterator;
java/util/Collections$CheckedList subList(II)Ljava/util/List;
class java/util/Collections$CheckedMap$CheckedEntrySet$1 java/lang/Object
java/util/Collections$CheckedMap$CheckedEntrySet$1 i
java/util/Collections$CheckedMap$CheckedEntrySet$1 this$0
java/util/Collections$CheckedMap$CheckedEntrySet$1
<init>(Ljava/util/Collections$CheckedMap$CheckedEntrySet;)V
java/util/Collections$CheckedMap$CheckedEntrySet$1
 hasNext()Z
java/util/Collections$CheckedMap$CheckedEntrySet$1 remove()V
java/util/Collections$CheckedMap$CheckedEntrySet$1 next()Ljava/util/Map$Entry;
java/util/Collections$CheckedMap$CheckedEntrySet$1 next()Ljava/lang/Object;
class java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry java/lang/Object
java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry e
java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry valueType
java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry
<init>(Ljava/util/Map$Entry;Ljava/lang/Class;)V

java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry getKey()Ljava/lang/Object;
java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry getValue()Ljava/lang/Object;
java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry hashCode()I
java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry toString()Ljava/lang/String;
java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry
setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$CheckedMap$CheckedEntrySet$CheckedEntry equals(Ljava/lang/Object;)Z
class java/util/Collections$CheckedMap$CheckedEntrySet java/lang/Object
java/util/Collections$CheckedMap$CheckedEntrySet s
java/util/Collections$CheckedMap$CheckedEntrySet valueType
java/util/Collections$CheckedMap$CheckedEntrySet <init>(Ljava/util/Set;Ljava/lang/Class;)V
java/util/Collections$CheckedMap$CheckedEntrySet size()I
java/util/Collections$CheckedMap$CheckedEntrySet isEmpty()Z
java/util/Collections$CheckedMap$CheckedEntrySet toString()Ljava/lang/String;
java/util/Collections$CheckedMap$CheckedEntrySet hashCode()I
java/util/Collections$CheckedMap$CheckedEntrySet remove(Ljava/lang/Object;)Z
java/util/Collections$CheckedMap$CheckedEntrySet removeAll(Ljava/util/Collection;)Z
java/util/Collections$CheckedMap$CheckedEntrySet retainAll(Ljava/util/Collection;)Z
java/util/Collections$CheckedMap$CheckedEntrySet clear()V
java/util/Collections$CheckedMap$CheckedEntrySet
add(Ljava/util/Map$Entry;)Z
java/util/Collections$CheckedMap$CheckedEntrySet addAll(Ljava/util/Collection;)Z
java/util/Collections$CheckedMap$CheckedEntrySet iterator()Ljava/util/Iterator;
java/util/Collections$CheckedMap$CheckedEntrySet toArray()[Ljava/lang/Object;
java/util/Collections$CheckedMap$CheckedEntrySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/Collections$CheckedMap$CheckedEntrySet contains(Ljava/lang/Object;)Z
java/util/Collections$CheckedMap$CheckedEntrySet containsAll(Ljava/util/Collection;)Z
java/util/Collections$CheckedMap$CheckedEntrySet equals(Ljava/lang/Object;)Z
java/util/Collections$CheckedMap$CheckedEntrySet add(Ljava/lang/Object;)Z
class java/util/Collections$CheckedMap java/lang/Object
java/util/Collections$CheckedMap serialVersionUID
java/util/Collections$CheckedMap m
java/util/Collections$CheckedMap keyType
java/util/Collections$CheckedMap valueType
java/util/Collections$CheckedMap zeroLengthKeyArray
java/util/Collections$CheckedMap
zeroLengthValueArray
java/util/Collections$CheckedMap entrySet
java/util/Collections$CheckedMap typeCheck(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/Collections$CheckedMap <init>(Ljava/util/Map;Ljava/lang/Class;Ljava/lang/Class;)V
java/util/Collections$CheckedMap size()I
java/util/Collections$CheckedMap isEmpty()Z
java/util/Collections$CheckedMap containsKey(Ljava/lang/Object;)Z
java/util/Collections$CheckedMap containsValue(Ljava/lang/Object;)Z
java/util/Collections$CheckedMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$CheckedMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$CheckedMap clear()V
java/util/Collections$CheckedMap keySet()Ljava/util/Set;

java/util/Collections$CheckedMap values()Ljava/util/Collection;
java/util/Collections$CheckedMap equals(Ljava/lang/Object;)Z
java/util/Collections$CheckedMap hashCode()I
java/util/Collections$CheckedMap toString()Ljava/lang/String;
java/util/Collections$CheckedMap
put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$CheckedMap putAll(Ljava/util/Map;)V
java/util/Collections$CheckedMap zeroLengthKeyArray()[Ljava/lang/Object;
java/util/Collections$CheckedMap zeroLengthValueArray()[Ljava/lang/Object;
java/util/Collections$CheckedMap entrySet()Ljava/util/Set;
class java/util/Collections$CheckedRandomAccessList java/util/Collections$CheckedList
java/util/Collections$CheckedRandomAccessList serialVersionUID
java/util/Collections$CheckedRandomAccessList <init>(Ljava/util/List;Ljava/lang/Class;)V
java/util/Collections$CheckedRandomAccessList subList(II)Ljava/util/List;
class java/util/Collections$CheckedSet java/util/Collections$CheckedCollection
java/util/Collections$CheckedSet serialVersionUID
java/util/Collections$CheckedSet <init>(Ljava/util/Set;Ljava/lang/Class;)V
java/util/Collections$CheckedSet equals(Ljava/lang/Object;)Z
java/util/Collections$CheckedSet hashCode()I
class java/util/Collections$CheckedSortedMap
java/util/Collections$CheckedMap
java/util/Collections$CheckedSortedMap serialVersionUID
java/util/Collections$CheckedSortedMap sm
java/util/Collections$CheckedSortedMap <init>(Ljava/util/SortedMap;Ljava/lang/Class;Ljava/lang/Class;)V
java/util/Collections$CheckedSortedMap comparator()Ljava/util/Comparator;
java/util/Collections$CheckedSortedMap firstKey()Ljava/lang/Object;
java/util/Collections$CheckedSortedMap lastKey()Ljava/lang/Object;
java/util/Collections$CheckedSortedMap subMap(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/Collections$CheckedSortedMap headMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/Collections$CheckedSortedMap tailMap(Ljava/lang/Object;)Ljava/util/SortedMap;
class java/util/Collections$CheckedSortedSet java/util/Collections$CheckedSet
java/util/Collections$CheckedSortedSet serialVersionUID
java/util/Collections$CheckedSortedSet ss
java/util/Collections$CheckedSortedSet <init>(Ljava/util/SortedSet;Ljava/lang/Class;)V
java/util/Collections$CheckedSortedSet
comparator()Ljava/util/Comparator;
java/util/Collections$CheckedSortedSet first()Ljava/lang/Object;
java/util/Collections$CheckedSortedSet last()Ljava/lang/Object;
java/util/Collections$CheckedSortedSet subSet(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/Collections$CheckedSortedSet headSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/Collections$CheckedSortedSet tailSet(Ljava/lang/Object;)Ljava/util/SortedSet;
class java/util/Collections$CopiesList java/util/AbstractList
java/util/Collections$CopiesList serialVersionUID
java/util/Collections$CopiesList n
java/util/Collections$CopiesList element
java/util/Collections$CopiesList <init>(ILjava/lang/Object;)V
java/util/Collections$CopiesList size()I
java/util/Collections$CopiesList contains(Ljava/lang/Object;)Z

java/util/Collections$CopiesList get(I)Ljava/lang/Object;
class java/util/Collections$ReverseComparator2 java/lang/Object
java/util/Collections$ReverseComparator2 serialVersionUID
java/util/Collections$ReverseComparator2
 cmp
java/util/Collections$ReverseComparator2 $assertionsDisabled
java/util/Collections$ReverseComparator2 <init>(Ljava/util/Comparator;)V
java/util/Collections$ReverseComparator2 compare(Ljava/lang/Object;Ljava/lang/Object;)I
java/util/Collections$ReverseComparator2 <clinit>()V
class java/util/Collections$SelfComparable java/lang/Object
class java/util/Collections$SingletonList java/util/AbstractList
java/util/Collections$SingletonList serialVersionUID
java/util/Collections$SingletonList element
java/util/Collections$SingletonList <init>(Ljava/lang/Object;)V
java/util/Collections$SingletonList size()I
java/util/Collections$SingletonList contains(Ljava/lang/Object;)Z
java/util/Collections$SingletonList get(I)Ljava/lang/Object;
class java/util/Collections$SingletonMap$ImmutableEntry java/lang/Object
java/util/Collections$SingletonMap$ImmutableEntry k
java/util/Collections$SingletonMap$ImmutableEntry v
java/util/Collections$SingletonMap$ImmutableEntry
 <init>(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/Collections$SingletonMap$ImmutableEntry getKey()Ljava/lang/Object;
java/util/Collections$SingletonMap$ImmutableEntry getValue()Ljava/lang/Object;
java/util/Collections$SingletonMap$ImmutableEntry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$SingletonMap$ImmutableEntry equals(Ljava/lang/Object;)Z
java/util/Collections$SingletonMap$ImmutableEntry hashCode()I
java/util/Collections$SingletonMap$ImmutableEntry toString()Ljava/lang/String;
class java/util/Collections$SingletonMap java/util/AbstractMap
java/util/Collections$SingletonMap serialVersionUID
java/util/Collections$SingletonMap k
java/util/Collections$SingletonMap v
java/util/Collections$SingletonMap keySet
java/util/Collections$SingletonMap entrySet
java/util/Collections$SingletonMap values
java/util/Collections$SingletonMap <init>(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/Collections$SingletonMap size()I
java/util/Collections$SingletonMap
 isEmpty()Z
java/util/Collections$SingletonMap containsKey(Ljava/lang/Object;)Z
java/util/Collections$SingletonMap containsValue(Ljava/lang/Object;)Z
java/util/Collections$SingletonMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$SingletonMap keySet()Ljava/util/Set;
java/util/Collections$SingletonMap entrySet()Ljava/util/Set;
java/util/Collections$SingletonMap values()Ljava/util/Collection;
class java/util/Collections$SynchronizedSortedMap java/util/Collections$SynchronizedMap
java/util/Collections$SynchronizedSortedMap serialVersionUID
java/util/Collections$SynchronizedSortedMap sm

java/util/Collections$SynchronizedSortedMap <init>(Ljava/util/SortedMap;)V
java/util/Collections$SynchronizedSortedMap <init>(Ljava/util/SortedMap;Ljava/lang/Object;)V
java/util/Collections$SynchronizedSortedMap comparator()Ljava/util/Comparator;
java/util/Collections$SynchronizedSortedMap subMap(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/Collections$SynchronizedSortedMap
headMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/Collections$SynchronizedSortedMap tailMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/Collections$SynchronizedSortedMap firstKey()Ljava/lang/Object;
java/util/Collections$SynchronizedSortedMap lastKey()Ljava/lang/Object;
class java/util/Collections$SynchronizedSortedSet java/util/Collections$SynchronizedSet
java/util/Collections$SynchronizedSortedSet serialVersionUID
java/util/Collections$SynchronizedSortedSet ss
java/util/Collections$SynchronizedSortedSet <init>(Ljava/util/SortedSet;)V
java/util/Collections$SynchronizedSortedSet <init>(Ljava/util/SortedSet;Ljava/lang/Object;)V
java/util/Collections$SynchronizedSortedSet comparator()Ljava/util/Comparator;
java/util/Collections$SynchronizedSortedSet subSet(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/Collections$SynchronizedSortedSet headSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/Collections$SynchronizedSortedSet tailSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/Collections$SynchronizedSortedSet
first()Ljava/lang/Object;
java/util/Collections$SynchronizedSortedSet last()Ljava/lang/Object;
class java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$1 java/lang/Object
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$1 i
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$1 this$0
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$1
<init>(Ljava/util/Collections$UnmodifiableMap$UnmodifiableEntrySet;)V
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$1 hasNext()Z
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$1 next()Ljava/util/Map$Entry;
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$1 remove()V
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$1 next()Ljava/lang/Object;
class java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry java/lang/Object
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry
e
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry
<init>(Ljava/util/Map$Entry;)V
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry getKey()Ljava/lang/Object;
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry getValue()Ljava/lang/Object;
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry
setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry hashCode()I
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry equals(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet$UnmodifiableEntry toString()Ljava/lang/String;
class java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet java/util/Collections$UnmodifiableSet
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet serialVersionUID
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet
<init>(Ljava/util/Set;)V
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet iterator()Ljava/util/Iterator;
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet toArray()[Ljava/lang/Object;

java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet contains(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet containsAll(Ljava/util/Collection;)Z
java/util/Collections$UnmodifiableMap$UnmodifiableEntrySet equals(Ljava/lang/Object;)Z
class java/util/Collections$UnmodifiableSortedMap java/util/Collections$UnmodifiableMap
java/util/Collections$UnmodifiableSortedMap serialVersionUID
java/util/Collections$UnmodifiableSortedMap sm
java/util/Collections$UnmodifiableSortedMap <init>(Ljava/util/SortedMap;)V
java/util/Collections$UnmodifiableSortedMap comparator()Ljava/util/Comparator;
java/util/Collections$UnmodifiableSortedMap subMap(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/Collections$UnmodifiableSortedMap
headMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/Collections$UnmodifiableSortedMap tailMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/Collections$UnmodifiableSortedMap firstKey()Ljava/lang/Object;
java/util/Collections$UnmodifiableSortedMap lastKey()Ljava/lang/Object;
class java/util/Collections$UnmodifiableSortedSet java/util/Collections$UnmodifiableSet
java/util/Collections$UnmodifiableSortedSet serialVersionUID
java/util/Collections$UnmodifiableSortedSet ss
java/util/Collections$UnmodifiableSortedSet <init>(Ljava/util/SortedSet;)V
java/util/Collections$UnmodifiableSortedSet comparator()Ljava/util/Comparator;
java/util/Collections$UnmodifiableSortedSet subSet(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/Collections$UnmodifiableSortedSet headSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/Collections$UnmodifiableSortedSet tailSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/Collections$UnmodifiableSortedSet
first()Ljava/lang/Object;
java/util/Collections$UnmodifiableSortedSet last()Ljava/lang/Object;
class java/util/DuplicateFormatFlagsException java/util/IllegalFormatException
java/util/DuplicateFormatFlagsException serialVersionUID
java/util/DuplicateFormatFlagsException flags
java/util/DuplicateFormatFlagsException <init>(Ljava/lang/String;)V
java/util/DuplicateFormatFlagsException getFlags()Ljava/lang/String;
java/util/DuplicateFormatFlagsException getMessage()Ljava/lang/String;
class java/util/EnumMap$1 java/lang/Object
class java/util/EnumMap$EntryIterator java/util/EnumMap$EnumMapIterator
java/util/EnumMap$EntryIterator this$0
java/util/EnumMap$EntryIterator <init>(Ljava/util/EnumMap;)V
java/util/EnumMap$EntryIterator next()Ljava/util/Map$Entry;
java/util/EnumMap$EntryIterator getKey()Ljava/lang/Enum;
java/util/EnumMap$EntryIterator getValue()Ljava/lang/Object;
java/util/EnumMap$EntryIterator setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap$EntryIterator
equals(Ljava/lang/Object;)Z
java/util/EnumMap$EntryIterator hashCode()I
java/util/EnumMap$EntryIterator toString()Ljava/lang/String;
java/util/EnumMap$EntryIterator checkLastReturnedIndexForEntryUse()V
java/util/EnumMap$EntryIterator next()Ljava/lang/Object;
java/util/EnumMap$EntryIterator getKey()Ljava/lang/Object;
java/util/EnumMap$EntryIterator <init>(Ljava/util/EnumMap;Ljava/util/EnumMap$1;)V

class java/util/EnumMap$EntrySet java/util/AbstractSet
java/util/EnumMap$EntrySet this$0
java/util/EnumMap$EntrySet <init>(Ljava/util/EnumMap;)V
java/util/EnumMap$EntrySet iterator()Ljava/util/Iterator;
java/util/EnumMap$EntrySet contains(Ljava/lang/Object;)Z
java/util/EnumMap$EntrySet remove(Ljava/lang/Object;)Z
java/util/EnumMap$EntrySet size()I
java/util/EnumMap$EntrySet clear()V
java/util/EnumMap$EntrySet toArray()[Ljava/lang/Object;
java/util/EnumMap$EntrySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/EnumMap$EntrySet
fillEntryArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/EnumMap$EntrySet <init>(Ljava/util/EnumMap;Ljava/util/EnumMap$1;)V
class java/util/EnumMap$EnumMapIterator java/lang/Object
java/util/EnumMap$EnumMapIterator index
java/util/EnumMap$EnumMapIterator lastReturnedIndex
java/util/EnumMap$EnumMapIterator this$0
java/util/EnumMap$EnumMapIterator <init>(Ljava/util/EnumMap;)V
java/util/EnumMap$EnumMapIterator hasNext()Z
java/util/EnumMap$EnumMapIterator remove()V
java/util/EnumMap$EnumMapIterator checkLastReturnedIndex()V
java/util/EnumMap$EnumMapIterator <init>(Ljava/util/EnumMap;Ljava/util/EnumMap$1;)V
class java/util/EnumMap$KeyIterator java/util/EnumMap$EnumMapIterator
java/util/EnumMap$KeyIterator this$0
java/util/EnumMap$KeyIterator <init>(Ljava/util/EnumMap;)V
java/util/EnumMap$KeyIterator next()Ljava/lang/Enum;
java/util/EnumMap$KeyIterator next()Ljava/lang/Object;
java/util/EnumMap$KeyIterator <init>(Ljava/util/EnumMap;Ljava/util/EnumMap$1;)V
class java/util/EnumMap$KeySet
java/util/AbstractSet
java/util/EnumMap$KeySet this$0
java/util/EnumMap$KeySet <init>(Ljava/util/EnumMap;)V
java/util/EnumMap$KeySet iterator()Ljava/util/Iterator;
java/util/EnumMap$KeySet size()I
java/util/EnumMap$KeySet contains(Ljava/lang/Object;)Z
java/util/EnumMap$KeySet remove(Ljava/lang/Object;)Z
java/util/EnumMap$KeySet clear()V
java/util/EnumMap$KeySet <init>(Ljava/util/EnumMap;Ljava/util/EnumMap$1;)V
class java/util/EnumMap$ValueIterator java/util/EnumMap$EnumMapIterator
java/util/EnumMap$ValueIterator this$0
java/util/EnumMap$ValueIterator <init>(Ljava/util/EnumMap;)V
java/util/EnumMap$ValueIterator next()Ljava/lang/Object;
java/util/EnumMap$ValueIterator <init>(Ljava/util/EnumMap;Ljava/util/EnumMap$1;)V
class java/util/EnumMap$Values java/util/AbstractCollection
java/util/EnumMap$Values this$0
java/util/EnumMap$Values <init>(Ljava/util/EnumMap;)V
java/util/EnumMap$Values iterator()Ljava/util/Iterator;
java/util/EnumMap$Values size()I

java/util/EnumMap$Values contains(Ljava/lang/Object;)Z
java/util/EnumMap$Values
remove(Ljava/lang/Object;)Z
java/util/EnumMap$Values clear()V
java/util/EnumMap$Values <init>(Ljava/util/EnumMap;Ljava/util/EnumMap$1;)V
class java/util/EnumMap java/util/AbstractMap
java/util/EnumMap keyType
java/util/EnumMap keyUniverse
java/util/EnumMap vals
java/util/EnumMap size
java/util/EnumMap NULL
java/util/EnumMap ZERO_LENGTH_ENUM_ARRAY
java/util/EnumMap entrySet
java/util/EnumMap serialVersionUID
java/util/EnumMap maskNull(Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap unmaskNull(Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap <init>(Ljava/lang/Class;)V
java/util/EnumMap <init>(Ljava/util/EnumMap;)V
java/util/EnumMap <init>(Ljava/util/Map;)V
java/util/EnumMap size()I
java/util/EnumMap containsValue(Ljava/lang/Object;)Z
java/util/EnumMap containsKey(Ljava/lang/Object;)Z
java/util/EnumMap containsMapping(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/EnumMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap
put(Ljava/lang/Enum;Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap removeMapping(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/EnumMap isValidKey(Ljava/lang/Object;)Z
java/util/EnumMap putAll(Ljava/util/Map;)V
java/util/EnumMap clear()V
java/util/EnumMap keySet()Ljava/util/Set;
java/util/EnumMap values()Ljava/util/Collection;
java/util/EnumMap entrySet()Ljava/util/Set;
java/util/EnumMap equals(Ljava/lang/Object;)Z
java/util/EnumMap clone()Ljava/util/EnumMap;
java/util/EnumMap typeCheck(Ljava/lang/Enum;)V
java/util/EnumMap writeObject(Ljava/io/ObjectOutputStream;)V
java/util/EnumMap readObject(Ljava/io/ObjectInputStream;)V
java/util/EnumMap clone()Ljava/lang/Object;
java/util/EnumMap put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap access$200(Ljava/util/EnumMap;)I
java/util/EnumMap access$500(Ljava/util/EnumMap;Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap access$600(Ljava/util/EnumMap;)[Ljava/lang/Object;
java/util/EnumMap
access$210(Ljava/util/EnumMap;)I
java/util/EnumMap access$900(Ljava/util/EnumMap;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/EnumMap access$1000(Ljava/util/EnumMap;Ljava/lang/Object;Ljava/lang/Object;)Z

java/util/EnumMap access$1100(Ljava/util/EnumMap;)[Ljava/lang/Enum;
java/util/EnumMap access$1200(Ljava/util/EnumMap;Ljava/lang/Object;)Ljava/lang/Object;
java/util/EnumMap access$1400()Ljava/lang/Object;
java/util/EnumMap <clinit>()V
class java/util/EnumSet$SerializationProxy java/lang/Object
java/util/EnumSet$SerializationProxy elementType
java/util/EnumSet$SerializationProxy elements
java/util/EnumSet$SerializationProxy serialVersionUID
java/util/EnumSet$SerializationProxy <init>(Ljava/util/EnumSet;)V
java/util/EnumSet$SerializationProxy readResolve()Ljava/lang/Object;
class java/util/EnumSet java/util/AbstractSet
java/util/EnumSet elementType
java/util/EnumSet universe
java/util/EnumSet ZERO_LENGTH_ENUM_ARRAY
java/util/EnumSet
 <init>(Ljava/lang/Class;[Ljava/lang/Enum;)V
java/util/EnumSet noneOf(Ljava/lang/Class;)Ljava/util/EnumSet;
java/util/EnumSet allOf(Ljava/lang/Class;)Ljava/util/EnumSet;
java/util/EnumSet addAll()V
java/util/EnumSet copyOf(Ljava/util/EnumSet;)Ljava/util/EnumSet;
java/util/EnumSet copyOf(Ljava/util/Collection;)Ljava/util/EnumSet;
java/util/EnumSet complementOf(Ljava/util/EnumSet;)Ljava/util/EnumSet;
java/util/EnumSet of(Ljava/lang/Enum;)Ljava/util/EnumSet;
java/util/EnumSet of(Ljava/lang/Enum;Ljava/lang/Enum;)Ljava/util/EnumSet;
java/util/EnumSet of(Ljava/lang/Enum;Ljava/lang/Enum;Ljava/lang/Enum;)Ljava/util/EnumSet;
java/util/EnumSet of(Ljava/lang/Enum;Ljava/lang/Enum;Ljava/lang/Enum;Ljava/lang/Enum;)Ljava/util/EnumSet;
java/util/EnumSet
of(Ljava/lang/Enum;Ljava/lang/Enum;Ljava/lang/Enum;Ljava/lang/Enum;Ljava/lang/Enum;)Ljava/util/EnumSet;
java/util/EnumSet of(Ljava/lang/Enum;[Ljava/lang/Enum;)Ljava/util/EnumSet;
java/util/EnumSet range(Ljava/lang/Enum;Ljava/lang/Enum;)Ljava/util/EnumSet;
java/util/EnumSet
 addRange(Ljava/lang/Enum;Ljava/lang/Enum;)V
java/util/EnumSet clone()Ljava/util/EnumSet;
java/util/EnumSet complement()V
java/util/EnumSet typeCheck(Ljava/lang/Enum;)V
java/util/EnumSet writeReplace()Ljava/lang/Object;
java/util/EnumSet clone()Ljava/lang/Object;
java/util/EnumSet access$000()[Ljava/lang/Enum;
java/util/EnumSet <clinit>()V
class java/util/FormatFlagsConversionMismatchException java/util/IllegalFormatException
java/util/FormatFlagsConversionMismatchException serialVersionUID
java/util/FormatFlagsConversionMismatchException f
java/util/FormatFlagsConversionMismatchException c
java/util/FormatFlagsConversionMismatchException <init>(Ljava/lang/String;C)V
java/util/FormatFlagsConversionMismatchException getFlags()Ljava/lang/String;
java/util/FormatFlagsConversionMismatchException getConversion()C
java/util/FormatFlagsConversionMismatchException getMessage()Ljava/lang/String;
class java/util/Formattable java/lang/Object

java/util/Formattable formatTo(Ljava/util/Formatter;III)V
class
java/util/FormattableFlags java/lang/Object
java/util/FormattableFlags LEFT_JUSTIFY
java/util/FormattableFlags UPPERCASE
java/util/FormattableFlags ALTERNATE
java/util/FormattableFlags <init>()V
class java/util/Formatter$BigDecimalLayoutForm java/lang/Enum
java/util/Formatter$BigDecimalLayoutForm SCIENTIFIC
java/util/Formatter$BigDecimalLayoutForm DECIMAL_FLOAT
java/util/Formatter$BigDecimalLayoutForm $VALUES
java/util/Formatter$BigDecimalLayoutForm values()[Ljava/util/Formatter$BigDecimalLayoutForm;
java/util/Formatter$BigDecimalLayoutForm
valueOf(Ljava/lang/String;)Ljava/util/Formatter$BigDecimalLayoutForm;
java/util/Formatter$BigDecimalLayoutForm <init>(Ljava/lang/String;I)V
java/util/Formatter$BigDecimalLayoutForm <clinit>()V
class java/util/Formatter$Conversion java/lang/Object
java/util/Formatter$Conversion DECIMAL_INTEGER
java/util/Formatter$Conversion OCTAL_INTEGER
java/util/Formatter$Conversion HEXADECIMAL_INTEGER
java/util/Formatter$Conversion
HEXADECIMAL_INTEGER_UPPER
java/util/Formatter$Conversion SCIENTIFIC
java/util/Formatter$Conversion SCIENTIFIC_UPPER
java/util/Formatter$Conversion GENERAL
java/util/Formatter$Conversion GENERAL_UPPER
java/util/Formatter$Conversion DECIMAL_FLOAT
java/util/Formatter$Conversion HEXADECIMAL_FLOAT
java/util/Formatter$Conversion HEXADECIMAL_FLOAT_UPPER
java/util/Formatter$Conversion CHARACTER
java/util/Formatter$Conversion CHARACTER_UPPER
java/util/Formatter$Conversion DATE_TIME
java/util/Formatter$Conversion DATE_TIME_UPPER
java/util/Formatter$Conversion BOOLEAN
java/util/Formatter$Conversion BOOLEAN_UPPER
java/util/Formatter$Conversion STRING
java/util/Formatter$Conversion STRING_UPPER
java/util/Formatter$Conversion HASHCODE
java/util/Formatter$Conversion HASHCODE_UPPER
java/util/Formatter$Conversion LINE_SEPARATOR
java/util/Formatter$Conversion PERCENT_SIGN
java/util/Formatter$Conversion <init>()V
java/util/Formatter$Conversion isValid(C)Z
java/util/Formatter$Conversion isGeneral(C)Z
java/util/Formatter$Conversion
isInteger(C)Z
java/util/Formatter$Conversion isFloat(C)Z
java/util/Formatter$Conversion isText(C)Z

class java/util/Formatter$DateTime java/lang/Object
java/util/Formatter$DateTime HOUR_OF_DAY_0
java/util/Formatter$DateTime HOUR_0
java/util/Formatter$DateTime HOUR_OF_DAY
java/util/Formatter$DateTime HOUR
java/util/Formatter$DateTime MINUTE
java/util/Formatter$DateTime NANOSECOND
java/util/Formatter$DateTime MILLISECOND
java/util/Formatter$DateTime MILLISECOND_SINCE_EPOCH
java/util/Formatter$DateTime AM_PM
java/util/Formatter$DateTime SECONDS_SINCE_EPOCH
java/util/Formatter$DateTime SECOND
java/util/Formatter$DateTime TIME
java/util/Formatter$DateTime ZONE_NUMERIC
java/util/Formatter$DateTime ZONE
java/util/Formatter$DateTime NAME_OF_DAY_ABBREV
java/util/Formatter$DateTime NAME_OF_DAY
java/util/Formatter$DateTime NAME_OF_MONTH_ABBREV
java/util/Formatter$DateTime NAME_OF_MONTH
java/util/Formatter$DateTime CENTURY
java/util/Formatter$DateTime DAY_OF_MONTH_0
java/util/Formatter$DateTime
DAY_OF_MONTH
java/util/Formatter$DateTime NAME_OF_MONTH_ABBREV_X
java/util/Formatter$DateTime DAY_OF_YEAR
java/util/Formatter$DateTime MONTH
java/util/Formatter$DateTime YEAR_2
java/util/Formatter$DateTime YEAR_4
java/util/Formatter$DateTime TIME_12_HOUR
java/util/Formatter$DateTime TIME_24_HOUR
java/util/Formatter$DateTime DATE_TIME
java/util/Formatter$DateTime DATE
java/util/Formatter$DateTime ISO_STANDARD_DATE
java/util/Formatter$DateTime <init>()V
java/util/Formatter$DateTime isValid(C)Z
class java/util/Formatter$FixedString java/lang/Object
java/util/Formatter$FixedString s
java/util/Formatter$FixedString this$0
java/util/Formatter$FixedString <init>(Ljava/util/Formatter;Ljava/lang/String;)V
java/util/Formatter$FixedString index()I
java/util/Formatter$FixedString print(Ljava/lang/Object;Ljava/util/Locale;)V
java/util/Formatter$FixedString toString()Ljava/lang/String;
class java/util/Formatter$Flags java/lang/Object
java/util/Formatter$Flags flags
java/util/Formatter$Flags
NONE
java/util/Formatter$Flags LEFT_JUSTIFY
java/util/Formatter$Flags UPPERCASE

java/util/Formatter$Flags ALTERNATE
java/util/Formatter$Flags PLUS
java/util/Formatter$Flags LEADING_SPACE
java/util/Formatter$Flags ZERO_PAD
java/util/Formatter$Flags GROUP
java/util/Formatter$Flags PARENTHESES
java/util/Formatter$Flags PREVIOUS
java/util/Formatter$Flags <init>(I)V
java/util/Formatter$Flags valueOf()I
java/util/Formatter$Flags contains(Ljava/util/Formatter$Flags;)Z
java/util/Formatter$Flags dup()Ljava/util/Formatter$Flags;
java/util/Formatter$Flags add(Ljava/util/Formatter$Flags;)Ljava/util/Formatter$Flags;
java/util/Formatter$Flags remove(Ljava/util/Formatter$Flags;)Ljava/util/Formatter$Flags;
java/util/Formatter$Flags parse(Ljava/lang/String;)Ljava/util/Formatter$Flags;
java/util/Formatter$Flags parse(C)Ljava/util/Formatter$Flags;
java/util/Formatter$Flags toString(Ljava/util/Formatter$Flags;)Ljava/lang/String;
java/util/Formatter$Flags toString()Ljava/lang/String;
java/util/Formatter$Flags
access$100(Ljava/util/Formatter$Flags;Ljava/util/Formatter$Flags;)Ljava/util/Formatter$Flags;
java/util/Formatter$Flags <clinit>()V
class java/util/Formatter$FormatSpecifier$BigDecimalLayout java/lang/Object
java/util/Formatter$FormatSpecifier$BigDecimalLayout mant
java/util/Formatter$FormatSpecifier$BigDecimalLayout exp
java/util/Formatter$FormatSpecifier$BigDecimalLayout dot
java/util/Formatter$FormatSpecifier$BigDecimalLayout this$1
java/util/Formatter$FormatSpecifier$BigDecimalLayout
<init>(Ljava/util/Formatter$FormatSpecifier;Ljava/math/BigInteger;ILjava/util/Formatter$BigDecimalLayoutForm;
)V
java/util/Formatter$FormatSpecifier$BigDecimalLayout hasDot()Z
java/util/Formatter$FormatSpecifier$BigDecimalLayout layoutChars()[C
java/util/Formatter$FormatSpecifier$BigDecimalLayout mantissa()[C
java/util/Formatter$FormatSpecifier$BigDecimalLayout exponent()[C
java/util/Formatter$FormatSpecifier$BigDecimalLayout toCharArray(Ljava/lang/StringBuilder;)[C
java/util/Formatter$FormatSpecifier$BigDecimalLayout
layout(Ljava/math/BigInteger;ILjava/util/Formatter$BigDecimalLayoutForm;)V
class java/util/Formatter$FormatSpecifier java/lang/Object
java/util/Formatter$FormatSpecifier index
java/util/Formatter$FormatSpecifier f
java/util/Formatter$FormatSpecifier width
java/util/Formatter$FormatSpecifier precision
java/util/Formatter$FormatSpecifier dt
java/util/Formatter$FormatSpecifier c
java/util/Formatter$FormatSpecifier formatter
java/util/Formatter$FormatSpecifier ls
java/util/Formatter$FormatSpecifier $assertionsDisabled
java/util/Formatter$FormatSpecifier this$0
java/util/Formatter$FormatSpecifier index(Ljava/lang/String;)I
java/util/Formatter$FormatSpecifier index()I

java/util/Formatter$FormatSpecifier flags(Ljava/lang/String;)Ljava/util/Formatter$Flags;
java/util/Formatter$FormatSpecifier flags()Ljava/util/Formatter$Flags;
java/util/Formatter$FormatSpecifier width(Ljava/lang/String;)I
java/util/Formatter$FormatSpecifier width()I
java/util/Formatter$FormatSpecifier
precision(Ljava/lang/String;)I
java/util/Formatter$FormatSpecifier precision()I
java/util/Formatter$FormatSpecifier conversion(Ljava/lang/String;)C
java/util/Formatter$FormatSpecifier conversion()C
java/util/Formatter$FormatSpecifier <init>(Ljava/util/Formatter;Ljava/util/Formatter;[Ljava/lang/String;)V
java/util/Formatter$FormatSpecifier print(Ljava/lang/Object;Ljava/util/Locale;)V
java/util/Formatter$FormatSpecifier printInteger(Ljava/lang/Object;Ljava/util/Locale;)V
java/util/Formatter$FormatSpecifier printFloat(Ljava/lang/Object;Ljava/util/Locale;)V
java/util/Formatter$FormatSpecifier printDateTime(Ljava/lang/Object;Ljava/util/Locale;)V
java/util/Formatter$FormatSpecifier printCharacter(Ljava/lang/Object;)V
java/util/Formatter$FormatSpecifier printString(Ljava/lang/Object;Ljava/util/Locale;)V
java/util/Formatter$FormatSpecifier printBoolean(Ljava/lang/Object;)V
java/util/Formatter$FormatSpecifier printHashCode(Ljava/lang/Object;)V
java/util/Formatter$FormatSpecifier print(Ljava/lang/String;)V
java/util/Formatter$FormatSpecifier
justify(Ljava/lang/String;)Ljava/lang/String;
java/util/Formatter$FormatSpecifier toString()Ljava/lang/String;
java/util/Formatter$FormatSpecifier checkGeneral()V
java/util/Formatter$FormatSpecifier checkDateTime()V
java/util/Formatter$FormatSpecifier checkCharacter()V
java/util/Formatter$FormatSpecifier checkInteger()V
java/util/Formatter$FormatSpecifier checkBadFlags([Ljava/util/Formatter$Flags;)V
java/util/Formatter$FormatSpecifier checkFloat()V
java/util/Formatter$FormatSpecifier checkNumeric()V
java/util/Formatter$FormatSpecifier checkText()V
java/util/Formatter$FormatSpecifier print(BLjava/util/Locale;)V
java/util/Formatter$FormatSpecifier print(SLjava/util/Locale;)V
java/util/Formatter$FormatSpecifier print(ILjava/util/Locale;)V
java/util/Formatter$FormatSpecifier print(JLjava/util/Locale;)V
java/util/Formatter$FormatSpecifier leadingSign(Ljava/lang/StringBuilder;Z)Ljava/lang/StringBuilder;
java/util/Formatter$FormatSpecifier
trailingSign(Ljava/lang/StringBuilder;Z)Ljava/lang/StringBuilder;
java/util/Formatter$FormatSpecifier print(Ljava/math/BigInteger;Ljava/util/Locale;)V
java/util/Formatter$FormatSpecifier print(FLjava/util/Locale;)V
java/util/Formatter$FormatSpecifier print(DLjava/util/Locale;)V
java/util/Formatter$FormatSpecifier
print(Ljava/lang/StringBuilder;DLjava/util/Locale;Ljava/util/Formatter$Flags;CIZ)V
java/util/Formatter$FormatSpecifier mantissa([CI)[C
java/util/Formatter$FormatSpecifier exponent([CI)[C
java/util/Formatter$FormatSpecifier addZeros([CI)[C
java/util/Formatter$FormatSpecifier hexDouble(DI)Ljava/lang/String;
java/util/Formatter$FormatSpecifier print(Ljava/math/BigDecimal;Ljava/util/Locale;)V
java/util/Formatter$FormatSpecifier

print(Ljava/lang/StringBuilder;Ljava/math/BigDecimal;Ljava/util/Locale;Ljava/util/Formatter$Flags;CIZ)V
java/util/Formatter$FormatSpecifier adjustWidth(ILjava/util/Formatter$Flags;Z)I
java/util/Formatter$FormatSpecifier addDot([C)[C
java/util/Formatter$FormatSpecifier
trailingZeros([CI)[C
java/util/Formatter$FormatSpecifier print(Ljava/util/Calendar;CLjava/util/Locale;)V
java/util/Formatter$FormatSpecifier
print(Ljava/lang/StringBuilder;Ljava/util/Calendar;CLjava/util/Locale;)Ljava/lang/Appendable;
java/util/Formatter$FormatSpecifier failMismatch(Ljava/util/Formatter$Flags;C)V
java/util/Formatter$FormatSpecifier failConversion(CLjava/lang/Object;)V
java/util/Formatter$FormatSpecifier getZero(Ljava/util/Locale;)C
java/util/Formatter$FormatSpecifier
localizedMagnitude(Ljava/lang/StringBuilder;JLjava/util/Formatter$Flags;ILjava/util/Locale;)Ljava/lang/StringBuilder;
java/util/Formatter$FormatSpecifier
localizedMagnitude(Ljava/lang/StringBuilder;[CLjava/util/Formatter$Flags;ILjava/util/Locale;)Ljava/lang/StringBuilder;
java/util/Formatter$FormatSpecifier <clinit>()V
class java/util/Formatter$FormatString java/lang/Object
java/util/Formatter$FormatString index()I
java/util/Formatter$FormatString print(Ljava/lang/Object;Ljava/util/Locale;)V
java/util/Formatter$FormatString
toString()Ljava/lang/String;
class java/util/Formatter java/lang/Object
java/util/Formatter a
java/util/Formatter l
java/util/Formatter lastException
java/util/Formatter zero
java/util/Formatter scaleUp
java/util/Formatter MAX_FD_CHARS
java/util/Formatter formatSpecifier
java/util/Formatter fsPattern
java/util/Formatter init(Ljava/lang/Appendable;Ljava/util/Locale;)V
java/util/Formatter <init>()V
java/util/Formatter <init>(Ljava/lang/Appendable;)V
java/util/Formatter <init>(Ljava/util/Locale;)V
java/util/Formatter <init>(Ljava/lang/Appendable;Ljava/util/Locale;)V
java/util/Formatter <init>(Ljava/lang/String;)V
java/util/Formatter <init>(Ljava/lang/String;Ljava/lang/String;)V
java/util/Formatter <init>(Ljava/lang/String;Ljava/lang/String;Ljava/util/Locale;)V
java/util/Formatter <init>(Ljava/io/File;)V
java/util/Formatter <init>(Ljava/io/File;Ljava/lang/String;)V
java/util/Formatter <init>(Ljava/io/File;Ljava/lang/String;Ljava/util/Locale;)V
java/util/Formatter
<init>(Ljava/io/PrintStream;)V
java/util/Formatter <init>(Ljava/io/OutputStream;)V
java/util/Formatter <init>(Ljava/io/OutputStream;Ljava/lang/String;)V
java/util/Formatter <init>(Ljava/io/OutputStream;Ljava/lang/String;Ljava/util/Locale;)V

java/util/Formatter setZero()V
java/util/Formatter locale()Ljava/util/Locale;
java/util/Formatter out()Ljava/lang/Appendable;
java/util/Formatter toString()Ljava/lang/String;
java/util/Formatter flush()V
java/util/Formatter close()V
java/util/Formatter ensureOpen()V
java/util/Formatter ioException()Ljava/io/IOException;
java/util/Formatter format(Ljava/lang/String;[Ljava/lang/Object;)Ljava/util/Formatter;
java/util/Formatter format(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/util/Formatter;
java/util/Formatter parse(Ljava/lang/String;)[Ljava/util/Formatter$FormatString;
java/util/Formatter checkText(Ljava/lang/String;)V
java/util/Formatter access$000(Ljava/util/Formatter;)Ljava/lang/Appendable;
java/util/Formatter access$202(D)D
java/util/Formatter
access$200()D
java/util/Formatter access$300(Ljava/util/Formatter;)C
java/util/Formatter <clinit>()V
class java/util/FormatterClosedException java/lang/IllegalStateException
java/util/FormatterClosedException serialVersionUID
java/util/FormatterClosedException <init>()V
class java/util/HashMap$1 java/lang/Object
class java/util/Hashtable$1 java/lang/Object
class java/util/IdentityHashMap$1 java/lang/Object
class java/util/IdentityHashMap$EntryIterator java/util/IdentityHashMap$IdentityHashMapIterator
java/util/IdentityHashMap$EntryIterator this$0
java/util/IdentityHashMap$EntryIterator <init>(Ljava/util/IdentityHashMap;)V
java/util/IdentityHashMap$EntryIterator next()Ljava/util/Map$Entry;
java/util/IdentityHashMap$EntryIterator getKey()Ljava/lang/Object;
java/util/IdentityHashMap$EntryIterator getValue()Ljava/lang/Object;
java/util/IdentityHashMap$EntryIterator setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/IdentityHashMap$EntryIterator equals(Ljava/lang/Object;)Z
java/util/IdentityHashMap$EntryIterator
hashCode()I
java/util/IdentityHashMap$EntryIterator toString()Ljava/lang/String;
java/util/IdentityHashMap$EntryIterator next()Ljava/lang/Object;
java/util/IdentityHashMap$EntryIterator <init>(Ljava/util/IdentityHashMap;Ljava/util/IdentityHashMap$1;)V
class java/util/IdentityHashMap$EntrySet java/util/AbstractSet
java/util/IdentityHashMap$EntrySet this$0
java/util/IdentityHashMap$EntrySet <init>(Ljava/util/IdentityHashMap;)V
java/util/IdentityHashMap$EntrySet iterator()Ljava/util/Iterator;
java/util/IdentityHashMap$EntrySet contains(Ljava/lang/Object;)Z
java/util/IdentityHashMap$EntrySet remove(Ljava/lang/Object;)Z
java/util/IdentityHashMap$EntrySet size()I
java/util/IdentityHashMap$EntrySet clear()V
java/util/IdentityHashMap$EntrySet removeAll(Ljava/util/Collection;)Z
java/util/IdentityHashMap$EntrySet toArray()[Ljava/lang/Object;
java/util/IdentityHashMap$EntrySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;

java/util/IdentityHashMap$EntrySet
 <init>(Ljava/util/IdentityHashMap;Ljava/util/IdentityHashMap$1;)V
class java/util/IdentityHashMap$IdentityHashMapIterator java/lang/Object
java/util/IdentityHashMap$IdentityHashMapIterator index
java/util/IdentityHashMap$IdentityHashMapIterator expectedModCount
java/util/IdentityHashMap$IdentityHashMapIterator lastReturnedIndex
java/util/IdentityHashMap$IdentityHashMapIterator indexValid
java/util/IdentityHashMap$IdentityHashMapIterator traversalTable
java/util/IdentityHashMap$IdentityHashMapIterator this$0
java/util/IdentityHashMap$IdentityHashMapIterator <init>(Ljava/util/IdentityHashMap;)V
java/util/IdentityHashMap$IdentityHashMapIterator hasNext()Z
java/util/IdentityHashMap$IdentityHashMapIterator nextIndex()I
java/util/IdentityHashMap$IdentityHashMapIterator remove()V
java/util/IdentityHashMap$IdentityHashMapIterator
<init>(Ljava/util/IdentityHashMap;Ljava/util/IdentityHashMap$1;)V
class java/util/IdentityHashMap$KeyIterator java/util/IdentityHashMap$IdentityHashMapIterator
java/util/IdentityHashMap$KeyIterator
 this$0
java/util/IdentityHashMap$KeyIterator <init>(Ljava/util/IdentityHashMap;)V
java/util/IdentityHashMap$KeyIterator next()Ljava/lang/Object;
java/util/IdentityHashMap$KeyIterator <init>(Ljava/util/IdentityHashMap;Ljava/util/IdentityHashMap$1;)V
class java/util/IdentityHashMap$KeySet java/util/AbstractSet
java/util/IdentityHashMap$KeySet this$0
java/util/IdentityHashMap$KeySet <init>(Ljava/util/IdentityHashMap;)V
java/util/IdentityHashMap$KeySet iterator()Ljava/util/Iterator;
java/util/IdentityHashMap$KeySet size()I
java/util/IdentityHashMap$KeySet contains(Ljava/lang/Object;)Z
java/util/IdentityHashMap$KeySet remove(Ljava/lang/Object;)Z
java/util/IdentityHashMap$KeySet removeAll(Ljava/util/Collection;)Z
java/util/IdentityHashMap$KeySet clear()V
java/util/IdentityHashMap$KeySet hashCode()I
java/util/IdentityHashMap$KeySet <init>(Ljava/util/IdentityHashMap;Ljava/util/IdentityHashMap$1;)V
class java/util/IdentityHashMap$ValueIterator
 java/util/IdentityHashMap$IdentityHashMapIterator
java/util/IdentityHashMap$ValueIterator this$0
java/util/IdentityHashMap$ValueIterator <init>(Ljava/util/IdentityHashMap;)V
java/util/IdentityHashMap$ValueIterator next()Ljava/lang/Object;
java/util/IdentityHashMap$ValueIterator <init>(Ljava/util/IdentityHashMap;Ljava/util/IdentityHashMap$1;)V
class java/util/IdentityHashMap$Values java/util/AbstractCollection
java/util/IdentityHashMap$Values this$0
java/util/IdentityHashMap$Values <init>(Ljava/util/IdentityHashMap;)V
java/util/IdentityHashMap$Values iterator()Ljava/util/Iterator;
java/util/IdentityHashMap$Values size()I
java/util/IdentityHashMap$Values contains(Ljava/lang/Object;)Z
java/util/IdentityHashMap$Values remove(Ljava/lang/Object;)Z
java/util/IdentityHashMap$Values clear()V
java/util/IdentityHashMap$Values <init>(Ljava/util/IdentityHashMap;Ljava/util/IdentityHashMap$1;)V
class java/util/IdentityHashMap java/util/AbstractMap

java/util/IdentityHashMap DEFAULT_CAPACITY
java/util/IdentityHashMap
MINIMUM_CAPACITY
java/util/IdentityHashMap MAXIMUM_CAPACITY
java/util/IdentityHashMap table
java/util/IdentityHashMap size
java/util/IdentityHashMap modCount
java/util/IdentityHashMap threshold
java/util/IdentityHashMap NULL_KEY
java/util/IdentityHashMap entrySet
java/util/IdentityHashMap serialVersionUID
java/util/IdentityHashMap maskNull(Ljava/lang/Object;)Ljava/lang/Object;
java/util/IdentityHashMap unmaskNull(Ljava/lang/Object;)Ljava/lang/Object;
java/util/IdentityHashMap <init>()V
java/util/IdentityHashMap <init>(I)V
java/util/IdentityHashMap capacity(I)I
java/util/IdentityHashMap init(I)V
java/util/IdentityHashMap <init>(Ljava/util/Map;)V
java/util/IdentityHashMap size()I
java/util/IdentityHashMap isEmpty()Z
java/util/IdentityHashMap hash(Ljava/lang/Object;I)I
java/util/IdentityHashMap nextKeyIndex(II)I
java/util/IdentityHashMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/IdentityHashMap containsKey(Ljava/lang/Object;)Z
java/util/IdentityHashMap containsValue(Ljava/lang/Object;)Z
java/util/IdentityHashMap
containsMapping(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/IdentityHashMap put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/IdentityHashMap resize(I)V
java/util/IdentityHashMap putAll(Ljava/util/Map;)V
java/util/IdentityHashMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/IdentityHashMap removeMapping(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/IdentityHashMap closeDeletion(I)V
java/util/IdentityHashMap clear()V
java/util/IdentityHashMap equals(Ljava/lang/Object;)Z
java/util/IdentityHashMap hashCode()I
java/util/IdentityHashMap clone()Ljava/lang/Object;
java/util/IdentityHashMap keySet()Ljava/util/Set;
java/util/IdentityHashMap values()Ljava/util/Collection;
java/util/IdentityHashMap entrySet()Ljava/util/Set;
java/util/IdentityHashMap writeObject(Ljava/io/ObjectOutputStream;)V
java/util/IdentityHashMap readObject(Ljava/io/ObjectInputStream;)V
java/util/IdentityHashMap putForCreate(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/IdentityHashMap
access$000(Ljava/util/IdentityHashMap;)I
java/util/IdentityHashMap access$100(Ljava/util/IdentityHashMap;)[Ljava/lang/Object;
java/util/IdentityHashMap access$200(Ljava/util/IdentityHashMap;)I
java/util/IdentityHashMap access$204(Ljava/util/IdentityHashMap;)I

java/util/IdentityHashMap access$010(Ljava/util/IdentityHashMap;)I
java/util/IdentityHashMap access$300(II)I
java/util/IdentityHashMap access$400(Ljava/lang/Object;I)I
java/util/IdentityHashMap access$600(Ljava/lang/Object;)Ljava/lang/Object;
java/util/IdentityHashMap access$1300(Ljava/util/IdentityHashMap;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/IdentityHashMap access$1400(Ljava/util/IdentityHashMap;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/IdentityHashMap <clinit>()V
class java/util/IllegalFormatCodePointException java/util/IllegalFormatException
java/util/IllegalFormatCodePointException serialVersionUID
java/util/IllegalFormatCodePointException c
java/util/IllegalFormatCodePointException
 <init>(I)V
java/util/IllegalFormatCodePointException getCodePoint()I
java/util/IllegalFormatCodePointException getMessage()Ljava/lang/String;
class java/util/IllegalFormatConversionException java/util/IllegalFormatException
java/util/IllegalFormatConversionException serialVersionUID
java/util/IllegalFormatConversionException c
java/util/IllegalFormatConversionException arg
java/util/IllegalFormatConversionException <init>(CLjava/lang/Class;)V
java/util/IllegalFormatConversionException getConversion()C
java/util/IllegalFormatConversionException getArgumentClass()Ljava/lang/Class;
java/util/IllegalFormatConversionException getMessage()Ljava/lang/String;
class java/util/IllegalFormatException java/lang/IllegalArgumentException
java/util/IllegalFormatException serialVersionUID
java/util/IllegalFormatException <init>()V
class java/util/IllegalFormatFlagsException java/util/IllegalFormatException
java/util/IllegalFormatFlagsException serialVersionUID
java/util/IllegalFormatFlagsException
 flags
java/util/IllegalFormatFlagsException <init>(Ljava/lang/String;)V
java/util/IllegalFormatFlagsException getFlags()Ljava/lang/String;
java/util/IllegalFormatFlagsException getMessage()Ljava/lang/String;
class java/util/IllegalFormatPrecisionException java/util/IllegalFormatException
java/util/IllegalFormatPrecisionException serialVersionUID
java/util/IllegalFormatPrecisionException p
java/util/IllegalFormatPrecisionException <init>(I)V
java/util/IllegalFormatPrecisionException getPrecision()I
java/util/IllegalFormatPrecisionException getMessage()Ljava/lang/String;
class java/util/IllegalFormatWidthException java/util/IllegalFormatException
java/util/IllegalFormatWidthException serialVersionUID
java/util/IllegalFormatWidthException w
java/util/IllegalFormatWidthException <init>(I)V
java/util/IllegalFormatWidthException getWidth()I
java/util/IllegalFormatWidthException getMessage()Ljava/lang/String;
class java/util/InputMismatchException java/util/NoSuchElementException
java/util/InputMismatchException
 <init>()V
java/util/InputMismatchException <init>(Ljava/lang/String;)V

class java/util/InvalidPropertiesFormatException java/io/IOException
java/util/InvalidPropertiesFormatException <init>(Ljava/lang/Throwable;)V
java/util/InvalidPropertiesFormatException <init>(Ljava/lang/String;)V
java/util/InvalidPropertiesFormatException writeObject(Ljava/io/ObjectOutputStream;)V
java/util/InvalidPropertiesFormatException readObject(Ljava/io/ObjectInputStream;)V
class java/util/JumboEnumSet$EnumSetIterator java/lang/Object
java/util/JumboEnumSet$EnumSetIterator unseen
java/util/JumboEnumSet$EnumSetIterator unseenIndex
java/util/JumboEnumSet$EnumSetIterator lastReturned
java/util/JumboEnumSet$EnumSetIterator lastReturnedIndex
java/util/JumboEnumSet$EnumSetIterator this$0
java/util/JumboEnumSet$EnumSetIterator <init>(Ljava/util/JumboEnumSet;)V
java/util/JumboEnumSet$EnumSetIterator hasNext()Z
java/util/JumboEnumSet$EnumSetIterator next()Ljava/lang/Enum;
java/util/JumboEnumSet$EnumSetIterator
remove()V
java/util/JumboEnumSet$EnumSetIterator next()Ljava/lang/Object;
class java/util/JumboEnumSet java/util/EnumSet
java/util/JumboEnumSet elements
java/util/JumboEnumSet size
java/util/JumboEnumSet <init>(Ljava/lang/Class;[Ljava/lang/Enum;)V
java/util/JumboEnumSet addRange(Ljava/lang/Enum;Ljava/lang/Enum;)V
java/util/JumboEnumSet addAll()V
java/util/JumboEnumSet complement()V
java/util/JumboEnumSet iterator()Ljava/util/Iterator;
java/util/JumboEnumSet size()I
java/util/JumboEnumSet isEmpty()Z
java/util/JumboEnumSet contains(Ljava/lang/Object;)Z
java/util/JumboEnumSet add(Ljava/lang/Enum;)Z
java/util/JumboEnumSet remove(Ljava/lang/Object;)Z
java/util/JumboEnumSet containsAll(Ljava/util/Collection;)Z
java/util/JumboEnumSet addAll(Ljava/util/Collection;)Z
java/util/JumboEnumSet removeAll(Ljava/util/Collection;)Z
java/util/JumboEnumSet retainAll(Ljava/util/Collection;)Z
java/util/JumboEnumSet clear()V
java/util/JumboEnumSet equals(Ljava/lang/Object;)Z
java/util/JumboEnumSet
recalculateSize()Z
java/util/JumboEnumSet clone()Ljava/util/EnumSet;
java/util/JumboEnumSet add(Ljava/lang/Object;)Z
java/util/JumboEnumSet clone()Ljava/lang/Object;
java/util/JumboEnumSet access$000(Ljava/util/JumboEnumSet;)[J
java/util/JumboEnumSet access$110(Ljava/util/JumboEnumSet;)I
class java/util/LinkedHashMap$1 java/lang/Object
class java/util/LinkedHashMap$ValueIterator java/util/LinkedHashMap$LinkedHashIterator
java/util/LinkedHashMap$ValueIterator this$0
java/util/LinkedHashMap$ValueIterator <init>(Ljava/util/LinkedHashMap;)V
java/util/LinkedHashMap$ValueIterator next()Ljava/lang/Object;

java/util/LinkedHashMap$ValueIterator <init>(Ljava/util/LinkedHashMap;Ljava/util/LinkedHashMap$1;)V
class java/util/LinkedHashSet java/util/HashSet
java/util/LinkedHashSet serialVersionUID
java/util/LinkedHashSet <init>(IF)V
java/util/LinkedHashSet <init>(I)V
java/util/LinkedHashSet <init>()V
java/util/LinkedHashSet <init>(Ljava/util/Collection;)V
class java/util/MissingFormatArgumentException
 java/util/IllegalFormatException
java/util/MissingFormatArgumentException serialVersionUID
java/util/MissingFormatArgumentException s
java/util/MissingFormatArgumentException <init>(Ljava/lang/String;)V
java/util/MissingFormatArgumentException getFormatSpecifier()Ljava/lang/String;
java/util/MissingFormatArgumentException getMessage()Ljava/lang/String;
class java/util/MissingFormatWidthException java/util/IllegalFormatException
java/util/MissingFormatWidthException serialVersionUID
java/util/MissingFormatWidthException s
java/util/MissingFormatWidthException <init>(Ljava/lang/String;)V
java/util/MissingFormatWidthException getFormatSpecifier()Ljava/lang/String;
java/util/MissingFormatWidthException getMessage()Ljava/lang/String;
class java/util/Observable java/lang/Object
java/util/Observable changed
java/util/Observable obs
java/util/Observable <init>()V
java/util/Observable addObserver(Ljava/util/Observer;)V
java/util/Observable deleteObserver(Ljava/util/Observer;)V
java/util/Observable
 notifyObservers()V
java/util/Observable notifyObservers(Ljava/lang/Object;)V
java/util/Observable deleteObservers()V
java/util/Observable setChanged()V
java/util/Observable clearChanged()V
java/util/Observable hasChanged()Z
java/util/Observable countObservers()I
class java/util/Observer java/lang/Object
java/util/Observer update(Ljava/util/Observable;Ljava/lang/Object;)V
class java/util/PriorityQueue$1 java/lang/Object
class java/util/PriorityQueue$Itr java/lang/Object
java/util/PriorityQueue$Itr cursor
java/util/PriorityQueue$Itr lastRet
java/util/PriorityQueue$Itr expectedModCount
java/util/PriorityQueue$Itr forgetMeNot
java/util/PriorityQueue$Itr lastRetElt
java/util/PriorityQueue$Itr this$0
java/util/PriorityQueue$Itr <init>(Ljava/util/PriorityQueue;)V
java/util/PriorityQueue$Itr hasNext()Z
java/util/PriorityQueue$Itr next()Ljava/lang/Object;
java/util/PriorityQueue$Itr remove()V

java/util/PriorityQueue$Itr checkForComodification()V
java/util/PriorityQueue$Itr
 <init>(Ljava/util/PriorityQueue;Ljava/util/PriorityQueue$1;)V
class java/util/PriorityQueue java/util/AbstractQueue
java/util/PriorityQueue serialVersionUID
java/util/PriorityQueue DEFAULT_INITIAL_CAPACITY
java/util/PriorityQueue queue
java/util/PriorityQueue size
java/util/PriorityQueue comparator
java/util/PriorityQueue modCount
java/util/PriorityQueue $assertionsDisabled
java/util/PriorityQueue <init>()V
java/util/PriorityQueue <init>(I)V
java/util/PriorityQueue <init>(ILjava/util/Comparator;)V
java/util/PriorityQueue initializeArray(Ljava/util/Collection;)V
java/util/PriorityQueue fillFromSorted(Ljava/util/Collection;)V
java/util/PriorityQueue fillFromUnsorted(Ljava/util/Collection;)V
java/util/PriorityQueue <init>(Ljava/util/Collection;)V
java/util/PriorityQueue <init>(Ljava/util/PriorityQueue;)V
java/util/PriorityQueue <init>(Ljava/util/SortedSet;)V
java/util/PriorityQueue grow(I)V
java/util/PriorityQueue offer(Ljava/lang/Object;)Z
java/util/PriorityQueue peek()Ljava/lang/Object;
java/util/PriorityQueue
 add(Ljava/lang/Object;)Z
java/util/PriorityQueue remove(Ljava/lang/Object;)Z
java/util/PriorityQueue iterator()Ljava/util/Iterator;
java/util/PriorityQueue size()I
java/util/PriorityQueue clear()V
java/util/PriorityQueue poll()Ljava/lang/Object;
java/util/PriorityQueue removeAt(I)Ljava/lang/Object;
java/util/PriorityQueue fixUp(I)V
java/util/PriorityQueue fixDown(I)V
java/util/PriorityQueue heapify()V
java/util/PriorityQueue comparator()Ljava/util/Comparator;
java/util/PriorityQueue writeObject(Ljava/io/ObjectOutputStream;)V
java/util/PriorityQueue readObject(Ljava/io/ObjectInputStream;)V
java/util/PriorityQueue access$100(Ljava/util/PriorityQueue;)I
java/util/PriorityQueue access$200(Ljava/util/PriorityQueue;)I
java/util/PriorityQueue access$300(Ljava/util/PriorityQueue;)[Ljava/lang/Object;
java/util/PriorityQueue access$400(Ljava/util/PriorityQueue;I)Ljava/lang/Object;
java/util/PriorityQueue <clinit>()V
class java/util/RegularEnumSet$EnumSetIterator
 java/lang/Object
java/util/RegularEnumSet$EnumSetIterator unseen
java/util/RegularEnumSet$EnumSetIterator lastReturned
java/util/RegularEnumSet$EnumSetIterator this$0
java/util/RegularEnumSet$EnumSetIterator <init>(Ljava/util/RegularEnumSet;)V

java/util/RegularEnumSet$EnumSetIterator hasNext()Z
java/util/RegularEnumSet$EnumSetIterator next()Ljava/lang/Enum;
java/util/RegularEnumSet$EnumSetIterator remove()V
java/util/RegularEnumSet$EnumSetIterator next()Ljava/lang/Object;
class java/util/RegularEnumSet java/util/EnumSet
java/util/RegularEnumSet elements
java/util/RegularEnumSet <init>(Ljava/lang/Class;[Ljava/lang/Enum;)V
java/util/RegularEnumSet addRange(Ljava/lang/Enum;Ljava/lang/Enum;)V
java/util/RegularEnumSet addAll()V
java/util/RegularEnumSet complement()V
java/util/RegularEnumSet iterator()Ljava/util/Iterator;
java/util/RegularEnumSet size()I
java/util/RegularEnumSet isEmpty()Z
java/util/RegularEnumSet contains(Ljava/lang/Object;)Z
java/util/RegularEnumSet add(Ljava/lang/Enum;)Z
java/util/RegularEnumSet
 remove(Ljava/lang/Object;)Z
java/util/RegularEnumSet containsAll(Ljava/util/Collection;)Z
java/util/RegularEnumSet addAll(Ljava/util/Collection;)Z
java/util/RegularEnumSet removeAll(Ljava/util/Collection;)Z
java/util/RegularEnumSet retainAll(Ljava/util/Collection;)Z
java/util/RegularEnumSet clear()V
java/util/RegularEnumSet equals(Ljava/lang/Object;)Z
java/util/RegularEnumSet add(Ljava/lang/Object;)Z
java/util/RegularEnumSet access$000(Ljava/util/RegularEnumSet;)J
java/util/RegularEnumSet access$022(Ljava/util/RegularEnumSet;J)J
class java/util/Scanner$1 sun/misc/LRUCache
java/util/Scanner$1 this$0
java/util/Scanner$1 <init>(Ljava/util/Scanner;I)V
java/util/Scanner$1 create(Ljava/lang/String;)Ljava/util/regex/Pattern;
java/util/Scanner$1 hasName(Ljava/util/regex/Pattern;Ljava/lang/String;)Z
java/util/Scanner$1 hasName(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/Scanner$1 create(Ljava/lang/Object;)Ljava/lang/Object;
class java/util/Scanner java/lang/Object
java/util/Scanner
 buf
java/util/Scanner BUFFER_SIZE
java/util/Scanner position
java/util/Scanner matcher
java/util/Scanner delimPattern
java/util/Scanner hasNextPattern
java/util/Scanner hasNextPosition
java/util/Scanner hasNextResult
java/util/Scanner source
java/util/Scanner sourceClosed
java/util/Scanner needInput
java/util/Scanner skipped
java/util/Scanner savedScannerPosition

java/util/Scanner typeCache
java/util/Scanner matchValid
java/util/Scanner closed
java/util/Scanner radix
java/util/Scanner defaultRadix
java/util/Scanner locale
java/util/Scanner patternCache
java/util/Scanner lastException
java/util/Scanner WHITESPACE_PATTERN
java/util/Scanner FIND_ANY_PATTERN
java/util/Scanner NON_ASCII_DIGIT
java/util/Scanner groupSeparator
java/util/Scanner decimalSeparator
java/util/Scanner nanString
java/util/Scanner infinityString
java/util/Scanner positivePrefix
java/util/Scanner negativePrefix
java/util/Scanner positiveSuffix
java/util/Scanner negativeSuffix
java/util/Scanner
boolPattern
java/util/Scanner BOOLEAN_PATTERN
java/util/Scanner integerPattern
java/util/Scanner digits
java/util/Scanner non0Digit
java/util/Scanner SIMPLE_GROUP_INDEX
java/util/Scanner separatorPattern
java/util/Scanner LINE_SEPARATOR_PATTERN
java/util/Scanner floatPattern
java/util/Scanner decimalPattern
java/util/Scanner boolPattern()Ljava/util/regex/Pattern;
java/util/Scanner buildIntegerPatternString()Ljava/lang/String;
java/util/Scanner integerPattern()Ljava/util/regex/Pattern;
java/util/Scanner separatorPattern()Ljava/util/regex/Pattern;
java/util/Scanner buildFloatAndDecimalPattern()V
java/util/Scanner floatPattern()Ljava/util/regex/Pattern;
java/util/Scanner decimalPattern()Ljava/util/regex/Pattern;
java/util/Scanner <init>(Ljava/lang/Readable;Ljava/util/regex/Pattern;)V
java/util/Scanner <init>(Ljava/lang/Readable;)V
java/util/Scanner <init>(Ljava/io/InputStream;)V
java/util/Scanner <init>(Ljava/io/InputStream;Ljava/lang/String;)V
java/util/Scanner makeReadable(Ljava/io/InputStream;Ljava/lang/String;)Ljava/lang/Readable;
java/util/Scanner
<init>(Ljava/io/File;)V
java/util/Scanner <init>(Ljava/io/File;Ljava/lang/String;)V
java/util/Scanner <init>(Ljava/lang/String;)V
java/util/Scanner <init>(Ljava/nio/channels/ReadableByteChannel;)V
java/util/Scanner makeReadable(Ljava/nio/channels/ReadableByteChannel;)Ljava/lang/Readable;

java/util/Scanner <init>(Ljava/nio/channels/ReadableByteChannel;Ljava/lang/String;)V
java/util/Scanner makeReadable(Ljava/nio/channels/ReadableByteChannel;Ljava/lang/String;)Ljava/lang/Readable;
java/util/Scanner saveState()V
java/util/Scanner revertState()V
java/util/Scanner revertState(Z)Z
java/util/Scanner cacheResult(Ljava/util/regex/Pattern;)V
java/util/Scanner clearCaches()V
java/util/Scanner getCachedResult()Ljava/lang/String;
java/util/Scanner useTypeCache()V
java/util/Scanner readInput()V
java/util/Scanner makeSpace()Z
java/util/Scanner translateSavedIndexes(I)V
java/util/Scanner throwFor()V
java/util/Scanner hasTokenInBuffer()Z
java/util/Scanner
getCompleteTokenInBuffer(Ljava/util/regex/Pattern;)Ljava/lang/String;
java/util/Scanner findPatternInBuffer(Ljava/util/regex/Pattern;I)Ljava/lang/String;
java/util/Scanner matchPatternInBuffer(Ljava/util/regex/Pattern;)Ljava/lang/String;
java/util/Scanner ensureOpen()V
java/util/Scanner close()V
java/util/Scanner ioException()Ljava/io/IOException;
java/util/Scanner delimiter()Ljava/util/regex/Pattern;
java/util/Scanner useDelimiter(Ljava/util/regex/Pattern;)Ljava/util/Scanner;
java/util/Scanner useDelimiter(Ljava/lang/String;)Ljava/util/Scanner;
java/util/Scanner locale()Ljava/util/Locale;
java/util/Scanner useLocale(Ljava/util/Locale;)Ljava/util/Scanner;
java/util/Scanner radix()I
java/util/Scanner useRadix(I)Ljava/util/Scanner;
java/util/Scanner setRadix(I)V
java/util/Scanner match()Ljava/util/regex/MatchResult;
java/util/Scanner toString()Ljava/lang/String;
java/util/Scanner hasNext()Z
java/util/Scanner next()Ljava/lang/String;
java/util/Scanner remove()V
java/util/Scanner
hasNext(Ljava/lang/String;)Z
java/util/Scanner next(Ljava/lang/String;)Ljava/lang/String;
java/util/Scanner hasNext(Ljava/util/regex/Pattern;)Z
java/util/Scanner next(Ljava/util/regex/Pattern;)Ljava/lang/String;
java/util/Scanner hasNextLine()Z
java/util/Scanner nextLine()Ljava/lang/String;
java/util/Scanner findInLine(Ljava/lang/String;)Ljava/lang/String;
java/util/Scanner findInLine(Ljava/util/regex/Pattern;)Ljava/lang/String;
java/util/Scanner findWithinHorizon(Ljava/lang/String;I)Ljava/lang/String;
java/util/Scanner findWithinHorizon(Ljava/util/regex/Pattern;I)Ljava/lang/String;
java/util/Scanner skip(Ljava/util/regex/Pattern;)Ljava/util/Scanner;
java/util/Scanner skip(Ljava/lang/String;)Ljava/util/Scanner;
java/util/Scanner hasNextBoolean()Z

java/util/Scanner nextBoolean()Z
java/util/Scanner hasNextByte()Z
java/util/Scanner hasNextByte(I)Z
java/util/Scanner nextByte()B
java/util/Scanner nextByte(I)B
java/util/Scanner hasNextShort()Z
java/util/Scanner hasNextShort(I)Z
java/util/Scanner
nextShort()S
java/util/Scanner nextShort(I)S
java/util/Scanner hasNextInt()Z
java/util/Scanner hasNextInt(I)Z
java/util/Scanner processIntegerToken(Ljava/lang/String;)Ljava/lang/String;
java/util/Scanner nextInt()I
java/util/Scanner nextInt(I)I
java/util/Scanner hasNextLong()Z
java/util/Scanner hasNextLong(I)Z
java/util/Scanner nextLong()J
java/util/Scanner nextLong(I)J
java/util/Scanner processFloatToken(Ljava/lang/String;)Ljava/lang/String;
java/util/Scanner hasNextFloat()Z
java/util/Scanner nextFloat()F
java/util/Scanner hasNextDouble()Z
java/util/Scanner nextDouble()D
java/util/Scanner hasNextBigInteger()Z
java/util/Scanner hasNextBigInteger(I)Z
java/util/Scanner nextBigInteger()Ljava/math/BigInteger;
java/util/Scanner nextBigInteger(I)Ljava/math/BigInteger;
java/util/Scanner hasNextBigDecimal()Z
java/util/Scanner nextBigDecimal()Ljava/math/BigDecimal;
java/util/Scanner next()Ljava/lang/Object;
java/util/Scanner <clinit>()V
class java/util/SimpleTimeZone java/util/TimeZone
java/util/SimpleTimeZone
startMonth
java/util/SimpleTimeZone startDay
java/util/SimpleTimeZone startDayOfWeek
java/util/SimpleTimeZone startTime
java/util/SimpleTimeZone startTimeMode
java/util/SimpleTimeZone endMonth
java/util/SimpleTimeZone endDay
java/util/SimpleTimeZone endDayOfWeek
java/util/SimpleTimeZone endTime
java/util/SimpleTimeZone endTimeMode
java/util/SimpleTimeZone startYear
java/util/SimpleTimeZone rawOffset
java/util/SimpleTimeZone useDaylight
java/util/SimpleTimeZone millisPerHour

java/util/SimpleTimeZone millisPerDay
java/util/SimpleTimeZone monthLength
java/util/SimpleTimeZone staticMonthLength
java/util/SimpleTimeZone staticLeapMonthLength
java/util/SimpleTimeZone startMode
java/util/SimpleTimeZone endMode
java/util/SimpleTimeZone dstSavings
java/util/SimpleTimeZone gcal
java/util/SimpleTimeZone cacheYear
java/util/SimpleTimeZone cacheStart
java/util/SimpleTimeZone cacheEnd
java/util/SimpleTimeZone DOM_MODE
java/util/SimpleTimeZone DOW_IN_MONTH_MODE
java/util/SimpleTimeZone
DOW_GE_DOM_MODE
java/util/SimpleTimeZone DOW_LE_DOM_MODE
java/util/SimpleTimeZone WALL_TIME
java/util/SimpleTimeZone STANDARD_TIME
java/util/SimpleTimeZone UTC_TIME
java/util/SimpleTimeZone serialVersionUID
java/util/SimpleTimeZone currentSerialVersion
java/util/SimpleTimeZone serialVersionOnStream
java/util/SimpleTimeZone <init>(ILjava/lang/String;)V
java/util/SimpleTimeZone <init>(ILjava/lang/String;IIIIIII)V
java/util/SimpleTimeZone <init>(ILjava/lang/String;IIIIIIII)V
java/util/SimpleTimeZone <init>(ILjava/lang/String;IIIIIIIII)V
java/util/SimpleTimeZone setStartYear(I)V
java/util/SimpleTimeZone setStartRule(IIII)V
java/util/SimpleTimeZone setStartRule(III)V
java/util/SimpleTimeZone setStartRule(IIIIZ)V
java/util/SimpleTimeZone setEndRule(IIII)V
java/util/SimpleTimeZone setEndRule(III)V
java/util/SimpleTimeZone setEndRule(IIIIZ)V
java/util/SimpleTimeZone getOffset(J)I
java/util/SimpleTimeZone getOffsets(J[I)I
java/util/SimpleTimeZone getOffset(IIIIII)I
java/util/SimpleTimeZone
getOffset(Lsun/util/calendar/BaseCalendar;Lsun/util/calendar/BaseCalendar$Date;IJ)I
java/util/SimpleTimeZone getStart(Lsun/util/calendar/BaseCalendar;Lsun/util/calendar/BaseCalendar$Date;I)J
java/util/SimpleTimeZone getEnd(Lsun/util/calendar/BaseCalendar;Lsun/util/calendar/BaseCalendar$Date;I)J
java/util/SimpleTimeZone
getTransition(Lsun/util/calendar/BaseCalendar;Lsun/util/calendar/BaseCalendar$Date;IIIIII)J
java/util/SimpleTimeZone getRawOffset()I
java/util/SimpleTimeZone setRawOffset(I)V
java/util/SimpleTimeZone setDSTSavings(I)V
java/util/SimpleTimeZone getDSTSavings()I
java/util/SimpleTimeZone useDaylightTime()Z
java/util/SimpleTimeZone inDaylightTime(Ljava/util/Date;)Z

java/util/SimpleTimeZone clone()Ljava/lang/Object;
java/util/SimpleTimeZone hashCode()I
java/util/SimpleTimeZone equals(Ljava/lang/Object;)Z
java/util/SimpleTimeZone hasSameRules(Ljava/util/TimeZone;)Z
java/util/SimpleTimeZone toString()Ljava/lang/String;
java/util/SimpleTimeZone invalidateCache()V
java/util/SimpleTimeZone
decodeRules()V
java/util/SimpleTimeZone decodeStartRule()V
java/util/SimpleTimeZone decodeEndRule()V
java/util/SimpleTimeZone makeRulesCompatible()V
java/util/SimpleTimeZone packRules()[B
java/util/SimpleTimeZone unpackRules([B)V
java/util/SimpleTimeZone packTimes()[I
java/util/SimpleTimeZone unpackTimes([I)V
java/util/SimpleTimeZone writeObject(Ljava/io/ObjectOutputStream;)V
java/util/SimpleTimeZone readObject(Ljava/io/ObjectInputStream;)V
java/util/SimpleTimeZone <clinit>()V
class java/util/TimeZone$DisplayNames java/lang/Object
java/util/TimeZone$DisplayNames CACHE
java/util/TimeZone$DisplayNames <init>()V
java/util/TimeZone$DisplayNames access$000()Ljava/util/Map;
java/util/TimeZone$DisplayNames <clinit>()V
class java/util/TooManyListenersException java/lang/Exception
java/util/TooManyListenersException <init>()V
java/util/TooManyListenersException <init>(Ljava/lang/String;)V
class java/util/TreeMap$3 java/util/AbstractSet
java/util/TreeMap$3 this$0
java/util/TreeMap$3
<init>(Ljava/util/TreeMap;)V
java/util/TreeMap$3 iterator()Ljava/util/Iterator;
java/util/TreeMap$3 contains(Ljava/lang/Object;)Z
java/util/TreeMap$3 remove(Ljava/lang/Object;)Z
java/util/TreeMap$3 size()I
java/util/TreeMap$3 clear()V
class java/util/TreeMap$EntryIterator java/util/TreeMap$PrivateEntryIterator
java/util/TreeMap$EntryIterator this$0
java/util/TreeMap$EntryIterator <init>(Ljava/util/TreeMap;)V
java/util/TreeMap$EntryIterator next()Ljava/util/Map$Entry;
java/util/TreeMap$EntryIterator next()Ljava/lang/Object;
java/util/TreeMap$EntryIterator <init>(Ljava/util/TreeMap;Ljava/util/TreeMap$1;)V
class java/util/TreeMap$SubMap$EntrySetView java/util/AbstractSet
java/util/TreeMap$SubMap$EntrySetView size
java/util/TreeMap$SubMap$EntrySetView sizeModCount
java/util/TreeMap$SubMap$EntrySetView this$1
java/util/TreeMap$SubMap$EntrySetView <init>(Ljava/util/TreeMap$SubMap;)V
java/util/TreeMap$SubMap$EntrySetView size()I
java/util/TreeMap$SubMap$EntrySetView isEmpty()Z

java/util/TreeMap$SubMap$EntrySetView
contains(Ljava/lang/Object;)Z
java/util/TreeMap$SubMap$EntrySetView remove(Ljava/lang/Object;)Z
java/util/TreeMap$SubMap$EntrySetView iterator()Ljava/util/Iterator;
java/util/TreeMap$SubMap$EntrySetView <init>(Ljava/util/TreeMap$SubMap;Ljava/util/TreeMap$1;)V
class java/util/TreeMap$SubMap java/util/AbstractMap
java/util/TreeMap$SubMap serialVersionUID
java/util/TreeMap$SubMap fromStart
java/util/TreeMap$SubMap toEnd
java/util/TreeMap$SubMap fromKey
java/util/TreeMap$SubMap toKey
java/util/TreeMap$SubMap entrySet
java/util/TreeMap$SubMap this$0
java/util/TreeMap$SubMap <init>(Ljava/util/TreeMap;Ljava/lang/Object;Ljava/lang/Object;)V
java/util/TreeMap$SubMap <init>(Ljava/util/TreeMap;Ljava/lang/Object;Z)V
java/util/TreeMap$SubMap <init>(Ljava/util/TreeMap;ZLjava/lang/Object;ZLjava/lang/Object;)V
java/util/TreeMap$SubMap isEmpty()Z
java/util/TreeMap$SubMap containsKey(Ljava/lang/Object;)Z
java/util/TreeMap$SubMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/TreeMap$SubMap
put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/TreeMap$SubMap comparator()Ljava/util/Comparator;
java/util/TreeMap$SubMap firstKey()Ljava/lang/Object;
java/util/TreeMap$SubMap lastKey()Ljava/lang/Object;
java/util/TreeMap$SubMap entrySet()Ljava/util/Set;
java/util/TreeMap$SubMap subMap(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/TreeMap$SubMap headMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/TreeMap$SubMap tailMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/TreeMap$SubMap inRange(Ljava/lang/Object;)Z
java/util/TreeMap$SubMap inRange2(Ljava/lang/Object;)Z
java/util/TreeMap$SubMap access$1700(Ljava/util/TreeMap$SubMap;Ljava/lang/Object;)Z
java/util/TreeMap$SubMap access$1800(Ljava/util/TreeMap$SubMap;)Z
java/util/TreeMap$SubMap access$1900(Ljava/util/TreeMap$SubMap;)Ljava/lang/Object;
java/util/TreeMap$SubMap access$2000(Ljava/util/TreeMap$SubMap;)Z
java/util/TreeMap$SubMap access$2100(Ljava/util/TreeMap$SubMap;)Ljava/lang/Object;
class
java/util/TreeMap$SubMapEntryIterator java/util/TreeMap$PrivateEntryIterator
java/util/TreeMap$SubMapEntryIterator firstExcludedKey
java/util/TreeMap$SubMapEntryIterator this$0
java/util/TreeMap$SubMapEntryIterator
<init>(Ljava/util/TreeMap;Ljava/util/TreeMap$Entry;Ljava/util/TreeMap$Entry;)V
java/util/TreeMap$SubMapEntryIterator hasNext()Z
java/util/TreeMap$SubMapEntryIterator next()Ljava/util/Map$Entry;
java/util/TreeMap$SubMapEntryIterator next()Ljava/lang/Object;
class java/util/UUID java/lang/Object
java/util/UUID serialVersionUID
java/util/UUID mostSigBits
java/util/UUID leastSigBits

java/util/UUID version
java/util/UUID variant
java/util/UUID timestamp
java/util/UUID sequence
java/util/UUID node
java/util/UUID hashCode
java/util/UUID numberGenerator
java/util/UUID $assertionsDisabled
java/util/UUID <init>([B)V
java/util/UUID <init>(JJ)V
java/util/UUID randomUUID()Ljava/util/UUID;
java/util/UUID nameUUIDFromBytes([B)Ljava/util/UUID;
java/util/UUID
fromString(Ljava/lang/String;)Ljava/util/UUID;
java/util/UUID getLeastSignificantBits()J
java/util/UUID getMostSignificantBits()J
java/util/UUID version()I
java/util/UUID variant()I
java/util/UUID timestamp()J
java/util/UUID clockSequence()I
java/util/UUID node()J
java/util/UUID toString()Ljava/lang/String;
java/util/UUID digits(JI)Ljava/lang/String;
java/util/UUID hashCode()I
java/util/UUID equals(Ljava/lang/Object;)Z
java/util/UUID compareTo(Ljava/util/UUID;)I
java/util/UUID readObject(Ljava/io/ObjectInputStream;)V
java/util/UUID compareTo(Ljava/lang/Object;)I
java/util/UUID <clinit>()V
class java/util/UnknownFormatConversionException java/util/IllegalFormatException
java/util/UnknownFormatConversionException serialVersionUID
java/util/UnknownFormatConversionException s
java/util/UnknownFormatConversionException <init>(Ljava/lang/String;)V
java/util/UnknownFormatConversionException getConversion()Ljava/lang/String;
java/util/UnknownFormatConversionException getMessage()Ljava/lang/String;
class
java/util/UnknownFormatFlagsException java/util/IllegalFormatException
java/util/UnknownFormatFlagsException serialVersionUID
java/util/UnknownFormatFlagsException flags
java/util/UnknownFormatFlagsException <init>(Ljava/lang/String;)V
java/util/UnknownFormatFlagsException getFlags()Ljava/lang/String;
java/util/UnknownFormatFlagsException getMessage()Ljava/lang/String;
class java/util/WeakHashMap$1 java/lang/Object
class java/util/WeakHashMap$ValueIterator java/util/WeakHashMap$HashIterator
java/util/WeakHashMap$ValueIterator this$0
java/util/WeakHashMap$ValueIterator <init>(Ljava/util/WeakHashMap;)V
java/util/WeakHashMap$ValueIterator next()Ljava/lang/Object;
java/util/WeakHashMap$ValueIterator <init>(Ljava/util/WeakHashMap;Ljava/util/WeakHashMap$1;)V

class java/util/WeakHashMap$Values java/util/AbstractCollection
java/util/WeakHashMap$Values this$0
java/util/WeakHashMap$Values <init>(Ljava/util/WeakHashMap;)V
java/util/WeakHashMap$Values iterator()Ljava/util/Iterator;
java/util/WeakHashMap$Values
 size()I
java/util/WeakHashMap$Values contains(Ljava/lang/Object;)Z
java/util/WeakHashMap$Values clear()V
java/util/WeakHashMap$Values toArray()[Ljava/lang/Object;
java/util/WeakHashMap$Values toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/WeakHashMap$Values <init>(Ljava/util/WeakHashMap;Ljava/util/WeakHashMap$1;)V
class java/util/XMLUtils$1 java/lang/Object
class java/util/XMLUtils$EH java/lang/Object
java/util/XMLUtils$EH <init>()V
java/util/XMLUtils$EH error(Lorg/xml/sax/SAXParseException;)V
java/util/XMLUtils$EH fatalError(Lorg/xml/sax/SAXParseException;)V
java/util/XMLUtils$EH warning(Lorg/xml/sax/SAXParseException;)V
java/util/XMLUtils$EH <init>(Ljava/util/XMLUtils$1;)V
class java/util/XMLUtils$Resolver java/lang/Object
java/util/XMLUtils$Resolver <init>()V
java/util/XMLUtils$Resolver resolveEntity(Ljava/lang/String;Ljava/lang/String;)Lorg/xml/sax/InputSource;
java/util/XMLUtils$Resolver <init>(Ljava/util/XMLUtils$1;)V
class java/util/XMLUtils
 java/lang/Object
java/util/XMLUtils PROPS_DTD_URI
java/util/XMLUtils PROPS_DTD
java/util/XMLUtils EXTERNAL_XML_VERSION
java/util/XMLUtils $assertionsDisabled
java/util/XMLUtils <init>()V
java/util/XMLUtils load(Ljava/util/Properties;Ljava/io/InputStream;)V
java/util/XMLUtils getLoadingDoc(Ljava/io/InputStream;)Lorg/w3c/dom/Document;
java/util/XMLUtils importProperties(Ljava/util/Properties;Lorg/w3c/dom/Element;)V
java/util/XMLUtils save(Ljava/util/Properties;Ljava/io/OutputStream;Ljava/lang/String;Ljava/lang/String;)V
java/util/XMLUtils emitDocument(Lorg/w3c/dom/Document;Ljava/io/OutputStream;Ljava/lang/String;)V
java/util/XMLUtils <clinit>()V
class java/util/concurrent/AbstractExecutorService java/lang/Object
java/util/concurrent/AbstractExecutorService $assertionsDisabled
java/util/concurrent/AbstractExecutorService <init>()V
java/util/concurrent/AbstractExecutorService submit(Ljava/lang/Runnable;)Ljava/util/concurrent/Future;
java/util/concurrent/AbstractExecutorService
 submit(Ljava/lang/Runnable;Ljava/lang/Object;)Ljava/util/concurrent/Future;
java/util/concurrent/AbstractExecutorService submit(Ljava/util/concurrent/Callable;)Ljava/util/concurrent/Future;
java/util/concurrent/AbstractExecutorService doInvokeAny(Ljava/util/Collection;ZJ)Ljava/lang/Object;
java/util/concurrent/AbstractExecutorService invokeAny(Ljava/util/Collection;)Ljava/lang/Object;
java/util/concurrent/AbstractExecutorService
invokeAny(Ljava/util/Collection;JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/AbstractExecutorService invokeAll(Ljava/util/Collection;)Ljava/util/List;
java/util/concurrent/AbstractExecutorService

invokeAll(Ljava/util/Collection;JLjava/util/concurrent/TimeUnit;)Ljava/util/List;
java/util/concurrent/AbstractExecutorService <clinit>()V
class java/util/concurrent/ArrayBlockingQueue$Itr java/lang/Object
java/util/concurrent/ArrayBlockingQueue$Itr nextIndex
java/util/concurrent/ArrayBlockingQueue$Itr nextItem
java/util/concurrent/ArrayBlockingQueue$Itr
 lastRet
java/util/concurrent/ArrayBlockingQueue$Itr this$0
java/util/concurrent/ArrayBlockingQueue$Itr <init>(Ljava/util/concurrent/ArrayBlockingQueue;)V
java/util/concurrent/ArrayBlockingQueue$Itr hasNext()Z
java/util/concurrent/ArrayBlockingQueue$Itr checkNext()V
java/util/concurrent/ArrayBlockingQueue$Itr next()Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue$Itr remove()V
class java/util/concurrent/ArrayBlockingQueue java/util/AbstractQueue
java/util/concurrent/ArrayBlockingQueue serialVersionUID
java/util/concurrent/ArrayBlockingQueue items
java/util/concurrent/ArrayBlockingQueue takeIndex
java/util/concurrent/ArrayBlockingQueue putIndex
java/util/concurrent/ArrayBlockingQueue count
java/util/concurrent/ArrayBlockingQueue lock
java/util/concurrent/ArrayBlockingQueue notEmpty
java/util/concurrent/ArrayBlockingQueue notFull
java/util/concurrent/ArrayBlockingQueue inc(I)I
java/util/concurrent/ArrayBlockingQueue insert(Ljava/lang/Object;)V
java/util/concurrent/ArrayBlockingQueue
 extract()Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue removeAt(I)V
java/util/concurrent/ArrayBlockingQueue <init>(I)V
java/util/concurrent/ArrayBlockingQueue <init>(IZ)V
java/util/concurrent/ArrayBlockingQueue <init>(IZLjava/util/Collection;)V
java/util/concurrent/ArrayBlockingQueue offer(Ljava/lang/Object;)Z
java/util/concurrent/ArrayBlockingQueue offer(Ljava/lang/Object;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/ArrayBlockingQueue poll()Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue poll(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue remove(Ljava/lang/Object;)Z
java/util/concurrent/ArrayBlockingQueue peek()Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue take()Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue put(Ljava/lang/Object;)V
java/util/concurrent/ArrayBlockingQueue size()I
java/util/concurrent/ArrayBlockingQueue remainingCapacity()I
java/util/concurrent/ArrayBlockingQueue
 contains(Ljava/lang/Object;)Z
java/util/concurrent/ArrayBlockingQueue toArray()[Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue toString()Ljava/lang/String;
java/util/concurrent/ArrayBlockingQueue clear()V
java/util/concurrent/ArrayBlockingQueue drainTo(Ljava/util/Collection;)I
java/util/concurrent/ArrayBlockingQueue drainTo(Ljava/util/Collection;I)I

java/util/concurrent/ArrayBlockingQueue iterator()Ljava/util/Iterator;
java/util/concurrent/ArrayBlockingQueue access$000(Ljava/util/concurrent/ArrayBlockingQueue;)I
java/util/concurrent/ArrayBlockingQueue access$100(Ljava/util/concurrent/ArrayBlockingQueue;)I
java/util/concurrent/ArrayBlockingQueue
access$200(Ljava/util/concurrent/ArrayBlockingQueue;)[Ljava/lang/Object;
java/util/concurrent/ArrayBlockingQueue access$300(Ljava/util/concurrent/ArrayBlockingQueue;)I
java/util/concurrent/ArrayBlockingQueue
access$400(Ljava/util/concurrent/ArrayBlockingQueue;)Ljava/util/concurrent/locks/ReentrantLock;
class
java/util/concurrent/BlockingQueue java/lang/Object
java/util/concurrent/BlockingQueue offer(Ljava/lang/Object;)Z
java/util/concurrent/BlockingQueue offer(Ljava/lang/Object;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/BlockingQueue poll(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/BlockingQueue take()Ljava/lang/Object;
java/util/concurrent/BlockingQueue put(Ljava/lang/Object;)V
java/util/concurrent/BlockingQueue remainingCapacity()I
java/util/concurrent/BlockingQueue add(Ljava/lang/Object;)Z
java/util/concurrent/BlockingQueue drainTo(Ljava/util/Collection;)I
java/util/concurrent/BlockingQueue drainTo(Ljava/util/Collection;I)I
class java/util/concurrent/BrokenBarrierException java/lang/Exception
java/util/concurrent/BrokenBarrierException serialVersionUID
java/util/concurrent/BrokenBarrierException <init>()V
java/util/concurrent/BrokenBarrierException <init>(Ljava/lang/String;)V
class
java/util/concurrent/Callable java/lang/Object
java/util/concurrent/Callable call()Ljava/lang/Object;
class java/util/concurrent/CancellationException java/lang/IllegalStateException
java/util/concurrent/CancellationException serialVersionUID
java/util/concurrent/CancellationException <init>()V
java/util/concurrent/CancellationException <init>(Ljava/lang/String;)V
class java/util/concurrent/CompletionService java/lang/Object
java/util/concurrent/CompletionService submit(Ljava/util/concurrent/Callable;)Ljava/util/concurrent/Future;
java/util/concurrent/CompletionService
submit(Ljava/lang/Runnable;Ljava/lang/Object;)Ljava/util/concurrent/Future;
java/util/concurrent/CompletionService take()Ljava/util/concurrent/Future;
java/util/concurrent/CompletionService poll()Ljava/util/concurrent/Future;
java/util/concurrent/CompletionService poll(JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/Future;
class java/util/concurrent/ConcurrentHashMap$EntryIterator java/util/concurrent/ConcurrentHashMap$HashIterator
java/util/concurrent/ConcurrentHashMap$EntryIterator
this$0
java/util/concurrent/ConcurrentHashMap$EntryIterator <init>(Ljava/util/concurrent/ConcurrentHashMap;)V
java/util/concurrent/ConcurrentHashMap$EntryIterator next()Ljava/util/Map$Entry;
java/util/concurrent/ConcurrentHashMap$EntryIterator getKey()Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$EntryIterator getValue()Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$EntryIterator setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$EntryIterator equals(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$EntryIterator hashCode()I
java/util/concurrent/ConcurrentHashMap$EntryIterator toString()Ljava/lang/String;

java/util/concurrent/ConcurrentHashMap$EntryIterator eq(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$EntryIterator next()Ljava/lang/Object;
class java/util/concurrent/ConcurrentHashMap$EntrySet java/util/AbstractSet
java/util/concurrent/ConcurrentHashMap$EntrySet
 this$0
java/util/concurrent/ConcurrentHashMap$EntrySet <init>(Ljava/util/concurrent/ConcurrentHashMap;)V
java/util/concurrent/ConcurrentHashMap$EntrySet iterator()Ljava/util/Iterator;
java/util/concurrent/ConcurrentHashMap$EntrySet contains(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$EntrySet remove(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$EntrySet size()I
java/util/concurrent/ConcurrentHashMap$EntrySet clear()V
java/util/concurrent/ConcurrentHashMap$EntrySet toArray()[Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$EntrySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;
class java/util/concurrent/ConcurrentHashMap$HashIterator java/lang/Object
java/util/concurrent/ConcurrentHashMap$HashIterator nextSegmentIndex
java/util/concurrent/ConcurrentHashMap$HashIterator nextTableIndex
java/util/concurrent/ConcurrentHashMap$HashIterator currentTable
java/util/concurrent/ConcurrentHashMap$HashIterator
 nextEntry
java/util/concurrent/ConcurrentHashMap$HashIterator lastReturned
java/util/concurrent/ConcurrentHashMap$HashIterator this$0
java/util/concurrent/ConcurrentHashMap$HashIterator <init>(Ljava/util/concurrent/ConcurrentHashMap;)V
java/util/concurrent/ConcurrentHashMap$HashIterator hasMoreElements()Z
java/util/concurrent/ConcurrentHashMap$HashIterator advance()V
java/util/concurrent/ConcurrentHashMap$HashIterator hasNext()Z
java/util/concurrent/ConcurrentHashMap$HashIterator
nextEntry()Ljava/util/concurrent/ConcurrentHashMap$HashEntry;
java/util/concurrent/ConcurrentHashMap$HashIterator remove()V
class java/util/concurrent/ConcurrentHashMap$KeyIterator java/util/concurrent/ConcurrentHashMap$HashIterator
java/util/concurrent/ConcurrentHashMap$KeyIterator this$0
java/util/concurrent/ConcurrentHashMap$KeyIterator <init>(Ljava/util/concurrent/ConcurrentHashMap;)V
java/util/concurrent/ConcurrentHashMap$KeyIterator next()Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$KeyIterator
 nextElement()Ljava/lang/Object;
class java/util/concurrent/ConcurrentHashMap$KeySet java/util/AbstractSet
java/util/concurrent/ConcurrentHashMap$KeySet this$0
java/util/concurrent/ConcurrentHashMap$KeySet <init>(Ljava/util/concurrent/ConcurrentHashMap;)V
java/util/concurrent/ConcurrentHashMap$KeySet iterator()Ljava/util/Iterator;
java/util/concurrent/ConcurrentHashMap$KeySet size()I
java/util/concurrent/ConcurrentHashMap$KeySet contains(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$KeySet remove(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$KeySet clear()V
java/util/concurrent/ConcurrentHashMap$KeySet toArray()[Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$KeySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;
class java/util/concurrent/ConcurrentHashMap$SimpleEntry java/lang/Object
java/util/concurrent/ConcurrentHashMap$SimpleEntry key
java/util/concurrent/ConcurrentHashMap$SimpleEntry value
java/util/concurrent/ConcurrentHashMap$SimpleEntry

<init>(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/concurrent/ConcurrentHashMap$SimpleEntry <init>(Ljava/util/Map$Entry;)V
java/util/concurrent/ConcurrentHashMap$SimpleEntry getKey()Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$SimpleEntry getValue()Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$SimpleEntry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$SimpleEntry equals(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$SimpleEntry hashCode()I
java/util/concurrent/ConcurrentHashMap$SimpleEntry toString()Ljava/lang/String;
java/util/concurrent/ConcurrentHashMap$SimpleEntry eq(Ljava/lang/Object;Ljava/lang/Object;)Z
class java/util/concurrent/ConcurrentHashMap$ValueIterator java/util/concurrent/ConcurrentHashMap$HashIterator
java/util/concurrent/ConcurrentHashMap$ValueIterator this$0
java/util/concurrent/ConcurrentHashMap$ValueIterator <init>(Ljava/util/concurrent/ConcurrentHashMap;)V
java/util/concurrent/ConcurrentHashMap$ValueIterator
next()Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$ValueIterator nextElement()Ljava/lang/Object;
class java/util/concurrent/ConcurrentHashMap$Values java/util/AbstractCollection
java/util/concurrent/ConcurrentHashMap$Values this$0
java/util/concurrent/ConcurrentHashMap$Values <init>(Ljava/util/concurrent/ConcurrentHashMap;)V
java/util/concurrent/ConcurrentHashMap$Values iterator()Ljava/util/Iterator;
java/util/concurrent/ConcurrentHashMap$Values size()I
java/util/concurrent/ConcurrentHashMap$Values contains(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$Values clear()V
java/util/concurrent/ConcurrentHashMap$Values toArray()[Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$Values toArray([Ljava/lang/Object;)[Ljava/lang/Object;
class java/util/concurrent/ConcurrentLinkedQueue$Itr java/lang/Object
java/util/concurrent/ConcurrentLinkedQueue$Itr nextNode
java/util/concurrent/ConcurrentLinkedQueue$Itr nextItem
java/util/concurrent/ConcurrentLinkedQueue$Itr
lastRet
java/util/concurrent/ConcurrentLinkedQueue$Itr this$0
java/util/concurrent/ConcurrentLinkedQueue$Itr <init>(Ljava/util/concurrent/ConcurrentLinkedQueue;)V
java/util/concurrent/ConcurrentLinkedQueue$Itr advance()Ljava/lang/Object;
java/util/concurrent/ConcurrentLinkedQueue$Itr hasNext()Z
java/util/concurrent/ConcurrentLinkedQueue$Itr next()Ljava/lang/Object;
java/util/concurrent/ConcurrentLinkedQueue$Itr remove()V
class java/util/concurrent/ConcurrentLinkedQueue$Node java/lang/Object
java/util/concurrent/ConcurrentLinkedQueue$Node item
java/util/concurrent/ConcurrentLinkedQueue$Node next
java/util/concurrent/ConcurrentLinkedQueue$Node nextUpdater
java/util/concurrent/ConcurrentLinkedQueue$Node itemUpdater
java/util/concurrent/ConcurrentLinkedQueue$Node <init>(Ljava/lang/Object;)V
java/util/concurrent/ConcurrentLinkedQueue$Node
<init>(Ljava/lang/Object;Ljava/util/concurrent/ConcurrentLinkedQueue$Node;)V
java/util/concurrent/ConcurrentLinkedQueue$Node
getItem()Ljava/lang/Object;
java/util/concurrent/ConcurrentLinkedQueue$Node casItem(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentLinkedQueue$Node setItem(Ljava/lang/Object;)V
java/util/concurrent/ConcurrentLinkedQueue$Node getNext()Ljava/util/concurrent/ConcurrentLinkedQueue$Node;

java/util/concurrent/ConcurrentLinkedQueue$Node
casNext(Ljava/util/concurrent/ConcurrentLinkedQueue$Node;Ljava/util/concurrent/ConcurrentLinkedQueue$Node;
)Z
java/util/concurrent/ConcurrentLinkedQueue$Node
setNext(Ljava/util/concurrent/ConcurrentLinkedQueue$Node;)V
java/util/concurrent/ConcurrentLinkedQueue$Node <clinit>()V
class java/util/concurrent/ConcurrentLinkedQueue java/util/AbstractQueue
java/util/concurrent/ConcurrentLinkedQueue serialVersionUID
java/util/concurrent/ConcurrentLinkedQueue tailUpdater
java/util/concurrent/ConcurrentLinkedQueue headUpdater
java/util/concurrent/ConcurrentLinkedQueue head
java/util/concurrent/ConcurrentLinkedQueue tail
java/util/concurrent/ConcurrentLinkedQueue
casTail(Ljava/util/concurrent/ConcurrentLinkedQueue$Node;Ljava/util/concurrent/ConcurrentLinkedQueue$Node;)
Z
java/util/concurrent/ConcurrentLinkedQueue
casHead(Ljava/util/concurrent/ConcurrentLinkedQueue$Node;Ljava/util/concurrent/ConcurrentLinkedQueue$Node
;)Z
java/util/concurrent/ConcurrentLinkedQueue <init>()V
java/util/concurrent/ConcurrentLinkedQueue <init>(Ljava/util/Collection;)V
java/util/concurrent/ConcurrentLinkedQueue add(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentLinkedQueue offer(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentLinkedQueue poll()Ljava/lang/Object;
java/util/concurrent/ConcurrentLinkedQueue peek()Ljava/lang/Object;
java/util/concurrent/ConcurrentLinkedQueue first()Ljava/util/concurrent/ConcurrentLinkedQueue$Node;
java/util/concurrent/ConcurrentLinkedQueue isEmpty()Z
java/util/concurrent/ConcurrentLinkedQueue size()I
java/util/concurrent/ConcurrentLinkedQueue contains(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentLinkedQueue
remove(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentLinkedQueue toArray()[Ljava/lang/Object;
java/util/concurrent/ConcurrentLinkedQueue toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/ConcurrentLinkedQueue iterator()Ljava/util/Iterator;
java/util/concurrent/ConcurrentLinkedQueue writeObject(Ljava/io/ObjectOutputStream;)V
java/util/concurrent/ConcurrentLinkedQueue readObject(Ljava/io/ObjectInputStream;)V
java/util/concurrent/ConcurrentLinkedQueue <clinit>()V
class java/util/concurrent/CopyOnWriteArrayList$1 java/lang/Object
class java/util/concurrent/CopyOnWriteArrayList$COWIterator java/lang/Object
java/util/concurrent/CopyOnWriteArrayList$COWIterator array
java/util/concurrent/CopyOnWriteArrayList$COWIterator cursor
java/util/concurrent/CopyOnWriteArrayList$COWIterator <init>([Ljava/lang/Object;I)V
java/util/concurrent/CopyOnWriteArrayList$COWIterator hasNext()Z
java/util/concurrent/CopyOnWriteArrayList$COWIterator hasPrevious()Z
java/util/concurrent/CopyOnWriteArrayList$COWIterator
next()Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList$COWIterator previous()Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList$COWIterator nextIndex()I
java/util/concurrent/CopyOnWriteArrayList$COWIterator previousIndex()I

java/util/concurrent/CopyOnWriteArrayList$COWIterator remove()V
java/util/concurrent/CopyOnWriteArrayList$COWIterator set(Ljava/lang/Object;)V
java/util/concurrent/CopyOnWriteArrayList$COWIterator add(Ljava/lang/Object;)V
java/util/concurrent/CopyOnWriteArrayList$COWIterator
<init>([Ljava/lang/Object;ILjava/util/concurrent/CopyOnWriteArrayList$1;)V
class java/util/concurrent/CopyOnWriteArrayList$COWSubList java/util/AbstractList
java/util/concurrent/CopyOnWriteArrayList$COWSubList l
java/util/concurrent/CopyOnWriteArrayList$COWSubList offset
java/util/concurrent/CopyOnWriteArrayList$COWSubList size
java/util/concurrent/CopyOnWriteArrayList$COWSubList expectedArray
java/util/concurrent/CopyOnWriteArrayList$COWSubList
<init>(Ljava/util/concurrent/CopyOnWriteArrayList;II)V
java/util/concurrent/CopyOnWriteArrayList$COWSubList checkForComodification()V
java/util/concurrent/CopyOnWriteArrayList$COWSubList rangeCheck(I)V
java/util/concurrent/CopyOnWriteArrayList$COWSubList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList$COWSubList get(I)Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList$COWSubList size()I
java/util/concurrent/CopyOnWriteArrayList$COWSubList add(ILjava/lang/Object;)V
java/util/concurrent/CopyOnWriteArrayList$COWSubList clear()V
java/util/concurrent/CopyOnWriteArrayList$COWSubList remove(I)Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList$COWSubList iterator()Ljava/util/Iterator;
java/util/concurrent/CopyOnWriteArrayList$COWSubList listIterator(I)Ljava/util/ListIterator;
java/util/concurrent/CopyOnWriteArrayList$COWSubList subList(II)Ljava/util/List;
java/util/concurrent/CopyOnWriteArrayList$COWSubList
<init>(Ljava/util/concurrent/CopyOnWriteArrayList;IILjava/util/concurrent/CopyOnWriteArrayList$1;)V
class
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator java/lang/Object
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator i
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator index
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator offset
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator size
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator <init>(Ljava/util/List;III)V
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator hasNext()Z
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator next()Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator hasPrevious()Z
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator previous()Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator nextIndex()I
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator previousIndex()I
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator
remove()V
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator set(Ljava/lang/Object;)V
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator add(Ljava/lang/Object;)V
java/util/concurrent/CopyOnWriteArrayList$COWSubListIterator
<init>(Ljava/util/List;IIILjava/util/concurrent/CopyOnWriteArrayList$1;)V
class java/util/concurrent/CopyOnWriteArrayList java/lang/Object
java/util/concurrent/CopyOnWriteArrayList serialVersionUID
java/util/concurrent/CopyOnWriteArrayList array
java/util/concurrent/CopyOnWriteArrayList array()[Ljava/lang/Object;

java/util/concurrent/CopyOnWriteArrayList <init>()V
java/util/concurrent/CopyOnWriteArrayList <init>(Ljava/util/Collection;)V
java/util/concurrent/CopyOnWriteArrayList <init>([Ljava/lang/Object;)V
java/util/concurrent/CopyOnWriteArrayList copyIn([Ljava/lang/Object;II)V
java/util/concurrent/CopyOnWriteArrayList size()I
java/util/concurrent/CopyOnWriteArrayList isEmpty()Z
java/util/concurrent/CopyOnWriteArrayList
contains(Ljava/lang/Object;)Z
java/util/concurrent/CopyOnWriteArrayList indexOf(Ljava/lang/Object;)I
java/util/concurrent/CopyOnWriteArrayList indexOf(Ljava/lang/Object;[Ljava/lang/Object;I)I
java/util/concurrent/CopyOnWriteArrayList indexOf(Ljava/lang/Object;I)I
java/util/concurrent/CopyOnWriteArrayList lastIndexOf(Ljava/lang/Object;)I
java/util/concurrent/CopyOnWriteArrayList lastIndexOf(Ljava/lang/Object;[Ljava/lang/Object;I)I
java/util/concurrent/CopyOnWriteArrayList lastIndexOf(Ljava/lang/Object;I)I
java/util/concurrent/CopyOnWriteArrayList clone()Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList toArray()[Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList get(I)Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList add(Ljava/lang/Object;)Z
java/util/concurrent/CopyOnWriteArrayList
add(ILjava/lang/Object;)V
java/util/concurrent/CopyOnWriteArrayList remove(I)Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList remove(Ljava/lang/Object;)Z
java/util/concurrent/CopyOnWriteArrayList removeRange(II)V
java/util/concurrent/CopyOnWriteArrayList addIfAbsent(Ljava/lang/Object;)Z
java/util/concurrent/CopyOnWriteArrayList containsAll(Ljava/util/Collection;)Z
java/util/concurrent/CopyOnWriteArrayList removeAll(Ljava/util/Collection;)Z
java/util/concurrent/CopyOnWriteArrayList retainAll(Ljava/util/Collection;)Z
java/util/concurrent/CopyOnWriteArrayList addAllAbsent(Ljava/util/Collection;)I
java/util/concurrent/CopyOnWriteArrayList clear()V
java/util/concurrent/CopyOnWriteArrayList addAll(Ljava/util/Collection;)Z
java/util/concurrent/CopyOnWriteArrayList addAll(ILjava/util/Collection;)Z
java/util/concurrent/CopyOnWriteArrayList rangeCheck(II)V
java/util/concurrent/CopyOnWriteArrayList writeObject(Ljava/io/ObjectOutputStream;)V
java/util/concurrent/CopyOnWriteArrayList
readObject(Ljava/io/ObjectInputStream;)V
java/util/concurrent/CopyOnWriteArrayList toString()Ljava/lang/String;
java/util/concurrent/CopyOnWriteArrayList equals(Ljava/lang/Object;)Z
java/util/concurrent/CopyOnWriteArrayList hashCode()I
java/util/concurrent/CopyOnWriteArrayList iterator()Ljava/util/Iterator;
java/util/concurrent/CopyOnWriteArrayList listIterator()Ljava/util/ListIterator;
java/util/concurrent/CopyOnWriteArrayList listIterator(I)Ljava/util/ListIterator;
java/util/concurrent/CopyOnWriteArrayList subList(II)Ljava/util/List;
java/util/concurrent/CopyOnWriteArrayList
access$200(Ljava/util/concurrent/CopyOnWriteArrayList;)[Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArrayList
access$300(Ljava/util/concurrent/CopyOnWriteArrayList;)[Ljava/lang/Object;

java/util/concurrent/CopyOnWriteArrayList access$400(Ljava/util/concurrent/CopyOnWriteArrayList;II)V
class java/util/concurrent/CopyOnWriteArraySet java/util/AbstractSet
java/util/concurrent/CopyOnWriteArraySet
 serialVersionUID
java/util/concurrent/CopyOnWriteArraySet al
java/util/concurrent/CopyOnWriteArraySet <init>()V
java/util/concurrent/CopyOnWriteArraySet <init>(Ljava/util/Collection;)V
java/util/concurrent/CopyOnWriteArraySet size()I
java/util/concurrent/CopyOnWriteArraySet isEmpty()Z
java/util/concurrent/CopyOnWriteArraySet contains(Ljava/lang/Object;)Z
java/util/concurrent/CopyOnWriteArraySet toArray()[Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArraySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/CopyOnWriteArraySet clear()V
java/util/concurrent/CopyOnWriteArraySet iterator()Ljava/util/Iterator;
java/util/concurrent/CopyOnWriteArraySet remove(Ljava/lang/Object;)Z
java/util/concurrent/CopyOnWriteArraySet add(Ljava/lang/Object;)Z
java/util/concurrent/CopyOnWriteArraySet containsAll(Ljava/util/Collection;)Z
java/util/concurrent/CopyOnWriteArraySet addAll(Ljava/util/Collection;)Z
java/util/concurrent/CopyOnWriteArraySet removeAll(Ljava/util/Collection;)Z
java/util/concurrent/CopyOnWriteArraySet
 retainAll(Ljava/util/Collection;)Z
class java/util/concurrent/CountDownLatch$Sync java/util/concurrent/locks/AbstractQueuedSynchronizer
java/util/concurrent/CountDownLatch$Sync <init>(I)V
java/util/concurrent/CountDownLatch$Sync getCount()I
java/util/concurrent/CountDownLatch$Sync tryAcquireShared(I)I
java/util/concurrent/CountDownLatch$Sync tryReleaseShared(I)Z
class java/util/concurrent/CountDownLatch java/lang/Object
java/util/concurrent/CountDownLatch sync
java/util/concurrent/CountDownLatch <init>(I)V
java/util/concurrent/CountDownLatch await()V
java/util/concurrent/CountDownLatch await(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/CountDownLatch countDown()V
java/util/concurrent/CountDownLatch getCount()J
java/util/concurrent/CountDownLatch toString()Ljava/lang/String;
class java/util/concurrent/CyclicBarrier$1 java/lang/Object
class java/util/concurrent/CyclicBarrier$Generation java/lang/Object
java/util/concurrent/CyclicBarrier$Generation
 broken
java/util/concurrent/CyclicBarrier$Generation <init>()V
java/util/concurrent/CyclicBarrier$Generation <init>(Ljava/util/concurrent/CyclicBarrier$1;)V
class java/util/concurrent/CyclicBarrier java/lang/Object
java/util/concurrent/CyclicBarrier lock
java/util/concurrent/CyclicBarrier trip
java/util/concurrent/CyclicBarrier parties
java/util/concurrent/CyclicBarrier barrierCommand
java/util/concurrent/CyclicBarrier generation
java/util/concurrent/CyclicBarrier count
java/util/concurrent/CyclicBarrier nextGeneration()V

java/util/concurrent/CyclicBarrier breakBarrier()V
java/util/concurrent/CyclicBarrier dowait(ZJ)I
java/util/concurrent/CyclicBarrier <init>(ILjava/lang/Runnable;)V
java/util/concurrent/CyclicBarrier <init>(I)V
java/util/concurrent/CyclicBarrier getParties()I
java/util/concurrent/CyclicBarrier await()I
java/util/concurrent/CyclicBarrier await(JLjava/util/concurrent/TimeUnit;)I
java/util/concurrent/CyclicBarrier isBroken()Z
java/util/concurrent/CyclicBarrier
reset()V
java/util/concurrent/CyclicBarrier getNumberWaiting()I
class java/util/concurrent/DelayQueue$Itr java/lang/Object
java/util/concurrent/DelayQueue$Itr iter
java/util/concurrent/DelayQueue$Itr this$0
java/util/concurrent/DelayQueue$Itr <init>(Ljava/util/concurrent/DelayQueue;Ljava/util/Iterator;)V
java/util/concurrent/DelayQueue$Itr hasNext()Z
java/util/concurrent/DelayQueue$Itr next()Ljava/lang/Object;
java/util/concurrent/DelayQueue$Itr remove()V
class java/util/concurrent/DelayQueue java/util/AbstractQueue
java/util/concurrent/DelayQueue lock
java/util/concurrent/DelayQueue available
java/util/concurrent/DelayQueue q
java/util/concurrent/DelayQueue $assertionsDisabled
java/util/concurrent/DelayQueue <init>()V
java/util/concurrent/DelayQueue <init>(Ljava/util/Collection;)V
java/util/concurrent/DelayQueue offer(Ljava/util/concurrent/Delayed;)Z
java/util/concurrent/DelayQueue put(Ljava/util/concurrent/Delayed;)V
java/util/concurrent/DelayQueue offer(Ljava/util/concurrent/Delayed;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/DelayQueue
add(Ljava/util/concurrent/Delayed;)Z
java/util/concurrent/DelayQueue take()Ljava/util/concurrent/Delayed;
java/util/concurrent/DelayQueue poll(JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/Delayed;
java/util/concurrent/DelayQueue poll()Ljava/util/concurrent/Delayed;
java/util/concurrent/DelayQueue peek()Ljava/util/concurrent/Delayed;
java/util/concurrent/DelayQueue size()I
java/util/concurrent/DelayQueue drainTo(Ljava/util/Collection;)I
java/util/concurrent/DelayQueue drainTo(Ljava/util/Collection;I)I
java/util/concurrent/DelayQueue clear()V
java/util/concurrent/DelayQueue remainingCapacity()I
java/util/concurrent/DelayQueue toArray()[Ljava/lang/Object;
java/util/concurrent/DelayQueue toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/DelayQueue remove(Ljava/lang/Object;)Z
java/util/concurrent/DelayQueue iterator()Ljava/util/Iterator;
java/util/concurrent/DelayQueue add(Ljava/lang/Object;)Z
java/util/concurrent/DelayQueue
peek()Ljava/lang/Object;
java/util/concurrent/DelayQueue poll()Ljava/lang/Object;
java/util/concurrent/DelayQueue offer(Ljava/lang/Object;)Z

java/util/concurrent/DelayQueue put(Ljava/lang/Object;)V
java/util/concurrent/DelayQueue take()Ljava/lang/Object;
java/util/concurrent/DelayQueue poll(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/DelayQueue offer(Ljava/lang/Object;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/DelayQueue
access$000(Ljava/util/concurrent/DelayQueue;)Ljava/util/concurrent/locks/ReentrantLock;
java/util/concurrent/DelayQueue <clinit>()V
class java/util/concurrent/Delayed java/lang/Object
java/util/concurrent/Delayed getDelay(Ljava/util/concurrent/TimeUnit;)J
class java/util/concurrent/Exchanger$1 java/lang/Object
class java/util/concurrent/Exchanger$Node java/util/concurrent/atomic/AtomicReference
java/util/concurrent/Exchanger$Node item
java/util/concurrent/Exchanger$Node waiter
java/util/concurrent/Exchanger$Node
 <init>(Ljava/lang/Object;)V
class java/util/concurrent/Exchanger$Slot java/util/concurrent/atomic/AtomicReference
java/util/concurrent/Exchanger$Slot q0
java/util/concurrent/Exchanger$Slot q1
java/util/concurrent/Exchanger$Slot q2
java/util/concurrent/Exchanger$Slot q3
java/util/concurrent/Exchanger$Slot q4
java/util/concurrent/Exchanger$Slot q5
java/util/concurrent/Exchanger$Slot q6
java/util/concurrent/Exchanger$Slot q7
java/util/concurrent/Exchanger$Slot q8
java/util/concurrent/Exchanger$Slot q9
java/util/concurrent/Exchanger$Slot qa
java/util/concurrent/Exchanger$Slot qb
java/util/concurrent/Exchanger$Slot qc
java/util/concurrent/Exchanger$Slot qd
java/util/concurrent/Exchanger$Slot qe
java/util/concurrent/Exchanger$Slot <init>()V
java/util/concurrent/Exchanger$Slot <init>(Ljava/util/concurrent/Exchanger$1;)V
class java/util/concurrent/Exchanger java/lang/Object
java/util/concurrent/Exchanger NCPU
java/util/concurrent/Exchanger CAPACITY
java/util/concurrent/Exchanger
 FULL
java/util/concurrent/Exchanger SPINS
java/util/concurrent/Exchanger TIMED_SPINS
java/util/concurrent/Exchanger CANCEL
java/util/concurrent/Exchanger NULL_ITEM
java/util/concurrent/Exchanger arena
java/util/concurrent/Exchanger max
java/util/concurrent/Exchanger doExchange(Ljava/lang/Object;ZJ)Ljava/lang/Object;
java/util/concurrent/Exchanger hashIndex()I
java/util/concurrent/Exchanger createSlot(I)V
java/util/concurrent/Exchanger

tryCancel(Ljava/util/concurrent/Exchanger$Node;Ljava/util/concurrent/Exchanger$Slot;)Z
java/util/concurrent/Exchanger
spinWait(Ljava/util/concurrent/Exchanger$Node;Ljava/util/concurrent/Exchanger$Slot;)Ljava/lang/Object;
java/util/concurrent/Exchanger
await(Ljava/util/concurrent/Exchanger$Node;Ljava/util/concurrent/Exchanger$Slot;)Ljava/lang/Object;
java/util/concurrent/Exchanger
awaitNanos(Ljava/util/concurrent/Exchanger$Node;Ljava/util/concurrent/Exchanger$Slot;J)Ljava/lang/Object;
java/util/concurrent/Exchanger scanOnTimeout(Ljava/util/concurrent/Exchanger$Node;)Ljava/lang/Object;
java/util/concurrent/Exchanger
<init>()V
java/util/concurrent/Exchanger exchange(Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/Exchanger exchange(Ljava/lang/Object;JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/Exchanger <clinit>()V
class java/util/concurrent/ExecutionException java/lang/Exception
java/util/concurrent/ExecutionException serialVersionUID
java/util/concurrent/ExecutionException <init>()V
java/util/concurrent/ExecutionException <init>(Ljava/lang/String;)V
java/util/concurrent/ExecutionException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/util/concurrent/ExecutionException <init>(Ljava/lang/Throwable;)V
class java/util/concurrent/Executor java/lang/Object
java/util/concurrent/Executor execute(Ljava/lang/Runnable;)V
class java/util/concurrent/ExecutorCompletionService$QueueingFuture java/util/concurrent/FutureTask
java/util/concurrent/ExecutorCompletionService$QueueingFuture
this$0
java/util/concurrent/ExecutorCompletionService$QueueingFuture
<init>(Ljava/util/concurrent/ExecutorCompletionService;Ljava/util/concurrent/Callable;)V
java/util/concurrent/ExecutorCompletionService$QueueingFuture
<init>(Ljava/util/concurrent/ExecutorCompletionService;Ljava/lang/Runnable;Ljava/lang/Object;)V
java/util/concurrent/ExecutorCompletionService$QueueingFuture done()V
class java/util/concurrent/ExecutorCompletionService java/lang/Object
java/util/concurrent/ExecutorCompletionService executor
java/util/concurrent/ExecutorCompletionService completionQueue
java/util/concurrent/ExecutorCompletionService <init>(Ljava/util/concurrent/Executor;)V
java/util/concurrent/ExecutorCompletionService
<init>(Ljava/util/concurrent/Executor;Ljava/util/concurrent/BlockingQueue;)V
java/util/concurrent/ExecutorCompletionService
submit(Ljava/util/concurrent/Callable;)Ljava/util/concurrent/Future;
java/util/concurrent/ExecutorCompletionService
submit(Ljava/lang/Runnable;Ljava/lang/Object;)Ljava/util/concurrent/Future;
java/util/concurrent/ExecutorCompletionService
take()Ljava/util/concurrent/Future;
java/util/concurrent/ExecutorCompletionService poll()Ljava/util/concurrent/Future;
java/util/concurrent/ExecutorCompletionService
poll(JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/Future;
java/util/concurrent/ExecutorCompletionService
access$000(Ljava/util/concurrent/ExecutorCompletionService;)Ljava/util/concurrent/BlockingQueue;
class java/util/concurrent/ExecutorService java/lang/Object
java/util/concurrent/ExecutorService shutdown()V

java/util/concurrent/ExecutorService shutdownNow()Ljava/util/List;
java/util/concurrent/ExecutorService isShutdown()Z
java/util/concurrent/ExecutorService isTerminated()Z
java/util/concurrent/ExecutorService awaitTermination(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/ExecutorService submit(Ljava/util/concurrent/Callable;)Ljava/util/concurrent/Future;
java/util/concurrent/ExecutorService submit(Ljava/lang/Runnable;Ljava/lang/Object;)Ljava/util/concurrent/Future;
java/util/concurrent/ExecutorService
submit(Ljava/lang/Runnable;)Ljava/util/concurrent/Future;
java/util/concurrent/ExecutorService invokeAll(Ljava/util/Collection;)Ljava/util/List;
java/util/concurrent/ExecutorService
invokeAll(Ljava/util/Collection;JLjava/util/concurrent/TimeUnit;)Ljava/util/List;
java/util/concurrent/ExecutorService invokeAny(Ljava/util/Collection;)Ljava/lang/Object;
java/util/concurrent/ExecutorService
invokeAny(Ljava/util/Collection;JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
class java/util/concurrent/Executors$DefaultThreadFactory java/lang/Object
java/util/concurrent/Executors$DefaultThreadFactory poolNumber
java/util/concurrent/Executors$DefaultThreadFactory group
java/util/concurrent/Executors$DefaultThreadFactory threadNumber
java/util/concurrent/Executors$DefaultThreadFactory namePrefix
java/util/concurrent/Executors$DefaultThreadFactory <init>()V
java/util/concurrent/Executors$DefaultThreadFactory newThread(Ljava/lang/Runnable;)Ljava/lang/Thread;
java/util/concurrent/Executors$DefaultThreadFactory
<clinit>()V
class java/util/concurrent/Executors$DelegatedExecutorService java/util/concurrent/AbstractExecutorService
java/util/concurrent/Executors$DelegatedExecutorService e
java/util/concurrent/Executors$DelegatedExecutorService <init>(Ljava/util/concurrent/ExecutorService;)V
java/util/concurrent/Executors$DelegatedExecutorService execute(Ljava/lang/Runnable;)V
java/util/concurrent/Executors$DelegatedExecutorService shutdown()V
java/util/concurrent/Executors$DelegatedExecutorService shutdownNow()Ljava/util/List;
java/util/concurrent/Executors$DelegatedExecutorService isShutdown()Z
java/util/concurrent/Executors$DelegatedExecutorService isTerminated()Z
java/util/concurrent/Executors$DelegatedExecutorService awaitTermination(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/Executors$DelegatedExecutorService
submit(Ljava/lang/Runnable;)Ljava/util/concurrent/Future;
java/util/concurrent/Executors$DelegatedExecutorService
submit(Ljava/util/concurrent/Callable;)Ljava/util/concurrent/Future;
java/util/concurrent/Executors$DelegatedExecutorService
submit(Ljava/lang/Runnable;Ljava/lang/Object;)Ljava/util/concurrent/Future;
java/util/concurrent/Executors$DelegatedExecutorService invokeAll(Ljava/util/Collection;)Ljava/util/List;
java/util/concurrent/Executors$DelegatedExecutorService
invokeAll(Ljava/util/Collection;JLjava/util/concurrent/TimeUnit;)Ljava/util/List;
java/util/concurrent/Executors$DelegatedExecutorService invokeAny(Ljava/util/Collection;)Ljava/lang/Object;
java/util/concurrent/Executors$DelegatedExecutorService
invokeAny(Ljava/util/Collection;JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
class java/util/concurrent/Executors$DelegatedScheduledExecutorService
java/util/concurrent/Executors$DelegatedExecutorService
java/util/concurrent/Executors$DelegatedScheduledExecutorService e
java/util/concurrent/Executors$DelegatedScheduledExecutorService

<init>(Ljava/util/concurrent/ScheduledExecutorService;)V
java/util/concurrent/Executors$DelegatedScheduledExecutorService
schedule(Ljava/lang/Runnable;JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFuture;
java/util/concurrent/Executors$DelegatedScheduledExecutorService
schedule(Ljava/util/concurrent/Callable;JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFuture;
java/util/concurrent/Executors$DelegatedScheduledExecutorService
scheduleAtFixedRate(Ljava/lang/Runnable;JJLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFutur
e;
java/util/concurrent/Executors$DelegatedScheduledExecutorService
scheduleWithFixedDelay(Ljava/lang/Runnable;JJLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledF
uture;
class java/util/concurrent/Executors$PrivilegedActionAdapter java/lang/Object
java/util/concurrent/Executors$PrivilegedActionAdapter action
java/util/concurrent/Executors$PrivilegedActionAdapter <init>(Ljava/security/PrivilegedAction;)V
java/util/concurrent/Executors$PrivilegedActionAdapter
call()Ljava/lang/Object;
class java/util/concurrent/Executors$PrivilegedCallable$1 java/lang/Object
java/util/concurrent/Executors$PrivilegedCallable$1 this$0
java/util/concurrent/Executors$PrivilegedCallable$1 <init>(Ljava/util/concurrent/Executors$PrivilegedCallable;)V
java/util/concurrent/Executors$PrivilegedCallable$1 run()Ljava/lang/Object;
class java/util/concurrent/Executors$PrivilegedCallable java/lang/Object
java/util/concurrent/Executors$PrivilegedCallable acc
java/util/concurrent/Executors$PrivilegedCallable task
java/util/concurrent/Executors$PrivilegedCallable result
java/util/concurrent/Executors$PrivilegedCallable exception
java/util/concurrent/Executors$PrivilegedCallable <init>(Ljava/util/concurrent/Callable;)V
java/util/concurrent/Executors$PrivilegedCallable call()Ljava/lang/Object;
java/util/concurrent/Executors$PrivilegedCallable
access$002(Ljava/util/concurrent/Executors$PrivilegedCallable;Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/Executors$PrivilegedCallable
access$100(Ljava/util/concurrent/Executors$PrivilegedCallable;)Ljava/util/concurrent/Callable;
java/util/concurrent/Executors$PrivilegedCallable
access$202(Ljava/util/concurrent/Executors$PrivilegedCallable;Ljava/lang/Exception;)Ljava/lang/Exception;
class java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader$1 java/lang/Object
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader$1 this$0
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader$1
<init>(Ljava/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader;)V
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader$1 run()Ljava/lang/Object;
class java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader java/lang/Object
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader ccl
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader acc
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader
task
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader result
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader exception
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader
<init>(Ljava/util/concurrent/Callable;)V
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader call()Ljava/lang/Object;

java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader
access$300(Ljava/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader;)Ljava/lang/ClassLoader;
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader
access$402(Ljava/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader;Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader
access$500(Ljava/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader;)Ljava/util/concurrent/Callable;
java/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader
access$602(Ljava/util/concurrent/Executors$PrivilegedCallableUsingCurrentClassLoader;Ljava/lang/Exception;)Ljava/lang/Exception;
class java/util/concurrent/Executors$PrivilegedExceptionActionAdapter java/lang/Object
java/util/concurrent/Executors$PrivilegedExceptionActionAdapter action
java/util/concurrent/Executors$PrivilegedExceptionActionAdapter
<init>(Ljava/security/PrivilegedExceptionAction;)V
java/util/concurrent/Executors$PrivilegedExceptionActionAdapter call()Ljava/lang/Object;
class java/util/concurrent/Executors$PrivilegedThreadFactory$1$1 java/lang/Object
java/util/concurrent/Executors$PrivilegedThreadFactory$1$1 this$1
java/util/concurrent/Executors$PrivilegedThreadFactory$1$1
<init>(Ljava/util/concurrent/Executors$PrivilegedThreadFactory$1;)V
java/util/concurrent/Executors$PrivilegedThreadFactory$1$1 run()Ljava/lang/Object;
class java/util/concurrent/Executors$PrivilegedThreadFactory$1 java/lang/Object
java/util/concurrent/Executors$PrivilegedThreadFactory$1
val$r
java/util/concurrent/Executors$PrivilegedThreadFactory$1 this$0
java/util/concurrent/Executors$PrivilegedThreadFactory$1
<init>(Ljava/util/concurrent/Executors$PrivilegedThreadFactory;Ljava/lang/Runnable;)V
java/util/concurrent/Executors$PrivilegedThreadFactory$1 run()V
class java/util/concurrent/Executors$PrivilegedThreadFactory java/util/concurrent/Executors$DefaultThreadFactory
java/util/concurrent/Executors$PrivilegedThreadFactory ccl
java/util/concurrent/Executors$PrivilegedThreadFactory acc
java/util/concurrent/Executors$PrivilegedThreadFactory <init>()V
java/util/concurrent/Executors$PrivilegedThreadFactory newThread(Ljava/lang/Runnable;)Ljava/lang/Thread;
java/util/concurrent/Executors$PrivilegedThreadFactory
access$700(Ljava/util/concurrent/Executors$PrivilegedThreadFactory;)Ljava/lang/ClassLoader;
java/util/concurrent/Executors$PrivilegedThreadFactory
access$800(Ljava/util/concurrent/Executors$PrivilegedThreadFactory;)Ljava/security/AccessControlContext;
class
java/util/concurrent/Executors$RunnableAdapter java/lang/Object
java/util/concurrent/Executors$RunnableAdapter task
java/util/concurrent/Executors$RunnableAdapter result
java/util/concurrent/Executors$RunnableAdapter <init>(Ljava/lang/Runnable;Ljava/lang/Object;)V
java/util/concurrent/Executors$RunnableAdapter call()Ljava/lang/Object;
class java/util/concurrent/Executors java/lang/Object
java/util/concurrent/Executors newFixedThreadPool(I)Ljava/util/concurrent/ExecutorService;
java/util/concurrent/Executors
newFixedThreadPool(ILjava/util/concurrent/ThreadFactory;)Ljava/util/concurrent/ExecutorService;
java/util/concurrent/Executors newSingleThreadExecutor()Ljava/util/concurrent/ExecutorService;

java/util/concurrent/Executors
newSingleThreadExecutor(Ljava/util/concurrent/ThreadFactory;)Ljava/util/concurrent/ExecutorService;
java/util/concurrent/Executors newCachedThreadPool()Ljava/util/concurrent/ExecutorService;
java/util/concurrent/Executors
newCachedThreadPool(Ljava/util/concurrent/ThreadFactory;)Ljava/util/concurrent/ExecutorService;
java/util/concurrent/Executors
newSingleThreadScheduledExecutor()Ljava/util/concurrent/ScheduledExecutorService;
java/util/concurrent/Executors
newSingleThreadScheduledExecutor(Ljava/util/concurrent/ThreadFactory;)Ljava/util/concurrent/ScheduledExecutorService;
java/util/concurrent/Executors newScheduledThreadPool(I)Ljava/util/concurrent/ScheduledExecutorService;
java/util/concurrent/Executors
newScheduledThreadPool(ILjava/util/concurrent/ThreadFactory;)Ljava/util/concurrent/ScheduledExecutorService;
java/util/concurrent/Executors
unconfigurableExecutorService(Ljava/util/concurrent/ExecutorService;)Ljava/util/concurrent/ExecutorService;
java/util/concurrent/Executors
unconfigurableScheduledExecutorService(Ljava/util/concurrent/ScheduledExecutorService;)Ljava/util/concurrent/ScheduledExecutorService;
java/util/concurrent/Executors defaultThreadFactory()Ljava/util/concurrent/ThreadFactory;
java/util/concurrent/Executors
privilegedThreadFactory()Ljava/util/concurrent/ThreadFactory;
java/util/concurrent/Executors callable(Ljava/lang/Runnable;Ljava/lang/Object;)Ljava/util/concurrent/Callable;
java/util/concurrent/Executors callable(Ljava/lang/Runnable;)Ljava/util/concurrent/Callable;
java/util/concurrent/Executors callable(Ljava/security/PrivilegedAction;)Ljava/util/concurrent/Callable;
java/util/concurrent/Executors callable(Ljava/security/PrivilegedExceptionAction;)Ljava/util/concurrent/Callable;
java/util/concurrent/Executors privilegedCallable(Ljava/util/concurrent/Callable;)Ljava/util/concurrent/Callable;
java/util/concurrent/Executors
privilegedCallableUsingCurrentClassLoader(Ljava/util/concurrent/Callable;)Ljava/util/concurrent/Callable;
java/util/concurrent/Executors <init>()V
class java/util/concurrent/Future java/lang/Object
java/util/concurrent/Future cancel(Z)Z
java/util/concurrent/Future isCancelled()Z
java/util/concurrent/Future isDone()Z
java/util/concurrent/Future
get()Ljava/lang/Object;
java/util/concurrent/Future get(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
class java/util/concurrent/FutureTask$Sync java/util/concurrent/locks/AbstractQueuedSynchronizer
java/util/concurrent/FutureTask$Sync RUNNING
java/util/concurrent/FutureTask$Sync RAN
java/util/concurrent/FutureTask$Sync CANCELLED
java/util/concurrent/FutureTask$Sync callable
java/util/concurrent/FutureTask$Sync result
java/util/concurrent/FutureTask$Sync exception
java/util/concurrent/FutureTask$Sync runner
java/util/concurrent/FutureTask$Sync this$0
java/util/concurrent/FutureTask$Sync <init>(Ljava/util/concurrent/FutureTask;Ljava/util/concurrent/Callable;)V
java/util/concurrent/FutureTask$Sync ranOrCancelled(I)Z
java/util/concurrent/FutureTask$Sync tryAcquireShared(I)I

java/util/concurrent/FutureTask$Sync tryReleaseShared(I)Z
java/util/concurrent/FutureTask$Sync innerIsCancelled()Z
java/util/concurrent/FutureTask$Sync innerIsDone()Z
java/util/concurrent/FutureTask$Sync
innerGet()Ljava/lang/Object;
java/util/concurrent/FutureTask$Sync innerGet(J)Ljava/lang/Object;
java/util/concurrent/FutureTask$Sync innerSet(Ljava/lang/Object;)V
java/util/concurrent/FutureTask$Sync innerSetException(Ljava/lang/Throwable;)V
java/util/concurrent/FutureTask$Sync innerCancel(Z)Z
java/util/concurrent/FutureTask$Sync innerRun()V
java/util/concurrent/FutureTask$Sync innerRunAndReset()Z
class java/util/concurrent/FutureTask java/lang/Object
java/util/concurrent/FutureTask sync
java/util/concurrent/FutureTask <init>(Ljava/util/concurrent/Callable;)V
java/util/concurrent/FutureTask <init>(Ljava/lang/Runnable;Ljava/lang/Object;)V
java/util/concurrent/FutureTask isCancelled()Z
java/util/concurrent/FutureTask isDone()Z
java/util/concurrent/FutureTask cancel(Z)Z
java/util/concurrent/FutureTask get()Ljava/lang/Object;
java/util/concurrent/FutureTask get(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/FutureTask done()V
java/util/concurrent/FutureTask
set(Ljava/lang/Object;)V
java/util/concurrent/FutureTask setException(Ljava/lang/Throwable;)V
java/util/concurrent/FutureTask run()V
java/util/concurrent/FutureTask runAndReset()Z
class java/util/concurrent/LinkedBlockingQueue$Itr java/lang/Object
java/util/concurrent/LinkedBlockingQueue$Itr current
java/util/concurrent/LinkedBlockingQueue$Itr lastRet
java/util/concurrent/LinkedBlockingQueue$Itr currentElement
java/util/concurrent/LinkedBlockingQueue$Itr this$0
java/util/concurrent/LinkedBlockingQueue$Itr <init>(Ljava/util/concurrent/LinkedBlockingQueue;)V
java/util/concurrent/LinkedBlockingQueue$Itr hasNext()Z
java/util/concurrent/LinkedBlockingQueue$Itr next()Ljava/lang/Object;
java/util/concurrent/LinkedBlockingQueue$Itr remove()V
class java/util/concurrent/LinkedBlockingQueue$Node java/lang/Object
java/util/concurrent/LinkedBlockingQueue$Node item
java/util/concurrent/LinkedBlockingQueue$Node next
java/util/concurrent/LinkedBlockingQueue$Node <init>(Ljava/lang/Object;)V
class
java/util/concurrent/LinkedBlockingQueue java/util/AbstractQueue
java/util/concurrent/LinkedBlockingQueue serialVersionUID
java/util/concurrent/LinkedBlockingQueue capacity
java/util/concurrent/LinkedBlockingQueue count
java/util/concurrent/LinkedBlockingQueue head
java/util/concurrent/LinkedBlockingQueue last
java/util/concurrent/LinkedBlockingQueue takeLock
java/util/concurrent/LinkedBlockingQueue notEmpty

java/util/concurrent/LinkedBlockingQueue putLock
java/util/concurrent/LinkedBlockingQueue notFull
java/util/concurrent/LinkedBlockingQueue $assertionsDisabled
java/util/concurrent/LinkedBlockingQueue signalNotEmpty()V
java/util/concurrent/LinkedBlockingQueue signalNotFull()V
java/util/concurrent/LinkedBlockingQueue insert(Ljava/lang/Object;)V
java/util/concurrent/LinkedBlockingQueue extract()Ljava/lang/Object;
java/util/concurrent/LinkedBlockingQueue fullyLock()V
java/util/concurrent/LinkedBlockingQueue fullyUnlock()V
java/util/concurrent/LinkedBlockingQueue <init>()V
java/util/concurrent/LinkedBlockingQueue
<init>(I)V
java/util/concurrent/LinkedBlockingQueue <init>(Ljava/util/Collection;)V
java/util/concurrent/LinkedBlockingQueue size()I
java/util/concurrent/LinkedBlockingQueue remainingCapacity()I
java/util/concurrent/LinkedBlockingQueue put(Ljava/lang/Object;)V
java/util/concurrent/LinkedBlockingQueue offer(Ljava/lang/Object;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/LinkedBlockingQueue offer(Ljava/lang/Object;)Z
java/util/concurrent/LinkedBlockingQueue take()Ljava/lang/Object;
java/util/concurrent/LinkedBlockingQueue poll(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/LinkedBlockingQueue poll()Ljava/lang/Object;
java/util/concurrent/LinkedBlockingQueue peek()Ljava/lang/Object;
java/util/concurrent/LinkedBlockingQueue remove(Ljava/lang/Object;)Z
java/util/concurrent/LinkedBlockingQueue toArray()[Ljava/lang/Object;
java/util/concurrent/LinkedBlockingQueue toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/LinkedBlockingQueue
toString()Ljava/lang/String;
java/util/concurrent/LinkedBlockingQueue clear()V
java/util/concurrent/LinkedBlockingQueue drainTo(Ljava/util/Collection;)I
java/util/concurrent/LinkedBlockingQueue drainTo(Ljava/util/Collection;I)I
java/util/concurrent/LinkedBlockingQueue iterator()Ljava/util/Iterator;
java/util/concurrent/LinkedBlockingQueue writeObject(Ljava/io/ObjectOutputStream;)V
java/util/concurrent/LinkedBlockingQueue readObject(Ljava/io/ObjectInputStream;)V
java/util/concurrent/LinkedBlockingQueue
access$000(Ljava/util/concurrent/LinkedBlockingQueue;)Ljava/util/concurrent/locks/ReentrantLock;
java/util/concurrent/LinkedBlockingQueue
access$100(Ljava/util/concurrent/LinkedBlockingQueue;)Ljava/util/concurrent/locks/ReentrantLock;
java/util/concurrent/LinkedBlockingQueue
access$200(Ljava/util/concurrent/LinkedBlockingQueue;)Ljava/util/concurrent/LinkedBlockingQueue$Node;
java/util/concurrent/LinkedBlockingQueue
access$300(Ljava/util/concurrent/LinkedBlockingQueue;)Ljava/util/concurrent/LinkedBlockingQueue$Node;
java/util/concurrent/LinkedBlockingQueue
access$302(Ljava/util/concurrent/LinkedBlockingQueue;Ljava/util/concurrent/LinkedBlockingQueue$Node;)Ljava/
util/concurrent/LinkedBlockingQueue$Node;
java/util/concurrent/LinkedBlockingQueue
access$400(Ljava/util/concurrent/LinkedBlockingQueue;)Ljava/util/concurrent/atomic/AtomicInteger;
java/util/concurrent/LinkedBlockingQueue access$500(Ljava/util/concurrent/LinkedBlockingQueue;)I
java/util/concurrent/LinkedBlockingQueue

access$600(Ljava/util/concurrent/LinkedBlockingQueue;)Ljava/util/concurrent/locks/Condition;
java/util/concurrent/LinkedBlockingQueue <clinit>()V
class java/util/concurrent/PriorityBlockingQueue$Itr java/lang/Object
java/util/concurrent/PriorityBlockingQueue$Itr iter
java/util/concurrent/PriorityBlockingQueue$Itr this$0
java/util/concurrent/PriorityBlockingQueue$Itr
<init>(Ljava/util/concurrent/PriorityBlockingQueue;Ljava/util/Iterator;)V
java/util/concurrent/PriorityBlockingQueue$Itr
 hasNext()Z
java/util/concurrent/PriorityBlockingQueue$Itr next()Ljava/lang/Object;
java/util/concurrent/PriorityBlockingQueue$Itr remove()V
class java/util/concurrent/PriorityBlockingQueue java/util/AbstractQueue
java/util/concurrent/PriorityBlockingQueue serialVersionUID
java/util/concurrent/PriorityBlockingQueue q
java/util/concurrent/PriorityBlockingQueue lock
java/util/concurrent/PriorityBlockingQueue notEmpty
java/util/concurrent/PriorityBlockingQueue $assertionsDisabled
java/util/concurrent/PriorityBlockingQueue <init>()V
java/util/concurrent/PriorityBlockingQueue <init>(I)V
java/util/concurrent/PriorityBlockingQueue <init>(ILjava/util/Comparator;)V
java/util/concurrent/PriorityBlockingQueue <init>(Ljava/util/Collection;)V
java/util/concurrent/PriorityBlockingQueue add(Ljava/lang/Object;)Z
java/util/concurrent/PriorityBlockingQueue comparator()Ljava/util/Comparator;
java/util/concurrent/PriorityBlockingQueue offer(Ljava/lang/Object;)Z
java/util/concurrent/PriorityBlockingQueue
 put(Ljava/lang/Object;)V
java/util/concurrent/PriorityBlockingQueue offer(Ljava/lang/Object;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/PriorityBlockingQueue take()Ljava/lang/Object;
java/util/concurrent/PriorityBlockingQueue poll()Ljava/lang/Object;
java/util/concurrent/PriorityBlockingQueue poll(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/PriorityBlockingQueue peek()Ljava/lang/Object;
java/util/concurrent/PriorityBlockingQueue size()I
java/util/concurrent/PriorityBlockingQueue remainingCapacity()I
java/util/concurrent/PriorityBlockingQueue remove(Ljava/lang/Object;)Z
java/util/concurrent/PriorityBlockingQueue contains(Ljava/lang/Object;)Z
java/util/concurrent/PriorityBlockingQueue toArray()[Ljava/lang/Object;
java/util/concurrent/PriorityBlockingQueue toString()Ljava/lang/String;
java/util/concurrent/PriorityBlockingQueue drainTo(Ljava/util/Collection;)I
java/util/concurrent/PriorityBlockingQueue drainTo(Ljava/util/Collection;I)I
java/util/concurrent/PriorityBlockingQueue
 clear()V
java/util/concurrent/PriorityBlockingQueue toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/PriorityBlockingQueue iterator()Ljava/util/Iterator;
java/util/concurrent/PriorityBlockingQueue writeObject(Ljava/io/ObjectOutputStream;)V
java/util/concurrent/PriorityBlockingQueue
access$000(Ljava/util/concurrent/PriorityBlockingQueue;)Ljava/util/concurrent/locks/ReentrantLock;
java/util/concurrent/PriorityBlockingQueue <clinit>()V
class java/util/concurrent/RejectedExecutionException java/lang/RuntimeException

java/util/concurrent/RejectedExecutionException serialVersionUID
java/util/concurrent/RejectedExecutionException <init>()V
java/util/concurrent/RejectedExecutionException <init>(Ljava/lang/String;)V
java/util/concurrent/RejectedExecutionException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/util/concurrent/RejectedExecutionException <init>(Ljava/lang/Throwable;)V
class java/util/concurrent/RejectedExecutionHandler
java/lang/Object
java/util/concurrent/RejectedExecutionHandler
rejectedExecution(Ljava/lang/Runnable;Ljava/util/concurrent/ThreadPoolExecutor;)V
class java/util/concurrent/ScheduledExecutorService java/lang/Object
java/util/concurrent/ScheduledExecutorService
schedule(Ljava/lang/Runnable;JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFuture;
java/util/concurrent/ScheduledExecutorService
schedule(Ljava/util/concurrent/Callable;JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFuture;
java/util/concurrent/ScheduledExecutorService
scheduleAtFixedRate(Ljava/lang/Runnable;JJLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFutur
e;
java/util/concurrent/ScheduledExecutorService
scheduleWithFixedDelay(Ljava/lang/Runnable;JJLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledF
uture;
class java/util/concurrent/ScheduledFuture java/lang/Object
class java/util/concurrent/ScheduledThreadPoolExecutor$1 java/lang/Object
class java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue$1
java/lang/Object
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue$1 it
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue$1 this$0
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue$1
<init>(Ljava/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue;)V
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue$1 hasNext()Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue$1 next()Ljava/lang/Runnable;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue$1 remove()V
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue$1 next()Ljava/lang/Object;
class java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue java/util/AbstractCollection
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue dq
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue <init>()V
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
poll()Ljava/lang/Runnable;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue peek()Ljava/lang/Runnable;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue take()Ljava/lang/Runnable;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
poll(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Runnable;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue add(Ljava/lang/Runnable;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue offer(Ljava/lang/Runnable;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue put(Ljava/lang/Runnable;)V
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
offer(Ljava/lang/Runnable;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue remove()Ljava/lang/Runnable;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue element()Ljava/lang/Runnable;

java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
clear()V
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue drainTo(Ljava/util/Collection;)I
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue drainTo(Ljava/util/Collection;I)I
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue remainingCapacity()I
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue remove(Ljava/lang/Object;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue contains(Ljava/lang/Object;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue size()I
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue isEmpty()Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue toArray()[Ljava/lang/Object;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue iterator()Ljava/util/Iterator;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
add(Ljava/lang/Object;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue put(Ljava/lang/Object;)V
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue take()Ljava/lang/Object;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
poll(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
offer(Ljava/lang/Object;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue offer(Ljava/lang/Object;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue element()Ljava/lang/Object;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue peek()Ljava/lang/Object;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue remove()Ljava/lang/Object;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue poll()Ljava/lang/Object;
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
<init>(Ljava/util/concurrent/ScheduledThreadPoolExecutor$1;)V
java/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue
access$500(Ljava/util/concurrent/ScheduledThreadPoolExecutor$DelayedWorkQueue;)Ljava/util/concurrent/Delay
Queue;
class java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask java/util/concurrent/FutureTask
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask sequenceNumber
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask time
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask period
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask this$0
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask
<init>(Ljava/util/concurrent/ScheduledThreadPoolExecutor;Ljava/lang/Runnable;Ljava/lang/Object;J)V
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask
<init>(Ljava/util/concurrent/ScheduledThreadPoolExecutor;Ljava/lang/Runnable;Ljava/lang/Object;JJ)V
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask
<init>(Ljava/util/concurrent/ScheduledThreadPoolExecutor;Ljava/util/concurrent/Callable;J)V
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask
getDelay(Ljava/util/concurrent/TimeUnit;)J
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask
compareTo(Ljava/util/concurrent/Delayed;)I
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask isPeriodic()Z
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask runPeriodic()V

java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask run()V
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask compareTo(Ljava/lang/Object;)I
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask
access$101(Ljava/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask;)Z
java/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask
access$301(Ljava/util/concurrent/ScheduledThreadPoolExecutor$ScheduledFutureTask;)V
class
java/util/concurrent/ScheduledThreadPoolExecutor java/util/concurrent/ThreadPoolExecutor
java/util/concurrent/ScheduledThreadPoolExecutor continueExistingPeriodicTasksAfterShutdown
java/util/concurrent/ScheduledThreadPoolExecutor executeExistingDelayedTasksAfterShutdown
java/util/concurrent/ScheduledThreadPoolExecutor sequencer
java/util/concurrent/ScheduledThreadPoolExecutor NANO_ORIGIN
java/util/concurrent/ScheduledThreadPoolExecutor now()J
java/util/concurrent/ScheduledThreadPoolExecutor delayedExecute(Ljava/lang/Runnable;)V
java/util/concurrent/ScheduledThreadPoolExecutor cancelUnwantedTasks()V
java/util/concurrent/ScheduledThreadPoolExecutor remove(Ljava/lang/Runnable;)Z
java/util/concurrent/ScheduledThreadPoolExecutor <init>(I)V
java/util/concurrent/ScheduledThreadPoolExecutor <init>(ILjava/util/concurrent/ThreadFactory;)V
java/util/concurrent/ScheduledThreadPoolExecutor <init>(ILjava/util/concurrent/RejectedExecutionHandler;)V
java/util/concurrent/ScheduledThreadPoolExecutor
<init>(ILjava/util/concurrent/ThreadFactory;Ljava/util/concurrent/RejectedExecutionHandler;)V
java/util/concurrent/ScheduledThreadPoolExecutor
schedule(Ljava/lang/Runnable;JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFuture;
java/util/concurrent/ScheduledThreadPoolExecutor
schedule(Ljava/util/concurrent/Callable;JLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFuture;
java/util/concurrent/ScheduledThreadPoolExecutor
scheduleAtFixedRate(Ljava/lang/Runnable;JJLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledFutur
e;
java/util/concurrent/ScheduledThreadPoolExecutor
scheduleWithFixedDelay(Ljava/lang/Runnable;JJLjava/util/concurrent/TimeUnit;)Ljava/util/concurrent/ScheduledF
uture;
java/util/concurrent/ScheduledThreadPoolExecutor execute(Ljava/lang/Runnable;)V
java/util/concurrent/ScheduledThreadPoolExecutor submit(Ljava/lang/Runnable;)Ljava/util/concurrent/Future;
java/util/concurrent/ScheduledThreadPoolExecutor
submit(Ljava/lang/Runnable;Ljava/lang/Object;)Ljava/util/concurrent/Future;
java/util/concurrent/ScheduledThreadPoolExecutor
submit(Ljava/util/concurrent/Callable;)Ljava/util/concurrent/Future;
java/util/concurrent/ScheduledThreadPoolExecutor setContinueExistingPeriodicTasksAfterShutdownPolicy(Z)V
java/util/concurrent/ScheduledThreadPoolExecutor getContinueExistingPeriodicTasksAfterShutdownPolicy()Z
java/util/concurrent/ScheduledThreadPoolExecutor setExecuteExistingDelayedTasksAfterShutdownPolicy(Z)V
java/util/concurrent/ScheduledThreadPoolExecutor getExecuteExistingDelayedTasksAfterShutdownPolicy()Z
java/util/concurrent/ScheduledThreadPoolExecutor shutdown()V
java/util/concurrent/ScheduledThreadPoolExecutor shutdownNow()Ljava/util/List;
java/util/concurrent/ScheduledThreadPoolExecutor getQueue()Ljava/util/concurrent/BlockingQueue;
java/util/concurrent/ScheduledThreadPoolExecutor access$000()Ljava/util/concurrent/atomic/AtomicLong;
java/util/concurrent/ScheduledThreadPoolExecutor
access$201(Ljava/util/concurrent/ScheduledThreadPoolExecutor;)Ljava/util/concurrent/BlockingQueue;
java/util/concurrent/ScheduledThreadPoolExecutor <clinit>()V

class java/util/concurrent/Semaphore$FairSync java/util/concurrent/Semaphore$Sync
java/util/concurrent/Semaphore$FairSync <init>(I)V
java/util/concurrent/Semaphore$FairSync tryAcquireShared(I)I
class java/util/concurrent/Semaphore$NonfairSync java/util/concurrent/Semaphore$Sync
java/util/concurrent/Semaphore$NonfairSync <init>(I)V
java/util/concurrent/Semaphore$NonfairSync tryAcquireShared(I)I
class java/util/concurrent/Semaphore$Sync java/util/concurrent/locks/AbstractQueuedSynchronizer
java/util/concurrent/Semaphore$Sync <init>(I)V
java/util/concurrent/Semaphore$Sync getPermits()I
java/util/concurrent/Semaphore$Sync nonfairTryAcquireShared(I)I
java/util/concurrent/Semaphore$Sync tryReleaseShared(I)Z
java/util/concurrent/Semaphore$Sync reducePermits(I)V
java/util/concurrent/Semaphore$Sync drainPermits()I
class java/util/concurrent/Semaphore
 java/lang/Object
java/util/concurrent/Semaphore serialVersionUID
java/util/concurrent/Semaphore sync
java/util/concurrent/Semaphore <init>(I)V
java/util/concurrent/Semaphore <init>(IZ)V
java/util/concurrent/Semaphore acquire()V
java/util/concurrent/Semaphore acquireUninterruptibly()V
java/util/concurrent/Semaphore tryAcquire()Z
java/util/concurrent/Semaphore tryAcquire(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/Semaphore release()V
java/util/concurrent/Semaphore acquire(I)V
java/util/concurrent/Semaphore acquireUninterruptibly(I)V
java/util/concurrent/Semaphore tryAcquire(I)Z
java/util/concurrent/Semaphore tryAcquire(IJLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/Semaphore release(I)V
java/util/concurrent/Semaphore availablePermits()I
java/util/concurrent/Semaphore drainPermits()I
java/util/concurrent/Semaphore reducePermits(I)V
java/util/concurrent/Semaphore isFair()Z
java/util/concurrent/Semaphore hasQueuedThreads()Z
java/util/concurrent/Semaphore
 getQueueLength()I
java/util/concurrent/Semaphore getQueuedThreads()Ljava/util/Collection;
java/util/concurrent/Semaphore toString()Ljava/lang/String;
class java/util/concurrent/SynchronousQueue$EmptyIterator java/lang/Object
java/util/concurrent/SynchronousQueue$EmptyIterator <init>()V
java/util/concurrent/SynchronousQueue$EmptyIterator hasNext()Z
java/util/concurrent/SynchronousQueue$EmptyIterator next()Ljava/lang/Object;
java/util/concurrent/SynchronousQueue$EmptyIterator remove()V
class java/util/concurrent/SynchronousQueue$FifoWaitQueue java/util/concurrent/SynchronousQueue$WaitQueue
java/util/concurrent/SynchronousQueue$FifoWaitQueue serialVersionUID
java/util/concurrent/SynchronousQueue$FifoWaitQueue head
java/util/concurrent/SynchronousQueue$FifoWaitQueue last
java/util/concurrent/SynchronousQueue$FifoWaitQueue <init>()V

java/util/concurrent/SynchronousQueue$FifoWaitQueue
enq(Ljava/lang/Object;)Ljava/util/concurrent/SynchronousQueue$Node;
java/util/concurrent/SynchronousQueue$FifoWaitQueue
deq()Ljava/util/concurrent/SynchronousQueue$Node;
class java/util/concurrent/SynchronousQueue$LifoWaitQueue java/util/concurrent/SynchronousQueue$WaitQueue
java/util/concurrent/SynchronousQueue$LifoWaitQueue serialVersionUID
java/util/concurrent/SynchronousQueue$LifoWaitQueue head
java/util/concurrent/SynchronousQueue$LifoWaitQueue <init>()V
java/util/concurrent/SynchronousQueue$LifoWaitQueue
enq(Ljava/lang/Object;)Ljava/util/concurrent/SynchronousQueue$Node;
java/util/concurrent/SynchronousQueue$LifoWaitQueue deq()Ljava/util/concurrent/SynchronousQueue$Node;
class java/util/concurrent/SynchronousQueue$Node java/util/concurrent/locks/AbstractQueuedSynchronizer
java/util/concurrent/SynchronousQueue$Node ACK
java/util/concurrent/SynchronousQueue$Node CANCEL
java/util/concurrent/SynchronousQueue$Node item
java/util/concurrent/SynchronousQueue$Node next
java/util/concurrent/SynchronousQueue$Node <init>(Ljava/lang/Object;)V
java/util/concurrent/SynchronousQueue$Node
<init>(Ljava/lang/Object;Ljava/util/concurrent/SynchronousQueue$Node;)V
java/util/concurrent/SynchronousQueue$Node
tryAcquire(I)Z
java/util/concurrent/SynchronousQueue$Node tryRelease(I)Z
java/util/concurrent/SynchronousQueue$Node extract()Ljava/lang/Object;
java/util/concurrent/SynchronousQueue$Node checkCancellationOnInterrupt(Ljava/lang/InterruptedException;)V
java/util/concurrent/SynchronousQueue$Node setItem(Ljava/lang/Object;)Z
java/util/concurrent/SynchronousQueue$Node getItem()Ljava/lang/Object;
java/util/concurrent/SynchronousQueue$Node waitForTake()V
java/util/concurrent/SynchronousQueue$Node waitForPut()Ljava/lang/Object;
java/util/concurrent/SynchronousQueue$Node waitForTake(J)Z
java/util/concurrent/SynchronousQueue$Node waitForPut(J)Ljava/lang/Object;
class java/util/concurrent/SynchronousQueue$WaitQueue java/lang/Object
java/util/concurrent/SynchronousQueue$WaitQueue <init>()V
java/util/concurrent/SynchronousQueue$WaitQueue
enq(Ljava/lang/Object;)Ljava/util/concurrent/SynchronousQueue$Node;
java/util/concurrent/SynchronousQueue$WaitQueue
deq()Ljava/util/concurrent/SynchronousQueue$Node;
class java/util/concurrent/SynchronousQueue java/util/AbstractQueue
java/util/concurrent/SynchronousQueue serialVersionUID
java/util/concurrent/SynchronousQueue qlock
java/util/concurrent/SynchronousQueue waitingProducers
java/util/concurrent/SynchronousQueue waitingConsumers
java/util/concurrent/SynchronousQueue <init>()V
java/util/concurrent/SynchronousQueue <init>(Z)V
java/util/concurrent/SynchronousQueue put(Ljava/lang/Object;)V
java/util/concurrent/SynchronousQueue offer(Ljava/lang/Object;JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/SynchronousQueue take()Ljava/lang/Object;
java/util/concurrent/SynchronousQueue poll(JLjava/util/concurrent/TimeUnit;)Ljava/lang/Object;
java/util/concurrent/SynchronousQueue offer(Ljava/lang/Object;)Z

java/util/concurrent/SynchronousQueue poll()Ljava/lang/Object;
java/util/concurrent/SynchronousQueue isEmpty()Z
java/util/concurrent/SynchronousQueue
size()I
java/util/concurrent/SynchronousQueue remainingCapacity()I
java/util/concurrent/SynchronousQueue clear()V
java/util/concurrent/SynchronousQueue contains(Ljava/lang/Object;)Z
java/util/concurrent/SynchronousQueue remove(Ljava/lang/Object;)Z
java/util/concurrent/SynchronousQueue containsAll(Ljava/util/Collection;)Z
java/util/concurrent/SynchronousQueue removeAll(Ljava/util/Collection;)Z
java/util/concurrent/SynchronousQueue retainAll(Ljava/util/Collection;)Z
java/util/concurrent/SynchronousQueue peek()Ljava/lang/Object;
java/util/concurrent/SynchronousQueue iterator()Ljava/util/Iterator;
java/util/concurrent/SynchronousQueue toArray()[Ljava/lang/Object;
java/util/concurrent/SynchronousQueue toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/concurrent/SynchronousQueue drainTo(Ljava/util/Collection;)I
java/util/concurrent/SynchronousQueue drainTo(Ljava/util/Collection;I)I
class java/util/concurrent/ThreadFactory java/lang/Object
java/util/concurrent/ThreadFactory
newThread(Ljava/lang/Runnable;)Ljava/lang/Thread;
class java/util/concurrent/ThreadPoolExecutor$AbortPolicy java/lang/Object
java/util/concurrent/ThreadPoolExecutor$AbortPolicy <init>()V
java/util/concurrent/ThreadPoolExecutor$AbortPolicy
rejectedExecution(Ljava/lang/Runnable;Ljava/util/concurrent/ThreadPoolExecutor;)V
class java/util/concurrent/ThreadPoolExecutor$CallerRunsPolicy java/lang/Object
java/util/concurrent/ThreadPoolExecutor$CallerRunsPolicy <init>()V
java/util/concurrent/ThreadPoolExecutor$CallerRunsPolicy
rejectedExecution(Ljava/lang/Runnable;Ljava/util/concurrent/ThreadPoolExecutor;)V
class java/util/concurrent/ThreadPoolExecutor$DiscardOldestPolicy java/lang/Object
java/util/concurrent/ThreadPoolExecutor$DiscardOldestPolicy <init>()V
java/util/concurrent/ThreadPoolExecutor$DiscardOldestPolicy
rejectedExecution(Ljava/lang/Runnable;Ljava/util/concurrent/ThreadPoolExecutor;)V
class java/util/concurrent/ThreadPoolExecutor$DiscardPolicy java/lang/Object
java/util/concurrent/ThreadPoolExecutor$DiscardPolicy
<init>()V
java/util/concurrent/ThreadPoolExecutor$DiscardPolicy
rejectedExecution(Ljava/lang/Runnable;Ljava/util/concurrent/ThreadPoolExecutor;)V
class java/util/concurrent/ThreadPoolExecutor$Worker java/lang/Object
java/util/concurrent/ThreadPoolExecutor$Worker runLock
java/util/concurrent/ThreadPoolExecutor$Worker firstTask
java/util/concurrent/ThreadPoolExecutor$Worker completedTasks
java/util/concurrent/ThreadPoolExecutor$Worker thread
java/util/concurrent/ThreadPoolExecutor$Worker this$0
java/util/concurrent/ThreadPoolExecutor$Worker
<init>(Ljava/util/concurrent/ThreadPoolExecutor;Ljava/lang/Runnable;)V
java/util/concurrent/ThreadPoolExecutor$Worker isActive()Z
java/util/concurrent/ThreadPoolExecutor$Worker interruptIfIdle()V
java/util/concurrent/ThreadPoolExecutor$Worker interruptNow()V

java/util/concurrent/ThreadPoolExecutor$Worker runTask(Ljava/lang/Runnable;)V
java/util/concurrent/ThreadPoolExecutor$Worker run()V
class java/util/concurrent/ThreadPoolExecutor
java/util/concurrent/AbstractExecutorService
java/util/concurrent/ThreadPoolExecutor EMPTY_RUNNABLE_ARRAY
java/util/concurrent/ThreadPoolExecutor shutdownPerm
java/util/concurrent/ThreadPoolExecutor workQueue
java/util/concurrent/ThreadPoolExecutor mainLock
java/util/concurrent/ThreadPoolExecutor termination
java/util/concurrent/ThreadPoolExecutor workers
java/util/concurrent/ThreadPoolExecutor keepAliveTime
java/util/concurrent/ThreadPoolExecutor corePoolSize
java/util/concurrent/ThreadPoolExecutor maximumPoolSize
java/util/concurrent/ThreadPoolExecutor poolSize
java/util/concurrent/ThreadPoolExecutor runState
java/util/concurrent/ThreadPoolExecutor RUNNING
java/util/concurrent/ThreadPoolExecutor SHUTDOWN
java/util/concurrent/ThreadPoolExecutor STOP
java/util/concurrent/ThreadPoolExecutor TERMINATED
java/util/concurrent/ThreadPoolExecutor handler
java/util/concurrent/ThreadPoolExecutor threadFactory
java/util/concurrent/ThreadPoolExecutor largestPoolSize
java/util/concurrent/ThreadPoolExecutor
completedTaskCount
java/util/concurrent/ThreadPoolExecutor defaultHandler
java/util/concurrent/ThreadPoolExecutor $assertionsDisabled
java/util/concurrent/ThreadPoolExecutor reject(Ljava/lang/Runnable;)V
java/util/concurrent/ThreadPoolExecutor addThread(Ljava/lang/Runnable;)Ljava/lang/Thread;
java/util/concurrent/ThreadPoolExecutor addIfUnderCorePoolSize(Ljava/lang/Runnable;)Z
java/util/concurrent/ThreadPoolExecutor
addIfUnderMaximumPoolSize(Ljava/lang/Runnable;)Ljava/lang/Runnable;
java/util/concurrent/ThreadPoolExecutor getTask()Ljava/lang/Runnable;
java/util/concurrent/ThreadPoolExecutor interruptIdleWorkers()V
java/util/concurrent/ThreadPoolExecutor workerDone(Ljava/util/concurrent/ThreadPoolExecutor$Worker;)V
java/util/concurrent/ThreadPoolExecutor
<init>(IIJLjava/util/concurrent/TimeUnit;Ljava/util/concurrent/BlockingQueue;)V
java/util/concurrent/ThreadPoolExecutor
<init>(IIJLjava/util/concurrent/TimeUnit;Ljava/util/concurrent/BlockingQueue;Ljava/util/concurrent/ThreadFactory
;)V
java/util/concurrent/ThreadPoolExecutor
<init>(IIJLjava/util/concurrent/TimeUnit;Ljava/util/concurrent/BlockingQueue;Ljava/util/concurrent/RejectedExecu
tionHandler;)V
java/util/concurrent/ThreadPoolExecutor
<init>(IIJLjava/util/concurrent/TimeUnit;Ljava/util/concurrent/BlockingQueue;Ljava/util/concurrent/ThreadFactory
;Ljava/util/concurrent/RejectedExecutionHandler;)V
java/util/concurrent/ThreadPoolExecutor execute(Ljava/lang/Runnable;)V
java/util/concurrent/ThreadPoolExecutor shutdown()V
java/util/concurrent/ThreadPoolExecutor shutdownNow()Ljava/util/List;

java/util/concurrent/ThreadPoolExecutor isShutdown()Z
java/util/concurrent/ThreadPoolExecutor isTerminating()Z
java/util/concurrent/ThreadPoolExecutor isTerminated()Z
java/util/concurrent/ThreadPoolExecutor awaitTermination(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/ThreadPoolExecutor finalize()V
java/util/concurrent/ThreadPoolExecutor setThreadFactory(Ljava/util/concurrent/ThreadFactory;)V
java/util/concurrent/ThreadPoolExecutor
getThreadFactory()Ljava/util/concurrent/ThreadFactory;
java/util/concurrent/ThreadPoolExecutor
setRejectedExecutionHandler(Ljava/util/concurrent/RejectedExecutionHandler;)V
java/util/concurrent/ThreadPoolExecutor
getRejectedExecutionHandler()Ljava/util/concurrent/RejectedExecutionHandler;
java/util/concurrent/ThreadPoolExecutor getQueue()Ljava/util/concurrent/BlockingQueue;
java/util/concurrent/ThreadPoolExecutor remove(Ljava/lang/Runnable;)Z
java/util/concurrent/ThreadPoolExecutor purge()V
java/util/concurrent/ThreadPoolExecutor setCorePoolSize(I)V
java/util/concurrent/ThreadPoolExecutor getCorePoolSize()I
java/util/concurrent/ThreadPoolExecutor prestartCoreThread()Z
java/util/concurrent/ThreadPoolExecutor prestartAllCoreThreads()I
java/util/concurrent/ThreadPoolExecutor setMaximumPoolSize(I)V
java/util/concurrent/ThreadPoolExecutor getMaximumPoolSize()I
java/util/concurrent/ThreadPoolExecutor setKeepAliveTime(JLjava/util/concurrent/TimeUnit;)V
java/util/concurrent/ThreadPoolExecutor
getKeepAliveTime(Ljava/util/concurrent/TimeUnit;)J
java/util/concurrent/ThreadPoolExecutor getPoolSize()I
java/util/concurrent/ThreadPoolExecutor getActiveCount()I
java/util/concurrent/ThreadPoolExecutor getLargestPoolSize()I
java/util/concurrent/ThreadPoolExecutor getTaskCount()J
java/util/concurrent/ThreadPoolExecutor getCompletedTaskCount()J
java/util/concurrent/ThreadPoolExecutor beforeExecute(Ljava/lang/Thread;Ljava/lang/Runnable;)V
java/util/concurrent/ThreadPoolExecutor afterExecute(Ljava/lang/Runnable;Ljava/lang/Throwable;)V
java/util/concurrent/ThreadPoolExecutor terminated()V
java/util/concurrent/ThreadPoolExecutor <clinit>()V
class java/util/concurrent/TimeUnit java/lang/Enum
java/util/concurrent/TimeUnit NANOSECONDS
java/util/concurrent/TimeUnit MICROSECONDS
java/util/concurrent/TimeUnit MILLISECONDS
java/util/concurrent/TimeUnit SECONDS
java/util/concurrent/TimeUnit index
java/util/concurrent/TimeUnit multipliers
java/util/concurrent/TimeUnit
overflows
java/util/concurrent/TimeUnit $VALUES
java/util/concurrent/TimeUnit values()[Ljava/util/concurrent/TimeUnit;
java/util/concurrent/TimeUnit valueOf(Ljava/lang/String;)Ljava/util/concurrent/TimeUnit;
java/util/concurrent/TimeUnit <init>(Ljava/lang/String;II)V
java/util/concurrent/TimeUnit doConvert(IJ)J
java/util/concurrent/TimeUnit convert(JLjava/util/concurrent/TimeUnit;)J

java/util/concurrent/TimeUnit toNanos(J)J
java/util/concurrent/TimeUnit toMicros(J)J
java/util/concurrent/TimeUnit toMillis(J)J
java/util/concurrent/TimeUnit toSeconds(J)J
java/util/concurrent/TimeUnit excessNanos(JJ)I
java/util/concurrent/TimeUnit timedWait(Ljava/lang/Object;J)V
java/util/concurrent/TimeUnit timedJoin(Ljava/lang/Thread;J)V
java/util/concurrent/TimeUnit sleep(J)V
java/util/concurrent/TimeUnit <clinit>()V
class java/util/concurrent/TimeoutException java/lang/Exception
java/util/concurrent/TimeoutException serialVersionUID
java/util/concurrent/TimeoutException <init>()V
java/util/concurrent/TimeoutException
 <init>(Ljava/lang/String;)V
class java/util/concurrent/atomic/AtomicBoolean java/lang/Object
java/util/concurrent/atomic/AtomicBoolean serialVersionUID
java/util/concurrent/atomic/AtomicBoolean unsafe
java/util/concurrent/atomic/AtomicBoolean valueOffset
java/util/concurrent/atomic/AtomicBoolean value
java/util/concurrent/atomic/AtomicBoolean <init>(Z)V
java/util/concurrent/atomic/AtomicBoolean <init>()V
java/util/concurrent/atomic/AtomicBoolean get()Z
java/util/concurrent/atomic/AtomicBoolean compareAndSet(ZZ)Z
java/util/concurrent/atomic/AtomicBoolean weakCompareAndSet(ZZ)Z
java/util/concurrent/atomic/AtomicBoolean set(Z)V
java/util/concurrent/atomic/AtomicBoolean getAndSet(Z)Z
java/util/concurrent/atomic/AtomicBoolean toString()Ljava/lang/String;
java/util/concurrent/atomic/AtomicBoolean <clinit>()V
class java/util/concurrent/atomic/AtomicInteger java/lang/Number
java/util/concurrent/atomic/AtomicInteger serialVersionUID
java/util/concurrent/atomic/AtomicInteger
 unsafe
java/util/concurrent/atomic/AtomicInteger valueOffset
java/util/concurrent/atomic/AtomicInteger value
java/util/concurrent/atomic/AtomicInteger <init>(I)V
java/util/concurrent/atomic/AtomicInteger <init>()V
java/util/concurrent/atomic/AtomicInteger get()I
java/util/concurrent/atomic/AtomicInteger set(I)V
java/util/concurrent/atomic/AtomicInteger getAndSet(I)I
java/util/concurrent/atomic/AtomicInteger compareAndSet(II)Z
java/util/concurrent/atomic/AtomicInteger weakCompareAndSet(II)Z
java/util/concurrent/atomic/AtomicInteger getAndIncrement()I
java/util/concurrent/atomic/AtomicInteger getAndDecrement()I
java/util/concurrent/atomic/AtomicInteger getAndAdd(I)I
java/util/concurrent/atomic/AtomicInteger incrementAndGet()I
java/util/concurrent/atomic/AtomicInteger decrementAndGet()I
java/util/concurrent/atomic/AtomicInteger addAndGet(I)I
java/util/concurrent/atomic/AtomicInteger toString()Ljava/lang/String;

java/util/concurrent/atomic/AtomicInteger intValue()I
java/util/concurrent/atomic/AtomicInteger
longValue()J
java/util/concurrent/atomic/AtomicInteger floatValue()F
java/util/concurrent/atomic/AtomicInteger doubleValue()D
java/util/concurrent/atomic/AtomicInteger <clinit>()V
class java/util/concurrent/atomic/AtomicIntegerArray java/lang/Object
java/util/concurrent/atomic/AtomicIntegerArray serialVersionUID
java/util/concurrent/atomic/AtomicIntegerArray unsafe
java/util/concurrent/atomic/AtomicIntegerArray base
java/util/concurrent/atomic/AtomicIntegerArray scale
java/util/concurrent/atomic/AtomicIntegerArray array
java/util/concurrent/atomic/AtomicIntegerArray rawIndex(I)J
java/util/concurrent/atomic/AtomicIntegerArray <init>(I)V
java/util/concurrent/atomic/AtomicIntegerArray <init>([I)V
java/util/concurrent/atomic/AtomicIntegerArray length()I
java/util/concurrent/atomic/AtomicIntegerArray get(I)I
java/util/concurrent/atomic/AtomicIntegerArray set(II)V
java/util/concurrent/atomic/AtomicIntegerArray getAndSet(II)I
java/util/concurrent/atomic/AtomicIntegerArray
compareAndSet(III)Z
java/util/concurrent/atomic/AtomicIntegerArray weakCompareAndSet(III)Z
java/util/concurrent/atomic/AtomicIntegerArray getAndIncrement(I)I
java/util/concurrent/atomic/AtomicIntegerArray getAndDecrement(I)I
java/util/concurrent/atomic/AtomicIntegerArray getAndAdd(II)I
java/util/concurrent/atomic/AtomicIntegerArray incrementAndGet(I)I
java/util/concurrent/atomic/AtomicIntegerArray decrementAndGet(I)I
java/util/concurrent/atomic/AtomicIntegerArray addAndGet(II)I
java/util/concurrent/atomic/AtomicIntegerArray toString()Ljava/lang/String;
java/util/concurrent/atomic/AtomicIntegerArray <clinit>()V
class java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl
java/util/concurrent/atomic/AtomicIntegerFieldUpdater
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl unsafe
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl offset
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl
tclass
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl cclass
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl
<init>(Ljava/lang/Class;Ljava/lang/String;)V
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl
compareAndSet(Ljava/lang/Object;II)Z
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl
weakCompareAndSet(Ljava/lang/Object;II)Z
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl set(Ljava/lang/Object;I)V
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl get(Ljava/lang/Object;)I
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl
ensureProtectedAccess(Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicIntegerFieldUpdater$AtomicIntegerFieldUpdaterImpl <clinit>()V

class java/util/concurrent/atomic/AtomicIntegerFieldUpdater
java/lang/Object
java/util/concurrent/atomic/AtomicIntegerFieldUpdater
newUpdater(Ljava/lang/Class;Ljava/lang/String;)Ljava/util/concurrent/atomic/AtomicIntegerFieldUpdater;
java/util/concurrent/atomic/AtomicIntegerFieldUpdater <init>()V
java/util/concurrent/atomic/AtomicIntegerFieldUpdater compareAndSet(Ljava/lang/Object;II)Z
java/util/concurrent/atomic/AtomicIntegerFieldUpdater weakCompareAndSet(Ljava/lang/Object;II)Z
java/util/concurrent/atomic/AtomicIntegerFieldUpdater set(Ljava/lang/Object;I)V
java/util/concurrent/atomic/AtomicIntegerFieldUpdater get(Ljava/lang/Object;)I
java/util/concurrent/atomic/AtomicIntegerFieldUpdater getAndSet(Ljava/lang/Object;I)I
java/util/concurrent/atomic/AtomicIntegerFieldUpdater getAndIncrement(Ljava/lang/Object;)I
java/util/concurrent/atomic/AtomicIntegerFieldUpdater getAndDecrement(Ljava/lang/Object;)I
java/util/concurrent/atomic/AtomicIntegerFieldUpdater getAndAdd(Ljava/lang/Object;I)I
java/util/concurrent/atomic/AtomicIntegerFieldUpdater
incrementAndGet(Ljava/lang/Object;)I
java/util/concurrent/atomic/AtomicIntegerFieldUpdater decrementAndGet(Ljava/lang/Object;)I
java/util/concurrent/atomic/AtomicIntegerFieldUpdater addAndGet(Ljava/lang/Object;I)I
class java/util/concurrent/atomic/AtomicLongArray java/lang/Object
java/util/concurrent/atomic/AtomicLongArray serialVersionUID
java/util/concurrent/atomic/AtomicLongArray unsafe
java/util/concurrent/atomic/AtomicLongArray base
java/util/concurrent/atomic/AtomicLongArray scale
java/util/concurrent/atomic/AtomicLongArray array
java/util/concurrent/atomic/AtomicLongArray rawIndex(I)J
java/util/concurrent/atomic/AtomicLongArray <init>(I)V
java/util/concurrent/atomic/AtomicLongArray <init>([J)V
java/util/concurrent/atomic/AtomicLongArray length()I
java/util/concurrent/atomic/AtomicLongArray get(I)J
java/util/concurrent/atomic/AtomicLongArray set(IJ)V
java/util/concurrent/atomic/AtomicLongArray getAndSet(IJ)J
java/util/concurrent/atomic/AtomicLongArray compareAndSet(IJJ)Z
java/util/concurrent/atomic/AtomicLongArray
weakCompareAndSet(IJJ)Z
java/util/concurrent/atomic/AtomicLongArray getAndIncrement(I)J
java/util/concurrent/atomic/AtomicLongArray getAndDecrement(I)J
java/util/concurrent/atomic/AtomicLongArray getAndAdd(IJ)J
java/util/concurrent/atomic/AtomicLongArray incrementAndGet(I)J
java/util/concurrent/atomic/AtomicLongArray decrementAndGet(I)J
java/util/concurrent/atomic/AtomicLongArray addAndGet(IJ)J
java/util/concurrent/atomic/AtomicLongArray toString()Ljava/lang/String;
java/util/concurrent/atomic/AtomicLongArray <clinit>()V
class java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater
java/util/concurrent/atomic/AtomicLongFieldUpdater
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater unsafe
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater offset
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater tclass
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater cclass
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater

<init>(Ljava/lang/Class;Ljava/lang/String;)V
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater compareAndSet(Ljava/lang/Object;JJ)Z
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater weakCompareAndSet(Ljava/lang/Object;JJ)Z
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater set(Ljava/lang/Object;J)V
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater get(Ljava/lang/Object;)J
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater ensureProtectedAccess(Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicLongFieldUpdater$CASUpdater <clinit>()V
class java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater
java/util/concurrent/atomic/AtomicLongFieldUpdater
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater unsafe
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater offset
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater tclass
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater
cclass
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater <init>(Ljava/lang/Class;Ljava/lang/String;)V
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater compareAndSet(Ljava/lang/Object;JJ)Z
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater weakCompareAndSet(Ljava/lang/Object;JJ)Z
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater set(Ljava/lang/Object;J)V
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater get(Ljava/lang/Object;)J
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater ensureProtectedAccess(Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicLongFieldUpdater$LockedUpdater <clinit>()V
class java/util/concurrent/atomic/AtomicLongFieldUpdater java/lang/Object
java/util/concurrent/atomic/AtomicLongFieldUpdater
newUpdater(Ljava/lang/Class;Ljava/lang/String;)Ljava/util/concurrent/atomic/AtomicLongFieldUpdater;
java/util/concurrent/atomic/AtomicLongFieldUpdater <init>()V
java/util/concurrent/atomic/AtomicLongFieldUpdater
compareAndSet(Ljava/lang/Object;JJ)Z
java/util/concurrent/atomic/AtomicLongFieldUpdater weakCompareAndSet(Ljava/lang/Object;JJ)Z
java/util/concurrent/atomic/AtomicLongFieldUpdater set(Ljava/lang/Object;J)V
java/util/concurrent/atomic/AtomicLongFieldUpdater get(Ljava/lang/Object;)J
java/util/concurrent/atomic/AtomicLongFieldUpdater getAndSet(Ljava/lang/Object;J)J
java/util/concurrent/atomic/AtomicLongFieldUpdater getAndIncrement(Ljava/lang/Object;)J
java/util/concurrent/atomic/AtomicLongFieldUpdater getAndDecrement(Ljava/lang/Object;)J
java/util/concurrent/atomic/AtomicLongFieldUpdater getAndAdd(Ljava/lang/Object;J)J
java/util/concurrent/atomic/AtomicLongFieldUpdater incrementAndGet(Ljava/lang/Object;)J
java/util/concurrent/atomic/AtomicLongFieldUpdater decrementAndGet(Ljava/lang/Object;)J
java/util/concurrent/atomic/AtomicLongFieldUpdater addAndGet(Ljava/lang/Object;J)J
class java/util/concurrent/atomic/AtomicMarkableReference$ReferenceBooleanPair
java/lang/Object
java/util/concurrent/atomic/AtomicMarkableReference$ReferenceBooleanPair reference
java/util/concurrent/atomic/AtomicMarkableReference$ReferenceBooleanPair bit
java/util/concurrent/atomic/AtomicMarkableReference$ReferenceBooleanPair <init>(Ljava/lang/Object;Z)V
java/util/concurrent/atomic/AtomicMarkableReference$ReferenceBooleanPair
access$000(Ljava/util/concurrent/atomic/AtomicMarkableReference$ReferenceBooleanPair;)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicMarkableReference$ReferenceBooleanPair
access$100(Ljava/util/concurrent/atomic/AtomicMarkableReference$ReferenceBooleanPair;)Z
class java/util/concurrent/atomic/AtomicMarkableReference java/lang/Object
java/util/concurrent/atomic/AtomicMarkableReference atomicRef

java/util/concurrent/atomic/AtomicMarkableReference <init>(Ljava/lang/Object;Z)V
java/util/concurrent/atomic/AtomicMarkableReference getReference()Ljava/lang/Object;
java/util/concurrent/atomic/AtomicMarkableReference isMarked()Z
java/util/concurrent/atomic/AtomicMarkableReference
get([Z)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicMarkableReference
weakCompareAndSet(Ljava/lang/Object;Ljava/lang/Object;ZZ)Z
java/util/concurrent/atomic/AtomicMarkableReference compareAndSet(Ljava/lang/Object;Ljava/lang/Object;ZZ)Z
java/util/concurrent/atomic/AtomicMarkableReference set(Ljava/lang/Object;Z)V
java/util/concurrent/atomic/AtomicMarkableReference attemptMark(Ljava/lang/Object;Z)Z
class java/util/concurrent/atomic/AtomicReference java/lang/Object
java/util/concurrent/atomic/AtomicReference serialVersionUID
java/util/concurrent/atomic/AtomicReference unsafe
java/util/concurrent/atomic/AtomicReference valueOffset
java/util/concurrent/atomic/AtomicReference value
java/util/concurrent/atomic/AtomicReference <init>(Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicReference <init>()V
java/util/concurrent/atomic/AtomicReference get()Ljava/lang/Object;
java/util/concurrent/atomic/AtomicReference set(Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicReference
compareAndSet(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/atomic/AtomicReference weakCompareAndSet(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/atomic/AtomicReference getAndSet(Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicReference toString()Ljava/lang/String;
java/util/concurrent/atomic/AtomicReference <clinit>()V
class java/util/concurrent/atomic/AtomicReferenceArray java/lang/Object
java/util/concurrent/atomic/AtomicReferenceArray serialVersionUID
java/util/concurrent/atomic/AtomicReferenceArray unsafe
java/util/concurrent/atomic/AtomicReferenceArray base
java/util/concurrent/atomic/AtomicReferenceArray scale
java/util/concurrent/atomic/AtomicReferenceArray array
java/util/concurrent/atomic/AtomicReferenceArray rawIndex(I)J
java/util/concurrent/atomic/AtomicReferenceArray <init>(I)V
java/util/concurrent/atomic/AtomicReferenceArray <init>([Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicReferenceArray
length()I
java/util/concurrent/atomic/AtomicReferenceArray get(I)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicReferenceArray set(ILjava/lang/Object;)V
java/util/concurrent/atomic/AtomicReferenceArray getAndSet(ILjava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicReferenceArray compareAndSet(ILjava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/atomic/AtomicReferenceArray weakCompareAndSet(ILjava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/atomic/AtomicReferenceArray toString()Ljava/lang/String;
java/util/concurrent/atomic/AtomicReferenceArray <clinit>()V
class java/util/concurrent/atomic/AtomicStampedReference$ReferenceIntegerPair java/lang/Object
java/util/concurrent/atomic/AtomicStampedReference$ReferenceIntegerPair reference
java/util/concurrent/atomic/AtomicStampedReference$ReferenceIntegerPair integer
java/util/concurrent/atomic/AtomicStampedReference$ReferenceIntegerPair <init>(Ljava/lang/Object;I)V
java/util/concurrent/atomic/AtomicStampedReference$ReferenceIntegerPair

access$000(Ljava/util/concurrent/atomic/AtomicStampedReference$ReferenceIntegerPair;)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicStampedReference$ReferenceIntegerPair
access$100(Ljava/util/concurrent/atomic/AtomicStampedReference$ReferenceIntegerPair;)I
class java/util/concurrent/atomic/AtomicStampedReference java/lang/Object
java/util/concurrent/atomic/AtomicStampedReference atomicRef
java/util/concurrent/atomic/AtomicStampedReference <init>(Ljava/lang/Object;I)V
java/util/concurrent/atomic/AtomicStampedReference getReference()Ljava/lang/Object;
java/util/concurrent/atomic/AtomicStampedReference getStamp()I
java/util/concurrent/atomic/AtomicStampedReference get([I)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicStampedReference
weakCompareAndSet(Ljava/lang/Object;Ljava/lang/Object;II)Z
java/util/concurrent/atomic/AtomicStampedReference compareAndSet(Ljava/lang/Object;Ljava/lang/Object;II)Z
java/util/concurrent/atomic/AtomicStampedReference
set(Ljava/lang/Object;I)V
java/util/concurrent/atomic/AtomicStampedReference attemptStamp(Ljava/lang/Object;I)Z
class java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject java/lang/Object
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject serialVersionUID
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject firstWaiter
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject lastWaiter
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject REINTERRUPT
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject THROW_IE
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject this$0
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject
<init>(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer;)V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject
addConditionWaiter()Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject
doSignal(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject
doSignalAll(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject signal()V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject signalAll()V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject unlinkCancelledWaiters()V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject awaitUninterruptibly()V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject
checkInterruptWhileWaiting(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)I
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject reportInterruptAfterWait(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject await()V
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject
awaitNanos(J)J
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject awaitUntil(Ljava/util/Date;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject await(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject
isOwnedBy(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject hasWaiters()Z
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject getWaitQueueLength()I
java/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject getWaitingThreads()Ljava/util/Collection;
class java/util/concurrent/locks/Condition java/lang/Object

java/util/concurrent/locks/Condition await()V
java/util/concurrent/locks/Condition awaitUninterruptibly()V
java/util/concurrent/locks/Condition awaitNanos(J)J
java/util/concurrent/locks/Condition await(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/locks/Condition
awaitUntil(Ljava/util/Date;)Z
java/util/concurrent/locks/Condition signal()V
java/util/concurrent/locks/Condition signalAll()V
class java/util/concurrent/locks/LockSupport java/lang/Object
java/util/concurrent/locks/LockSupport unsafe
java/util/concurrent/locks/LockSupport <init>()V
java/util/concurrent/locks/LockSupport unpark(Ljava/lang/Thread;)V
java/util/concurrent/locks/LockSupport park()V
java/util/concurrent/locks/LockSupport parkNanos(J)V
java/util/concurrent/locks/LockSupport parkUntil(J)V
java/util/concurrent/locks/LockSupport <clinit>()V
class java/util/concurrent/locks/ReadWriteLock java/lang/Object
java/util/concurrent/locks/ReadWriteLock readLock()Ljava/util/concurrent/locks/Lock;
java/util/concurrent/locks/ReadWriteLock writeLock()Ljava/util/concurrent/locks/Lock;
class java/util/concurrent/locks/ReentrantLock$FairSync java/util/concurrent/locks/ReentrantLock$Sync
java/util/concurrent/locks/ReentrantLock$FairSync <init>()V
java/util/concurrent/locks/ReentrantLock$FairSync
lock()V
java/util/concurrent/locks/ReentrantLock$FairSync tryAcquire(I)Z
class java/util/concurrent/locks/ReentrantReadWriteLock$FairSync
java/util/concurrent/locks/ReentrantReadWriteLock$Sync
java/util/concurrent/locks/ReentrantReadWriteLock$FairSync <init>()V
java/util/concurrent/locks/ReentrantReadWriteLock$FairSync tryAcquire(I)Z
java/util/concurrent/locks/ReentrantReadWriteLock$FairSync tryAcquireShared(I)I
java/util/concurrent/locks/ReentrantReadWriteLock$FairSync wlock()V
class java/util/concurrent/locks/ReentrantReadWriteLock$NonfairSync
java/util/concurrent/locks/ReentrantReadWriteLock$Sync
java/util/concurrent/locks/ReentrantReadWriteLock$NonfairSync <init>()V
java/util/concurrent/locks/ReentrantReadWriteLock$NonfairSync tryAcquire(I)Z
java/util/concurrent/locks/ReentrantReadWriteLock$NonfairSync tryAcquireShared(I)I
java/util/concurrent/locks/ReentrantReadWriteLock$NonfairSync wlock()V
class java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock
java/lang/Object
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock serialVersionUID
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock sync
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock
<init>(Ljava/util/concurrent/locks/ReentrantReadWriteLock;)V
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock lock()V
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock lockInterruptibly()V
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock tryLock()Z
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock tryLock(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock unlock()V
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock

newCondition()Ljava/util/concurrent/locks/Condition;
java/util/concurrent/locks/ReentrantReadWriteLock$ReadLock toString()Ljava/lang/String;
class java/util/concurrent/locks/ReentrantReadWriteLock$Sync
java/util/concurrent/locks/AbstractQueuedSynchronizer
java/util/concurrent/locks/ReentrantReadWriteLock$Sync
owner
java/util/concurrent/locks/ReentrantReadWriteLock$Sync <init>()V
java/util/concurrent/locks/ReentrantReadWriteLock$Sync wlock()V
java/util/concurrent/locks/ReentrantReadWriteLock$Sync nonfairTryAcquire(I)Z
java/util/concurrent/locks/ReentrantReadWriteLock$Sync nonfairTryAcquireShared(I)I
java/util/concurrent/locks/ReentrantReadWriteLock$Sync tryRelease(I)Z
java/util/concurrent/locks/ReentrantReadWriteLock$Sync tryReleaseShared(I)Z
java/util/concurrent/locks/ReentrantReadWriteLock$Sync isHeldExclusively()Z
java/util/concurrent/locks/ReentrantReadWriteLock$Sync
newCondition()Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject;
java/util/concurrent/locks/ReentrantReadWriteLock$Sync getOwner()Ljava/lang/Thread;
java/util/concurrent/locks/ReentrantReadWriteLock$Sync getReadLockCount()I
java/util/concurrent/locks/ReentrantReadWriteLock$Sync isWriteLocked()Z
java/util/concurrent/locks/ReentrantReadWriteLock$Sync
getWriteHoldCount()I
java/util/concurrent/locks/ReentrantReadWriteLock$Sync readObject(Ljava/io/ObjectInputStream;)V
java/util/concurrent/locks/ReentrantReadWriteLock$Sync getCount()I
class java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock java/lang/Object
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock serialVersionUID
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock sync
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock
<init>(Ljava/util/concurrent/locks/ReentrantReadWriteLock;)V
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock lock()V
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock lockInterruptibly()V
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock tryLock()Z
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock tryLock(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock unlock()V
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock
newCondition()Ljava/util/concurrent/locks/Condition;
java/util/concurrent/locks/ReentrantReadWriteLock$WriteLock
toString()Ljava/lang/String;
class java/util/concurrent/locks/ReentrantReadWriteLock java/lang/Object
java/util/concurrent/locks/ReentrantReadWriteLock serialVersionUID
java/util/concurrent/locks/ReentrantReadWriteLock readerLock
java/util/concurrent/locks/ReentrantReadWriteLock writerLock
java/util/concurrent/locks/ReentrantReadWriteLock sync
java/util/concurrent/locks/ReentrantReadWriteLock SHARED_SHIFT
java/util/concurrent/locks/ReentrantReadWriteLock SHARED_UNIT
java/util/concurrent/locks/ReentrantReadWriteLock EXCLUSIVE_MASK
java/util/concurrent/locks/ReentrantReadWriteLock <init>()V
java/util/concurrent/locks/ReentrantReadWriteLock <init>(Z)V
java/util/concurrent/locks/ReentrantReadWriteLock
writeLock()Ljava/util/concurrent/locks/ReentrantReadWriteLock$WriteLock;

java/util/concurrent/locks/ReentrantReadWriteLock
readLock()Ljava/util/concurrent/locks/ReentrantReadWriteLock$ReadLock;
java/util/concurrent/locks/ReentrantReadWriteLock
sharedCount(I)I
java/util/concurrent/locks/ReentrantReadWriteLock exclusiveCount(I)I
java/util/concurrent/locks/ReentrantReadWriteLock isFair()Z
java/util/concurrent/locks/ReentrantReadWriteLock getOwner()Ljava/lang/Thread;
java/util/concurrent/locks/ReentrantReadWriteLock getReadLockCount()I
java/util/concurrent/locks/ReentrantReadWriteLock isWriteLocked()Z
java/util/concurrent/locks/ReentrantReadWriteLock isWriteLockedByCurrentThread()Z
java/util/concurrent/locks/ReentrantReadWriteLock getWriteHoldCount()I
java/util/concurrent/locks/ReentrantReadWriteLock getQueuedWriterThreads()Ljava/util/Collection;
java/util/concurrent/locks/ReentrantReadWriteLock getQueuedReaderThreads()Ljava/util/Collection;
java/util/concurrent/locks/ReentrantReadWriteLock hasQueuedThreads()Z
java/util/concurrent/locks/ReentrantReadWriteLock hasQueuedThread(Ljava/lang/Thread;)Z
java/util/concurrent/locks/ReentrantReadWriteLock getQueueLength()I
java/util/concurrent/locks/ReentrantReadWriteLock
getQueuedThreads()Ljava/util/Collection;
java/util/concurrent/locks/ReentrantReadWriteLock hasWaiters(Ljava/util/concurrent/locks/Condition;)Z
java/util/concurrent/locks/ReentrantReadWriteLock getWaitQueueLength(Ljava/util/concurrent/locks/Condition;)I
java/util/concurrent/locks/ReentrantReadWriteLock
getWaitingThreads(Ljava/util/concurrent/locks/Condition;)Ljava/util/Collection;
java/util/concurrent/locks/ReentrantReadWriteLock toString()Ljava/lang/String;
java/util/concurrent/locks/ReentrantReadWriteLock writeLock()Ljava/util/concurrent/locks/Lock;
java/util/concurrent/locks/ReentrantReadWriteLock readLock()Ljava/util/concurrent/locks/Lock;
java/util/concurrent/locks/ReentrantReadWriteLock
access$000(Ljava/util/concurrent/locks/ReentrantReadWriteLock;)Ljava/util/concurrent/locks/ReentrantReadWrite
Lock$Sync;
class java/util/jar/JarException java/util/zip/ZipException
java/util/jar/JarException <init>()V
java/util/jar/JarException <init>(Ljava/lang/String;)V
class
java/util/jar/JarOutputStream java/util/zip/ZipOutputStream
java/util/jar/JarOutputStream JAR_MAGIC
java/util/jar/JarOutputStream firstEntry
java/util/jar/JarOutputStream <init>(Ljava/io/OutputStream;Ljava/util/jar/Manifest;)V
java/util/jar/JarOutputStream <init>(Ljava/io/OutputStream;)V
java/util/jar/JarOutputStream putNextEntry(Ljava/util/zip/ZipEntry;)V
java/util/jar/JarOutputStream hasMagic([B)Z
java/util/jar/JarOutputStream get16([BI)I
java/util/jar/JarOutputStream set16([BII)V
class java/util/jar/Pack200$Packer java/lang/Object
java/util/jar/Pack200$Packer SEGMENT_LIMIT
java/util/jar/Pack200$Packer KEEP_FILE_ORDER
java/util/jar/Pack200$Packer EFFORT
java/util/jar/Pack200$Packer DEFLATE_HINT
java/util/jar/Pack200$Packer MODIFICATION_TIME
java/util/jar/Pack200$Packer PASS_FILE_PFX

java/util/jar/Pack200$Packer UNKNOWN_ATTRIBUTE
java/util/jar/Pack200$Packer CLASS_ATTRIBUTE_PFX
java/util/jar/Pack200$Packer FIELD_ATTRIBUTE_PFX
java/util/jar/Pack200$Packer METHOD_ATTRIBUTE_PFX
java/util/jar/Pack200$Packer
CODE_ATTRIBUTE_PFX
java/util/jar/Pack200$Packer PROGRESS
java/util/jar/Pack200$Packer KEEP
java/util/jar/Pack200$Packer PASS
java/util/jar/Pack200$Packer STRIP
java/util/jar/Pack200$Packer ERROR
java/util/jar/Pack200$Packer TRUE
java/util/jar/Pack200$Packer FALSE
java/util/jar/Pack200$Packer LATEST
java/util/jar/Pack200$Packer properties()Ljava/util/SortedMap;
java/util/jar/Pack200$Packer pack(Ljava/util/jar/JarFile;Ljava/io/OutputStream;)V
java/util/jar/Pack200$Packer pack(Ljava/util/jar/JarInputStream;Ljava/io/OutputStream;)V
java/util/jar/Pack200$Packer addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/util/jar/Pack200$Packer removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
class java/util/jar/Pack200$Unpacker java/lang/Object
java/util/jar/Pack200$Unpacker KEEP
java/util/jar/Pack200$Unpacker TRUE
java/util/jar/Pack200$Unpacker FALSE
java/util/jar/Pack200$Unpacker DEFLATE_HINT
java/util/jar/Pack200$Unpacker PROGRESS
java/util/jar/Pack200$Unpacker
properties()Ljava/util/SortedMap;
java/util/jar/Pack200$Unpacker unpack(Ljava/io/InputStream;Ljava/util/jar/JarOutputStream;)V
java/util/jar/Pack200$Unpacker unpack(Ljava/io/File;Ljava/util/jar/JarOutputStream;)V
java/util/jar/Pack200$Unpacker addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/util/jar/Pack200$Unpacker removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
class java/util/jar/Pack200 java/lang/Object
java/util/jar/Pack200 PACK_PROVIDER
java/util/jar/Pack200 UNPACK_PROVIDER
java/util/jar/Pack200 packerImpl
java/util/jar/Pack200 unpackerImpl
java/util/jar/Pack200 <init>()V
java/util/jar/Pack200 newPacker()Ljava/util/jar/Pack200$Packer;
java/util/jar/Pack200 newUnpacker()Ljava/util/jar/Pack200$Unpacker;
java/util/jar/Pack200 newInstance(Ljava/lang/String;)Ljava/lang/Object;
class java/util/logging/ConsoleHandler java/util/logging/StreamHandler
java/util/logging/ConsoleHandler configure()V
java/util/logging/ConsoleHandler
<init>()V
java/util/logging/ConsoleHandler publish(Ljava/util/logging/LogRecord;)V
java/util/logging/ConsoleHandler close()V
class java/util/logging/ErrorManager java/lang/Object
java/util/logging/ErrorManager reported

java/util/logging/ErrorManager GENERIC_FAILURE
java/util/logging/ErrorManager WRITE_FAILURE
java/util/logging/ErrorManager FLUSH_FAILURE
java/util/logging/ErrorManager CLOSE_FAILURE
java/util/logging/ErrorManager OPEN_FAILURE
java/util/logging/ErrorManager FORMAT_FAILURE
java/util/logging/ErrorManager <init>()V
java/util/logging/ErrorManager error(Ljava/lang/String;Ljava/lang/Exception;I)V
class java/util/logging/FileHandler$1 java/lang/Object
java/util/logging/FileHandler$1 this$0
java/util/logging/FileHandler$1 <init>(Ljava/util/logging/FileHandler;)V
java/util/logging/FileHandler$1 run()Ljava/lang/Object;
class java/util/logging/FileHandler$InitializationErrorManager java/util/logging/ErrorManager
java/util/logging/FileHandler$InitializationErrorManager
 lastException
java/util/logging/FileHandler$InitializationErrorManager <init>()V
java/util/logging/FileHandler$InitializationErrorManager error(Ljava/lang/String;Ljava/lang/Exception;I)V
java/util/logging/FileHandler$InitializationErrorManager <init>(Ljava/util/logging/FileHandler$1;)V
class java/util/logging/FileHandler$MeteredStream java/io/OutputStream
java/util/logging/FileHandler$MeteredStream out
java/util/logging/FileHandler$MeteredStream written
java/util/logging/FileHandler$MeteredStream this$0
java/util/logging/FileHandler$MeteredStream <init>(Ljava/util/logging/FileHandler;Ljava/io/OutputStream;I)V
java/util/logging/FileHandler$MeteredStream write(I)V
java/util/logging/FileHandler$MeteredStream write([B)V
java/util/logging/FileHandler$MeteredStream write([BII)V
java/util/logging/FileHandler$MeteredStream flush()V
java/util/logging/FileHandler$MeteredStream close()V
class java/util/logging/FileHandler java/util/logging/StreamHandler
java/util/logging/FileHandler meter
java/util/logging/FileHandler
 append
java/util/logging/FileHandler limit
java/util/logging/FileHandler count
java/util/logging/FileHandler pattern
java/util/logging/FileHandler lockFileName
java/util/logging/FileHandler lockStream
java/util/logging/FileHandler files
java/util/logging/FileHandler MAX_LOCKS
java/util/logging/FileHandler locks
java/util/logging/FileHandler open(Ljava/io/File;Z)V
java/util/logging/FileHandler configure()V
java/util/logging/FileHandler <init>()V
java/util/logging/FileHandler <init>(Ljava/lang/String;)V
java/util/logging/FileHandler <init>(Ljava/lang/String;Z)V
java/util/logging/FileHandler <init>(Ljava/lang/String;II)V
java/util/logging/FileHandler <init>(Ljava/lang/String;IIZ)V
java/util/logging/FileHandler openFiles()V

java/util/logging/FileHandler generate(Ljava/lang/String;II)Ljava/io/File;
java/util/logging/FileHandler rotate()V
java/util/logging/FileHandler publish(Ljava/util/logging/LogRecord;)V
java/util/logging/FileHandler close()V
java/util/logging/FileHandler
 isSetUID()Z
java/util/logging/FileHandler access$100(Ljava/util/logging/FileHandler;)V
java/util/logging/FileHandler <clinit>()V
class java/util/logging/Filter java/lang/Object
java/util/logging/Filter isLoggable(Ljava/util/logging/LogRecord;)Z
class java/util/logging/Formatter java/lang/Object
java/util/logging/Formatter <init>()V
java/util/logging/Formatter format(Ljava/util/logging/LogRecord;)Ljava/lang/String;
java/util/logging/Formatter getHead(Ljava/util/logging/Handler;)Ljava/lang/String;
java/util/logging/Formatter getTail(Ljava/util/logging/Handler;)Ljava/lang/String;
java/util/logging/Formatter formatMessage(Ljava/util/logging/LogRecord;)Ljava/lang/String;
class java/util/logging/LogManager$3 java/lang/Object
java/util/logging/LogManager$3 val$name
java/util/logging/LogManager$3 this$0
java/util/logging/LogManager$3 <init>(Ljava/util/logging/LogManager;Ljava/lang/String;)V
java/util/logging/LogManager$3 run()Ljava/lang/Object;
class java/util/logging/LogManager$4 java/lang/Object
java/util/logging/LogManager$4
 val$nname
java/util/logging/LogManager$4 this$0
java/util/logging/LogManager$4 <init>(Ljava/util/logging/LogManager;Ljava/lang/String;)V
java/util/logging/LogManager$4 run()Ljava/lang/Object;
class java/util/logging/LogManager$5 java/lang/Object
java/util/logging/LogManager$5 val$logger
java/util/logging/LogManager$5 val$level
java/util/logging/LogManager$5 <init>(Ljava/util/logging/Logger;Ljava/util/logging/Level;)V
java/util/logging/LogManager$5 run()Ljava/lang/Object;
class java/util/logging/LogManager$6 java/lang/Object
java/util/logging/LogManager$6 val$logger
java/util/logging/LogManager$6 val$parent
java/util/logging/LogManager$6 <init>(Ljava/util/logging/Logger;Ljava/util/logging/Logger;)V
java/util/logging/LogManager$6 run()Ljava/lang/Object;
class java/util/logging/LogManager$7 java/lang/Object
java/util/logging/LogManager$7 this$0
java/util/logging/LogManager$7 <init>(Ljava/util/logging/LogManager;)V
java/util/logging/LogManager$7
 run()Ljava/lang/Object;
class java/util/logging/LogRecord java/lang/Object
java/util/logging/LogRecord globalSequenceNumber
java/util/logging/LogRecord nextThreadId
java/util/logging/LogRecord threadIds
java/util/logging/LogRecord level
java/util/logging/LogRecord sequenceNumber

java/util/logging/LogRecord sourceClassName
java/util/logging/LogRecord sourceMethodName
java/util/logging/LogRecord message
java/util/logging/LogRecord threadID
java/util/logging/LogRecord millis
java/util/logging/LogRecord thrown
java/util/logging/LogRecord loggerName
java/util/logging/LogRecord resourceBundleName
java/util/logging/LogRecord needToInferCaller
java/util/logging/LogRecord parameters
java/util/logging/LogRecord resourceBundle
java/util/logging/LogRecord serialVersionUID
java/util/logging/LogRecord <init>(Ljava/util/logging/Level;Ljava/lang/String;)V
java/util/logging/LogRecord getLoggerName()Ljava/lang/String;
java/util/logging/LogRecord setLoggerName(Ljava/lang/String;)V
java/util/logging/LogRecord
getResourceBundle()Ljava/util/ResourceBundle;
java/util/logging/LogRecord setResourceBundle(Ljava/util/ResourceBundle;)V
java/util/logging/LogRecord getResourceBundleName()Ljava/lang/String;
java/util/logging/LogRecord setResourceBundleName(Ljava/lang/String;)V
java/util/logging/LogRecord getLevel()Ljava/util/logging/Level;
java/util/logging/LogRecord setLevel(Ljava/util/logging/Level;)V
java/util/logging/LogRecord getSequenceNumber()J
java/util/logging/LogRecord setSequenceNumber(J)V
java/util/logging/LogRecord getSourceClassName()Ljava/lang/String;
java/util/logging/LogRecord setSourceClassName(Ljava/lang/String;)V
java/util/logging/LogRecord getSourceMethodName()Ljava/lang/String;
java/util/logging/LogRecord setSourceMethodName(Ljava/lang/String;)V
java/util/logging/LogRecord getMessage()Ljava/lang/String;
java/util/logging/LogRecord setMessage(Ljava/lang/String;)V
java/util/logging/LogRecord getParameters()[Ljava/lang/Object;
java/util/logging/LogRecord setParameters([Ljava/lang/Object;)V
java/util/logging/LogRecord
getThreadID()I
java/util/logging/LogRecord setThreadID(I)V
java/util/logging/LogRecord getMillis()J
java/util/logging/LogRecord setMillis(J)V
java/util/logging/LogRecord getThrown()Ljava/lang/Throwable;
java/util/logging/LogRecord setThrown(Ljava/lang/Throwable;)V
java/util/logging/LogRecord writeObject(Ljava/io/ObjectOutputStream;)V
java/util/logging/LogRecord readObject(Ljava/io/ObjectInputStream;)V
java/util/logging/LogRecord inferCaller()V
java/util/logging/LogRecord <clinit>()V
class java/util/logging/Logging sun/management/MXBeanSupport
java/util/logging/Logging logManager
java/util/logging/Logging EMPTY_STRING
java/util/logging/Logging <init>()V
java/util/logging/Logging getLoggerNames()Ljava/util/List;

java/util/logging/Logging getLoggerLevel(Ljava/lang/String;)Ljava/lang/String;
java/util/logging/Logging setLoggerLevel(Ljava/lang/String;Ljava/lang/String;)V
java/util/logging/Logging getParentLoggerName(Ljava/lang/String;)Ljava/lang/String;
java/util/logging/Logging
 <clinit>()V
class java/util/logging/LoggingMXBean java/lang/Object
java/util/logging/LoggingMXBean getLoggerNames()Ljava/util/List;
java/util/logging/LoggingMXBean getLoggerLevel(Ljava/lang/String;)Ljava/lang/String;
java/util/logging/LoggingMXBean setLoggerLevel(Ljava/lang/String;Ljava/lang/String;)V
java/util/logging/LoggingMXBean getParentLoggerName(Ljava/lang/String;)Ljava/lang/String;
class java/util/logging/MemoryHandler java/util/logging/Handler
java/util/logging/MemoryHandler DEFAULT_SIZE
java/util/logging/MemoryHandler pushLevel
java/util/logging/MemoryHandler size
java/util/logging/MemoryHandler target
java/util/logging/MemoryHandler buffer
java/util/logging/MemoryHandler start
java/util/logging/MemoryHandler count
java/util/logging/MemoryHandler configure()V
java/util/logging/MemoryHandler <init>()V
java/util/logging/MemoryHandler init()V
java/util/logging/MemoryHandler <init>(Ljava/util/logging/Handler;ILjava/util/logging/Level;)V
java/util/logging/MemoryHandler
 publish(Ljava/util/logging/LogRecord;)V
java/util/logging/MemoryHandler push()V
java/util/logging/MemoryHandler flush()V
java/util/logging/MemoryHandler close()V
java/util/logging/MemoryHandler setPushLevel(Ljava/util/logging/Level;)V
java/util/logging/MemoryHandler getPushLevel()Ljava/util/logging/Level;
java/util/logging/MemoryHandler isLoggable(Ljava/util/logging/LogRecord;)Z
class java/util/logging/SimpleFormatter java/util/logging/Formatter
java/util/logging/SimpleFormatter dat
java/util/logging/SimpleFormatter format
java/util/logging/SimpleFormatter formatter
java/util/logging/SimpleFormatter args
java/util/logging/SimpleFormatter lineSeparator
java/util/logging/SimpleFormatter <init>()V
java/util/logging/SimpleFormatter format(Ljava/util/logging/LogRecord;)Ljava/lang/String;
class java/util/logging/SocketHandler java/util/logging/StreamHandler
java/util/logging/SocketHandler sock
java/util/logging/SocketHandler host
java/util/logging/SocketHandler port
java/util/logging/SocketHandler
 portProperty
java/util/logging/SocketHandler configure()V
java/util/logging/SocketHandler <init>()V
java/util/logging/SocketHandler <init>(Ljava/lang/String;I)V
java/util/logging/SocketHandler connect()V

java/util/logging/SocketHandler close()V
java/util/logging/SocketHandler publish(Ljava/util/logging/LogRecord;)V
class java/util/logging/StreamHandler java/util/logging/Handler
java/util/logging/StreamHandler manager
java/util/logging/StreamHandler output
java/util/logging/StreamHandler doneHeader
java/util/logging/StreamHandler writer
java/util/logging/StreamHandler configure()V
java/util/logging/StreamHandler <init>()V
java/util/logging/StreamHandler <init>(Ljava/io/OutputStream;Ljava/util/logging/Formatter;)V
java/util/logging/StreamHandler setOutputStream(Ljava/io/OutputStream;)V
java/util/logging/StreamHandler setEncoding(Ljava/lang/String;)V
java/util/logging/StreamHandler publish(Ljava/util/logging/LogRecord;)V
java/util/logging/StreamHandler isLoggable(Ljava/util/logging/LogRecord;)Z
java/util/logging/StreamHandler
 flush()V
java/util/logging/StreamHandler flushAndClose()V
java/util/logging/StreamHandler close()V
class java/util/logging/XMLFormatter java/util/logging/Formatter
java/util/logging/XMLFormatter manager
java/util/logging/XMLFormatter <init>()V
java/util/logging/XMLFormatter a2(Ljava/lang/StringBuffer;I)V
java/util/logging/XMLFormatter appendISO8601(Ljava/lang/StringBuffer;J)V
java/util/logging/XMLFormatter escape(Ljava/lang/StringBuffer;Ljava/lang/String;)V
java/util/logging/XMLFormatter format(Ljava/util/logging/LogRecord;)Ljava/lang/String;
java/util/logging/XMLFormatter getHead(Ljava/util/logging/Handler;)Ljava/lang/String;
java/util/logging/XMLFormatter getTail(Ljava/util/logging/Handler;)Ljava/lang/String;
class java/util/prefs/AbstractPreferences$1 java/lang/Object
java/util/prefs/AbstractPreferences$1 this$0
java/util/prefs/AbstractPreferences$1 <init>(Ljava/util/prefs/AbstractPreferences;)V
java/util/prefs/AbstractPreferences$1
 run()Ljava/lang/Object;
class java/util/prefs/AbstractPreferences$EventDispatchThread java/lang/Thread
java/util/prefs/AbstractPreferences$EventDispatchThread <init>()V
java/util/prefs/AbstractPreferences$EventDispatchThread run()V
java/util/prefs/AbstractPreferences$EventDispatchThread <init>(Ljava/util/prefs/AbstractPreferences$1;)V
class java/util/prefs/AbstractPreferences$NodeAddedEvent java/util/prefs/NodeChangeEvent
java/util/prefs/AbstractPreferences$NodeAddedEvent serialVersionUID
java/util/prefs/AbstractPreferences$NodeAddedEvent this$0
java/util/prefs/AbstractPreferences$NodeAddedEvent
<init>(Ljava/util/prefs/AbstractPreferences;Ljava/util/prefs/Preferences;Ljava/util/prefs/Preferences;)V
class java/util/prefs/AbstractPreferences$NodeRemovedEvent java/util/prefs/NodeChangeEvent
java/util/prefs/AbstractPreferences$NodeRemovedEvent serialVersionUID
java/util/prefs/AbstractPreferences$NodeRemovedEvent this$0
java/util/prefs/AbstractPreferences$NodeRemovedEvent
<init>(Ljava/util/prefs/AbstractPreferences;Ljava/util/prefs/Preferences;Ljava/util/prefs/Preferences;)V
class

java/util/prefs/AbstractPreferences java/util/prefs/Preferences
java/util/prefs/AbstractPreferences name
java/util/prefs/AbstractPreferences absolutePath
java/util/prefs/AbstractPreferences parent
java/util/prefs/AbstractPreferences root
java/util/prefs/AbstractPreferences newNode
java/util/prefs/AbstractPreferences kidCache
java/util/prefs/AbstractPreferences removed
java/util/prefs/AbstractPreferences prefListeners
java/util/prefs/AbstractPreferences nodeListeners
java/util/prefs/AbstractPreferences lock
java/util/prefs/AbstractPreferences EMPTY_STRING_ARRAY
java/util/prefs/AbstractPreferences EMPTY_ABSTRACT_PREFS_ARRAY
java/util/prefs/AbstractPreferences eventQueue
java/util/prefs/AbstractPreferences eventDispatchThread
java/util/prefs/AbstractPreferences <init>(Ljava/util/prefs/AbstractPreferences;Ljava/lang/String;)V
java/util/prefs/AbstractPreferences put(Ljava/lang/String;Ljava/lang/String;)V
java/util/prefs/AbstractPreferences
get(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/util/prefs/AbstractPreferences remove(Ljava/lang/String;)V
java/util/prefs/AbstractPreferences clear()V
java/util/prefs/AbstractPreferences putInt(Ljava/lang/String;I)V
java/util/prefs/AbstractPreferences getInt(Ljava/lang/String;I)I
java/util/prefs/AbstractPreferences putLong(Ljava/lang/String;J)V
java/util/prefs/AbstractPreferences getLong(Ljava/lang/String;J)J
java/util/prefs/AbstractPreferences putBoolean(Ljava/lang/String;Z)V
java/util/prefs/AbstractPreferences getBoolean(Ljava/lang/String;Z)Z
java/util/prefs/AbstractPreferences putFloat(Ljava/lang/String;F)V
java/util/prefs/AbstractPreferences getFloat(Ljava/lang/String;F)F
java/util/prefs/AbstractPreferences putDouble(Ljava/lang/String;D)V
java/util/prefs/AbstractPreferences getDouble(Ljava/lang/String;D)D
java/util/prefs/AbstractPreferences putByteArray(Ljava/lang/String;[B)V
java/util/prefs/AbstractPreferences
getByteArray(Ljava/lang/String;[B)[B
java/util/prefs/AbstractPreferences keys()[Ljava/lang/String;
java/util/prefs/AbstractPreferences childrenNames()[Ljava/lang/String;
java/util/prefs/AbstractPreferences cachedChildren()[Ljava/util/prefs/AbstractPreferences;
java/util/prefs/AbstractPreferences parent()Ljava/util/prefs/Preferences;
java/util/prefs/AbstractPreferences node(Ljava/lang/String;)Ljava/util/prefs/Preferences;
java/util/prefs/AbstractPreferences node(Ljava/util/StringTokenizer;)Ljava/util/prefs/Preferences;
java/util/prefs/AbstractPreferences nodeExists(Ljava/lang/String;)Z
java/util/prefs/AbstractPreferences nodeExists(Ljava/util/StringTokenizer;)Z
java/util/prefs/AbstractPreferences removeNode()V
java/util/prefs/AbstractPreferences removeNode2()V
java/util/prefs/AbstractPreferences name()Ljava/lang/String;
java/util/prefs/AbstractPreferences absolutePath()Ljava/lang/String;
java/util/prefs/AbstractPreferences isUserNode()Z
java/util/prefs/AbstractPreferences addPreferenceChangeListener(Ljava/util/prefs/PreferenceChangeListener;)V

java/util/prefs/AbstractPreferences
removePreferenceChangeListener(Ljava/util/prefs/PreferenceChangeListener;)V
java/util/prefs/AbstractPreferences addNodeChangeListener(Ljava/util/prefs/NodeChangeListener;)V
java/util/prefs/AbstractPreferences removeNodeChangeListener(Ljava/util/prefs/NodeChangeListener;)V
java/util/prefs/AbstractPreferences putSpi(Ljava/lang/String;Ljava/lang/String;)V
java/util/prefs/AbstractPreferences getSpi(Ljava/lang/String;)Ljava/lang/String;
java/util/prefs/AbstractPreferences removeSpi(Ljava/lang/String;)V
java/util/prefs/AbstractPreferences removeNodeSpi()V
java/util/prefs/AbstractPreferences keysSpi()[Ljava/lang/String;
java/util/prefs/AbstractPreferences childrenNamesSpi()[Ljava/lang/String;
java/util/prefs/AbstractPreferences getChild(Ljava/lang/String;)Ljava/util/prefs/AbstractPreferences;
java/util/prefs/AbstractPreferences childSpi(Ljava/lang/String;)Ljava/util/prefs/AbstractPreferences;
java/util/prefs/AbstractPreferences
toString()Ljava/lang/String;
java/util/prefs/AbstractPreferences sync()V
java/util/prefs/AbstractPreferences sync2()V
java/util/prefs/AbstractPreferences syncSpi()V
java/util/prefs/AbstractPreferences flush()V
java/util/prefs/AbstractPreferences flush2()V
java/util/prefs/AbstractPreferences flushSpi()V
java/util/prefs/AbstractPreferences isRemoved()Z
java/util/prefs/AbstractPreferences startEventDispatchThreadIfNecessary()V
java/util/prefs/AbstractPreferences prefListeners()[Ljava/util/prefs/PreferenceChangeListener;
java/util/prefs/AbstractPreferences nodeListeners()[Ljava/util/prefs/NodeChangeListener;
java/util/prefs/AbstractPreferences enqueuePreferenceChangeEvent(Ljava/lang/String;Ljava/lang/String;)V
java/util/prefs/AbstractPreferences enqueueNodeAddedEvent(Ljava/util/prefs/Preferences;)V
java/util/prefs/AbstractPreferences enqueueNodeRemovedEvent(Ljava/util/prefs/Preferences;)V
java/util/prefs/AbstractPreferences exportNode(Ljava/io/OutputStream;)V
java/util/prefs/AbstractPreferences
exportSubtree(Ljava/io/OutputStream;)V
java/util/prefs/AbstractPreferences
access$000(Ljava/util/prefs/AbstractPreferences;)Ljava/util/prefs/AbstractPreferences;
java/util/prefs/AbstractPreferences access$100()Ljava/util/List;
java/util/prefs/AbstractPreferences <clinit>()V
class java/util/prefs/BackingStoreException java/lang/Exception
java/util/prefs/BackingStoreException serialVersionUID
java/util/prefs/BackingStoreException <init>(Ljava/lang/String;)V
java/util/prefs/BackingStoreException <init>(Ljava/lang/Throwable;)V
class java/util/prefs/Base64 java/lang/Object
java/util/prefs/Base64 intToBase64
java/util/prefs/Base64 intToAltBase64
java/util/prefs/Base64 base64ToInt
java/util/prefs/Base64 altBase64ToInt
java/util/prefs/Base64 <init>()V
java/util/prefs/Base64 byteArrayToBase64([B)Ljava/lang/String;
java/util/prefs/Base64 byteArrayToAltBase64([B)Ljava/lang/String;
java/util/prefs/Base64 byteArrayToBase64([BZ)Ljava/lang/String;
java/util/prefs/Base64

base64ToByteArray(Ljava/lang/String;)[B
java/util/prefs/Base64 altBase64ToByteArray(Ljava/lang/String;)[B
java/util/prefs/Base64 base64ToByteArray(Ljava/lang/String;Z)[B
java/util/prefs/Base64 base64toInt(C[B)I
java/util/prefs/Base64 main([Ljava/lang/String;)V
java/util/prefs/Base64 <clinit>()V
class java/util/prefs/InvalidPreferencesFormatException java/lang/Exception
java/util/prefs/InvalidPreferencesFormatException serialVersionUID
java/util/prefs/InvalidPreferencesFormatException <init>(Ljava/lang/Throwable;)V
java/util/prefs/InvalidPreferencesFormatException <init>(Ljava/lang/String;)V
java/util/prefs/InvalidPreferencesFormatException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
class java/util/prefs/NodeChangeEvent java/util/EventObject
java/util/prefs/NodeChangeEvent child
java/util/prefs/NodeChangeEvent serialVersionUID
java/util/prefs/NodeChangeEvent <init>(Ljava/util/prefs/Preferences;Ljava/util/prefs/Preferences;)V
java/util/prefs/NodeChangeEvent getParent()Ljava/util/prefs/Preferences;
java/util/prefs/NodeChangeEvent
getChild()Ljava/util/prefs/Preferences;
java/util/prefs/NodeChangeEvent writeObject(Ljava/io/ObjectOutputStream;)V
java/util/prefs/NodeChangeEvent readObject(Ljava/io/ObjectInputStream;)V
class java/util/prefs/NodeChangeListener java/lang/Object
java/util/prefs/NodeChangeListener childAdded(Ljava/util/prefs/NodeChangeEvent;)V
java/util/prefs/NodeChangeListener childRemoved(Ljava/util/prefs/NodeChangeEvent;)V
class java/util/prefs/PreferenceChangeEvent java/util/EventObject
java/util/prefs/PreferenceChangeEvent key
java/util/prefs/PreferenceChangeEvent newValue
java/util/prefs/PreferenceChangeEvent serialVersionUID
java/util/prefs/PreferenceChangeEvent <init>(Ljava/util/prefs/Preferences;Ljava/lang/String;Ljava/lang/String;)V
java/util/prefs/PreferenceChangeEvent getNode()Ljava/util/prefs/Preferences;
java/util/prefs/PreferenceChangeEvent getKey()Ljava/lang/String;
java/util/prefs/PreferenceChangeEvent getNewValue()Ljava/lang/String;
java/util/prefs/PreferenceChangeEvent
writeObject(Ljava/io/ObjectOutputStream;)V
java/util/prefs/PreferenceChangeEvent readObject(Ljava/io/ObjectInputStream;)V
class java/util/prefs/PreferenceChangeListener java/lang/Object
java/util/prefs/PreferenceChangeListener preferenceChange(Ljava/util/prefs/PreferenceChangeEvent;)V
class java/util/prefs/Preferences$1 java/lang/Object
java/util/prefs/Preferences$1 <init>()V
java/util/prefs/Preferences$1 run()Ljava/lang/String;
java/util/prefs/Preferences$1 run()Ljava/lang/Object;
class java/util/prefs/Preferences$2 java/lang/Object
java/util/prefs/Preferences$2 <init>()V
java/util/prefs/Preferences$2 run()Ljava/util/prefs/PreferencesFactory;
java/util/prefs/Preferences$2 run()Ljava/lang/Object;
class java/util/prefs/Preferences java/lang/Object
java/util/prefs/Preferences factory
java/util/prefs/Preferences MAX_KEY_LENGTH
java/util/prefs/Preferences MAX_VALUE_LENGTH

java/util/prefs/Preferences MAX_NAME_LENGTH
java/util/prefs/Preferences prefsPerm
java/util/prefs/Preferences
factory()Ljava/util/prefs/PreferencesFactory;
java/util/prefs/Preferences factory1()Ljava/util/prefs/PreferencesFactory;
java/util/prefs/Preferences userNodeForPackage(Ljava/lang/Class;)Ljava/util/prefs/Preferences;
java/util/prefs/Preferences systemNodeForPackage(Ljava/lang/Class;)Ljava/util/prefs/Preferences;
java/util/prefs/Preferences nodeName(Ljava/lang/Class;)Ljava/lang/String;
java/util/prefs/Preferences userRoot()Ljava/util/prefs/Preferences;
java/util/prefs/Preferences systemRoot()Ljava/util/prefs/Preferences;
java/util/prefs/Preferences <init>()V
java/util/prefs/Preferences put(Ljava/lang/String;Ljava/lang/String;)V
java/util/prefs/Preferences get(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/util/prefs/Preferences remove(Ljava/lang/String;)V
java/util/prefs/Preferences clear()V
java/util/prefs/Preferences putInt(Ljava/lang/String;I)V
java/util/prefs/Preferences getInt(Ljava/lang/String;I)I
java/util/prefs/Preferences putLong(Ljava/lang/String;J)V
java/util/prefs/Preferences
getLong(Ljava/lang/String;J)J
java/util/prefs/Preferences putBoolean(Ljava/lang/String;Z)V
java/util/prefs/Preferences getBoolean(Ljava/lang/String;Z)Z
java/util/prefs/Preferences putFloat(Ljava/lang/String;F)V
java/util/prefs/Preferences getFloat(Ljava/lang/String;F)F
java/util/prefs/Preferences putDouble(Ljava/lang/String;D)V
java/util/prefs/Preferences getDouble(Ljava/lang/String;D)D
java/util/prefs/Preferences putByteArray(Ljava/lang/String;[B)V
java/util/prefs/Preferences getByteArray(Ljava/lang/String;[B)[B
java/util/prefs/Preferences keys()[Ljava/lang/String;
java/util/prefs/Preferences childrenNames()[Ljava/lang/String;
java/util/prefs/Preferences parent()Ljava/util/prefs/Preferences;
java/util/prefs/Preferences node(Ljava/lang/String;)Ljava/util/prefs/Preferences;
java/util/prefs/Preferences nodeExists(Ljava/lang/String;)Z
java/util/prefs/Preferences removeNode()V
java/util/prefs/Preferences name()Ljava/lang/String;
java/util/prefs/Preferences
absolutePath()Ljava/lang/String;
java/util/prefs/Preferences isUserNode()Z
java/util/prefs/Preferences toString()Ljava/lang/String;
java/util/prefs/Preferences flush()V
java/util/prefs/Preferences sync()V
java/util/prefs/Preferences addPreferenceChangeListener(Ljava/util/prefs/PreferenceChangeListener;)V
java/util/prefs/Preferences removePreferenceChangeListener(Ljava/util/prefs/PreferenceChangeListener;)V
java/util/prefs/Preferences addNodeChangeListener(Ljava/util/prefs/NodeChangeListener;)V
java/util/prefs/Preferences removeNodeChangeListener(Ljava/util/prefs/NodeChangeListener;)V
java/util/prefs/Preferences exportNode(Ljava/io/OutputStream;)V
java/util/prefs/Preferences exportSubtree(Ljava/io/OutputStream;)V
java/util/prefs/Preferences importPreferences(Ljava/io/InputStream;)V

java/util/prefs/Preferences access$000()Ljava/util/prefs/PreferencesFactory;
java/util/prefs/Preferences <clinit>()V
class java/util/prefs/PreferencesFactory java/lang/Object
java/util/prefs/PreferencesFactory
systemRoot()Ljava/util/prefs/Preferences;
java/util/prefs/PreferencesFactory userRoot()Ljava/util/prefs/Preferences;
class java/util/prefs/WindowsPreferences java/util/prefs/AbstractPreferences
java/util/prefs/WindowsPreferences logger
java/util/prefs/WindowsPreferences WINDOWS_ROOT_PATH
java/util/prefs/WindowsPreferences HKEY_CURRENT_USER
java/util/prefs/WindowsPreferences HKEY_LOCAL_MACHINE
java/util/prefs/WindowsPreferences USER_ROOT_NATIVE_HANDLE
java/util/prefs/WindowsPreferences SYSTEM_ROOT_NATIVE_HANDLE
java/util/prefs/WindowsPreferences MAX_WINDOWS_PATH_LENGTH
java/util/prefs/WindowsPreferences userRoot
java/util/prefs/WindowsPreferences systemRoot
java/util/prefs/WindowsPreferences ERROR_SUCCESS
java/util/prefs/WindowsPreferences ERROR_FILE_NOT_FOUND
java/util/prefs/WindowsPreferences ERROR_ACCESS_DENIED
java/util/prefs/WindowsPreferences NATIVE_HANDLE
java/util/prefs/WindowsPreferences ERROR_CODE
java/util/prefs/WindowsPreferences SUBKEYS_NUMBER
java/util/prefs/WindowsPreferences
VALUES_NUMBER
java/util/prefs/WindowsPreferences MAX_KEY_LENGTH
java/util/prefs/WindowsPreferences MAX_VALUE_NAME_LENGTH
java/util/prefs/WindowsPreferences DISPOSITION
java/util/prefs/WindowsPreferences REG_CREATED_NEW_KEY
java/util/prefs/WindowsPreferences REG_OPENED_EXISTING_KEY
java/util/prefs/WindowsPreferences NULL_NATIVE_HANDLE
java/util/prefs/WindowsPreferences DELETE
java/util/prefs/WindowsPreferences KEY_QUERY_VALUE
java/util/prefs/WindowsPreferences KEY_SET_VALUE
java/util/prefs/WindowsPreferences KEY_CREATE_SUB_KEY
java/util/prefs/WindowsPreferences KEY_ENUMERATE_SUB_KEYS
java/util/prefs/WindowsPreferences KEY_READ
java/util/prefs/WindowsPreferences KEY_WRITE
java/util/prefs/WindowsPreferences KEY_ALL_ACCESS
java/util/prefs/WindowsPreferences INIT_SLEEP_TIME
java/util/prefs/WindowsPreferences MAX_ATTEMPTS
java/util/prefs/WindowsPreferences isBackingStoreAvailable
java/util/prefs/WindowsPreferences WindowsRegOpenKey(I[BI)[I
java/util/prefs/WindowsPreferences
WindowsRegOpenKey1(I[BI)[I
java/util/prefs/WindowsPreferences WindowsRegCloseKey(I)I
java/util/prefs/WindowsPreferences WindowsRegCreateKeyEx(I[B)[I
java/util/prefs/WindowsPreferences WindowsRegCreateKeyEx1(I[B)[I
java/util/prefs/WindowsPreferences WindowsRegDeleteKey(I[B)I

java/util/prefs/WindowsPreferences WindowsRegFlushKey(I)I
java/util/prefs/WindowsPreferences WindowsRegFlushKey1(I)I
java/util/prefs/WindowsPreferences WindowsRegQueryValueEx(I[B)[B
java/util/prefs/WindowsPreferences WindowsRegSetValueEx(I[B[B)I
java/util/prefs/WindowsPreferences WindowsRegSetValueEx1(I[B[B)I
java/util/prefs/WindowsPreferences WindowsRegDeleteValue(I[B)I
java/util/prefs/WindowsPreferences WindowsRegQueryInfoKey(I)[I
java/util/prefs/WindowsPreferences WindowsRegQueryInfoKey1(I)[I
java/util/prefs/WindowsPreferences WindowsRegEnumKeyEx(III)[B
java/util/prefs/WindowsPreferences WindowsRegEnumKeyEx1(III)[B
java/util/prefs/WindowsPreferences WindowsRegEnumValue(III)[B
java/util/prefs/WindowsPreferences
WindowsRegEnumValue1(III)[B
java/util/prefs/WindowsPreferences <init>(Ljava/util/prefs/WindowsPreferences;Ljava/lang/String;)V
java/util/prefs/WindowsPreferences <init>(I[B)V
java/util/prefs/WindowsPreferences windowsAbsolutePath()[B
java/util/prefs/WindowsPreferences openKey(I)I
java/util/prefs/WindowsPreferences openKey(II)I
java/util/prefs/WindowsPreferences openKey([BII)I
java/util/prefs/WindowsPreferences openKey(I[BII)I
java/util/prefs/WindowsPreferences closeKey(I)V
java/util/prefs/WindowsPreferences putSpi(Ljava/lang/String;Ljava/lang/String;)V
java/util/prefs/WindowsPreferences getSpi(Ljava/lang/String;)Ljava/lang/String;
java/util/prefs/WindowsPreferences removeSpi(Ljava/lang/String;)V
java/util/prefs/WindowsPreferences keysSpi()[Ljava/lang/String;
java/util/prefs/WindowsPreferences childrenNamesSpi()[Ljava/lang/String;
java/util/prefs/WindowsPreferences flush()V
java/util/prefs/WindowsPreferences sync()V
java/util/prefs/WindowsPreferences childSpi(Ljava/lang/String;)Ljava/util/prefs/AbstractPreferences;
java/util/prefs/WindowsPreferences
removeNodeSpi()V
java/util/prefs/WindowsPreferences toJavaName([B)Ljava/lang/String;
java/util/prefs/WindowsPreferences toJavaAlt64Name(Ljava/lang/String;)Ljava/lang/String;
java/util/prefs/WindowsPreferences toWindowsName(Ljava/lang/String;)[B
java/util/prefs/WindowsPreferences toWindowsAlt64Name(Ljava/lang/String;)[B
java/util/prefs/WindowsPreferences toJavaValueString([B)Ljava/lang/String;
java/util/prefs/WindowsPreferences toWindowsValueString(Ljava/lang/String;)[B
java/util/prefs/WindowsPreferences rootNativeHandle()I
java/util/prefs/WindowsPreferences stringToByteArray(Ljava/lang/String;)[B
java/util/prefs/WindowsPreferences byteArrayToString([B)Ljava/lang/String;
java/util/prefs/WindowsPreferences flushSpi()V
java/util/prefs/WindowsPreferences syncSpi()V
java/util/prefs/WindowsPreferences logger()Ljava/util/logging/Logger;
java/util/prefs/WindowsPreferences <clinit>()V
class java/util/prefs/WindowsPreferencesFactory
java/lang/Object
java/util/prefs/WindowsPreferencesFactory <init>()V
java/util/prefs/WindowsPreferencesFactory userRoot()Ljava/util/prefs/Preferences;

java/util/prefs/WindowsPreferencesFactory systemRoot()Ljava/util/prefs/Preferences;
class java/util/prefs/XmlSupport$1 java/lang/Object
class java/util/prefs/XmlSupport$EH java/lang/Object
java/util/prefs/XmlSupport$EH <init>()V
java/util/prefs/XmlSupport$EH error(Lorg/xml/sax/SAXParseException;)V
java/util/prefs/XmlSupport$EH fatalError(Lorg/xml/sax/SAXParseException;)V
java/util/prefs/XmlSupport$EH warning(Lorg/xml/sax/SAXParseException;)V
java/util/prefs/XmlSupport$EH <init>(Ljava/util/prefs/XmlSupport$1;)V
class java/util/prefs/XmlSupport$Resolver java/lang/Object
java/util/prefs/XmlSupport$Resolver <init>()V
java/util/prefs/XmlSupport$Resolver resolveEntity(Ljava/lang/String;Ljava/lang/String;)Lorg/xml/sax/InputSource;
java/util/prefs/XmlSupport$Resolver <init>(Ljava/util/prefs/XmlSupport$1;)V
class java/util/prefs/XmlSupport
java/lang/Object
java/util/prefs/XmlSupport PREFS_DTD_URI
java/util/prefs/XmlSupport PREFS_DTD
java/util/prefs/XmlSupport EXTERNAL_XML_VERSION
java/util/prefs/XmlSupport MAP_XML_VERSION
java/util/prefs/XmlSupport <init>()V
java/util/prefs/XmlSupport export(Ljava/io/OutputStream;Ljava/util/prefs/Preferences;Z)V
java/util/prefs/XmlSupport
putPreferencesInXml(Lorg/w3c/dom/Element;Lorg/w3c/dom/Document;Ljava/util/prefs/Preferences;Z)V
java/util/prefs/XmlSupport importPreferences(Ljava/io/InputStream;)V
java/util/prefs/XmlSupport createPrefsDoc(Ljava/lang/String;)Lorg/w3c/dom/Document;
java/util/prefs/XmlSupport loadPrefsDoc(Ljava/io/InputStream;)Lorg/w3c/dom/Document;
java/util/prefs/XmlSupport writeDoc(Lorg/w3c/dom/Document;Ljava/io/OutputStream;)V
java/util/prefs/XmlSupport ImportSubtree(Ljava/util/prefs/Preferences;Lorg/w3c/dom/Element;)V
java/util/prefs/XmlSupport ImportPrefs(Ljava/util/prefs/Preferences;Lorg/w3c/dom/Element;)V
java/util/prefs/XmlSupport exportMap(Ljava/io/OutputStream;Ljava/util/Map;)V
java/util/prefs/XmlSupport
importMap(Ljava/io/InputStream;Ljava/util/Map;)V
class java/util/regex/Pattern$Add java/util/regex/Pattern$Node
java/util/regex/Pattern$Add lhs
java/util/regex/Pattern$Add rhs
java/util/regex/Pattern$Add <init>(Ljava/util/regex/Pattern$Node;Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Add match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Add study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$BackRef java/util/regex/Pattern$Node
java/util/regex/Pattern$BackRef groupIndex
java/util/regex/Pattern$BackRef <init>(I)V
java/util/regex/Pattern$BackRef match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$BackRef study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Behind java/util/regex/Pattern$Node
java/util/regex/Pattern$Behind cond
java/util/regex/Pattern$Behind rmax
java/util/regex/Pattern$Behind rmin
java/util/regex/Pattern$Behind

<init>(Ljava/util/regex/Pattern$Node;II)V
java/util/regex/Pattern$Behind match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$BehindS java/util/regex/Pattern$Behind
java/util/regex/Pattern$BehindS <init>(Ljava/util/regex/Pattern$Node;II)V
java/util/regex/Pattern$BehindS match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$BnM java/util/regex/Pattern$Node
java/util/regex/Pattern$BnM buffer
java/util/regex/Pattern$BnM lastOcc
java/util/regex/Pattern$BnM optoSft
java/util/regex/Pattern$BnM optimize(Ljava/util/regex/Pattern$Node;)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$BnM <init>([I[I[ILjava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$BnM match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$BnM study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$BnMS java/util/regex/Pattern$BnM
java/util/regex/Pattern$BnMS lengthInChars
java/util/regex/Pattern$BnMS
<init>([I[I[ILjava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$BnMS match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Both java/util/regex/Pattern$Node
java/util/regex/Pattern$Both lhs
java/util/regex/Pattern$Both rhs
java/util/regex/Pattern$Both <init>(Ljava/util/regex/Pattern$Node;Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Both match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Both study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Bound java/util/regex/Pattern$Node
java/util/regex/Pattern$Bound LEFT
java/util/regex/Pattern$Bound RIGHT
java/util/regex/Pattern$Bound BOTH
java/util/regex/Pattern$Bound NONE
java/util/regex/Pattern$Bound type
java/util/regex/Pattern$Bound <init>(I)V
java/util/regex/Pattern$Bound check(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)I
java/util/regex/Pattern$Bound match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Bound
<clinit>()V
class java/util/regex/Pattern$CIBackRef java/util/regex/Pattern$Node
java/util/regex/Pattern$CIBackRef groupIndex
java/util/regex/Pattern$CIBackRef <init>(I)V
java/util/regex/Pattern$CIBackRef match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$CIBackRef study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$CINotRange java/util/regex/Pattern$NotRange
java/util/regex/Pattern$CINotRange lower
java/util/regex/Pattern$CINotRange upper
java/util/regex/Pattern$CINotRange <init>(I)V
java/util/regex/Pattern$CINotRange <init>(II)V
java/util/regex/Pattern$CINotRange dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$CINotRange match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$CIRange java/util/regex/Pattern$Range

java/util/regex/Pattern$CIRange <init>(I)V
java/util/regex/Pattern$CIRange <init>(II)V
java/util/regex/Pattern$CIRange dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$CIRange
match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Caret java/util/regex/Pattern$Node
java/util/regex/Pattern$Caret <init>()V
java/util/regex/Pattern$Caret match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Conditional java/util/regex/Pattern$Node
java/util/regex/Pattern$Conditional cond
java/util/regex/Pattern$Conditional yes
java/util/regex/Pattern$Conditional not
java/util/regex/Pattern$Conditional
<init>(Ljava/util/regex/Pattern$Node;Ljava/util/regex/Pattern$Node;Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Conditional match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Conditional study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Dollar java/util/regex/Pattern$Node
java/util/regex/Pattern$Dollar multiline
java/util/regex/Pattern$Dollar <init>(Z)V
java/util/regex/Pattern$Dollar match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Dollar
study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Dot java/util/regex/Pattern$Node
java/util/regex/Pattern$Dot <init>()V
java/util/regex/Pattern$Dot match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Dot study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$End java/util/regex/Pattern$Node
java/util/regex/Pattern$End <init>()V
java/util/regex/Pattern$End match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$GroupRef java/util/regex/Pattern$Node
java/util/regex/Pattern$GroupRef head
java/util/regex/Pattern$GroupRef <init>(Ljava/util/regex/Pattern$GroupHead;)V
java/util/regex/Pattern$GroupRef match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$GroupRef study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$LastMatch java/util/regex/Pattern$Node
java/util/regex/Pattern$LastMatch
<init>()V
java/util/regex/Pattern$LastMatch match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$LazyLoop java/util/regex/Pattern$Loop
java/util/regex/Pattern$LazyLoop <init>(II)V
java/util/regex/Pattern$LazyLoop match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$LazyLoop matchInit(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$LazyLoop study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Loop java/util/regex/Pattern$Node
java/util/regex/Pattern$Loop body
java/util/regex/Pattern$Loop countIndex
java/util/regex/Pattern$Loop beginIndex
java/util/regex/Pattern$Loop cmin

java/util/regex/Pattern$Loop cmax
java/util/regex/Pattern$Loop <init>(II)V
java/util/regex/Pattern$Loop match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Loop matchInit(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Loop study(Ljava/util/regex/Pattern$TreeInfo;)Z
class
java/util/regex/Pattern$Neg java/util/regex/Pattern$Node
java/util/regex/Pattern$Neg cond
java/util/regex/Pattern$Neg <init>(Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Neg match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Not java/util/regex/Pattern$Node
java/util/regex/Pattern$Not atom
java/util/regex/Pattern$Not <init>(Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Not match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Not study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$NotBehind java/util/regex/Pattern$Node
java/util/regex/Pattern$NotBehind cond
java/util/regex/Pattern$NotBehind rmax
java/util/regex/Pattern$NotBehind rmin
java/util/regex/Pattern$NotBehind <init>(Ljava/util/regex/Pattern$Node;II)V
java/util/regex/Pattern$NotBehind match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$NotBehindS java/util/regex/Pattern$NotBehind
java/util/regex/Pattern$NotBehindS
<init>(Ljava/util/regex/Pattern$Node;II)V
java/util/regex/Pattern$NotBehindS match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$NotCtype java/util/regex/Pattern$Node
java/util/regex/Pattern$NotCtype ctype
java/util/regex/Pattern$NotCtype <init>(I)V
java/util/regex/Pattern$NotCtype dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$NotCtype match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$NotCtype study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$NotRange java/util/regex/Pattern$Node
java/util/regex/Pattern$NotRange lower
java/util/regex/Pattern$NotRange upper
java/util/regex/Pattern$NotRange <init>()V
java/util/regex/Pattern$NotRange <init>(I)V
java/util/regex/Pattern$NotRange <init>(II)V
java/util/regex/Pattern$NotRange dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$NotRange match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$NotRange
study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$NotSingle java/util/regex/Pattern$Node
java/util/regex/Pattern$NotSingle ch
java/util/regex/Pattern$NotSingle <init>(I)V
java/util/regex/Pattern$NotSingle dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$NotSingle match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$NotSingle study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$NotSingleA java/util/regex/Pattern$Node

java/util/regex/Pattern$NotSingleA ch
java/util/regex/Pattern$NotSingleA <init>(I)V
java/util/regex/Pattern$NotSingleA dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$NotSingleA match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$NotSingleA study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$NotSingleU java/util/regex/Pattern$Node
java/util/regex/Pattern$NotSingleU ch
java/util/regex/Pattern$NotSingleU
<init>(I)V
java/util/regex/Pattern$NotSingleU dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$NotSingleU match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$NotSingleU study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Pos java/util/regex/Pattern$Node
java/util/regex/Pattern$Pos cond
java/util/regex/Pattern$Pos <init>(Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Pos match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Prolog java/util/regex/Pattern$Node
java/util/regex/Pattern$Prolog loop
java/util/regex/Pattern$Prolog <init>(Ljava/util/regex/Pattern$Loop;)V
java/util/regex/Pattern$Prolog match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Prolog study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$SingleA java/util/regex/Pattern$Node
java/util/regex/Pattern$SingleA ch
java/util/regex/Pattern$SingleA
<init>(I)V
java/util/regex/Pattern$SingleA dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$SingleA match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$SingleA study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$SingleU java/util/regex/Pattern$Node
java/util/regex/Pattern$SingleU ch
java/util/regex/Pattern$SingleU len
java/util/regex/Pattern$SingleU <init>(I)V
java/util/regex/Pattern$SingleU dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$SingleU match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$SingleU study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$SliceA java/util/regex/Pattern$Node
java/util/regex/Pattern$SliceA buffer
java/util/regex/Pattern$SliceA <init>([I)V
java/util/regex/Pattern$SliceA match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$SliceA study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$SliceS
java/util/regex/Pattern$Slice
java/util/regex/Pattern$SliceS <init>([I)V
java/util/regex/Pattern$SliceS match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$SliceU java/util/regex/Pattern$Node
java/util/regex/Pattern$SliceU buffer
java/util/regex/Pattern$SliceU <init>([I)V
java/util/regex/Pattern$SliceU match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z

java/util/regex/Pattern$SliceU study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Specials java/util/regex/Pattern$Node
java/util/regex/Pattern$Specials <init>()V
java/util/regex/Pattern$Specials dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$Specials match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Specials study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$StartS java/util/regex/Pattern$Start
java/util/regex/Pattern$StartS <init>(Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$StartS
 match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Sub java/util/regex/Pattern$Add
java/util/regex/Pattern$Sub <init>(Ljava/util/regex/Pattern$Node;Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Sub match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Sub study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$UBlock java/util/regex/Pattern$Node
java/util/regex/Pattern$UBlock block
java/util/regex/Pattern$UBlock complementMe
java/util/regex/Pattern$UBlock <init>()V
java/util/regex/Pattern$UBlock <init>(Ljava/lang/Character$UnicodeBlock;Z)V
java/util/regex/Pattern$UBlock dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$UBlock match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$UBlock notMatch(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$UBlock study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$UnixCaret
 java/util/regex/Pattern$Node
java/util/regex/Pattern$UnixCaret <init>()V
java/util/regex/Pattern$UnixCaret match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$UnixDollar java/util/regex/Pattern$Node
java/util/regex/Pattern$UnixDollar multiline
java/util/regex/Pattern$UnixDollar <init>(Z)V
java/util/regex/Pattern$UnixDollar match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$UnixDollar study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$UnixDot java/util/regex/Pattern$Node
java/util/regex/Pattern$UnixDot <init>()V
java/util/regex/Pattern$UnixDot match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$UnixDot study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/PatternSyntaxException java/lang/IllegalArgumentException
java/util/regex/PatternSyntaxException desc
java/util/regex/PatternSyntaxException pattern
java/util/regex/PatternSyntaxException
 index
java/util/regex/PatternSyntaxException nl
java/util/regex/PatternSyntaxException <init>(Ljava/lang/String;Ljava/lang/String;I)V
java/util/regex/PatternSyntaxException getIndex()I
java/util/regex/PatternSyntaxException getDescription()Ljava/lang/String;
java/util/regex/PatternSyntaxException getPattern()Ljava/lang/String;
java/util/regex/PatternSyntaxException getMessage()Ljava/lang/String;
java/util/regex/PatternSyntaxException <clinit>()V

class java/util/zip/Adler32 java/lang/Object
java/util/zip/Adler32 adler
java/util/zip/Adler32 <init>()V
java/util/zip/Adler32 update(I)V
java/util/zip/Adler32 update([BII)V
java/util/zip/Adler32 update([B)V
java/util/zip/Adler32 reset()V
java/util/zip/Adler32 getValue()J
java/util/zip/Adler32 update(II)I
java/util/zip/Adler32 updateBytes(I[BII)I
class java/util/zip/CheckedInputStream java/io/FilterInputStream
java/util/zip/CheckedInputStream cksum
java/util/zip/CheckedInputStream <init>(Ljava/io/InputStream;Ljava/util/zip/Checksum;)V
java/util/zip/CheckedInputStream
 read()I
java/util/zip/CheckedInputStream read([BII)I
java/util/zip/CheckedInputStream skip(J)J
java/util/zip/CheckedInputStream getChecksum()Ljava/util/zip/Checksum;
class java/util/zip/CheckedOutputStream java/io/FilterOutputStream
java/util/zip/CheckedOutputStream cksum
java/util/zip/CheckedOutputStream <init>(Ljava/io/OutputStream;Ljava/util/zip/Checksum;)V
java/util/zip/CheckedOutputStream write(I)V
java/util/zip/CheckedOutputStream write([BII)V
java/util/zip/CheckedOutputStream getChecksum()Ljava/util/zip/Checksum;
class java/util/zip/DataFormatException java/lang/Exception
java/util/zip/DataFormatException <init>()V
java/util/zip/DataFormatException <init>(Ljava/lang/String;)V
class java/util/zip/Deflater java/lang/Object
java/util/zip/Deflater strm
java/util/zip/Deflater buf
java/util/zip/Deflater off
java/util/zip/Deflater len
java/util/zip/Deflater level
java/util/zip/Deflater strategy
java/util/zip/Deflater setParams
java/util/zip/Deflater finish
java/util/zip/Deflater
 finished
java/util/zip/Deflater DEFLATED
java/util/zip/Deflater NO_COMPRESSION
java/util/zip/Deflater BEST_SPEED
java/util/zip/Deflater BEST_COMPRESSION
java/util/zip/Deflater DEFAULT_COMPRESSION
java/util/zip/Deflater FILTERED
java/util/zip/Deflater HUFFMAN_ONLY
java/util/zip/Deflater DEFAULT_STRATEGY
java/util/zip/Deflater <init>(IZ)V
java/util/zip/Deflater <init>(I)V

java/util/zip/Deflater <init>()V
java/util/zip/Deflater setInput([BII)V
java/util/zip/Deflater setInput([B)V
java/util/zip/Deflater setDictionary([BII)V
java/util/zip/Deflater setDictionary([B)V
java/util/zip/Deflater setStrategy(I)V
java/util/zip/Deflater setLevel(I)V
java/util/zip/Deflater needsInput()Z
java/util/zip/Deflater finish()V
java/util/zip/Deflater finished()Z
java/util/zip/Deflater deflate([BII)I
java/util/zip/Deflater deflate([B)I
java/util/zip/Deflater getAdler()I
java/util/zip/Deflater getTotalIn()I
java/util/zip/Deflater getBytesRead()J
java/util/zip/Deflater getTotalOut()I
java/util/zip/Deflater
 getBytesWritten()J
java/util/zip/Deflater reset()V
java/util/zip/Deflater end()V
java/util/zip/Deflater finalize()V
java/util/zip/Deflater ensureOpen()V
java/util/zip/Deflater initIDs()V
java/util/zip/Deflater init(IIZ)J
java/util/zip/Deflater setDictionary(J[BII)V
java/util/zip/Deflater deflateBytes([BII)I
java/util/zip/Deflater getAdler(J)I
java/util/zip/Deflater getBytesRead(J)J
java/util/zip/Deflater getBytesWritten(J)J
java/util/zip/Deflater reset(J)V
java/util/zip/Deflater end(J)V
java/util/zip/Deflater <clinit>()V
class java/util/zip/GZIPOutputStream java/util/zip/DeflaterOutputStream
java/util/zip/GZIPOutputStream crc
java/util/zip/GZIPOutputStream GZIP_MAGIC
java/util/zip/GZIPOutputStream TRAILER_SIZE
java/util/zip/GZIPOutputStream header
java/util/zip/GZIPOutputStream <init>(Ljava/io/OutputStream;I)V
java/util/zip/GZIPOutputStream <init>(Ljava/io/OutputStream;)V
java/util/zip/GZIPOutputStream write([BII)V
java/util/zip/GZIPOutputStream finish()V
java/util/zip/GZIPOutputStream
 writeHeader()V
java/util/zip/GZIPOutputStream writeTrailer([BI)V
java/util/zip/GZIPOutputStream writeInt(I[BI)V
java/util/zip/GZIPOutputStream writeShort(I[BI)V
java/util/zip/GZIPOutputStream <clinit>()V
class java/util/zip/ZipFile$1 java/lang/Object

java/util/zip/ZipFile$1 <init>()V
java/util/zip/ZipFile$1 run()Ljava/lang/Object;
class java/util/zip/ZipFile$MappedZipFileInputStream java/util/zip/ZipFile$ZipFileInputStream
java/util/zip/ZipFile$MappedZipFileInputStream directBuffer
java/util/zip/ZipFile$MappedZipFileInputStream name
java/util/zip/ZipFile$MappedZipFileInputStream this$0
java/util/zip/ZipFile$MappedZipFileInputStream <init>(Ljava/util/zip/ZipFile;JLjava/lang/String;)V
java/util/zip/ZipFile$MappedZipFileInputStream getByteBuffer()Ljava/nio/ByteBuffer;
java/util/zip/ZipFile$MappedZipFileInputStream read([BII)I
java/util/zip/ZipFile$MappedZipFileInputStream read()I
java/util/zip/ZipFile$MappedZipFileInputStream skip(J)J
java/util/zip/ZipFile$MappedZipFileInputStream
 available()I
java/util/zip/ZipFile$MappedZipFileInputStream size()J
java/util/zip/ZipFile$MappedZipFileInputStream close()V
class java/util/zip/ZipFile$ZipCloser java/lang/Object
java/util/zip/ZipFile$ZipCloser mappedFileID
java/util/zip/ZipFile$ZipCloser <init>(J)V
java/util/zip/ZipFile$ZipCloser setClosed()V
java/util/zip/ZipFile$ZipCloser run()V
java/util/zip/ZipFile$ZipCloser <init>(JLjava/util/zip/ZipFile$1;)V
class java/util/zip/ZipOutputStream java/util/zip/DeflaterOutputStream
java/util/zip/ZipOutputStream entry
java/util/zip/ZipOutputStream entries
java/util/zip/ZipOutputStream names
java/util/zip/ZipOutputStream crc
java/util/zip/ZipOutputStream written
java/util/zip/ZipOutputStream locoff
java/util/zip/ZipOutputStream comment
java/util/zip/ZipOutputStream method
java/util/zip/ZipOutputStream finished
java/util/zip/ZipOutputStream closed
java/util/zip/ZipOutputStream STORED
java/util/zip/ZipOutputStream DEFLATED
java/util/zip/ZipOutputStream ensureOpen()V
java/util/zip/ZipOutputStream
 <init>(Ljava/io/OutputStream;)V
java/util/zip/ZipOutputStream setComment(Ljava/lang/String;)V
java/util/zip/ZipOutputStream setMethod(I)V
java/util/zip/ZipOutputStream setLevel(I)V
java/util/zip/ZipOutputStream putNextEntry(Ljava/util/zip/ZipEntry;)V
java/util/zip/ZipOutputStream closeEntry()V
java/util/zip/ZipOutputStream write([BII)V
java/util/zip/ZipOutputStream finish()V
java/util/zip/ZipOutputStream close()V
java/util/zip/ZipOutputStream writeLOC(Ljava/util/zip/ZipEntry;)V
java/util/zip/ZipOutputStream writeEXT(Ljava/util/zip/ZipEntry;)V
java/util/zip/ZipOutputStream writeCEN(Ljava/util/zip/ZipEntry;)V

java/util/zip/ZipOutputStream writeEND(JJ)V
java/util/zip/ZipOutputStream writeShort(I)V
java/util/zip/ZipOutputStream writeInt(J)V
java/util/zip/ZipOutputStream writeBytes([BII)V
java/util/zip/ZipOutputStream getUTF8Length(Ljava/lang/String;)I
java/util/zip/ZipOutputStream getUTF8Bytes(Ljava/lang/String;)[B
class java/lang/Thread$1 java/lang/Object
java/lang/Thread$1
 val$subcl
java/lang/Thread$1 <init>(Ljava/lang/Class;)V
java/lang/Thread$1 run()Ljava/lang/Object;
class java/security/DomainCombiner java/lang/Object
java/security/DomainCombiner
combine([Ljava/security/ProtectionDomain;[Ljava/security/ProtectionDomain;)[Ljava/security/ProtectionDomain;
class java/lang/ClassLoader$1 java/lang/Object
java/lang/ClassLoader$1 val$sm
java/lang/ClassLoader$1 val$name
java/lang/ClassLoader$1 val$i
java/lang/ClassLoader$1 this$0
java/lang/ClassLoader$1 <init>(Ljava/lang/ClassLoader;Ljava/lang/SecurityManager;Ljava/lang/String;I)V
java/lang/ClassLoader$1 run()Ljava/lang/Object;
class java/lang/System$1 java/lang/Object
java/lang/System$1 val$s
java/lang/System$1 <init>(Ljava/lang/SecurityManager;)V
java/lang/System$1 run()Ljava/lang/Object;
class java/lang/SecurityManager$1 java/lang/Object
java/lang/SecurityManager$1 this$0
java/lang/SecurityManager$1 <init>(Ljava/lang/SecurityManager;)V
java/lang/SecurityManager$1 run()Ljava/lang/Object;
class java/util/WeakHashMap$KeyIterator
 java/util/WeakHashMap$HashIterator
java/util/WeakHashMap$KeyIterator this$0
java/util/WeakHashMap$KeyIterator <init>(Ljava/util/WeakHashMap;)V
java/util/WeakHashMap$KeyIterator next()Ljava/lang/Object;
java/util/WeakHashMap$KeyIterator <init>(Ljava/util/WeakHashMap;Ljava/util/WeakHashMap$1;)V
class java/util/WeakHashMap$KeySet java/util/AbstractSet
java/util/WeakHashMap$KeySet this$0
java/util/WeakHashMap$KeySet <init>(Ljava/util/WeakHashMap;)V
java/util/WeakHashMap$KeySet iterator()Ljava/util/Iterator;
java/util/WeakHashMap$KeySet size()I
java/util/WeakHashMap$KeySet contains(Ljava/lang/Object;)Z
java/util/WeakHashMap$KeySet remove(Ljava/lang/Object;)Z
java/util/WeakHashMap$KeySet clear()V
java/util/WeakHashMap$KeySet toArray()[Ljava/lang/Object;
java/util/WeakHashMap$KeySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/WeakHashMap$KeySet <init>(Ljava/util/WeakHashMap;Ljava/util/WeakHashMap$1;)V
class java/awt/AWTError java/lang/Error
java/awt/AWTError

serialVersionUID
java/awt/AWTError <init>(Ljava/lang/String;)V
class java/awt/im/InputMethodHighlight java/lang/Object
java/awt/im/InputMethodHighlight RAW_TEXT
java/awt/im/InputMethodHighlight CONVERTED_TEXT
java/awt/im/InputMethodHighlight UNSELECTED_RAW_TEXT_HIGHLIGHT
java/awt/im/InputMethodHighlight SELECTED_RAW_TEXT_HIGHLIGHT
java/awt/im/InputMethodHighlight UNSELECTED_CONVERTED_TEXT_HIGHLIGHT
java/awt/im/InputMethodHighlight SELECTED_CONVERTED_TEXT_HIGHLIGHT
java/awt/im/InputMethodHighlight selected
java/awt/im/InputMethodHighlight state
java/awt/im/InputMethodHighlight variation
java/awt/im/InputMethodHighlight style
java/awt/im/InputMethodHighlight <init>(ZI)V
java/awt/im/InputMethodHighlight <init>(ZII)V
java/awt/im/InputMethodHighlight <init>(ZIILjava/util/Map;)V
java/awt/im/InputMethodHighlight isSelected()Z
java/awt/im/InputMethodHighlight getState()I
java/awt/im/InputMethodHighlight getVariation()I
java/awt/im/InputMethodHighlight getStyle()Ljava/util/Map;
java/awt/im/InputMethodHighlight
<clinit>()V
class java/awt/datatransfer/Clipboard java/lang/Object
java/awt/datatransfer/Clipboard name
java/awt/datatransfer/Clipboard owner
java/awt/datatransfer/Clipboard contents
java/awt/datatransfer/Clipboard flavorListeners
java/awt/datatransfer/Clipboard currentDataFlavors
java/awt/datatransfer/Clipboard <init>(Ljava/lang/String;)V
java/awt/datatransfer/Clipboard getName()Ljava/lang/String;
java/awt/datatransfer/Clipboard
setContents(Ljava/awt/datatransfer/Transferable;Ljava/awt/datatransfer/ClipboardOwner;)V
java/awt/datatransfer/Clipboard getContents(Ljava/lang/Object;)Ljava/awt/datatransfer/Transferable;
java/awt/datatransfer/Clipboard getAvailableDataFlavors()[Ljava/awt/datatransfer/DataFlavor;
java/awt/datatransfer/Clipboard isDataFlavorAvailable(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/datatransfer/Clipboard getData(Ljava/awt/datatransfer/DataFlavor;)Ljava/lang/Object;
java/awt/datatransfer/Clipboard addFlavorListener(Ljava/awt/datatransfer/FlavorListener;)V
java/awt/datatransfer/Clipboard
removeFlavorListener(Ljava/awt/datatransfer/FlavorListener;)V
java/awt/datatransfer/Clipboard getFlavorListeners()[Ljava/awt/datatransfer/FlavorListener;
java/awt/datatransfer/Clipboard fireFlavorsChanged()V
java/awt/datatransfer/Clipboard getAvailableDataFlavorSet()Ljava/util/Set;
class java/awt/PrintJob java/lang/Object
java/awt/PrintJob <init>()V
java/awt/PrintJob getGraphics()Ljava/awt/Graphics;
java/awt/PrintJob getPageDimension()Ljava/awt/Dimension;
java/awt/PrintJob getPageResolution()I
java/awt/PrintJob lastPageFirst()Z

java/awt/PrintJob end()V
java/awt/PrintJob finalize()V
class java/awt/PageAttributes java/lang/Object
java/awt/PageAttributes color
java/awt/PageAttributes media
java/awt/PageAttributes orientationRequested
java/awt/PageAttributes origin
java/awt/PageAttributes printQuality
java/awt/PageAttributes printerResolution
java/awt/PageAttributes <init>()V
java/awt/PageAttributes <init>(Ljava/awt/PageAttributes;)V
java/awt/PageAttributes
<init>(Ljava/awt/PageAttributes$ColorType;Ljava/awt/PageAttributes$MediaType;Ljava/awt/PageAttributes$Orien
tationRequestedType;Ljava/awt/PageAttributes$OriginType;Ljava/awt/PageAttributes$PrintQualityType;[I)V
java/awt/PageAttributes clone()Ljava/lang/Object;
java/awt/PageAttributes set(Ljava/awt/PageAttributes;)V
java/awt/PageAttributes getColor()Ljava/awt/PageAttributes$ColorType;
java/awt/PageAttributes setColor(Ljava/awt/PageAttributes$ColorType;)V
java/awt/PageAttributes getMedia()Ljava/awt/PageAttributes$MediaType;
java/awt/PageAttributes setMedia(Ljava/awt/PageAttributes$MediaType;)V
java/awt/PageAttributes setMediaToDefault()V
java/awt/PageAttributes getOrientationRequested()Ljava/awt/PageAttributes$OrientationRequestedType;
java/awt/PageAttributes setOrientationRequested(Ljava/awt/PageAttributes$OrientationRequestedType;)V
java/awt/PageAttributes setOrientationRequested(I)V
java/awt/PageAttributes setOrientationRequestedToDefault()V
java/awt/PageAttributes getOrigin()Ljava/awt/PageAttributes$OriginType;
java/awt/PageAttributes
setOrigin(Ljava/awt/PageAttributes$OriginType;)V
java/awt/PageAttributes getPrintQuality()Ljava/awt/PageAttributes$PrintQualityType;
java/awt/PageAttributes setPrintQuality(Ljava/awt/PageAttributes$PrintQualityType;)V
java/awt/PageAttributes setPrintQuality(I)V
java/awt/PageAttributes setPrintQualityToDefault()V
java/awt/PageAttributes getPrinterResolution()[I
java/awt/PageAttributes setPrinterResolution([I)V
java/awt/PageAttributes setPrinterResolution(I)V
java/awt/PageAttributes setPrinterResolutionToDefault()V
java/awt/PageAttributes equals(Ljava/lang/Object;)Z
java/awt/PageAttributes hashCode()I
java/awt/PageAttributes toString()Ljava/lang/String;
class java/awt/JobAttributes java/lang/Object
java/awt/JobAttributes copies
java/awt/JobAttributes defaultSelection
java/awt/JobAttributes destination
java/awt/JobAttributes dialog
java/awt/JobAttributes fileName
java/awt/JobAttributes fromPage
java/awt/JobAttributes maxPage
java/awt/JobAttributes

minPage
java/awt/JobAttributes multipleDocumentHandling
java/awt/JobAttributes pageRanges
java/awt/JobAttributes prFirst
java/awt/JobAttributes prLast
java/awt/JobAttributes printer
java/awt/JobAttributes sides
java/awt/JobAttributes toPage
java/awt/JobAttributes <init>()V
java/awt/JobAttributes <init>(Ljava/awt/JobAttributes;)V
java/awt/JobAttributes
<init>(ILjava/awt/JobAttributes$DefaultSelectionType;Ljava/awt/JobAttributes$DestinationType;Ljava/awt/JobAttr
ibutes$DialogType;Ljava/lang/String;IILjava/awt/JobAttributes$MultipleDocumentHandlingType;[[ILjava/lang/Stri
ng;Ljava/awt/JobAttributes$SidesType;)V
java/awt/JobAttributes clone()Ljava/lang/Object;
java/awt/JobAttributes set(Ljava/awt/JobAttributes;)V
java/awt/JobAttributes getCopies()I
java/awt/JobAttributes setCopies(I)V
java/awt/JobAttributes setCopiesToDefault()V
java/awt/JobAttributes getDefaultSelection()Ljava/awt/JobAttributes$DefaultSelectionType;
java/awt/JobAttributes setDefaultSelection(Ljava/awt/JobAttributes$DefaultSelectionType;)V
java/awt/JobAttributes
getDestination()Ljava/awt/JobAttributes$DestinationType;
java/awt/JobAttributes setDestination(Ljava/awt/JobAttributes$DestinationType;)V
java/awt/JobAttributes getDialog()Ljava/awt/JobAttributes$DialogType;
java/awt/JobAttributes setDialog(Ljava/awt/JobAttributes$DialogType;)V
java/awt/JobAttributes getFileName()Ljava/lang/String;
java/awt/JobAttributes setFileName(Ljava/lang/String;)V
java/awt/JobAttributes getFromPage()I
java/awt/JobAttributes setFromPage(I)V
java/awt/JobAttributes getMaxPage()I
java/awt/JobAttributes setMaxPage(I)V
java/awt/JobAttributes getMinPage()I
java/awt/JobAttributes setMinPage(I)V
java/awt/JobAttributes getMultipleDocumentHandling()Ljava/awt/JobAttributes$MultipleDocumentHandlingType;
java/awt/JobAttributes
setMultipleDocumentHandling(Ljava/awt/JobAttributes$MultipleDocumentHandlingType;)V
java/awt/JobAttributes setMultipleDocumentHandlingToDefault()V
java/awt/JobAttributes getPageRanges()[[I
java/awt/JobAttributes
setPageRanges([[I)V
java/awt/JobAttributes getPrinter()Ljava/lang/String;
java/awt/JobAttributes setPrinter(Ljava/lang/String;)V
java/awt/JobAttributes getSides()Ljava/awt/JobAttributes$SidesType;
java/awt/JobAttributes setSides(Ljava/awt/JobAttributes$SidesType;)V
java/awt/JobAttributes setSidesToDefault()V
java/awt/JobAttributes getToPage()I
java/awt/JobAttributes setToPage(I)V

java/awt/JobAttributes equals(Ljava/lang/Object;)Z
java/awt/JobAttributes hashCode()I
java/awt/JobAttributes toString()Ljava/lang/String;
class java/awt/dnd/InvalidDnDOperationException java/lang/IllegalStateException
java/awt/dnd/InvalidDnDOperationException dft_msg
java/awt/dnd/InvalidDnDOperationException <init>()V
java/awt/dnd/InvalidDnDOperationException <init>(Ljava/lang/String;)V
java/awt/dnd/InvalidDnDOperationException <clinit>()V
class java/awt/dnd/DragGestureEvent java/util/EventObject
java/awt/dnd/DragGestureEvent serialVersionUID
java/awt/dnd/DragGestureEvent events
java/awt/dnd/DragGestureEvent
dragSource
java/awt/dnd/DragGestureEvent component
java/awt/dnd/DragGestureEvent origin
java/awt/dnd/DragGestureEvent action
java/awt/dnd/DragGestureEvent <init>(Ljava/awt/dnd/DragGestureRecognizer;ILjava/awt/Point;Ljava/util/List;)V
java/awt/dnd/DragGestureEvent getSourceAsDragGestureRecognizer()Ljava/awt/dnd/DragGestureRecognizer;
java/awt/dnd/DragGestureEvent getComponent()Ljava/awt/Component;
java/awt/dnd/DragGestureEvent getDragSource()Ljava/awt/dnd/DragSource;
java/awt/dnd/DragGestureEvent getDragOrigin()Ljava/awt/Point;
java/awt/dnd/DragGestureEvent iterator()Ljava/util/Iterator;
java/awt/dnd/DragGestureEvent toArray()[Ljava/lang/Object;
java/awt/dnd/DragGestureEvent toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/awt/dnd/DragGestureEvent getDragAction()I
java/awt/dnd/DragGestureEvent getTriggerEvent()Ljava/awt/event/InputEvent;
java/awt/dnd/DragGestureEvent startDrag(Ljava/awt/Cursor;Ljava/awt/datatransfer/Transferable;)V
java/awt/dnd/DragGestureEvent
startDrag(Ljava/awt/Cursor;Ljava/awt/datatransfer/Transferable;Ljava/awt/dnd/DragSourceListener;)V
java/awt/dnd/DragGestureEvent
startDrag(Ljava/awt/Cursor;Ljava/awt/Image;Ljava/awt/Point;Ljava/awt/datatransfer/Transferable;Ljava/awt/dnd/DragSourceListener;)V
java/awt/dnd/DragGestureEvent writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/dnd/DragGestureEvent readObject(Ljava/io/ObjectInputStream;)V
class java/awt/dnd/DragGestureRecognizer java/lang/Object
java/awt/dnd/DragGestureRecognizer serialVersionUID
java/awt/dnd/DragGestureRecognizer dragSource
java/awt/dnd/DragGestureRecognizer component
java/awt/dnd/DragGestureRecognizer dragGestureListener
java/awt/dnd/DragGestureRecognizer sourceActions
java/awt/dnd/DragGestureRecognizer events
java/awt/dnd/DragGestureRecognizer
<init>(Ljava/awt/dnd/DragSource;Ljava/awt/Component;ILjava/awt/dnd/DragGestureListener;)V
java/awt/dnd/DragGestureRecognizer <init>(Ljava/awt/dnd/DragSource;Ljava/awt/Component;I)V
java/awt/dnd/DragGestureRecognizer
<init>(Ljava/awt/dnd/DragSource;Ljava/awt/Component;)V
java/awt/dnd/DragGestureRecognizer <init>(Ljava/awt/dnd/DragSource;)V
java/awt/dnd/DragGestureRecognizer registerListeners()V

java/awt/dnd/DragGestureRecognizer unregisterListeners()V
java/awt/dnd/DragGestureRecognizer getDragSource()Ljava/awt/dnd/DragSource;
java/awt/dnd/DragGestureRecognizer getComponent()Ljava/awt/Component;
java/awt/dnd/DragGestureRecognizer setComponent(Ljava/awt/Component;)V
java/awt/dnd/DragGestureRecognizer getSourceActions()I
java/awt/dnd/DragGestureRecognizer setSourceActions(I)V
java/awt/dnd/DragGestureRecognizer getTriggerEvent()Ljava/awt/event/InputEvent;
java/awt/dnd/DragGestureRecognizer resetRecognizer()V
java/awt/dnd/DragGestureRecognizer addDragGestureListener(Ljava/awt/dnd/DragGestureListener;)V
java/awt/dnd/DragGestureRecognizer removeDragGestureListener(Ljava/awt/dnd/DragGestureListener;)V
java/awt/dnd/DragGestureRecognizer fireDragGestureRecognized(ILjava/awt/Point;)V
java/awt/dnd/DragGestureRecognizer
appendEvent(Ljava/awt/event/InputEvent;)V
java/awt/dnd/DragGestureRecognizer writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/dnd/DragGestureRecognizer readObject(Ljava/io/ObjectInputStream;)V
class java/awt/dnd/DragGestureListener java/lang/Object
java/awt/dnd/DragGestureListener dragGestureRecognized(Ljava/awt/dnd/DragGestureEvent;)V
class java/awt/dnd/DragSource java/lang/Object
java/awt/dnd/DragSource serialVersionUID
java/awt/dnd/DragSource DefaultCopyDrop
java/awt/dnd/DragSource DefaultMoveDrop
java/awt/dnd/DragSource DefaultLinkDrop
java/awt/dnd/DragSource DefaultCopyNoDrop
java/awt/dnd/DragSource DefaultMoveNoDrop
java/awt/dnd/DragSource DefaultLinkNoDrop
java/awt/dnd/DragSource dflt
java/awt/dnd/DragSource dragSourceListenerK
java/awt/dnd/DragSource dragSourceMotionListenerK
java/awt/dnd/DragSource flavorMap
java/awt/dnd/DragSource listener
java/awt/dnd/DragSource motionListener
java/awt/dnd/DragSource load(Ljava/lang/String;)Ljava/awt/Cursor;
java/awt/dnd/DragSource
getDefaultDragSource()Ljava/awt/dnd/DragSource;
java/awt/dnd/DragSource isDragImageSupported()Z
java/awt/dnd/DragSource <init>()V
java/awt/dnd/DragSource
startDrag(Ljava/awt/dnd/DragGestureEvent;Ljava/awt/Cursor;Ljava/awt/Image;Ljava/awt/Point;Ljava/awt/datatransfer/Transferable;Ljava/awt/dnd/DragSourceListener;Ljava/awt/datatransfer/FlavorMap;)V
java/awt/dnd/DragSource
startDrag(Ljava/awt/dnd/DragGestureEvent;Ljava/awt/Cursor;Ljava/awt/datatransfer/Transferable;Ljava/awt/dnd/DragSourceListener;Ljava/awt/datatransfer/FlavorMap;)V
java/awt/dnd/DragSource
startDrag(Ljava/awt/dnd/DragGestureEvent;Ljava/awt/Cursor;Ljava/awt/Image;Ljava/awt/Point;Ljava/awt/datatransfer/Transferable;Ljava/awt/dnd/DragSourceListener;)V
java/awt/dnd/DragSource
startDrag(Ljava/awt/dnd/DragGestureEvent;Ljava/awt/Cursor;Ljava/awt/datatransfer/Transferable;Ljava/awt/dnd/DragSourceListener;)V

java/awt/dnd/DragSource
createDragSourceContext(Ljava/awt/dnd/peer/DragSourceContextPeer;Ljava/awt/dnd/DragGestureEvent;Ljava/awt/Cursor;Ljava/awt/Image;Ljava/awt/Point;Ljava/awt/datatransfer/Transferable;Ljava/awt/dnd/DragSourceListener;)Ljava/awt/dnd/DragSourceContext;
java/awt/dnd/DragSource
getFlavorMap()Ljava/awt/datatransfer/FlavorMap;
java/awt/dnd/DragSource
createDragGestureRecognizer(Ljava/lang/Class;Ljava/awt/Component;ILjava/awt/dnd/DragGestureListener;)Ljava/awt/dnd/DragGestureRecognizer;
java/awt/dnd/DragSource
createDefaultDragGestureRecognizer(Ljava/awt/Component;ILjava/awt/dnd/DragGestureListener;)Ljava/awt/dnd/DragGestureRecognizer;
java/awt/dnd/DragSource addDragSourceListener(Ljava/awt/dnd/DragSourceListener;)V
java/awt/dnd/DragSource removeDragSourceListener(Ljava/awt/dnd/DragSourceListener;)V
java/awt/dnd/DragSource getDragSourceListeners()[Ljava/awt/dnd/DragSourceListener;
java/awt/dnd/DragSource addDragSourceMotionListener(Ljava/awt/dnd/DragSourceMotionListener;)V
java/awt/dnd/DragSource removeDragSourceMotionListener(Ljava/awt/dnd/DragSourceMotionListener;)V
java/awt/dnd/DragSource
getDragSourceMotionListeners()[Ljava/awt/dnd/DragSourceMotionListener;
java/awt/dnd/DragSource getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/dnd/DragSource processDragEnter(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSource processDragOver(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSource processDropActionChanged(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSource processDragExit(Ljava/awt/dnd/DragSourceEvent;)V
java/awt/dnd/DragSource processDragDropEnd(Ljava/awt/dnd/DragSourceDropEvent;)V
java/awt/dnd/DragSource processDragMouseMoved(Ljava/awt/dnd/DragSourceDragEvent;)V
java/awt/dnd/DragSource writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/dnd/DragSource readObject(Ljava/io/ObjectInputStream;)V
java/awt/dnd/DragSource getDragThreshold()I
java/awt/dnd/DragSource <clinit>()V
class java/awt/HeadlessException java/lang/UnsupportedOperationException
java/awt/HeadlessException serialVersionUID
java/awt/HeadlessException <init>()V
java/awt/HeadlessException
<init>(Ljava/lang/String;)V
java/awt/HeadlessException getMessage()Ljava/lang/String;
class java/awt/Frame$AccessibleAWTFrame java/awt/Window$AccessibleAWTWindow
java/awt/Frame$AccessibleAWTFrame serialVersionUID
java/awt/Frame$AccessibleAWTFrame this$0
java/awt/Frame$AccessibleAWTFrame <init>(Ljava/awt/Frame;)V
java/awt/Frame$AccessibleAWTFrame getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/Frame$AccessibleAWTFrame getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
class java/awt/Window$AccessibleAWTWindow java/awt/Container$AccessibleAWTContainer
java/awt/Window$AccessibleAWTWindow serialVersionUID
java/awt/Window$AccessibleAWTWindow this$0
java/awt/Window$AccessibleAWTWindow <init>(Ljava/awt/Window;)V
java/awt/Window$AccessibleAWTWindow getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/Window$AccessibleAWTWindow getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;

class java/util/zip/ZipException java/io/IOException
java/util/zip/ZipException
<init>()V
java/util/zip/ZipException <init>(Ljava/lang/String;)V
class java/util/Collections$UnmodifiableList$1 java/lang/Object
java/util/Collections$UnmodifiableList$1 i
java/util/Collections$UnmodifiableList$1 val$index
java/util/Collections$UnmodifiableList$1 this$0
java/util/Collections$UnmodifiableList$1 <init>(Ljava/util/Collections$UnmodifiableList;I)V
java/util/Collections$UnmodifiableList$1 hasNext()Z
java/util/Collections$UnmodifiableList$1 next()Ljava/lang/Object;
java/util/Collections$UnmodifiableList$1 hasPrevious()Z
java/util/Collections$UnmodifiableList$1 previous()Ljava/lang/Object;
java/util/Collections$UnmodifiableList$1 nextIndex()I
java/util/Collections$UnmodifiableList$1 previousIndex()I
java/util/Collections$UnmodifiableList$1 remove()V
java/util/Collections$UnmodifiableList$1 set(Ljava/lang/Object;)V
java/util/Collections$UnmodifiableList$1 add(Ljava/lang/Object;)V
class java/lang/Process java/lang/Object
java/lang/Process
<init>()V
java/lang/Process getOutputStream()Ljava/io/OutputStream;
java/lang/Process getInputStream()Ljava/io/InputStream;
java/lang/Process getErrorStream()Ljava/io/InputStream;
java/lang/Process waitFor()I
java/lang/Process exitValue()I
java/lang/Process destroy()V
class java/beans/Beans java/lang/Object
java/beans/Beans designTime
java/beans/Beans guiAvailable
java/beans/Beans <init>()V
java/beans/Beans instantiate(Ljava/lang/ClassLoader;Ljava/lang/String;)Ljava/lang/Object;
java/beans/Beans
instantiate(Ljava/lang/ClassLoader;Ljava/lang/String;Ljava/beans/beancontext/BeanContext;)Ljava/lang/Object;
java/beans/Beans
instantiate(Ljava/lang/ClassLoader;Ljava/lang/String;Ljava/beans/beancontext/BeanContext;Ljava/beans/AppletIniti
alizer;)Ljava/lang/Object;
java/beans/Beans getInstanceOf(Ljava/lang/Object;Ljava/lang/Class;)Ljava/lang/Object;
java/beans/Beans isInstanceOf(Ljava/lang/Object;Ljava/lang/Class;)Z
java/beans/Beans isDesignTime()Z
java/beans/Beans isGuiAvailable()Z
java/beans/Beans
setDesignTime(Z)V
java/beans/Beans setGuiAvailable(Z)V
java/beans/Beans <clinit>()V
class java/beans/GenericBeanInfo java/beans/SimpleBeanInfo
java/beans/GenericBeanInfo beanDescriptor
java/beans/GenericBeanInfo events

java/beans/GenericBeanInfo defaultEvent
java/beans/GenericBeanInfo properties
java/beans/GenericBeanInfo defaultProperty
java/beans/GenericBeanInfo methods
java/beans/GenericBeanInfo targetBeanInfo
java/beans/GenericBeanInfo
<init>(Ljava/beans/BeanDescriptor;[Ljava/beans/EventSetDescriptor;I[Ljava/beans/PropertyDescriptor;I[Ljava/beans/MethodDescriptor;Ljava/beans/BeanInfo;)V
java/beans/GenericBeanInfo <init>(Ljava/beans/GenericBeanInfo;)V
java/beans/GenericBeanInfo getPropertyDescriptors()[Ljava/beans/PropertyDescriptor;
java/beans/GenericBeanInfo getDefaultPropertyIndex()I
java/beans/GenericBeanInfo getEventSetDescriptors()[Ljava/beans/EventSetDescriptor;
java/beans/GenericBeanInfo getDefaultEventIndex()I
java/beans/GenericBeanInfo getMethodDescriptors()[Ljava/beans/MethodDescriptor;
java/beans/GenericBeanInfo
getBeanDescriptor()Ljava/beans/BeanDescriptor;
java/beans/GenericBeanInfo getIcon(I)Ljava/awt/Image;
class java/util/TreeMap$ValueIterator java/util/TreeMap$PrivateEntryIterator
java/util/TreeMap$ValueIterator this$0
java/util/TreeMap$ValueIterator <init>(Ljava/util/TreeMap;)V
java/util/TreeMap$ValueIterator next()Ljava/lang/Object;
java/util/TreeMap$ValueIterator <init>(Ljava/util/TreeMap;Ljava/util/TreeMap$1;)V
class java/util/TreeMap$2 java/util/AbstractCollection
java/util/TreeMap$2 this$0
java/util/TreeMap$2 <init>(Ljava/util/TreeMap;)V
java/util/TreeMap$2 iterator()Ljava/util/Iterator;
java/util/TreeMap$2 size()I
java/util/TreeMap$2 contains(Ljava/lang/Object;)Z
java/util/TreeMap$2 remove(Ljava/lang/Object;)Z
java/util/TreeMap$2 clear()V
class java/beans/NameGenerator java/lang/Object
java/beans/NameGenerator valueToName
java/beans/NameGenerator nameToCount
java/beans/NameGenerator <init>()V
java/beans/NameGenerator clear()V
java/beans/NameGenerator
unqualifiedClassName(Ljava/lang/Class;)Ljava/lang/String;
java/beans/NameGenerator capitalize(Ljava/lang/String;)Ljava/lang/String;
java/beans/NameGenerator instanceName(Ljava/lang/Object;)Ljava/lang/String;
class java/beans/MethodDescriptor java/beans/FeatureDescriptor
java/beans/MethodDescriptor methodRef
java/beans/MethodDescriptor paramNames
java/beans/MethodDescriptor params
java/beans/MethodDescriptor parameterDescriptors
java/beans/MethodDescriptor <init>(Ljava/lang/reflect/Method;)V
java/beans/MethodDescriptor <init>(Ljava/lang/reflect/Method;[Ljava/beans/ParameterDescriptor;)V
java/beans/MethodDescriptor getMethod()Ljava/lang/reflect/Method;
java/beans/MethodDescriptor setMethod(Ljava/lang/reflect/Method;)V

java/beans/MethodDescriptor getMethod0()Ljava/lang/reflect/Method;
java/beans/MethodDescriptor setParams([Ljava/lang/Class;)V
java/beans/MethodDescriptor getParamNames()[Ljava/lang/String;
java/beans/MethodDescriptor getParams()[Ljava/lang/Class;
java/beans/MethodDescriptor
getParameterDescriptors()[Ljava/beans/ParameterDescriptor;
java/beans/MethodDescriptor <init>(Ljava/beans/MethodDescriptor;Ljava/beans/MethodDescriptor;)V
java/beans/MethodDescriptor <init>(Ljava/beans/MethodDescriptor;)V
class java/beans/Introspector$1 java/lang/Object
java/beans/Introspector$1 val$fclz
java/beans/Introspector$1 <init>(Ljava/lang/Class;)V
java/beans/Introspector$1 run()Ljava/lang/Object;
class java/beans/SimpleBeanInfo java/lang/Object
java/beans/SimpleBeanInfo <init>()V
java/beans/SimpleBeanInfo getBeanDescriptor()Ljava/beans/BeanDescriptor;
java/beans/SimpleBeanInfo getPropertyDescriptors()[Ljava/beans/PropertyDescriptor;
java/beans/SimpleBeanInfo getDefaultPropertyIndex()I
java/beans/SimpleBeanInfo getEventSetDescriptors()[Ljava/beans/EventSetDescriptor;
java/beans/SimpleBeanInfo getDefaultEventIndex()I
java/beans/SimpleBeanInfo getMethodDescriptors()[Ljava/beans/MethodDescriptor;
java/beans/SimpleBeanInfo getAdditionalBeanInfo()[Ljava/beans/BeanInfo;
java/beans/SimpleBeanInfo
getIcon(I)Ljava/awt/Image;
java/beans/SimpleBeanInfo loadImage(Ljava/lang/String;)Ljava/awt/Image;
class java/security/PermissionsEnumerator java/lang/Object
java/security/PermissionsEnumerator perms
java/security/PermissionsEnumerator permset
java/security/PermissionsEnumerator <init>(Ljava/util/Iterator;)V
java/security/PermissionsEnumerator hasMoreElements()Z
java/security/PermissionsEnumerator nextElement()Ljava/security/Permission;
java/security/PermissionsEnumerator getNextEnumWithMore()Ljava/util/Enumeration;
java/security/PermissionsEnumerator nextElement()Ljava/lang/Object;
class java/util/PropertyPermissionCollection java/security/PermissionCollection
java/util/PropertyPermissionCollection perms
java/util/PropertyPermissionCollection all_allowed
java/util/PropertyPermissionCollection serialVersionUID
java/util/PropertyPermissionCollection serialPersistentFields
java/util/PropertyPermissionCollection <init>()V
java/util/PropertyPermissionCollection
add(Ljava/security/Permission;)V
java/util/PropertyPermissionCollection implies(Ljava/security/Permission;)Z
java/util/PropertyPermissionCollection elements()Ljava/util/Enumeration;
java/util/PropertyPermissionCollection writeObject(Ljava/io/ObjectOutputStream;)V
java/util/PropertyPermissionCollection readObject(Ljava/io/ObjectInputStream;)V
java/util/PropertyPermissionCollection <clinit>()V
class java/net/SocketPermissionCollection java/security/PermissionCollection
java/net/SocketPermissionCollection perms
java/net/SocketPermissionCollection serialVersionUID

java/net/SocketPermissionCollection serialPersistentFields
java/net/SocketPermissionCollection <init>()V
java/net/SocketPermissionCollection add(Ljava/security/Permission;)V
java/net/SocketPermissionCollection implies(Ljava/security/Permission;)Z
java/net/SocketPermissionCollection elements()Ljava/util/Enumeration;
java/net/SocketPermissionCollection writeObject(Ljava/io/ObjectOutputStream;)V
java/net/SocketPermissionCollection
readObject(Ljava/io/ObjectInputStream;)V
java/net/SocketPermissionCollection <clinit>()V
class java/net/ResponseCache java/lang/Object
java/net/ResponseCache theResponseCache
java/net/ResponseCache <init>()V
java/net/ResponseCache getDefault()Ljava/net/ResponseCache;
java/net/ResponseCache setDefault(Ljava/net/ResponseCache;)V
java/net/ResponseCache get(Ljava/net/URI;Ljava/lang/String;Ljava/util/Map;)Ljava/net/CacheResponse;
java/net/ResponseCache put(Ljava/net/URI;Ljava/net/URLConnection;)Ljava/net/CacheRequest;
class java/net/CookieHandler java/lang/Object
java/net/CookieHandler cookieHandler
java/net/CookieHandler <init>()V
java/net/CookieHandler getDefault()Ljava/net/CookieHandler;
java/net/CookieHandler setDefault(Ljava/net/CookieHandler;)V
java/net/CookieHandler get(Ljava/net/URI;Ljava/util/Map;)Ljava/util/Map;
java/net/CookieHandler put(Ljava/net/URI;Ljava/util/Map;)V
class java/net/HttpURLConnection java/net/URLConnection
java/net/HttpURLConnection method
java/net/HttpURLConnection
chunkLength
java/net/HttpURLConnection fixedContentLength
java/net/HttpURLConnection DEFAULT_CHUNK_SIZE
java/net/HttpURLConnection responseCode
java/net/HttpURLConnection responseMessage
java/net/HttpURLConnection followRedirects
java/net/HttpURLConnection instanceFollowRedirects
java/net/HttpURLConnection methods
java/net/HttpURLConnection HTTP_OK
java/net/HttpURLConnection HTTP_CREATED
java/net/HttpURLConnection HTTP_ACCEPTED
java/net/HttpURLConnection HTTP_NOT_AUTHORITATIVE
java/net/HttpURLConnection HTTP_NO_CONTENT
java/net/HttpURLConnection HTTP_RESET
java/net/HttpURLConnection HTTP_PARTIAL
java/net/HttpURLConnection HTTP_MULT_CHOICE
java/net/HttpURLConnection HTTP_MOVED_PERM
java/net/HttpURLConnection HTTP_MOVED_TEMP
java/net/HttpURLConnection HTTP_SEE_OTHER
java/net/HttpURLConnection HTTP_NOT_MODIFIED
java/net/HttpURLConnection HTTP_USE_PROXY
java/net/HttpURLConnection HTTP_BAD_REQUEST

java/net/HttpURLConnection HTTP_UNAUTHORIZED
java/net/HttpURLConnection HTTP_PAYMENT_REQUIRED
java/net/HttpURLConnection
HTTP_FORBIDDEN
java/net/HttpURLConnection HTTP_NOT_FOUND
java/net/HttpURLConnection HTTP_BAD_METHOD
java/net/HttpURLConnection HTTP_NOT_ACCEPTABLE
java/net/HttpURLConnection HTTP_PROXY_AUTH
java/net/HttpURLConnection HTTP_CLIENT_TIMEOUT
java/net/HttpURLConnection HTTP_CONFLICT
java/net/HttpURLConnection HTTP_GONE
java/net/HttpURLConnection HTTP_LENGTH_REQUIRED
java/net/HttpURLConnection HTTP_PRECON_FAILED
java/net/HttpURLConnection HTTP_ENTITY_TOO_LARGE
java/net/HttpURLConnection HTTP_REQ_TOO_LONG
java/net/HttpURLConnection HTTP_UNSUPPORTED_TYPE
java/net/HttpURLConnection HTTP_SERVER_ERROR
java/net/HttpURLConnection HTTP_INTERNAL_ERROR
java/net/HttpURLConnection HTTP_NOT_IMPLEMENTED
java/net/HttpURLConnection HTTP_BAD_GATEWAY
java/net/HttpURLConnection HTTP_UNAVAILABLE
java/net/HttpURLConnection HTTP_GATEWAY_TIMEOUT
java/net/HttpURLConnection HTTP_VERSION
java/net/HttpURLConnection getHeaderFieldKey(I)Ljava/lang/String;
java/net/HttpURLConnection
setFixedLengthStreamingMode(I)V
java/net/HttpURLConnection setChunkedStreamingMode(I)V
java/net/HttpURLConnection getHeaderField(I)Ljava/lang/String;
java/net/HttpURLConnection <init>(Ljava/net/URL;)V
java/net/HttpURLConnection setFollowRedirects(Z)V
java/net/HttpURLConnection getFollowRedirects()Z
java/net/HttpURLConnection setInstanceFollowRedirects(Z)V
java/net/HttpURLConnection getInstanceFollowRedirects()Z
java/net/HttpURLConnection setRequestMethod(Ljava/lang/String;)V
java/net/HttpURLConnection getRequestMethod()Ljava/lang/String;
java/net/HttpURLConnection getResponseCode()I
java/net/HttpURLConnection getResponseMessage()Ljava/lang/String;
java/net/HttpURLConnection getHeaderFieldDate(Ljava/lang/String;J)J
java/net/HttpURLConnection disconnect()V
java/net/HttpURLConnection usingProxy()Z
java/net/HttpURLConnection getPermission()Ljava/security/Permission;
java/net/HttpURLConnection getErrorStream()Ljava/io/InputStream;
java/net/HttpURLConnection <clinit>()V
class java/security/SecurityPermission
java/security/BasicPermission
java/security/SecurityPermission serialVersionUID
java/security/SecurityPermission <init>(Ljava/lang/String;)V
java/security/SecurityPermission <init>(Ljava/lang/String;Ljava/lang/String;)V

class java/awt/AWTPermission java/security/BasicPermission
java/awt/AWTPermission serialVersionUID
java/awt/AWTPermission <init>(Ljava/lang/String;)V
java/awt/AWTPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/net/NetPermission java/security/BasicPermission
java/net/NetPermission serialVersionUID
java/net/NetPermission <init>(Ljava/lang/String;)V
java/net/NetPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/net/SocketPermission java/security/Permission
java/net/SocketPermission serialVersionUID
java/net/SocketPermission CONNECT
java/net/SocketPermission LISTEN
java/net/SocketPermission ACCEPT
java/net/SocketPermission RESOLVE
java/net/SocketPermission NONE
java/net/SocketPermission ALL
java/net/SocketPermission PORT_MIN
java/net/SocketPermission
PORT_MAX
java/net/SocketPermission PRIV_PORT_MAX
java/net/SocketPermission mask
java/net/SocketPermission actions
java/net/SocketPermission hostname
java/net/SocketPermission cname
java/net/SocketPermission addresses
java/net/SocketPermission wildcard
java/net/SocketPermission init_with_ip
java/net/SocketPermission invalid
java/net/SocketPermission portrange
java/net/SocketPermission trustProxy
java/net/SocketPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
java/net/SocketPermission <init>(Ljava/lang/String;I)V
java/net/SocketPermission getHost(Ljava/lang/String;)Ljava/lang/String;
java/net/SocketPermission parsePort(Ljava/lang/String;)[I
java/net/SocketPermission init(Ljava/lang/String;I)V
java/net/SocketPermission getMask(Ljava/lang/String;)I
java/net/SocketPermission getCanonName()V
java/net/SocketPermission getIP()V
java/net/SocketPermission implies(Ljava/security/Permission;)Z
java/net/SocketPermission impliesIgnoreMask(Ljava/net/SocketPermission;)Z
java/net/SocketPermission
inProxyWeTrust(Ljava/net/SocketPermission;)Z
java/net/SocketPermission equals(Ljava/lang/Object;)Z
java/net/SocketPermission hashCode()I
java/net/SocketPermission getMask()I
java/net/SocketPermission getActions(I)Ljava/lang/String;
java/net/SocketPermission getActions()Ljava/lang/String;
java/net/SocketPermission newPermissionCollection()Ljava/security/PermissionCollection;

java/net/SocketPermission writeObject(Ljava/io/ObjectOutputStream;)V
java/net/SocketPermission readObject(Ljava/io/ObjectInputStream;)V
java/net/SocketPermission <clinit>()V
class java/io/StreamTokenizer java/lang/Object
java/io/StreamTokenizer reader
java/io/StreamTokenizer input
java/io/StreamTokenizer buf
java/io/StreamTokenizer peekc
java/io/StreamTokenizer NEED_CHAR
java/io/StreamTokenizer SKIP_LF
java/io/StreamTokenizer pushedBack
java/io/StreamTokenizer forceLower
java/io/StreamTokenizer LINENO
java/io/StreamTokenizer eolIsSignificantP
java/io/StreamTokenizer slashSlashCommentsP
java/io/StreamTokenizer
slashStarCommentsP
java/io/StreamTokenizer ctype
java/io/StreamTokenizer CT_WHITESPACE
java/io/StreamTokenizer CT_DIGIT
java/io/StreamTokenizer CT_ALPHA
java/io/StreamTokenizer CT_QUOTE
java/io/StreamTokenizer CT_COMMENT
java/io/StreamTokenizer ttype
java/io/StreamTokenizer TT_EOF
java/io/StreamTokenizer TT_EOL
java/io/StreamTokenizer TT_NUMBER
java/io/StreamTokenizer TT_WORD
java/io/StreamTokenizer TT_NOTHING
java/io/StreamTokenizer sval
java/io/StreamTokenizer nval
java/io/StreamTokenizer <init>()V
java/io/StreamTokenizer <init>(Ljava/io/InputStream;)V
java/io/StreamTokenizer <init>(Ljava/io/Reader;)V
java/io/StreamTokenizer resetSyntax()V
java/io/StreamTokenizer wordChars(II)V
java/io/StreamTokenizer whitespaceChars(II)V
java/io/StreamTokenizer ordinaryChars(II)V
java/io/StreamTokenizer ordinaryChar(I)V
java/io/StreamTokenizer commentChar(I)V
java/io/StreamTokenizer quoteChar(I)V
java/io/StreamTokenizer parseNumbers()V
java/io/StreamTokenizer eolIsSignificant(Z)V
java/io/StreamTokenizer
slashStarComments(Z)V
java/io/StreamTokenizer slashSlashComments(Z)V
java/io/StreamTokenizer lowerCaseMode(Z)V
java/io/StreamTokenizer read()I

java/io/StreamTokenizer nextToken()I
java/io/StreamTokenizer pushBack()V
java/io/StreamTokenizer lineno()I
java/io/StreamTokenizer toString()Ljava/lang/String;
class java/security/Policy$1 java/lang/Object
java/security/Policy$1 <init>()V
java/security/Policy$1 run()Ljava/lang/Object;
class java/security/Policy java/lang/Object
java/security/Policy policy
java/security/Policy debug
java/security/Policy pdMapping
java/security/Policy <init>()V
java/security/Policy isSet()Z
java/security/Policy getPolicy()Ljava/security/Policy;
java/security/Policy getPolicyNoCheck()Ljava/security/Policy;
java/security/Policy setPolicy(Ljava/security/Policy;)V
java/security/Policy initPolicy(Ljava/security/Policy;)V
java/security/Policy getPermissions(Ljava/security/CodeSource;)Ljava/security/PermissionCollection;
java/security/Policy
 getPermissions(Ljava/security/ProtectionDomain;)Ljava/security/PermissionCollection;
java/security/Policy addStaticPerms(Ljava/security/PermissionCollection;Ljava/security/PermissionCollection;)V
java/security/Policy implies(Ljava/security/ProtectionDomain;Ljava/security/Permission;)Z
java/security/Policy refresh()V
java/security/Policy <clinit>()V
class java/io/PrintWriter java/io/Writer
java/io/PrintWriter out
java/io/PrintWriter autoFlush
java/io/PrintWriter trouble
java/io/PrintWriter formatter
java/io/PrintWriter lineSeparator
java/io/PrintWriter <init>(Ljava/io/Writer;)V
java/io/PrintWriter <init>(Ljava/io/Writer;Z)V
java/io/PrintWriter <init>(Ljava/io/OutputStream;)V
java/io/PrintWriter <init>(Ljava/io/OutputStream;Z)V
java/io/PrintWriter <init>(Ljava/lang/String;)V
java/io/PrintWriter <init>(Ljava/lang/String;Ljava/lang/String;)V
java/io/PrintWriter <init>(Ljava/io/File;)V
java/io/PrintWriter <init>(Ljava/io/File;Ljava/lang/String;)V
java/io/PrintWriter ensureOpen()V
java/io/PrintWriter
 flush()V
java/io/PrintWriter close()V
java/io/PrintWriter checkError()Z
java/io/PrintWriter setError()V
java/io/PrintWriter write(I)V
java/io/PrintWriter write([CII)V
java/io/PrintWriter write([C)V
java/io/PrintWriter write(Ljava/lang/String;II)V

java/io/PrintWriter write(Ljava/lang/String;)V
java/io/PrintWriter newLine()V
java/io/PrintWriter print(Z)V
java/io/PrintWriter print(C)V
java/io/PrintWriter print(I)V
java/io/PrintWriter print(J)V
java/io/PrintWriter print(F)V
java/io/PrintWriter print(D)V
java/io/PrintWriter print([C)V
java/io/PrintWriter print(Ljava/lang/String;)V
java/io/PrintWriter print(Ljava/lang/Object;)V
java/io/PrintWriter println()V
java/io/PrintWriter println(Z)V
java/io/PrintWriter println(C)V
java/io/PrintWriter println(I)V
java/io/PrintWriter println(J)V
java/io/PrintWriter println(F)V
java/io/PrintWriter println(D)V
java/io/PrintWriter println([C)V
java/io/PrintWriter println(Ljava/lang/String;)V
java/io/PrintWriter println(Ljava/lang/Object;)V
java/io/PrintWriter
printf(Ljava/lang/String;[Ljava/lang/Object;)Ljava/io/PrintWriter;
java/io/PrintWriter printf(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/io/PrintWriter;
java/io/PrintWriter format(Ljava/lang/String;[Ljava/lang/Object;)Ljava/io/PrintWriter;
java/io/PrintWriter format(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/io/PrintWriter;
java/io/PrintWriter append(Ljava/lang/CharSequence;)Ljava/io/PrintWriter;
java/io/PrintWriter append(Ljava/lang/CharSequence;II)Ljava/io/PrintWriter;
java/io/PrintWriter append(C)Ljava/io/PrintWriter;
java/io/PrintWriter append(C)Ljava/io/Writer;
java/io/PrintWriter append(Ljava/lang/CharSequence;II)Ljava/io/Writer;
java/io/PrintWriter append(Ljava/lang/CharSequence;)Ljava/io/Writer;
java/io/PrintWriter append(C)Ljava/lang/Appendable;
java/io/PrintWriter append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/io/PrintWriter append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
class java/beans/beancontext/BeanContextMembershipEvent
java/beans/beancontext/BeanContextEvent
java/beans/beancontext/BeanContextMembershipEvent children
java/beans/beancontext/BeanContextMembershipEvent
<init>(Ljava/beans/beancontext/BeanContext;Ljava/util/Collection;)V
java/beans/beancontext/BeanContextMembershipEvent
<init>(Ljava/beans/beancontext/BeanContext;[Ljava/lang/Object;)V
java/beans/beancontext/BeanContextMembershipEvent size()I
java/beans/beancontext/BeanContextMembershipEvent contains(Ljava/lang/Object;)Z
java/beans/beancontext/BeanContextMembershipEvent toArray()[Ljava/lang/Object;
java/beans/beancontext/BeanContextMembershipEvent iterator()Ljava/util/Iterator;
class java/beans/beancontext/BeanContextEvent java/util/EventObject
java/beans/beancontext/BeanContextEvent propagatedFrom

java/beans/beancontext/BeanContextEvent <init>(Ljava/beans/beancontext/BeanContext;)V
java/beans/beancontext/BeanContextEvent getBeanContext()Ljava/beans/beancontext/BeanContext;
java/beans/beancontext/BeanContextEvent
setPropagatedFrom(Ljava/beans/beancontext/BeanContext;)V
java/beans/beancontext/BeanContextEvent getPropagatedFrom()Ljava/beans/beancontext/BeanContext;
java/beans/beancontext/BeanContextEvent isPropagated()Z
class java/beans/beancontext/BeanContextSupport$BCSChild java/lang/Object
java/beans/beancontext/BeanContextSupport$BCSChild serialVersionUID
java/beans/beancontext/BeanContextSupport$BCSChild child
java/beans/beancontext/BeanContextSupport$BCSChild proxyPeer
java/beans/beancontext/BeanContextSupport$BCSChild removePending
java/beans/beancontext/BeanContextSupport$BCSChild this$0
java/beans/beancontext/BeanContextSupport$BCSChild
<init>(Ljava/beans/beancontext/BeanContextSupport;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextSupport$BCSChild getChild()Ljava/lang/Object;
java/beans/beancontext/BeanContextSupport$BCSChild setRemovePending(Z)V
java/beans/beancontext/BeanContextSupport$BCSChild isRemovePending()Z
java/beans/beancontext/BeanContextSupport$BCSChild
isProxyPeer()Z
java/beans/beancontext/BeanContextSupport$BCSChild getProxyPeer()Ljava/lang/Object;
class java/awt/print/PageFormat java/lang/Object
java/awt/print/PageFormat LANDSCAPE
java/awt/print/PageFormat PORTRAIT
java/awt/print/PageFormat REVERSE_LANDSCAPE
java/awt/print/PageFormat mPaper
java/awt/print/PageFormat mOrientation
java/awt/print/PageFormat <init>()V
java/awt/print/PageFormat clone()Ljava/lang/Object;
java/awt/print/PageFormat getWidth()D
java/awt/print/PageFormat getHeight()D
java/awt/print/PageFormat getImageableX()D
java/awt/print/PageFormat getImageableY()D
java/awt/print/PageFormat getImageableWidth()D
java/awt/print/PageFormat getImageableHeight()D
java/awt/print/PageFormat getPaper()Ljava/awt/print/Paper;
java/awt/print/PageFormat setPaper(Ljava/awt/print/Paper;)V
java/awt/print/PageFormat setOrientation(I)V
java/awt/print/PageFormat getOrientation()I
java/awt/print/PageFormat getMatrix()[D
class java/beans/beancontext/BeanContextSupport$2 java/lang/Object
java/beans/beancontext/BeanContextSupport$2
this$0
java/beans/beancontext/BeanContextSupport$2 <init>(Ljava/beans/beancontext/BeanContextSupport;)V
java/beans/beancontext/BeanContextSupport$2 vetoableChange(Ljava/beans/PropertyChangeEvent;)V
class java/beans/beancontext/BeanContextSupport$1 java/lang/Object
java/beans/beancontext/BeanContextSupport$1 this$0
java/beans/beancontext/BeanContextSupport$1 <init>(Ljava/beans/beancontext/BeanContextSupport;)V
java/beans/beancontext/BeanContextSupport$1 propertyChange(Ljava/beans/PropertyChangeEvent;)V

class java/beans/VetoableChangeSupport java/lang/Object
java/beans/VetoableChangeSupport listeners
java/beans/VetoableChangeSupport children
java/beans/VetoableChangeSupport source
java/beans/VetoableChangeSupport vetoableChangeSupportSerializedDataVersion
java/beans/VetoableChangeSupport serialVersionUID
java/beans/VetoableChangeSupport <init>(Ljava/lang/Object;)V
java/beans/VetoableChangeSupport addVetoableChangeListener(Ljava/beans/VetoableChangeListener;)V
java/beans/VetoableChangeSupport
removeVetoableChangeListener(Ljava/beans/VetoableChangeListener;)V
java/beans/VetoableChangeSupport getVetoableChangeListeners()[Ljava/beans/VetoableChangeListener;
java/beans/VetoableChangeSupport
addVetoableChangeListener(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
java/beans/VetoableChangeSupport
removeVetoableChangeListener(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
java/beans/VetoableChangeSupport
getVetoableChangeListeners(Ljava/lang/String;)[Ljava/beans/VetoableChangeListener;
java/beans/VetoableChangeSupport fireVetoableChange(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/VetoableChangeSupport fireVetoableChange(Ljava/lang/String;II)V
java/beans/VetoableChangeSupport fireVetoableChange(Ljava/lang/String;ZZ)V
java/beans/VetoableChangeSupport fireVetoableChange(Ljava/beans/PropertyChangeEvent;)V
java/beans/VetoableChangeSupport hasListeners(Ljava/lang/String;)Z
java/beans/VetoableChangeSupport
writeObject(Ljava/io/ObjectOutputStream;)V
java/beans/VetoableChangeSupport readObject(Ljava/io/ObjectInputStream;)V
class java/beans/beancontext/BeanContextSupport java/beans/beancontext/BeanContextChildSupport
java/beans/beancontext/BeanContextSupport serialVersionUID
java/beans/beancontext/BeanContextSupport children
java/beans/beancontext/BeanContextSupport serializable
java/beans/beancontext/BeanContextSupport bcmListeners
java/beans/beancontext/BeanContextSupport locale
java/beans/beancontext/BeanContextSupport okToUseGui
java/beans/beancontext/BeanContextSupport designTime
java/beans/beancontext/BeanContextSupport childPCL
java/beans/beancontext/BeanContextSupport childVCL
java/beans/beancontext/BeanContextSupport serializing
java/beans/beancontext/BeanContextSupport <init>(Ljava/beans/beancontext/BeanContext;Ljava/util/Locale;ZZ)V
java/beans/beancontext/BeanContextSupport <init>(Ljava/beans/beancontext/BeanContext;Ljava/util/Locale;Z)V
java/beans/beancontext/BeanContextSupport
<init>(Ljava/beans/beancontext/BeanContext;Ljava/util/Locale;)V
java/beans/beancontext/BeanContextSupport <init>(Ljava/beans/beancontext/BeanContext;)V
java/beans/beancontext/BeanContextSupport <init>()V
java/beans/beancontext/BeanContextSupport getBeanContextPeer()Ljava/beans/beancontext/BeanContext;
java/beans/beancontext/BeanContextSupport instantiateChild(Ljava/lang/String;)Ljava/lang/Object;
java/beans/beancontext/BeanContextSupport size()I
java/beans/beancontext/BeanContextSupport isEmpty()Z
java/beans/beancontext/BeanContextSupport contains(Ljava/lang/Object;)Z
java/beans/beancontext/BeanContextSupport containsKey(Ljava/lang/Object;)Z

java/beans/beancontext/BeanContextSupport iterator()Ljava/util/Iterator;
java/beans/beancontext/BeanContextSupport toArray()[Ljava/lang/Object;
java/beans/beancontext/BeanContextSupport toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/beans/beancontext/BeanContextSupport
createBCSChild(Ljava/lang/Object;Ljava/lang/Object;)Ljava/beans/beancontext/BeanContextSupport$BCSChild;
java/beans/beancontext/BeanContextSupport
add(Ljava/lang/Object;)Z
java/beans/beancontext/BeanContextSupport remove(Ljava/lang/Object;)Z
java/beans/beancontext/BeanContextSupport remove(Ljava/lang/Object;Z)Z
java/beans/beancontext/BeanContextSupport containsAll(Ljava/util/Collection;)Z
java/beans/beancontext/BeanContextSupport addAll(Ljava/util/Collection;)Z
java/beans/beancontext/BeanContextSupport removeAll(Ljava/util/Collection;)Z
java/beans/beancontext/BeanContextSupport retainAll(Ljava/util/Collection;)Z
java/beans/beancontext/BeanContextSupport clear()V
java/beans/beancontext/BeanContextSupport
addBeanContextMembershipListener(Ljava/beans/beancontext/BeanContextMembershipListener;)V
java/beans/beancontext/BeanContextSupport
removeBeanContextMembershipListener(Ljava/beans/beancontext/BeanContextMembershipListener;)V
java/beans/beancontext/BeanContextSupport
getResourceAsStream(Ljava/lang/String;Ljava/beans/beancontext/BeanContextChild;)Ljava/io/InputStream;
java/beans/beancontext/BeanContextSupport
getResource(Ljava/lang/String;Ljava/beans/beancontext/BeanContextChild;)Ljava/net/URL;
java/beans/beancontext/BeanContextSupport setDesignTime(Z)V
java/beans/beancontext/BeanContextSupport isDesignTime()Z
java/beans/beancontext/BeanContextSupport setLocale(Ljava/util/Locale;)V
java/beans/beancontext/BeanContextSupport getLocale()Ljava/util/Locale;
java/beans/beancontext/BeanContextSupport needsGui()Z
java/beans/beancontext/BeanContextSupport dontUseGui()V
java/beans/beancontext/BeanContextSupport okToUseGui()V
java/beans/beancontext/BeanContextSupport avoidingGui()Z
java/beans/beancontext/BeanContextSupport isSerializing()Z
java/beans/beancontext/BeanContextSupport bcsChildren()Ljava/util/Iterator;
java/beans/beancontext/BeanContextSupport bcsPreSerializationHook(Ljava/io/ObjectOutputStream;)V
java/beans/beancontext/BeanContextSupport bcsPreDeserializationHook(Ljava/io/ObjectInputStream;)V
java/beans/beancontext/BeanContextSupport
childDeserializedHook(Ljava/lang/Object;Ljava/beans/beancontext/BeanContextSupport$BCSChild;)V
java/beans/beancontext/BeanContextSupport serialize(Ljava/io/ObjectOutputStream;Ljava/util/Collection;)V
java/beans/beancontext/BeanContextSupport deserialize(Ljava/io/ObjectInputStream;Ljava/util/Collection;)V
java/beans/beancontext/BeanContextSupport writeChildren(Ljava/io/ObjectOutputStream;)V
java/beans/beancontext/BeanContextSupport writeObject(Ljava/io/ObjectOutputStream;)V
java/beans/beancontext/BeanContextSupport readChildren(Ljava/io/ObjectInputStream;)V
java/beans/beancontext/BeanContextSupport readObject(Ljava/io/ObjectInputStream;)V
java/beans/beancontext/BeanContextSupport vetoableChange(Ljava/beans/PropertyChangeEvent;)V
java/beans/beancontext/BeanContextSupport propertyChange(Ljava/beans/PropertyChangeEvent;)V
java/beans/beancontext/BeanContextSupport validatePendingAdd(Ljava/lang/Object;)Z
java/beans/beancontext/BeanContextSupport validatePendingRemove(Ljava/lang/Object;)Z
java/beans/beancontext/BeanContextSupport

childJustAddedHook(Ljava/lang/Object;Ljava/beans/beancontext/BeanContextSupport$BCSChild;)V
java/beans/beancontext/BeanContextSupport
childJustRemovedHook(Ljava/lang/Object;Ljava/beans/beancontext/BeanContextSupport$BCSChild;)V
java/beans/beancontext/BeanContextSupport getChildVisibility(Ljava/lang/Object;)Ljava/beans/Visibility;
java/beans/beancontext/BeanContextSupport getChildSerializable(Ljava/lang/Object;)Ljava/io/Serializable;
java/beans/beancontext/BeanContextSupport
getChildPropertyChangeListener(Ljava/lang/Object;)Ljava/beans/PropertyChangeListener;
java/beans/beancontext/BeanContextSupport
getChildVetoableChangeListener(Ljava/lang/Object;)Ljava/beans/VetoableChangeListener;
java/beans/beancontext/BeanContextSupport
getChildBeanContextMembershipListener(Ljava/lang/Object;)Ljava/beans/beancontext/BeanContextMembershipLi
stener;
java/beans/beancontext/BeanContextSupport
getChildBeanContextChild(Ljava/lang/Object;)Ljava/beans/beancontext/BeanContextChild;
java/beans/beancontext/BeanContextSupport
fireChildrenAdded(Ljava/beans/beancontext/BeanContextMembershipEvent;)V
java/beans/beancontext/BeanContextSupport
fireChildrenRemoved(Ljava/beans/beancontext/BeanContextMembershipEvent;)V
java/beans/beancontext/BeanContextSupport initialize()V
java/beans/beancontext/BeanContextSupport copyChildren()[Ljava/lang/Object;
java/beans/beancontext/BeanContextSupport classEquals(Ljava/lang/Class;Ljava/lang/Class;)Z
class java/beans/beancontext/BeanContextChildSupport java/lang/Object
java/beans/beancontext/BeanContextChildSupport serialVersionUID
java/beans/beancontext/BeanContextChildSupport beanContextChildPeer
java/beans/beancontext/BeanContextChildSupport pcSupport
java/beans/beancontext/BeanContextChildSupport vcSupport
java/beans/beancontext/BeanContextChildSupport beanContext
java/beans/beancontext/BeanContextChildSupport rejectedSetBCOnce
java/beans/beancontext/BeanContextChildSupport <init>()V
java/beans/beancontext/BeanContextChildSupport
<init>(Ljava/beans/beancontext/BeanContextChild;)V
java/beans/beancontext/BeanContextChildSupport setBeanContext(Ljava/beans/beancontext/BeanContext;)V
java/beans/beancontext/BeanContextChildSupport getBeanContext()Ljava/beans/beancontext/BeanContext;
java/beans/beancontext/BeanContextChildSupport
addPropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/beans/beancontext/BeanContextChildSupport
removePropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/beans/beancontext/BeanContextChildSupport
addVetoableChangeListener(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
java/beans/beancontext/BeanContextChildSupport
removeVetoableChangeListener(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
java/beans/beancontext/BeanContextChildSupport
serviceRevoked(Ljava/beans/beancontext/BeanContextServiceRevokedEvent;)V
java/beans/beancontext/BeanContextChildSupport
serviceAvailable(Ljava/beans/beancontext/BeanContextServiceAvailableEvent;)V
java/beans/beancontext/BeanContextChildSupport
getBeanContextChildPeer()Ljava/beans/beancontext/BeanContextChild;
java/beans/beancontext/BeanContextChildSupport isDelegated()Z

java/beans/beancontext/BeanContextChildSupport
firePropertyChange(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextChildSupport
fireVetoableChange(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/beancontext/BeanContextChildSupport
validatePendingSetBeanContext(Ljava/beans/beancontext/BeanContext;)Z
java/beans/beancontext/BeanContextChildSupport releaseBeanContextResources()V
java/beans/beancontext/BeanContextChildSupport initializeBeanContextResources()V
java/beans/beancontext/BeanContextChildSupport writeObject(Ljava/io/ObjectOutputStream;)V
java/beans/beancontext/BeanContextChildSupport readObject(Ljava/io/ObjectInputStream;)V
class java/beans/beancontext/BeanContextServicesListener java/lang/Object
java/beans/beancontext/BeanContextServicesListener
serviceAvailable(Ljava/beans/beancontext/BeanContextServiceAvailableEvent;)V
class java/beans/beancontext/BeanContextServiceRevokedListener java/lang/Object
java/beans/beancontext/BeanContextServiceRevokedListener
serviceRevoked(Ljava/beans/beancontext/BeanContextServiceRevokedEvent;)V
class java/beans/beancontext/BeanContext java/lang/Object
java/beans/beancontext/BeanContext globalHierarchyLock
java/beans/beancontext/BeanContext instantiateChild(Ljava/lang/String;)Ljava/lang/Object;
java/beans/beancontext/BeanContext
getResourceAsStream(Ljava/lang/String;Ljava/beans/beancontext/BeanContextChild;)Ljava/io/InputStream;
java/beans/beancontext/BeanContext
getResource(Ljava/lang/String;Ljava/beans/beancontext/BeanContextChild;)Ljava/net/URL;
java/beans/beancontext/BeanContext
addBeanContextMembershipListener(Ljava/beans/beancontext/BeanContextMembershipListener;)V
java/beans/beancontext/BeanContext
removeBeanContextMembershipListener(Ljava/beans/beancontext/BeanContextMembershipListener;)V
java/beans/beancontext/BeanContext
<clinit>()V
class java/beans/Visibility java/lang/Object
java/beans/Visibility needsGui()Z
java/beans/Visibility dontUseGui()V
java/beans/Visibility okToUseGui()V
java/beans/Visibility avoidingGui()Z
class java/beans/DesignMode java/lang/Object
java/beans/DesignMode PROPERTYNAME
java/beans/DesignMode setDesignTime(Z)V
java/beans/DesignMode isDesignTime()Z
class java/beans/beancontext/BeanContextChild java/lang/Object
java/beans/beancontext/BeanContextChild setBeanContext(Ljava/beans/beancontext/BeanContext;)V
java/beans/beancontext/BeanContextChild getBeanContext()Ljava/beans/beancontext/BeanContext;
java/beans/beancontext/BeanContextChild
addPropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/beans/beancontext/BeanContextChild
removePropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/beans/beancontext/BeanContextChild
addVetoableChangeListener(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
java/beans/beancontext/BeanContextChild

removeVetoableChangeListener(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
class java/beans/IndexedPropertyDescriptor java/beans/PropertyDescriptor
java/beans/IndexedPropertyDescriptor indexedPropertyTypeRef
java/beans/IndexedPropertyDescriptor indexedReadMethodRef
java/beans/IndexedPropertyDescriptor indexedWriteMethodRef
java/beans/IndexedPropertyDescriptor indexedReadMethodName
java/beans/IndexedPropertyDescriptor indexedWriteMethodName
java/beans/IndexedPropertyDescriptor <init>(Ljava/lang/String;Ljava/lang/Class;)V
java/beans/IndexedPropertyDescriptor
<init>(Ljava/lang/String;Ljava/lang/Class;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)
V
java/beans/IndexedPropertyDescriptor
<init>(Ljava/lang/String;Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;Ljava/lang
/reflect/Method;)V
java/beans/IndexedPropertyDescriptor getIndexedReadMethod()Ljava/lang/reflect/Method;
java/beans/IndexedPropertyDescriptor
setIndexedReadMethod(Ljava/lang/reflect/Method;)V
java/beans/IndexedPropertyDescriptor setIndexedReadMethod0(Ljava/lang/reflect/Method;)V
java/beans/IndexedPropertyDescriptor getIndexedWriteMethod()Ljava/lang/reflect/Method;
java/beans/IndexedPropertyDescriptor setIndexedWriteMethod(Ljava/lang/reflect/Method;)V
java/beans/IndexedPropertyDescriptor setIndexedWriteMethod0(Ljava/lang/reflect/Method;)V
java/beans/IndexedPropertyDescriptor getIndexedPropertyType()Ljava/lang/Class;
java/beans/IndexedPropertyDescriptor setIndexedPropertyType(Ljava/lang/Class;)V
java/beans/IndexedPropertyDescriptor getIndexedPropertyType0()Ljava/lang/Class;
java/beans/IndexedPropertyDescriptor getIndexedReadMethod0()Ljava/lang/reflect/Method;
java/beans/IndexedPropertyDescriptor getIndexedWriteMethod0()Ljava/lang/reflect/Method;
java/beans/IndexedPropertyDescriptor
findIndexedPropertyType(Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;)Ljava/lang/Class;
java/beans/IndexedPropertyDescriptor
equals(Ljava/lang/Object;)Z
java/beans/IndexedPropertyDescriptor <init>(Ljava/beans/PropertyDescriptor;Ljava/beans/PropertyDescriptor;)V
java/beans/IndexedPropertyDescriptor <init>(Ljava/beans/IndexedPropertyDescriptor;)V
java/beans/IndexedPropertyDescriptor hashCode()I
class java/awt/print/PrinterJob java/lang/Object
java/awt/print/PrinterJob getPrinterJob()Ljava/awt/print/PrinterJob;
java/awt/print/PrinterJob lookupPrintServices()[Ljavax/print/PrintService;
java/awt/print/PrinterJob lookupStreamPrintServices(Ljava/lang/String;)[Ljavax/print/StreamPrintServiceFactory;
java/awt/print/PrinterJob <init>()V
java/awt/print/PrinterJob getPrintService()Ljavax/print/PrintService;
java/awt/print/PrinterJob setPrintService(Ljavax/print/PrintService;)V
java/awt/print/PrinterJob setPrintable(Ljava/awt/print/Printable;)V
java/awt/print/PrinterJob setPrintable(Ljava/awt/print/Printable;Ljava/awt/print/PageFormat;)V
java/awt/print/PrinterJob
setPageable(Ljava/awt/print/Pageable;)V
java/awt/print/PrinterJob printDialog()Z
java/awt/print/PrinterJob printDialog(Ljavax/print/attribute/PrintRequestAttributeSet;)Z
java/awt/print/PrinterJob pageDialog(Ljava/awt/print/PageFormat;)Ljava/awt/print/PageFormat;
java/awt/print/PrinterJob pageDialog(Ljavax/print/attribute/PrintRequestAttributeSet;)Ljava/awt/print/PageFormat;

java/awt/print/PrinterJob defaultPage(Ljava/awt/print/PageFormat;)Ljava/awt/print/PageFormat;
java/awt/print/PrinterJob defaultPage()Ljava/awt/print/PageFormat;
java/awt/print/PrinterJob validatePage(Ljava/awt/print/PageFormat;)Ljava/awt/print/PageFormat;
java/awt/print/PrinterJob print()V
java/awt/print/PrinterJob print(Ljavax/print/attribute/PrintRequestAttributeSet;)V
java/awt/print/PrinterJob setCopies(I)V
java/awt/print/PrinterJob getCopies()I
java/awt/print/PrinterJob getUserName()Ljava/lang/String;
java/awt/print/PrinterJob setJobName(Ljava/lang/String;)V
java/awt/print/PrinterJob getJobName()Ljava/lang/String;
java/awt/print/PrinterJob
 cancel()V
java/awt/print/PrinterJob isCancelled()Z
class java/awt/print/PrinterAbortException java/awt/print/PrinterException
java/awt/print/PrinterAbortException <init>()V
java/awt/print/PrinterAbortException <init>(Ljava/lang/String;)V
class java/awt/print/PrinterException java/lang/Exception
java/awt/print/PrinterException <init>()V
java/awt/print/PrinterException <init>(Ljava/lang/String;)V
class java/text/BreakIterator java/lang/Object
java/text/BreakIterator DONE
java/text/BreakIterator CHARACTER_INDEX
java/text/BreakIterator WORD_INDEX
java/text/BreakIterator LINE_INDEX
java/text/BreakIterator SENTENCE_INDEX
java/text/BreakIterator iterCache
java/text/BreakIterator <init>()V
java/text/BreakIterator clone()Ljava/lang/Object;
java/text/BreakIterator first()I
java/text/BreakIterator last()I
java/text/BreakIterator next(I)I
java/text/BreakIterator next()I
java/text/BreakIterator previous()I
java/text/BreakIterator following(I)I
java/text/BreakIterator preceding(I)I
java/text/BreakIterator
 isBoundary(I)Z
java/text/BreakIterator current()I
java/text/BreakIterator getText()Ljava/text/CharacterIterator;
java/text/BreakIterator setText(Ljava/lang/String;)V
java/text/BreakIterator setText(Ljava/text/CharacterIterator;)V
java/text/BreakIterator getWordInstance()Ljava/text/BreakIterator;
java/text/BreakIterator getWordInstance(Ljava/util/Locale;)Ljava/text/BreakIterator;
java/text/BreakIterator getLineInstance()Ljava/text/BreakIterator;
java/text/BreakIterator getLineInstance(Ljava/util/Locale;)Ljava/text/BreakIterator;
java/text/BreakIterator getCharacterInstance()Ljava/text/BreakIterator;
java/text/BreakIterator getCharacterInstance(Ljava/util/Locale;)Ljava/text/BreakIterator;
java/text/BreakIterator getSentenceInstance()Ljava/text/BreakIterator;

java/text/BreakIterator getSentenceInstance(Ljava/util/Locale;)Ljava/text/BreakIterator;
java/text/BreakIterator
getBreakInstance(Ljava/util/Locale;ILjava/lang/String;Ljava/lang/String;)Ljava/text/BreakIterator;
java/text/BreakIterator
getBundle(Ljava/lang/String;Ljava/util/Locale;)Ljava/util/ResourceBundle;
java/text/BreakIterator
createBreakInstance(Ljava/util/Locale;ILjava/lang/String;Ljava/lang/String;)Ljava/text/BreakIterator;
java/text/BreakIterator getAvailableLocales()[Ljava/util/Locale;
java/text/BreakIterator getLong([BI)J
java/text/BreakIterator getInt([BI)I
java/text/BreakIterator getShort([BI)S
java/text/BreakIterator <clinit>()V
class java/awt/color/ICC_Profile$3 java/lang/Object
java/awt/color/ICC_Profile$3 val$fileName
java/awt/color/ICC_Profile$3 <init>(Ljava/lang/String;)V
java/awt/color/ICC_Profile$3 run()Ljava/lang/Object;
class java/awt/color/ICC_Profile$2 java/lang/Object
java/awt/color/ICC_Profile$2 val$name
java/awt/color/ICC_Profile$2 <init>(Ljava/lang/String;)V
java/awt/color/ICC_Profile$2 run()Ljava/lang/Object;
class java/lang/reflect/UndeclaredThrowableException java/lang/RuntimeException
java/lang/reflect/UndeclaredThrowableException serialVersionUID
java/lang/reflect/UndeclaredThrowableException
undeclaredThrowable
java/lang/reflect/UndeclaredThrowableException <init>(Ljava/lang/Throwable;)V
java/lang/reflect/UndeclaredThrowableException <init>(Ljava/lang/Throwable;Ljava/lang/String;)V
java/lang/reflect/UndeclaredThrowableException getUndeclaredThrowable()Ljava/lang/Throwable;
java/lang/reflect/UndeclaredThrowableException getCause()Ljava/lang/Throwable;
class java/beans/BeanDescriptor java/beans/FeatureDescriptor
java/beans/BeanDescriptor beanClassRef
java/beans/BeanDescriptor customizerClassRef
java/beans/BeanDescriptor <init>(Ljava/lang/Class;)V
java/beans/BeanDescriptor <init>(Ljava/lang/Class;Ljava/lang/Class;)V
java/beans/BeanDescriptor getBeanClass()Ljava/lang/Class;
java/beans/BeanDescriptor getCustomizerClass()Ljava/lang/Class;
java/beans/BeanDescriptor <init>(Ljava/beans/BeanDescriptor;)V
class java/util/PropertyPermission java/security/BasicPermission
java/util/PropertyPermission READ
java/util/PropertyPermission WRITE
java/util/PropertyPermission
ALL
java/util/PropertyPermission NONE
java/util/PropertyPermission mask
java/util/PropertyPermission actions
java/util/PropertyPermission serialVersionUID
java/util/PropertyPermission init(I)V
java/util/PropertyPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
java/util/PropertyPermission implies(Ljava/security/Permission;)Z

java/util/PropertyPermission equals(Ljava/lang/Object;)Z
java/util/PropertyPermission hashCode()I
java/util/PropertyPermission getMask(Ljava/lang/String;)I
java/util/PropertyPermission getActions(I)Ljava/lang/String;
java/util/PropertyPermission getActions()Ljava/lang/String;
java/util/PropertyPermission getMask()I
java/util/PropertyPermission newPermissionCollection()Ljava/security/PermissionCollection;
java/util/PropertyPermission writeObject(Ljava/io/ObjectOutputStream;)V
java/util/PropertyPermission readObject(Ljava/io/ObjectInputStream;)V
class java/io/OptionalDataException java/io/ObjectStreamException
java/io/OptionalDataException
 length
java/io/OptionalDataException eof
java/io/OptionalDataException <init>(I)V
java/io/OptionalDataException <init>(Z)V
class java/util/WeakHashMap$EntryIterator java/util/WeakHashMap$HashIterator
java/util/WeakHashMap$EntryIterator this$0
java/util/WeakHashMap$EntryIterator <init>(Ljava/util/WeakHashMap;)V
java/util/WeakHashMap$EntryIterator next()Ljava/util/Map$Entry;
java/util/WeakHashMap$EntryIterator next()Ljava/lang/Object;
java/util/WeakHashMap$EntryIterator <init>(Ljava/util/WeakHashMap;Ljava/util/WeakHashMap$1;)V
class java/util/WeakHashMap$HashIterator java/lang/Object
java/util/WeakHashMap$HashIterator index
java/util/WeakHashMap$HashIterator entry
java/util/WeakHashMap$HashIterator lastReturned
java/util/WeakHashMap$HashIterator expectedModCount
java/util/WeakHashMap$HashIterator nextKey
java/util/WeakHashMap$HashIterator currentKey
java/util/WeakHashMap$HashIterator this$0
java/util/WeakHashMap$HashIterator <init>(Ljava/util/WeakHashMap;)V
java/util/WeakHashMap$HashIterator
 hasNext()Z
java/util/WeakHashMap$HashIterator nextEntry()Ljava/util/WeakHashMap$Entry;
java/util/WeakHashMap$HashIterator remove()V
class java/util/WeakHashMap$EntrySet java/util/AbstractSet
java/util/WeakHashMap$EntrySet this$0
java/util/WeakHashMap$EntrySet <init>(Ljava/util/WeakHashMap;)V
java/util/WeakHashMap$EntrySet iterator()Ljava/util/Iterator;
java/util/WeakHashMap$EntrySet contains(Ljava/lang/Object;)Z
java/util/WeakHashMap$EntrySet remove(Ljava/lang/Object;)Z
java/util/WeakHashMap$EntrySet size()I
java/util/WeakHashMap$EntrySet clear()V
java/util/WeakHashMap$EntrySet toArray()[Ljava/lang/Object;
java/util/WeakHashMap$EntrySet toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/WeakHashMap$EntrySet <init>(Ljava/util/WeakHashMap;Ljava/util/WeakHashMap$1;)V
class java/beans/beancontext/BeanContextProxy java/lang/Object
java/beans/beancontext/BeanContextProxy getBeanContextProxy()Ljava/beans/beancontext/BeanContextChild;
class java/io/CharArrayWriter java/io/Writer

java/io/CharArrayWriter
 buf
java/io/CharArrayWriter count
java/io/CharArrayWriter <init>()V
java/io/CharArrayWriter <init>(I)V
java/io/CharArrayWriter write(I)V
java/io/CharArrayWriter write([CII)V
java/io/CharArrayWriter write(Ljava/lang/String;II)V
java/io/CharArrayWriter writeTo(Ljava/io/Writer;)V
java/io/CharArrayWriter append(Ljava/lang/CharSequence;)Ljava/io/CharArrayWriter;
java/io/CharArrayWriter append(Ljava/lang/CharSequence;II)Ljava/io/CharArrayWriter;
java/io/CharArrayWriter append(C)Ljava/io/CharArrayWriter;
java/io/CharArrayWriter reset()V
java/io/CharArrayWriter toCharArray()[C
java/io/CharArrayWriter size()I
java/io/CharArrayWriter toString()Ljava/lang/String;
java/io/CharArrayWriter flush()V
java/io/CharArrayWriter close()V
java/io/CharArrayWriter append(C)Ljava/io/Writer;
java/io/CharArrayWriter append(Ljava/lang/CharSequence;II)Ljava/io/Writer;
java/io/CharArrayWriter append(Ljava/lang/CharSequence;)Ljava/io/Writer;
java/io/CharArrayWriter append(C)Ljava/lang/Appendable;
java/io/CharArrayWriter
 append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/io/CharArrayWriter append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
class java/util/jar/JarInputStream java/util/zip/ZipInputStream
java/util/jar/JarInputStream man
java/util/jar/JarInputStream first
java/util/jar/JarInputStream jv
java/util/jar/JarInputStream mev
java/util/jar/JarInputStream <init>(Ljava/io/InputStream;)V
java/util/jar/JarInputStream <init>(Ljava/io/InputStream;Z)V
java/util/jar/JarInputStream getBytes(Ljava/io/InputStream;)[B
java/util/jar/JarInputStream getManifest()Ljava/util/jar/Manifest;
java/util/jar/JarInputStream getNextEntry()Ljava/util/zip/ZipEntry;
java/util/jar/JarInputStream getNextJarEntry()Ljava/util/jar/JarEntry;
java/util/jar/JarInputStream read([BII)I
java/util/jar/JarInputStream createZipEntry(Ljava/lang/String;)Ljava/util/zip/ZipEntry;
class java/io/CharConversionException java/io/IOException
java/io/CharConversionException <init>()V
java/io/CharConversionException
 <init>(Ljava/lang/String;)V
class java/net/UnknownServiceException java/io/IOException
java/net/UnknownServiceException <init>()V
java/net/UnknownServiceException <init>(Ljava/lang/String;)V
class java/util/jar/JarVerifier$VerifierStream java/io/InputStream
java/util/jar/JarVerifier$VerifierStream is
java/util/jar/JarVerifier$VerifierStream jv

java/util/jar/JarVerifier$VerifierStream mev
java/util/jar/JarVerifier$VerifierStream numLeft
java/util/jar/JarVerifier$VerifierStream
<init>(Ljava/util/jar/Manifest;Ljava/util/jar/JarEntry;Ljava/io/InputStream;Ljava/util/jar/JarVerifier;)V
java/util/jar/JarVerifier$VerifierStream read()I
java/util/jar/JarVerifier$VerifierStream read([BII)I
java/util/jar/JarVerifier$VerifierStream close()V
java/util/jar/JarVerifier$VerifierStream available()I
class java/security/CodeSigner java/lang/Object
java/security/CodeSigner serialVersionUID
java/security/CodeSigner signerCertPath
java/security/CodeSigner timestamp
java/security/CodeSigner
myhash
java/security/CodeSigner <init>(Ljava/security/cert/CertPath;Ljava/security/Timestamp;)V
java/security/CodeSigner getSignerCertPath()Ljava/security/cert/CertPath;
java/security/CodeSigner getTimestamp()Ljava/security/Timestamp;
java/security/CodeSigner hashCode()I
java/security/CodeSigner equals(Ljava/lang/Object;)Z
java/security/CodeSigner toString()Ljava/lang/String;
class java/security/cert/CertPath java/lang/Object
java/security/cert/CertPath serialVersionUID
java/security/cert/CertPath type
java/security/cert/CertPath <init>(Ljava/lang/String;)V
java/security/cert/CertPath getType()Ljava/lang/String;
java/security/cert/CertPath getEncodings()Ljava/util/Iterator;
java/security/cert/CertPath equals(Ljava/lang/Object;)Z
java/security/cert/CertPath hashCode()I
java/security/cert/CertPath toString()Ljava/lang/String;
java/security/cert/CertPath getEncoded()[B
java/security/cert/CertPath getEncoded(Ljava/lang/String;)[B
java/security/cert/CertPath getCertificates()Ljava/util/List;
java/security/cert/CertPath
writeReplace()Ljava/lang/Object;
class java/security/spec/DSAPublicKeySpec java/lang/Object
java/security/spec/DSAPublicKeySpec y
java/security/spec/DSAPublicKeySpec p
java/security/spec/DSAPublicKeySpec q
java/security/spec/DSAPublicKeySpec g
java/security/spec/DSAPublicKeySpec
<init>(Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/DSAPublicKeySpec getY()Ljava/math/BigInteger;
java/security/spec/DSAPublicKeySpec getP()Ljava/math/BigInteger;
java/security/spec/DSAPublicKeySpec getQ()Ljava/math/BigInteger;
java/security/spec/DSAPublicKeySpec getG()Ljava/math/BigInteger;
class java/security/interfaces/RSAPrivateCrtKey java/lang/Object
java/security/interfaces/RSAPrivateCrtKey serialVersionUID
java/security/interfaces/RSAPrivateCrtKey getPublicExponent()Ljava/math/BigInteger;

java/security/interfaces/RSAPrivateCrtKey getPrimeP()Ljava/math/BigInteger;
java/security/interfaces/RSAPrivateCrtKey getPrimeQ()Ljava/math/BigInteger;
java/security/interfaces/RSAPrivateCrtKey
getPrimeExponentP()Ljava/math/BigInteger;
java/security/interfaces/RSAPrivateCrtKey getPrimeExponentQ()Ljava/math/BigInteger;
java/security/interfaces/RSAPrivateCrtKey getCrtCoefficient()Ljava/math/BigInteger;
class java/security/interfaces/RSAPrivateKey java/lang/Object
java/security/interfaces/RSAPrivateKey serialVersionUID
java/security/interfaces/RSAPrivateKey getPrivateExponent()Ljava/math/BigInteger;
class java/security/interfaces/RSAPublicKey java/lang/Object
java/security/interfaces/RSAPublicKey serialVersionUID
java/security/interfaces/RSAPublicKey getPublicExponent()Ljava/math/BigInteger;
class java/security/interfaces/RSAKey java/lang/Object
java/security/interfaces/RSAKey getModulus()Ljava/math/BigInteger;
class java/security/spec/PKCS8EncodedKeySpec java/security/spec/EncodedKeySpec
java/security/spec/PKCS8EncodedKeySpec <init>([B)V
java/security/spec/PKCS8EncodedKeySpec getEncoded()[B
java/security/spec/PKCS8EncodedKeySpec
getFormat()Ljava/lang/String;
class java/security/spec/RSAPrivateCrtKeySpec java/security/spec/RSAPrivateKeySpec
java/security/spec/RSAPrivateCrtKeySpec publicExponent
java/security/spec/RSAPrivateCrtKeySpec primeP
java/security/spec/RSAPrivateCrtKeySpec primeQ
java/security/spec/RSAPrivateCrtKeySpec primeExponentP
java/security/spec/RSAPrivateCrtKeySpec primeExponentQ
java/security/spec/RSAPrivateCrtKeySpec crtCoefficient
java/security/spec/RSAPrivateCrtKeySpec
<init>(Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/Big
Integer;Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/RSAPrivateCrtKeySpec getPublicExponent()Ljava/math/BigInteger;
java/security/spec/RSAPrivateCrtKeySpec getPrimeP()Ljava/math/BigInteger;
java/security/spec/RSAPrivateCrtKeySpec getPrimeQ()Ljava/math/BigInteger;
java/security/spec/RSAPrivateCrtKeySpec getPrimeExponentP()Ljava/math/BigInteger;
java/security/spec/RSAPrivateCrtKeySpec
getPrimeExponentQ()Ljava/math/BigInteger;
java/security/spec/RSAPrivateCrtKeySpec getCrtCoefficient()Ljava/math/BigInteger;
class java/security/spec/RSAPrivateKeySpec java/lang/Object
java/security/spec/RSAPrivateKeySpec modulus
java/security/spec/RSAPrivateKeySpec privateExponent
java/security/spec/RSAPrivateKeySpec <init>(Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/RSAPrivateKeySpec getModulus()Ljava/math/BigInteger;
java/security/spec/RSAPrivateKeySpec getPrivateExponent()Ljava/math/BigInteger;
class java/security/spec/RSAPublicKeySpec java/lang/Object
java/security/spec/RSAPublicKeySpec modulus
java/security/spec/RSAPublicKeySpec publicExponent
java/security/spec/RSAPublicKeySpec <init>(Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/RSAPublicKeySpec getModulus()Ljava/math/BigInteger;
java/security/spec/RSAPublicKeySpec getPublicExponent()Ljava/math/BigInteger;

class java/security/KeyFactorySpi java/lang/Object
java/security/KeyFactorySpi
<init>()V
java/security/KeyFactorySpi engineGeneratePublic(Ljava/security/spec/KeySpec;)Ljava/security/PublicKey;
java/security/KeyFactorySpi engineGeneratePrivate(Ljava/security/spec/KeySpec;)Ljava/security/PrivateKey;
java/security/KeyFactorySpi
engineGetKeySpec(Ljava/security/Key;Ljava/lang/Class;)Ljava/security/spec/KeySpec;
java/security/KeyFactorySpi engineTranslateKey(Ljava/security/Key;)Ljava/security/Key;
class java/security/KeyFactory java/lang/Object
java/security/KeyFactory debug
java/security/KeyFactory algorithm
java/security/KeyFactory provider
java/security/KeyFactory spi
java/security/KeyFactory lock
java/security/KeyFactory serviceIterator
java/security/KeyFactory <init>(Ljava/security/KeyFactorySpi;Ljava/security/Provider;Ljava/lang/String;)V
java/security/KeyFactory <init>(Ljava/lang/String;)V
java/security/KeyFactory getInstance(Ljava/lang/String;)Ljava/security/KeyFactory;
java/security/KeyFactory getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/KeyFactory;
java/security/KeyFactory
getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/KeyFactory;
java/security/KeyFactory getProvider()Ljava/security/Provider;
java/security/KeyFactory getAlgorithm()Ljava/lang/String;
java/security/KeyFactory nextSpi(Ljava/security/KeyFactorySpi;)Ljava/security/KeyFactorySpi;
java/security/KeyFactory generatePublic(Ljava/security/spec/KeySpec;)Ljava/security/PublicKey;
java/security/KeyFactory generatePrivate(Ljava/security/spec/KeySpec;)Ljava/security/PrivateKey;
java/security/KeyFactory getKeySpec(Ljava/security/Key;Ljava/lang/Class;)Ljava/security/spec/KeySpec;
java/security/KeyFactory translateKey(Ljava/security/Key;)Ljava/security/Key;
java/security/KeyFactory <clinit>()V
class java/security/spec/X509EncodedKeySpec java/security/spec/EncodedKeySpec
java/security/spec/X509EncodedKeySpec <init>([B)V
java/security/spec/X509EncodedKeySpec getEncoded()[B
java/security/spec/X509EncodedKeySpec getFormat()Ljava/lang/String;
class
java/security/spec/EncodedKeySpec java/lang/Object
java/security/spec/EncodedKeySpec encodedKey
java/security/spec/EncodedKeySpec <init>([B)V
java/security/spec/EncodedKeySpec getEncoded()[B
java/security/spec/EncodedKeySpec getFormat()Ljava/lang/String;
class java/security/spec/KeySpec java/lang/Object
class java/security/cert/X509Certificate java/security/cert/Certificate
java/security/cert/X509Certificate serialVersionUID
java/security/cert/X509Certificate subjectX500Principal
java/security/cert/X509Certificate issuerX500Principal
java/security/cert/X509Certificate <init>()V
java/security/cert/X509Certificate checkValidity()V
java/security/cert/X509Certificate checkValidity(Ljava/util/Date;)V
java/security/cert/X509Certificate getVersion()I

java/security/cert/X509Certificate getSerialNumber()Ljava/math/BigInteger;
java/security/cert/X509Certificate getIssuerDN()Ljava/security/Principal;
java/security/cert/X509Certificate getIssuerX500Principal()Ljavax/security/auth/x500/X500Principal;
java/security/cert/X509Certificate
getSubjectDN()Ljava/security/Principal;
java/security/cert/X509Certificate getSubjectX500Principal()Ljavax/security/auth/x500/X500Principal;
java/security/cert/X509Certificate getNotBefore()Ljava/util/Date;
java/security/cert/X509Certificate getNotAfter()Ljava/util/Date;
java/security/cert/X509Certificate getTBSCertificate()[B
java/security/cert/X509Certificate getSignature()[B
java/security/cert/X509Certificate getSigAlgName()Ljava/lang/String;
java/security/cert/X509Certificate getSigAlgOID()Ljava/lang/String;
java/security/cert/X509Certificate getSigAlgParams()[B
java/security/cert/X509Certificate getIssuerUniqueID()[Z
java/security/cert/X509Certificate getSubjectUniqueID()[Z
java/security/cert/X509Certificate getKeyUsage()[Z
java/security/cert/X509Certificate getExtendedKeyUsage()Ljava/util/List;
java/security/cert/X509Certificate getBasicConstraints()I
java/security/cert/X509Certificate getSubjectAlternativeNames()Ljava/util/Collection;
java/security/cert/X509Certificate
getIssuerAlternativeNames()Ljava/util/Collection;
class java/security/cert/X509Extension java/lang/Object
java/security/cert/X509Extension hasUnsupportedCriticalExtension()Z
java/security/cert/X509Extension getCriticalExtensionOIDs()Ljava/util/Set;
java/security/cert/X509Extension getNonCriticalExtensionOIDs()Ljava/util/Set;
java/security/cert/X509Extension getExtensionValue(Ljava/lang/String;)[B
class java/security/cert/CertificateFactorySpi java/lang/Object
java/security/cert/CertificateFactorySpi <init>()V
java/security/cert/CertificateFactorySpi
engineGenerateCertificate(Ljava/io/InputStream;)Ljava/security/cert/Certificate;
java/security/cert/CertificateFactorySpi
engineGenerateCertPath(Ljava/io/InputStream;)Ljava/security/cert/CertPath;
java/security/cert/CertificateFactorySpi
engineGenerateCertPath(Ljava/io/InputStream;Ljava/lang/String;)Ljava/security/cert/CertPath;
java/security/cert/CertificateFactorySpi engineGenerateCertPath(Ljava/util/List;)Ljava/security/cert/CertPath;
java/security/cert/CertificateFactorySpi
engineGetCertPathEncodings()Ljava/util/Iterator;
java/security/cert/CertificateFactorySpi engineGenerateCertificates(Ljava/io/InputStream;)Ljava/util/Collection;
java/security/cert/CertificateFactorySpi engineGenerateCRL(Ljava/io/InputStream;)Ljava/security/cert/CRL;
java/security/cert/CertificateFactorySpi engineGenerateCRLs(Ljava/io/InputStream;)Ljava/util/Collection;
class java/security/cert/CertificateFactory java/lang/Object
java/security/cert/CertificateFactory type
java/security/cert/CertificateFactory provider
java/security/cert/CertificateFactory certFacSpi
java/security/cert/CertificateFactory
<init>(Ljava/security/cert/CertificateFactorySpi;Ljava/security/Provider;Ljava/lang/String;)V
java/security/cert/CertificateFactory getInstance(Ljava/lang/String;)Ljava/security/cert/CertificateFactory;
java/security/cert/CertificateFactory

getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/cert/CertificateFactory;
java/security/cert/CertificateFactory
getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/cert/CertificateFactory;
java/security/cert/CertificateFactory getProvider()Ljava/security/Provider;
java/security/cert/CertificateFactory getType()Ljava/lang/String;
java/security/cert/CertificateFactory generateCertificate(Ljava/io/InputStream;)Ljava/security/cert/Certificate;
java/security/cert/CertificateFactory getCertPathEncodings()Ljava/util/Iterator;
java/security/cert/CertificateFactory generateCertPath(Ljava/io/InputStream;)Ljava/security/cert/CertPath;
java/security/cert/CertificateFactory
generateCertPath(Ljava/io/InputStream;Ljava/lang/String;)Ljava/security/cert/CertPath;
java/security/cert/CertificateFactory generateCertPath(Ljava/util/List;)Ljava/security/cert/CertPath;
java/security/cert/CertificateFactory generateCertificates(Ljava/io/InputStream;)Ljava/util/Collection;
java/security/cert/CertificateFactory generateCRL(Ljava/io/InputStream;)Ljava/security/cert/CRL;
java/security/cert/CertificateFactory
generateCRLs(Ljava/io/InputStream;)Ljava/util/Collection;
class java/lang/IllegalThreadStateException java/lang/IllegalArgumentException
java/lang/IllegalThreadStateException <init>()V
java/lang/IllegalThreadStateException <init>(Ljava/lang/String;)V
class java/beans/BeanInfo java/lang/Object
java/beans/BeanInfo ICON_COLOR_16x16
java/beans/BeanInfo ICON_COLOR_32x32
java/beans/BeanInfo ICON_MONO_16x16
java/beans/BeanInfo ICON_MONO_32x32
java/beans/BeanInfo getBeanDescriptor()Ljava/beans/BeanDescriptor;
java/beans/BeanInfo getEventSetDescriptors()[Ljava/beans/EventSetDescriptor;
java/beans/BeanInfo getDefaultEventIndex()I
java/beans/BeanInfo getPropertyDescriptors()[Ljava/beans/PropertyDescriptor;
java/beans/BeanInfo getDefaultPropertyIndex()I
java/beans/BeanInfo getMethodDescriptors()[Ljava/beans/MethodDescriptor;
java/beans/BeanInfo getAdditionalBeanInfo()[Ljava/beans/BeanInfo;
java/beans/BeanInfo getIcon(I)Ljava/awt/Image;
class
java/beans/PropertyEditorSupport java/lang/Object
java/beans/PropertyEditorSupport value
java/beans/PropertyEditorSupport source
java/beans/PropertyEditorSupport listeners
java/beans/PropertyEditorSupport <init>()V
java/beans/PropertyEditorSupport <init>(Ljava/lang/Object;)V
java/beans/PropertyEditorSupport getSource()Ljava/lang/Object;
java/beans/PropertyEditorSupport setSource(Ljava/lang/Object;)V
java/beans/PropertyEditorSupport setValue(Ljava/lang/Object;)V
java/beans/PropertyEditorSupport getValue()Ljava/lang/Object;
java/beans/PropertyEditorSupport isPaintable()Z
java/beans/PropertyEditorSupport paintValue(Ljava/awt/Graphics;Ljava/awt/Rectangle;)V
java/beans/PropertyEditorSupport getJavaInitializationString()Ljava/lang/String;
java/beans/PropertyEditorSupport getAsText()Ljava/lang/String;
java/beans/PropertyEditorSupport setAsText(Ljava/lang/String;)V
java/beans/PropertyEditorSupport getTags()[Ljava/lang/String;

java/beans/PropertyEditorSupport getCustomEditor()Ljava/awt/Component;
java/beans/PropertyEditorSupport
supportsCustomEditor()Z
java/beans/PropertyEditorSupport addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/beans/PropertyEditorSupport removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/beans/PropertyEditorSupport firePropertyChange()V
class java/beans/PropertyEditor java/lang/Object
java/beans/PropertyEditor setValue(Ljava/lang/Object;)V
java/beans/PropertyEditor getValue()Ljava/lang/Object;
java/beans/PropertyEditor isPaintable()Z
java/beans/PropertyEditor paintValue(Ljava/awt/Graphics;Ljava/awt/Rectangle;)V
java/beans/PropertyEditor getJavaInitializationString()Ljava/lang/String;
java/beans/PropertyEditor getAsText()Ljava/lang/String;
java/beans/PropertyEditor setAsText(Ljava/lang/String;)V
java/beans/PropertyEditor getTags()[Ljava/lang/String;
java/beans/PropertyEditor getCustomEditor()Ljava/awt/Component;
java/beans/PropertyEditor supportsCustomEditor()Z
java/beans/PropertyEditor addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/beans/PropertyEditor
removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
class java/beans/PropertyEditorManager java/lang/Object
java/beans/PropertyEditorManager searchPath
java/beans/PropertyEditorManager registry
java/beans/PropertyEditorManager <init>()V
java/beans/PropertyEditorManager registerEditor(Ljava/lang/Class;Ljava/lang/Class;)V
java/beans/PropertyEditorManager findEditor(Ljava/lang/Class;)Ljava/beans/PropertyEditor;
java/beans/PropertyEditorManager getEditorSearchPath()[Ljava/lang/String;
java/beans/PropertyEditorManager setEditorSearchPath([Ljava/lang/String;)V
java/beans/PropertyEditorManager load(Ljava/lang/Class;Ljava/lang/String;)V
java/beans/PropertyEditorManager initialize()V
java/beans/PropertyEditorManager <clinit>()V
class java/beans/EventSetDescriptor java/beans/FeatureDescriptor
java/beans/EventSetDescriptor listenerMethodDescriptors
java/beans/EventSetDescriptor addMethodDescriptor
java/beans/EventSetDescriptor
removeMethodDescriptor
java/beans/EventSetDescriptor getMethodDescriptor
java/beans/EventSetDescriptor listenerMethodsRef
java/beans/EventSetDescriptor listenerTypeRef
java/beans/EventSetDescriptor unicast
java/beans/EventSetDescriptor inDefaultEventSet
java/beans/EventSetDescriptor <init>(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/Class;Ljava/lang/String;)V
java/beans/EventSetDescriptor getListenerClassName(Ljava/lang/Class;)Ljava/lang/String;
java/beans/EventSetDescriptor
<init>(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/Class;[Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)
V
java/beans/EventSetDescriptor
<init>(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/Class;[Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;

Ljava/lang/String;)V
java/beans/EventSetDescriptor getMethod(Ljava/lang/Class;Ljava/lang/String;I)Ljava/lang/reflect/Method;
java/beans/EventSetDescriptor
<init>(Ljava/lang/String;Ljava/lang/Class;[Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;)V
java/beans/EventSetDescriptor
<init>(Ljava/lang/String;Ljava/lang/Class;[Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;)V
java/beans/EventSetDescriptor
<init>(Ljava/lang/String;Ljava/lang/Class;[Ljava/beans/MethodDescriptor;Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;)V
java/beans/EventSetDescriptor getListenerType()Ljava/lang/Class;
java/beans/EventSetDescriptor setListenerType(Ljava/lang/Class;)V
java/beans/EventSetDescriptor getListenerMethods()[Ljava/lang/reflect/Method;
java/beans/EventSetDescriptor setListenerMethods([Ljava/lang/reflect/Method;)V
java/beans/EventSetDescriptor getListenerMethods0()[Ljava/lang/reflect/Method;
java/beans/EventSetDescriptor getListenerMethodDescriptors()[Ljava/beans/MethodDescriptor;
java/beans/EventSetDescriptor getAddListenerMethod()Ljava/lang/reflect/Method;
java/beans/EventSetDescriptor setAddListenerMethod(Ljava/lang/reflect/Method;)V
java/beans/EventSetDescriptor
getRemoveListenerMethod()Ljava/lang/reflect/Method;
java/beans/EventSetDescriptor setRemoveListenerMethod(Ljava/lang/reflect/Method;)V
java/beans/EventSetDescriptor getGetListenerMethod()Ljava/lang/reflect/Method;
java/beans/EventSetDescriptor setGetListenerMethod(Ljava/lang/reflect/Method;)V
java/beans/EventSetDescriptor setUnicast(Z)V
java/beans/EventSetDescriptor isUnicast()Z
java/beans/EventSetDescriptor setInDefaultEventSet(Z)V
java/beans/EventSetDescriptor isInDefaultEventSet()Z
java/beans/EventSetDescriptor <init>(Ljava/beans/EventSetDescriptor;Ljava/beans/EventSetDescriptor;)V
java/beans/EventSetDescriptor <init>(Ljava/beans/EventSetDescriptor;)V
class java/beans/Introspector java/lang/Object
java/beans/Introspector USE_ALL_BEANINFO
java/beans/Introspector IGNORE_IMMEDIATE_BEANINFO
java/beans/Introspector IGNORE_ALL_BEANINFO
java/beans/Introspector declaredMethodCache
java/beans/Introspector beanInfoCache
java/beans/Introspector beanClass
java/beans/Introspector
explicitBeanInfo
java/beans/Introspector superBeanInfo
java/beans/Introspector additionalBeanInfo
java/beans/Introspector propertyChangeSource
java/beans/Introspector eventListenerType
java/beans/Introspector defaultEventName
java/beans/Introspector defaultPropertyName
java/beans/Introspector defaultEventIndex
java/beans/Introspector defaultPropertyIndex
java/beans/Introspector methods

java/beans/Introspector properties
java/beans/Introspector events
java/beans/Introspector DEFAULT_INFO_PATH
java/beans/Introspector searchPath
java/beans/Introspector EMPTY_EVENTSETDESCRIPTORS
java/beans/Introspector ADD_PREFIX
java/beans/Introspector REMOVE_PREFIX
java/beans/Introspector GET_PREFIX
java/beans/Introspector SET_PREFIX
java/beans/Introspector IS_PREFIX
java/beans/Introspector BEANINFO_SUFFIX
java/beans/Introspector pdStore
java/beans/Introspector getBeanInfo(Ljava/lang/Class;)Ljava/beans/BeanInfo;
java/beans/Introspector getBeanInfo(Ljava/lang/Class;I)Ljava/beans/BeanInfo;
java/beans/Introspector
getBeanInfo(Ljava/lang/Class;Ljava/lang/Class;)Ljava/beans/BeanInfo;
java/beans/Introspector getBeanInfo(Ljava/lang/Class;Ljava/lang/Class;I)Ljava/beans/BeanInfo;
java/beans/Introspector decapitalize(Ljava/lang/String;)Ljava/lang/String;
java/beans/Introspector getBeanInfoSearchPath()[Ljava/lang/String;
java/beans/Introspector setBeanInfoSearchPath([Ljava/lang/String;)V
java/beans/Introspector flushCaches()V
java/beans/Introspector flushFromCaches(Ljava/lang/Class;)V
java/beans/Introspector <init>(Ljava/lang/Class;Ljava/lang/Class;I)V
java/beans/Introspector getBeanInfo()Ljava/beans/BeanInfo;
java/beans/Introspector findExplicitBeanInfo(Ljava/lang/Class;)Ljava/beans/BeanInfo;
java/beans/Introspector getTargetPropertyInfo()[Ljava/beans/PropertyDescriptor;
java/beans/Introspector addPropertyDescriptor(Ljava/beans/PropertyDescriptor;)V
java/beans/Introspector processPropertyDescriptors()V
java/beans/Introspector
mergePropertyDescriptor(Ljava/beans/IndexedPropertyDescriptor;Ljava/beans/PropertyDescriptor;)Ljava/beans/PropertyDescriptor;
java/beans/Introspector
mergePropertyDescriptor(Ljava/beans/PropertyDescriptor;Ljava/beans/PropertyDescriptor;)Ljava/beans/PropertyDescriptor;
java/beans/Introspector
mergePropertyDescriptor(Ljava/beans/IndexedPropertyDescriptor;Ljava/beans/IndexedPropertyDescriptor;)Ljava/beans/PropertyDescriptor;
java/beans/Introspector getTargetEventInfo()[Ljava/beans/EventSetDescriptor;
java/beans/Introspector addEvent(Ljava/beans/EventSetDescriptor;)V
java/beans/Introspector getTargetMethodInfo()[Ljava/beans/MethodDescriptor;
java/beans/Introspector addMethod(Ljava/beans/MethodDescriptor;)V
java/beans/Introspector makeQualifiedMethodName(Ljava/lang/String;[Ljava/lang/String;)Ljava/lang/String;
java/beans/Introspector getTargetDefaultEventIndex()I
java/beans/Introspector getTargetDefaultPropertyIndex()I
java/beans/Introspector getTargetBeanDescriptor()Ljava/beans/BeanDescriptor;
java/beans/Introspector isEventHandler(Ljava/lang/reflect/Method;)Z
java/beans/Introspector

getPublicDeclaredMethods(Ljava/lang/Class;)[Ljava/lang/reflect/Method;
java/beans/Introspector
internalFindMethod(Ljava/lang/Class;Ljava/lang/String;I[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/beans/Introspector findMethod(Ljava/lang/Class;Ljava/lang/String;I)Ljava/lang/reflect/Method;
java/beans/Introspector
findMethod(Ljava/lang/Class;Ljava/lang/String;I[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/beans/Introspector isSubclass(Ljava/lang/Class;Ljava/lang/Class;)Z
java/beans/Introspector throwsException(Ljava/lang/reflect/Method;Ljava/lang/Class;)Z
java/beans/Introspector instantiate(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Object;
java/beans/Introspector <clinit>()V
class java/util/Collections$EmptySet$1 java/lang/Object
java/util/Collections$EmptySet$1 this$0
java/util/Collections$EmptySet$1 <init>(Ljava/util/Collections$EmptySet;)V
java/util/Collections$EmptySet$1 hasNext()Z
java/util/Collections$EmptySet$1 next()Ljava/lang/Object;
java/util/Collections$EmptySet$1
remove()V
class java/util/Collections$SynchronizedRandomAccessList java/util/Collections$SynchronizedList
java/util/Collections$SynchronizedRandomAccessList serialVersionUID
java/util/Collections$SynchronizedRandomAccessList <init>(Ljava/util/List;)V
java/util/Collections$SynchronizedRandomAccessList <init>(Ljava/util/List;Ljava/lang/Object;)V
java/util/Collections$SynchronizedRandomAccessList subList(II)Ljava/util/List;
java/util/Collections$SynchronizedRandomAccessList writeReplace()Ljava/lang/Object;
class java/util/Collections$SynchronizedList java/util/Collections$SynchronizedCollection
java/util/Collections$SynchronizedList serialVersionUID
java/util/Collections$SynchronizedList list
java/util/Collections$SynchronizedList <init>(Ljava/util/List;)V
java/util/Collections$SynchronizedList <init>(Ljava/util/List;Ljava/lang/Object;)V
java/util/Collections$SynchronizedList equals(Ljava/lang/Object;)Z
java/util/Collections$SynchronizedList
hashCode()I
java/util/Collections$SynchronizedList get(I)Ljava/lang/Object;
java/util/Collections$SynchronizedList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/Collections$SynchronizedList add(ILjava/lang/Object;)V
java/util/Collections$SynchronizedList remove(I)Ljava/lang/Object;
java/util/Collections$SynchronizedList indexOf(Ljava/lang/Object;)I
java/util/Collections$SynchronizedList lastIndexOf(Ljava/lang/Object;)I
java/util/Collections$SynchronizedList addAll(ILjava/util/Collection;)Z
java/util/Collections$SynchronizedList listIterator()Ljava/util/ListIterator;
java/util/Collections$SynchronizedList listIterator(I)Ljava/util/ListIterator;
java/util/Collections$SynchronizedList subList(II)Ljava/util/List;
java/util/Collections$SynchronizedList readResolve()Ljava/lang/Object;
class java/util/ConcurrentModificationException java/lang/RuntimeException
java/util/ConcurrentModificationException <init>()V
java/util/ConcurrentModificationException <init>(Ljava/lang/String;)V
class
java/util/Collections$UnmodifiableRandomAccessList java/util/Collections$UnmodifiableList
java/util/Collections$UnmodifiableRandomAccessList serialVersionUID

java/util/Collections$UnmodifiableRandomAccessList <init>(Ljava/util/List;)V
java/util/Collections$UnmodifiableRandomAccessList subList(II)Ljava/util/List;
java/util/Collections$UnmodifiableRandomAccessList writeReplace()Ljava/lang/Object;
class java/util/Collections$UnmodifiableList java/util/Collections$UnmodifiableCollection
java/util/Collections$UnmodifiableList serialVersionUID
java/util/Collections$UnmodifiableList list
java/util/Collections$UnmodifiableList <init>(Ljava/util/List;)V
java/util/Collections$UnmodifiableList equals(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableList hashCode()I
java/util/Collections$UnmodifiableList get(I)Ljava/lang/Object;
java/util/Collections$UnmodifiableList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/Collections$UnmodifiableList add(ILjava/lang/Object;)V
java/util/Collections$UnmodifiableList
remove(I)Ljava/lang/Object;
java/util/Collections$UnmodifiableList indexOf(Ljava/lang/Object;)I
java/util/Collections$UnmodifiableList lastIndexOf(Ljava/lang/Object;)I
java/util/Collections$UnmodifiableList addAll(ILjava/util/Collection;)Z
java/util/Collections$UnmodifiableList listIterator()Ljava/util/ListIterator;
java/util/Collections$UnmodifiableList listIterator(I)Ljava/util/ListIterator;
java/util/Collections$UnmodifiableList subList(II)Ljava/util/List;
java/util/Collections$UnmodifiableList readResolve()Ljava/lang/Object;
class java/io/ObjectInputValidation java/lang/Object
java/io/ObjectInputValidation validateObject()V
class java/io/SyncFailedException java/io/IOException
java/io/SyncFailedException <init>(Ljava/lang/String;)V
class java/io/NotSerializableException java/io/ObjectStreamException
java/io/NotSerializableException <init>(Ljava/lang/String;)V
java/io/NotSerializableException <init>()V
class java/beans/PropertyVetoException java/lang/Exception
java/beans/PropertyVetoException
evt
java/beans/PropertyVetoException <init>(Ljava/lang/String;Ljava/beans/PropertyChangeEvent;)V
java/beans/PropertyVetoException getPropertyChangeEvent()Ljava/beans/PropertyChangeEvent;
class java/util/HashMap$ValueIterator java/util/HashMap$HashIterator
java/util/HashMap$ValueIterator this$0
java/util/HashMap$ValueIterator <init>(Ljava/util/HashMap;)V
java/util/HashMap$ValueIterator next()Ljava/lang/Object;
java/util/HashMap$ValueIterator <init>(Ljava/util/HashMap;Ljava/util/HashMap$1;)V
class java/util/HashMap$Values java/util/AbstractCollection
java/util/HashMap$Values this$0
java/util/HashMap$Values <init>(Ljava/util/HashMap;)V
java/util/HashMap$Values iterator()Ljava/util/Iterator;
java/util/HashMap$Values size()I
java/util/HashMap$Values contains(Ljava/lang/Object;)Z
java/util/HashMap$Values clear()V
java/util/HashMap$Values <init>(Ljava/util/HashMap;Ljava/util/HashMap$1;)V
class java/lang/Class$MethodArray java/lang/Object
java/lang/Class$MethodArray

methods
java/lang/Class$MethodArray length
java/lang/Class$MethodArray <init>()V
java/lang/Class$MethodArray add(Ljava/lang/reflect/Method;)V
java/lang/Class$MethodArray addAll([Ljava/lang/reflect/Method;)V
java/lang/Class$MethodArray addAll(Ljava/lang/Class$MethodArray;)V
java/lang/Class$MethodArray addIfNotPresent(Ljava/lang/reflect/Method;)V
java/lang/Class$MethodArray addAllIfNotPresent(Ljava/lang/Class$MethodArray;)V
java/lang/Class$MethodArray length()I
java/lang/Class$MethodArray get(I)Ljava/lang/reflect/Method;
java/lang/Class$MethodArray removeByNameAndSignature(Ljava/lang/reflect/Method;)V
java/lang/Class$MethodArray compactAndTrim()V
java/lang/Class$MethodArray getArray()[Ljava/lang/reflect/Method;
class java/util/Collections$SingletonSet$1 java/lang/Object
java/util/Collections$SingletonSet$1 hasNext
java/util/Collections$SingletonSet$1 this$0
java/util/Collections$SingletonSet$1 <init>(Ljava/util/Collections$SingletonSet;)V
java/util/Collections$SingletonSet$1 hasNext()Z
java/util/Collections$SingletonSet$1
next()Ljava/lang/Object;
java/util/Collections$SingletonSet$1 remove()V
class java/util/Collections$SingletonSet java/util/AbstractSet
java/util/Collections$SingletonSet serialVersionUID
java/util/Collections$SingletonSet element
java/util/Collections$SingletonSet <init>(Ljava/lang/Object;)V
java/util/Collections$SingletonSet iterator()Ljava/util/Iterator;
java/util/Collections$SingletonSet size()I
java/util/Collections$SingletonSet contains(Ljava/lang/Object;)Z
java/util/Collections$SingletonSet access$400(Ljava/util/Collections$SingletonSet;)Ljava/lang/Object;
class java/util/Collections$1 java/lang/Object
java/util/Collections$1 i
java/util/Collections$1 val$c
java/util/Collections$1 <init>(Ljava/util/Collection;)V
java/util/Collections$1 hasMoreElements()Z
java/util/Collections$1 nextElement()Ljava/lang/Object;
class java/util/Timer$1 java/lang/Object
java/util/Timer$1 this$0
java/util/Timer$1 <init>(Ljava/util/Timer;)V
java/util/Timer$1 finalize()V
class
java/util/TimerThread java/lang/Thread
java/util/TimerThread newTasksMayBeScheduled
java/util/TimerThread queue
java/util/TimerThread <init>(Ljava/util/TaskQueue;)V
java/util/TimerThread run()V
java/util/TimerThread mainLoop()V
class java/util/TimerTask java/lang/Object
java/util/TimerTask lock

java/util/TimerTask state
java/util/TimerTask VIRGIN
java/util/TimerTask SCHEDULED
java/util/TimerTask EXECUTED
java/util/TimerTask CANCELLED
java/util/TimerTask nextExecutionTime
java/util/TimerTask period
java/util/TimerTask <init>()V
java/util/TimerTask run()V
java/util/TimerTask cancel()Z
java/util/TimerTask scheduledExecutionTime()J
class java/util/TaskQueue java/lang/Object
java/util/TaskQueue queue
java/util/TaskQueue size
java/util/TaskQueue $assertionsDisabled
java/util/TaskQueue <init>()V
java/util/TaskQueue size()I
java/util/TaskQueue add(Ljava/util/TimerTask;)V
java/util/TaskQueue getMin()Ljava/util/TimerTask;
java/util/TaskQueue get(I)Ljava/util/TimerTask;
java/util/TaskQueue
removeMin()V
java/util/TaskQueue quickRemove(I)V
java/util/TaskQueue rescheduleMin(J)V
java/util/TaskQueue isEmpty()Z
java/util/TaskQueue clear()V
java/util/TaskQueue fixUp(I)V
java/util/TaskQueue fixDown(I)V
java/util/TaskQueue heapify()V
java/util/TaskQueue <clinit>()V
class java/util/Timer java/lang/Object
java/util/Timer queue
java/util/Timer thread
java/util/Timer threadReaper
java/util/Timer nextSerialNumber
java/util/Timer serialNumber()I
java/util/Timer <init>()V
java/util/Timer <init>(Z)V
java/util/Timer <init>(Ljava/lang/String;)V
java/util/Timer <init>(Ljava/lang/String;Z)V
java/util/Timer schedule(Ljava/util/TimerTask;J)V
java/util/Timer schedule(Ljava/util/TimerTask;Ljava/util/Date;)V
java/util/Timer schedule(Ljava/util/TimerTask;JJ)V
java/util/Timer schedule(Ljava/util/TimerTask;Ljava/util/Date;J)V
java/util/Timer scheduleAtFixedRate(Ljava/util/TimerTask;JJ)V
java/util/Timer scheduleAtFixedRate(Ljava/util/TimerTask;Ljava/util/Date;J)V
java/util/Timer sched(Ljava/util/TimerTask;JJ)V
java/util/Timer

cancel()V
java/util/Timer purge()I
java/util/Timer access$000(Ljava/util/Timer;)Ljava/util/TaskQueue;
java/util/Timer access$100(Ljava/util/Timer;)Ljava/util/TimerThread;
java/util/Timer <clinit>()V
class java/beans/PropertyDescriptor java/beans/FeatureDescriptor
java/beans/PropertyDescriptor propertyTypeRef
java/beans/PropertyDescriptor readMethodRef
java/beans/PropertyDescriptor writeMethodRef
java/beans/PropertyDescriptor propertyEditorClassRef
java/beans/PropertyDescriptor bound
java/beans/PropertyDescriptor constrained
java/beans/PropertyDescriptor baseName
java/beans/PropertyDescriptor writeMethodName
java/beans/PropertyDescriptor readMethodName
java/beans/PropertyDescriptor <init>(Ljava/lang/String;Ljava/lang/Class;)V
java/beans/PropertyDescriptor <init>(Ljava/lang/String;Ljava/lang/Class;Ljava/lang/String;Ljava/lang/String;)V
java/beans/PropertyDescriptor <init>(Ljava/lang/String;Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;)V
java/beans/PropertyDescriptor
getPropertyType()Ljava/lang/Class;
java/beans/PropertyDescriptor setPropertyType(Ljava/lang/Class;)V
java/beans/PropertyDescriptor getPropertyType0()Ljava/lang/Class;
java/beans/PropertyDescriptor getReadMethod()Ljava/lang/reflect/Method;
java/beans/PropertyDescriptor setReadMethod(Ljava/lang/reflect/Method;)V
java/beans/PropertyDescriptor getWriteMethod()Ljava/lang/reflect/Method;
java/beans/PropertyDescriptor setWriteMethod(Ljava/lang/reflect/Method;)V
java/beans/PropertyDescriptor getReadMethod0()Ljava/lang/reflect/Method;
java/beans/PropertyDescriptor getWriteMethod0()Ljava/lang/reflect/Method;
java/beans/PropertyDescriptor setClass0(Ljava/lang/Class;)V
java/beans/PropertyDescriptor isBound()Z
java/beans/PropertyDescriptor setBound(Z)V
java/beans/PropertyDescriptor isConstrained()Z
java/beans/PropertyDescriptor setConstrained(Z)V
java/beans/PropertyDescriptor setPropertyEditorClass(Ljava/lang/Class;)V
java/beans/PropertyDescriptor getPropertyEditorClass()Ljava/lang/Class;
java/beans/PropertyDescriptor
createPropertyEditor(Ljava/lang/Object;)Ljava/beans/PropertyEditor;
java/beans/PropertyDescriptor equals(Ljava/lang/Object;)Z
java/beans/PropertyDescriptor compareMethods(Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;)Z
java/beans/PropertyDescriptor <init>(Ljava/beans/PropertyDescriptor;Ljava/beans/PropertyDescriptor;)V
java/beans/PropertyDescriptor <init>(Ljava/beans/PropertyDescriptor;)V
java/beans/PropertyDescriptor
findPropertyType(Ljava/lang/reflect/Method;Ljava/lang/reflect/Method;)Ljava/lang/Class;
java/beans/PropertyDescriptor hashCode()I
java/beans/PropertyDescriptor getBaseName()Ljava/lang/String;
class java/beans/FeatureDescriptor java/lang/Object
java/beans/FeatureDescriptor classRef
java/beans/FeatureDescriptor expert

java/beans/FeatureDescriptor hidden
java/beans/FeatureDescriptor preferred
java/beans/FeatureDescriptor shortDescription
java/beans/FeatureDescriptor name
java/beans/FeatureDescriptor displayName
java/beans/FeatureDescriptor
 table
java/beans/FeatureDescriptor <init>()V
java/beans/FeatureDescriptor getName()Ljava/lang/String;
java/beans/FeatureDescriptor setName(Ljava/lang/String;)V
java/beans/FeatureDescriptor getDisplayName()Ljava/lang/String;
java/beans/FeatureDescriptor setDisplayName(Ljava/lang/String;)V
java/beans/FeatureDescriptor isExpert()Z
java/beans/FeatureDescriptor setExpert(Z)V
java/beans/FeatureDescriptor isHidden()Z
java/beans/FeatureDescriptor setHidden(Z)V
java/beans/FeatureDescriptor isPreferred()Z
java/beans/FeatureDescriptor setPreferred(Z)V
java/beans/FeatureDescriptor getShortDescription()Ljava/lang/String;
java/beans/FeatureDescriptor setShortDescription(Ljava/lang/String;)V
java/beans/FeatureDescriptor setValue(Ljava/lang/String;Ljava/lang/Object;)V
java/beans/FeatureDescriptor getValue(Ljava/lang/String;)Ljava/lang/Object;
java/beans/FeatureDescriptor attributeNames()Ljava/util/Enumeration;
java/beans/FeatureDescriptor <init>(Ljava/beans/FeatureDescriptor;Ljava/beans/FeatureDescriptor;)V
java/beans/FeatureDescriptor
 <init>(Ljava/beans/FeatureDescriptor;)V
java/beans/FeatureDescriptor addTable(Ljava/util/Hashtable;)V
java/beans/FeatureDescriptor setClass0(Ljava/lang/Class;)V
java/beans/FeatureDescriptor getClass0()Ljava/lang/Class;
java/beans/FeatureDescriptor createReference(Ljava/lang/Object;Z)Ljava/lang/ref/Reference;
java/beans/FeatureDescriptor createReference(Ljava/lang/Object;)Ljava/lang/ref/Reference;
java/beans/FeatureDescriptor getObject(Ljava/lang/ref/Reference;)Ljava/lang/Object;
java/beans/FeatureDescriptor capitalize(Ljava/lang/String;)Ljava/lang/String;
class java/beans/IntrospectionException java/lang/Exception
java/beans/IntrospectionException <init>(Ljava/lang/String;)V
class java/io/InvalidObjectException java/io/ObjectStreamException
java/io/InvalidObjectException <init>(Ljava/lang/String;)V
class java/lang/SecurityManager java/lang/Object
java/lang/SecurityManager inCheck
java/lang/SecurityManager initialized
java/lang/SecurityManager
 rootGroup
java/lang/SecurityManager packageAccessValid
java/lang/SecurityManager packageAccess
java/lang/SecurityManager packageAccessLock
java/lang/SecurityManager packageDefinitionValid
java/lang/SecurityManager packageDefinition
java/lang/SecurityManager packageDefinitionLock

java/lang/SecurityManager hasAllPermission()Z
java/lang/SecurityManager getInCheck()Z
java/lang/SecurityManager <init>()V
java/lang/SecurityManager getClassContext()[Ljava/lang/Class;
java/lang/SecurityManager currentClassLoader()Ljava/lang/ClassLoader;
java/lang/SecurityManager currentClassLoader0()Ljava/lang/ClassLoader;
java/lang/SecurityManager currentLoadedClass()Ljava/lang/Class;
java/lang/SecurityManager classDepth(Ljava/lang/String;)I
java/lang/SecurityManager classLoaderDepth()I
java/lang/SecurityManager classLoaderDepth0()I
java/lang/SecurityManager inClass(Ljava/lang/String;)Z
java/lang/SecurityManager inClassLoader()Z
java/lang/SecurityManager getSecurityContext()Ljava/lang/Object;
java/lang/SecurityManager
checkPermission(Ljava/security/Permission;)V
java/lang/SecurityManager checkPermission(Ljava/security/Permission;Ljava/lang/Object;)V
java/lang/SecurityManager checkCreateClassLoader()V
java/lang/SecurityManager getRootGroup()Ljava/lang/ThreadGroup;
java/lang/SecurityManager checkAccess(Ljava/lang/Thread;)V
java/lang/SecurityManager checkAccess(Ljava/lang/ThreadGroup;)V
java/lang/SecurityManager checkExit(I)V
java/lang/SecurityManager checkExec(Ljava/lang/String;)V
java/lang/SecurityManager checkLink(Ljava/lang/String;)V
java/lang/SecurityManager checkRead(Ljava/io/FileDescriptor;)V
java/lang/SecurityManager checkRead(Ljava/lang/String;)V
java/lang/SecurityManager checkRead(Ljava/lang/String;Ljava/lang/Object;)V
java/lang/SecurityManager checkWrite(Ljava/io/FileDescriptor;)V
java/lang/SecurityManager checkWrite(Ljava/lang/String;)V
java/lang/SecurityManager checkDelete(Ljava/lang/String;)V
java/lang/SecurityManager checkConnect(Ljava/lang/String;I)V
java/lang/SecurityManager
checkConnect(Ljava/lang/String;ILjava/lang/Object;)V
java/lang/SecurityManager checkListen(I)V
java/lang/SecurityManager checkAccept(Ljava/lang/String;I)V
java/lang/SecurityManager checkMulticast(Ljava/net/InetAddress;)V
java/lang/SecurityManager checkMulticast(Ljava/net/InetAddress;B)V
java/lang/SecurityManager checkPropertiesAccess()V
java/lang/SecurityManager checkPropertyAccess(Ljava/lang/String;)V
java/lang/SecurityManager checkTopLevelWindow(Ljava/lang/Object;)Z
java/lang/SecurityManager checkPrintJobAccess()V
java/lang/SecurityManager checkSystemClipboardAccess()V
java/lang/SecurityManager checkAwtEventQueueAccess()V
java/lang/SecurityManager getPackages(Ljava/lang/String;)[Ljava/lang/String;
java/lang/SecurityManager checkPackageAccess(Ljava/lang/String;)V
java/lang/SecurityManager checkPackageDefinition(Ljava/lang/String;)V
java/lang/SecurityManager checkSetFactory()V
java/lang/SecurityManager checkMemberAccess(Ljava/lang/Class;I)V
java/lang/SecurityManager checkSecurityAccess(Ljava/lang/String;)V

java/lang/SecurityManager
currentLoadedClass0()Ljava/lang/Class;
java/lang/SecurityManager getThreadGroup()Ljava/lang/ThreadGroup;
java/lang/SecurityManager <clinit>()V
class java/lang/UnsupportedOperationException java/lang/RuntimeException
java/lang/UnsupportedOperationException serialVersionUID
java/lang/UnsupportedOperationException <init>()V
java/lang/UnsupportedOperationException <init>(Ljava/lang/String;)V
java/lang/UnsupportedOperationException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/UnsupportedOperationException <init>(Ljava/lang/Throwable;)V
class java/security/AllPermissionCollection java/security/PermissionCollection
java/security/AllPermissionCollection serialVersionUID
java/security/AllPermissionCollection all_allowed
java/security/AllPermissionCollection <init>()V
java/security/AllPermissionCollection add(Ljava/security/Permission;)V
java/security/AllPermissionCollection implies(Ljava/security/Permission;)Z
java/security/AllPermissionCollection
elements()Ljava/util/Enumeration;
java/security/AllPermissionCollection access$000(Ljava/security/AllPermissionCollection;)Z
class java/net/URISyntaxException java/lang/Exception
java/net/URISyntaxException input
java/net/URISyntaxException index
java/net/URISyntaxException <init>(Ljava/lang/String;Ljava/lang/String;I)V
java/net/URISyntaxException <init>(Ljava/lang/String;Ljava/lang/String;)V
java/net/URISyntaxException getInput()Ljava/lang/String;
java/net/URISyntaxException getReason()Ljava/lang/String;
java/net/URISyntaxException getIndex()I
java/net/URISyntaxException getMessage()Ljava/lang/String;
class java/io/FileFilter java/lang/Object
java/io/FileFilter accept(Ljava/io/File;)Z
class java/util/NoSuchElementException java/lang/RuntimeException
java/util/NoSuchElementException <init>()V
java/util/NoSuchElementException <init>(Ljava/lang/String;)V
class java/awt/geom/LineIterator java/lang/Object
java/awt/geom/LineIterator line
java/awt/geom/LineIterator affine
java/awt/geom/LineIterator
index
java/awt/geom/LineIterator <init>(Ljava/awt/geom/Line2D;Ljava/awt/geom/AffineTransform;)V
java/awt/geom/LineIterator getWindingRule()I
java/awt/geom/LineIterator isDone()Z
java/awt/geom/LineIterator next()V
java/awt/geom/LineIterator currentSegment([F)I
java/awt/geom/LineIterator currentSegment([D)I
class java/awt/geom/PathIterator java/lang/Object
java/awt/geom/PathIterator WIND_EVEN_ODD
java/awt/geom/PathIterator WIND_NON_ZERO
java/awt/geom/PathIterator SEG_MOVETO

java/awt/geom/PathIterator SEG_LINETO
java/awt/geom/PathIterator SEG_QUADTO
java/awt/geom/PathIterator SEG_CUBICTO
java/awt/geom/PathIterator SEG_CLOSE
java/awt/geom/PathIterator getWindingRule()I
java/awt/geom/PathIterator isDone()Z
java/awt/geom/PathIterator next()V
java/awt/geom/PathIterator currentSegment([F)I
java/awt/geom/PathIterator currentSegment([D)I
class java/awt/geom/Line2D$Float java/awt/geom/Line2D
java/awt/geom/Line2D$Float x1
java/awt/geom/Line2D$Float y1
java/awt/geom/Line2D$Float
x2
java/awt/geom/Line2D$Float y2
java/awt/geom/Line2D$Float <init>()V
java/awt/geom/Line2D$Float <init>(FFFF)V
java/awt/geom/Line2D$Float <init>(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)V
java/awt/geom/Line2D$Float getX1()D
java/awt/geom/Line2D$Float getY1()D
java/awt/geom/Line2D$Float getP1()Ljava/awt/geom/Point2D;
java/awt/geom/Line2D$Float getX2()D
java/awt/geom/Line2D$Float getY2()D
java/awt/geom/Line2D$Float getP2()Ljava/awt/geom/Point2D;
java/awt/geom/Line2D$Float setLine(DDDD)V
java/awt/geom/Line2D$Float setLine(FFFF)V
java/awt/geom/Line2D$Float getBounds2D()Ljava/awt/geom/Rectangle2D;
class java/awt/geom/Line2D java/lang/Object
java/awt/geom/Line2D <init>()V
java/awt/geom/Line2D getX1()D
java/awt/geom/Line2D getY1()D
java/awt/geom/Line2D getP1()Ljava/awt/geom/Point2D;
java/awt/geom/Line2D getX2()D
java/awt/geom/Line2D getY2()D
java/awt/geom/Line2D getP2()Ljava/awt/geom/Point2D;
java/awt/geom/Line2D setLine(DDDD)V
java/awt/geom/Line2D setLine(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)V
java/awt/geom/Line2D
setLine(Ljava/awt/geom/Line2D;)V
java/awt/geom/Line2D relativeCCW(DDDDDD)I
java/awt/geom/Line2D relativeCCW(DD)I
java/awt/geom/Line2D relativeCCW(Ljava/awt/geom/Point2D;)I
java/awt/geom/Line2D linesIntersect(DDDDDDDD)Z
java/awt/geom/Line2D intersectsLine(DDDD)Z
java/awt/geom/Line2D intersectsLine(Ljava/awt/geom/Line2D;)Z
java/awt/geom/Line2D ptSegDistSq(DDDDDD)D
java/awt/geom/Line2D ptSegDist(DDDDDD)D
java/awt/geom/Line2D ptSegDistSq(DD)D

java/awt/geom/Line2D ptSegDistSq(Ljava/awt/geom/Point2D;)D
java/awt/geom/Line2D ptSegDist(DD)D
java/awt/geom/Line2D ptSegDist(Ljava/awt/geom/Point2D;)D
java/awt/geom/Line2D ptLineDistSq(DDDDDD)D
java/awt/geom/Line2D ptLineDist(DDDDDD)D
java/awt/geom/Line2D ptLineDistSq(DD)D
java/awt/geom/Line2D ptLineDistSq(Ljava/awt/geom/Point2D;)D
java/awt/geom/Line2D ptLineDist(DD)D
java/awt/geom/Line2D ptLineDist(Ljava/awt/geom/Point2D;)D
java/awt/geom/Line2D contains(DD)Z
java/awt/geom/Line2D contains(Ljava/awt/geom/Point2D;)Z
java/awt/geom/Line2D
intersects(DDDD)Z
java/awt/geom/Line2D intersects(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/Line2D contains(DDDD)Z
java/awt/geom/Line2D contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/Line2D getBounds()Ljava/awt/Rectangle;
java/awt/geom/Line2D getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
java/awt/geom/Line2D getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
java/awt/geom/Line2D clone()Ljava/lang/Object;
class java/awt/EventQueue$1AWTInvocationLock java/lang/Object
java/awt/EventQueue$1AWTInvocationLock <init>()V
class java/net/PlainDatagramSocketImpl java/net/DatagramSocketImpl
java/net/PlainDatagramSocketImpl timeout
java/net/PlainDatagramSocketImpl trafficClass
java/net/PlainDatagramSocketImpl connected
java/net/PlainDatagramSocketImpl connectedAddress
java/net/PlainDatagramSocketImpl connectedPort
java/net/PlainDatagramSocketImpl multicastInterface
java/net/PlainDatagramSocketImpl
loopbackMode
java/net/PlainDatagramSocketImpl ttl
java/net/PlainDatagramSocketImpl fd1
java/net/PlainDatagramSocketImpl fduse
java/net/PlainDatagramSocketImpl lastfd
java/net/PlainDatagramSocketImpl anyLocalBoundAddr
java/net/PlainDatagramSocketImpl <init>()V
java/net/PlainDatagramSocketImpl create()V
java/net/PlainDatagramSocketImpl bind(ILjava/net/InetAddress;)V
java/net/PlainDatagramSocketImpl bind0(ILjava/net/InetAddress;)V
java/net/PlainDatagramSocketImpl send(Ljava/net/DatagramPacket;)V
java/net/PlainDatagramSocketImpl connect(Ljava/net/InetAddress;I)V
java/net/PlainDatagramSocketImpl disconnect()V
java/net/PlainDatagramSocketImpl peek(Ljava/net/InetAddress;)I
java/net/PlainDatagramSocketImpl peekData(Ljava/net/DatagramPacket;)I
java/net/PlainDatagramSocketImpl receive(Ljava/net/DatagramPacket;)V
java/net/PlainDatagramSocketImpl receive0(Ljava/net/DatagramPacket;)V
java/net/PlainDatagramSocketImpl setTimeToLive(I)V

java/net/PlainDatagramSocketImpl getTimeToLive()I
java/net/PlainDatagramSocketImpl
setTTL(B)V
java/net/PlainDatagramSocketImpl getTTL()B
java/net/PlainDatagramSocketImpl join(Ljava/net/InetAddress;)V
java/net/PlainDatagramSocketImpl leave(Ljava/net/InetAddress;)V
java/net/PlainDatagramSocketImpl joinGroup(Ljava/net/SocketAddress;Ljava/net/NetworkInterface;)V
java/net/PlainDatagramSocketImpl join(Ljava/net/InetAddress;Ljava/net/NetworkInterface;)V
java/net/PlainDatagramSocketImpl leaveGroup(Ljava/net/SocketAddress;Ljava/net/NetworkInterface;)V
java/net/PlainDatagramSocketImpl leave(Ljava/net/InetAddress;Ljava/net/NetworkInterface;)V
java/net/PlainDatagramSocketImpl close()V
java/net/PlainDatagramSocketImpl finalize()V
java/net/PlainDatagramSocketImpl setOption(ILjava/lang/Object;)V
java/net/PlainDatagramSocketImpl getOption(I)Ljava/lang/Object;
java/net/PlainDatagramSocketImpl datagramSocketCreate()V
java/net/PlainDatagramSocketImpl datagramSocketClose()V
java/net/PlainDatagramSocketImpl socketSetOption(ILjava/lang/Object;)V
java/net/PlainDatagramSocketImpl
socketGetOption(I)Ljava/lang/Object;
java/net/PlainDatagramSocketImpl connect0(Ljava/net/InetAddress;I)V
java/net/PlainDatagramSocketImpl disconnect0(I)V
java/net/PlainDatagramSocketImpl init()V
java/net/PlainDatagramSocketImpl <clinit>()V
class java/net/DatagramSocketImpl java/lang/Object
java/net/DatagramSocketImpl localPort
java/net/DatagramSocketImpl fd
java/net/DatagramSocketImpl <init>()V
java/net/DatagramSocketImpl create()V
java/net/DatagramSocketImpl bind(ILjava/net/InetAddress;)V
java/net/DatagramSocketImpl send(Ljava/net/DatagramPacket;)V
java/net/DatagramSocketImpl connect(Ljava/net/InetAddress;I)V
java/net/DatagramSocketImpl disconnect()V
java/net/DatagramSocketImpl peek(Ljava/net/InetAddress;)I
java/net/DatagramSocketImpl peekData(Ljava/net/DatagramPacket;)I
java/net/DatagramSocketImpl receive(Ljava/net/DatagramPacket;)V
java/net/DatagramSocketImpl setTTL(B)V
java/net/DatagramSocketImpl getTTL()B
java/net/DatagramSocketImpl setTimeToLive(I)V
java/net/DatagramSocketImpl
getTimeToLive()I
java/net/DatagramSocketImpl join(Ljava/net/InetAddress;)V
java/net/DatagramSocketImpl leave(Ljava/net/InetAddress;)V
java/net/DatagramSocketImpl joinGroup(Ljava/net/SocketAddress;Ljava/net/NetworkInterface;)V
java/net/DatagramSocketImpl leaveGroup(Ljava/net/SocketAddress;Ljava/net/NetworkInterface;)V
java/net/DatagramSocketImpl close()V
java/net/DatagramSocketImpl getLocalPort()I
java/net/DatagramSocketImpl getFileDescriptor()Ljava/io/FileDescriptor;
class java/math/SignedMutableBigInteger java/math/MutableBigInteger

java/math/SignedMutableBigInteger sign
java/math/SignedMutableBigInteger <init>()V
java/math/SignedMutableBigInteger <init>(I)V
java/math/SignedMutableBigInteger <init>(Ljava/math/MutableBigInteger;)V
java/math/SignedMutableBigInteger signedAdd(Ljava/math/SignedMutableBigInteger;)V
java/math/SignedMutableBigInteger signedAdd(Ljava/math/MutableBigInteger;)V
java/math/SignedMutableBigInteger signedSubtract(Ljava/math/SignedMutableBigInteger;)V
java/math/SignedMutableBigInteger
signedSubtract(Ljava/math/MutableBigInteger;)V
java/math/SignedMutableBigInteger toString()Ljava/lang/String;
class java/math/MutableBigInteger java/lang/Object
java/math/MutableBigInteger value
java/math/MutableBigInteger intLen
java/math/MutableBigInteger offset
java/math/MutableBigInteger LONG_MASK
java/math/MutableBigInteger <init>()V
java/math/MutableBigInteger <init>(I)V
java/math/MutableBigInteger <init>([II)V
java/math/MutableBigInteger <init>([I)V
java/math/MutableBigInteger <init>(Ljava/math/BigInteger;)V
java/math/MutableBigInteger <init>(Ljava/math/MutableBigInteger;)V
java/math/MutableBigInteger clear()V
java/math/MutableBigInteger reset()V
java/math/MutableBigInteger compare(Ljava/math/MutableBigInteger;)I
java/math/MutableBigInteger getLowestSetBit()I
java/math/MutableBigInteger getInt(I)I
java/math/MutableBigInteger getLong(I)J
java/math/MutableBigInteger normalize()V
java/math/MutableBigInteger ensureCapacity(I)V
java/math/MutableBigInteger toIntArray()[I
java/math/MutableBigInteger
setInt(II)V
java/math/MutableBigInteger setValue([II)V
java/math/MutableBigInteger copyValue(Ljava/math/MutableBigInteger;)V
java/math/MutableBigInteger copyValue([I)V
java/math/MutableBigInteger isOne()Z
java/math/MutableBigInteger isZero()Z
java/math/MutableBigInteger isEven()Z
java/math/MutableBigInteger isOdd()Z
java/math/MutableBigInteger isNormal()Z
java/math/MutableBigInteger toString()Ljava/lang/String;
java/math/MutableBigInteger rightShift(I)V
java/math/MutableBigInteger leftShift(I)V
java/math/MutableBigInteger divadd([I[II)I
java/math/MutableBigInteger mulsub([I[IIII)I
java/math/MutableBigInteger primitiveRightShift(I)V
java/math/MutableBigInteger primitiveLeftShift(I)V
java/math/MutableBigInteger add(Ljava/math/MutableBigInteger;)V

java/math/MutableBigInteger subtract(Ljava/math/MutableBigInteger;)I
java/math/MutableBigInteger difference(Ljava/math/MutableBigInteger;)I
java/math/MutableBigInteger multiply(Ljava/math/MutableBigInteger;Ljava/math/MutableBigInteger;)V
java/math/MutableBigInteger
mul(ILjava/math/MutableBigInteger;)V
java/math/MutableBigInteger divideOneWord(ILjava/math/MutableBigInteger;)V
java/math/MutableBigInteger
divide(Ljava/math/MutableBigInteger;Ljava/math/MutableBigInteger;Ljava/math/MutableBigInteger;)V
java/math/MutableBigInteger unsignedLongCompare(JJ)Z
java/math/MutableBigInteger divWord([IJI)V
java/math/MutableBigInteger hybridGCD(Ljava/math/MutableBigInteger;)Ljava/math/MutableBigInteger;
java/math/MutableBigInteger binaryGCD(Ljava/math/MutableBigInteger;)Ljava/math/MutableBigInteger;
java/math/MutableBigInteger binaryGcd(II)I
java/math/MutableBigInteger mutableModInverse(Ljava/math/MutableBigInteger;)Ljava/math/MutableBigInteger;
java/math/MutableBigInteger modInverseMP2(I)Ljava/math/MutableBigInteger;
java/math/MutableBigInteger inverseMod32(I)I
java/math/MutableBigInteger modInverseBP2(Ljava/math/MutableBigInteger;I)Ljava/math/MutableBigInteger;
java/math/MutableBigInteger modInverse(Ljava/math/MutableBigInteger;)Ljava/math/MutableBigInteger;
java/math/MutableBigInteger
fixup(Ljava/math/MutableBigInteger;Ljava/math/MutableBigInteger;I)Ljava/math/MutableBigInteger;
java/math/MutableBigInteger euclidModInverse(I)Ljava/math/MutableBigInteger;
class java/security/spec/DSAParameterSpec java/lang/Object
java/security/spec/DSAParameterSpec p
java/security/spec/DSAParameterSpec q
java/security/spec/DSAParameterSpec g
java/security/spec/DSAParameterSpec
<init>(Ljava/math/BigInteger;Ljava/math/BigInteger;Ljava/math/BigInteger;)V
java/security/spec/DSAParameterSpec getP()Ljava/math/BigInteger;
java/security/spec/DSAParameterSpec getQ()Ljava/math/BigInteger;
java/security/spec/DSAParameterSpec getG()Ljava/math/BigInteger;
class java/security/spec/AlgorithmParameterSpec java/lang/Object
class java/security/interfaces/DSAPrivateKey java/lang/Object
java/security/interfaces/DSAPrivateKey serialVersionUID
java/security/interfaces/DSAPrivateKey getX()Ljava/math/BigInteger;
class
java/security/PrivateKey java/lang/Object
java/security/PrivateKey serialVersionUID
class java/security/Signature$Delegate java/security/Signature
java/security/Signature$Delegate sigSpi
java/security/Signature$Delegate lock
java/security/Signature$Delegate firstService
java/security/Signature$Delegate serviceIterator
java/security/Signature$Delegate warnCount
java/security/Signature$Delegate I_PUB
java/security/Signature$Delegate I_PRIV
java/security/Signature$Delegate I_PRIV_SR
java/security/Signature$Delegate <init>(Ljava/security/SignatureSpi;Ljava/lang/String;)V
java/security/Signature$Delegate <init>(Ljava/security/Provider$Service;Ljava/util/Iterator;Ljava/lang/String;)V

java/security/Signature$Delegate clone()Ljava/lang/Object;
java/security/Signature$Delegate newInstance(Ljava/security/Provider$Service;)Ljava/security/SignatureSpi;
java/security/Signature$Delegate chooseFirstProvider()V
java/security/Signature$Delegate chooseProvider(ILjava/security/Key;Ljava/security/SecureRandom;)V
java/security/Signature$Delegate
 init(Ljava/security/SignatureSpi;ILjava/security/Key;Ljava/security/SecureRandom;)V
java/security/Signature$Delegate engineInitVerify(Ljava/security/PublicKey;)V
java/security/Signature$Delegate engineInitSign(Ljava/security/PrivateKey;)V
java/security/Signature$Delegate engineInitSign(Ljava/security/PrivateKey;Ljava/security/SecureRandom;)V
java/security/Signature$Delegate engineUpdate(B)V
java/security/Signature$Delegate engineUpdate([BII)V
java/security/Signature$Delegate engineUpdate(Ljava/nio/ByteBuffer;)V
java/security/Signature$Delegate engineSign()[B
java/security/Signature$Delegate engineSign([BII)I
java/security/Signature$Delegate engineVerify([B)Z
java/security/Signature$Delegate engineVerify([BII)Z
java/security/Signature$Delegate engineSetParameter(Ljava/lang/String;Ljava/lang/Object;)V
java/security/Signature$Delegate engineSetParameter(Ljava/security/spec/AlgorithmParameterSpec;)V
java/security/Signature$Delegate engineGetParameter(Ljava/lang/String;)Ljava/lang/Object;
java/security/Signature$Delegate
 engineGetParameters()Ljava/security/AlgorithmParameters;
java/security/Signature$Delegate <clinit>()V
class java/io/ObjectInputStream$GetFieldImpl java/io/ObjectInputStream$GetField
java/io/ObjectInputStream$GetFieldImpl desc
java/io/ObjectInputStream$GetFieldImpl primVals
java/io/ObjectInputStream$GetFieldImpl objVals
java/io/ObjectInputStream$GetFieldImpl objHandles
java/io/ObjectInputStream$GetFieldImpl this$0
java/io/ObjectInputStream$GetFieldImpl <init>(Ljava/io/ObjectInputStream;Ljava/io/ObjectStreamClass;)V
java/io/ObjectInputStream$GetFieldImpl getObjectStreamClass()Ljava/io/ObjectStreamClass;
java/io/ObjectInputStream$GetFieldImpl defaulted(Ljava/lang/String;)Z
java/io/ObjectInputStream$GetFieldImpl get(Ljava/lang/String;Z)Z
java/io/ObjectInputStream$GetFieldImpl get(Ljava/lang/String;B)B
java/io/ObjectInputStream$GetFieldImpl get(Ljava/lang/String;C)C
java/io/ObjectInputStream$GetFieldImpl get(Ljava/lang/String;S)S
java/io/ObjectInputStream$GetFieldImpl
 get(Ljava/lang/String;I)I
java/io/ObjectInputStream$GetFieldImpl get(Ljava/lang/String;F)F
java/io/ObjectInputStream$GetFieldImpl get(Ljava/lang/String;J)J
java/io/ObjectInputStream$GetFieldImpl get(Ljava/lang/String;D)D
java/io/ObjectInputStream$GetFieldImpl get(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;
java/io/ObjectInputStream$GetFieldImpl readFields()V
java/io/ObjectInputStream$GetFieldImpl getFieldOffset(Ljava/lang/String;Ljava/lang/Class;)I
class java/io/ObjectInputStream$GetField java/lang/Object
java/io/ObjectInputStream$GetField <init>()V
java/io/ObjectInputStream$GetField getObjectStreamClass()Ljava/io/ObjectStreamClass;
java/io/ObjectInputStream$GetField defaulted(Ljava/lang/String;)Z
java/io/ObjectInputStream$GetField get(Ljava/lang/String;Z)Z

java/io/ObjectInputStream$GetField get(Ljava/lang/String;B)B
java/io/ObjectInputStream$GetField get(Ljava/lang/String;C)C
java/io/ObjectInputStream$GetField get(Ljava/lang/String;S)S
java/io/ObjectInputStream$GetField
get(Ljava/lang/String;I)I
java/io/ObjectInputStream$GetField get(Ljava/lang/String;J)J
java/io/ObjectInputStream$GetField get(Ljava/lang/String;F)F
java/io/ObjectInputStream$GetField get(Ljava/lang/String;D)D
java/io/ObjectInputStream$GetField get(Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;
class java/io/InvalidClassException java/io/ObjectStreamException
java/io/InvalidClassException classname
java/io/InvalidClassException <init>(Ljava/lang/String;)V
java/io/InvalidClassException <init>(Ljava/lang/String;Ljava/lang/String;)V
java/io/InvalidClassException getMessage()Ljava/lang/String;
class java/security/AlgorithmParametersSpi java/lang/Object
java/security/AlgorithmParametersSpi <init>()V
java/security/AlgorithmParametersSpi engineInit(Ljava/security/spec/AlgorithmParameterSpec;)V
java/security/AlgorithmParametersSpi engineInit([B)V
java/security/AlgorithmParametersSpi engineInit([BLjava/lang/String;)V
java/security/AlgorithmParametersSpi
engineGetParameterSpec(Ljava/lang/Class;)Ljava/security/spec/AlgorithmParameterSpec;
java/security/AlgorithmParametersSpi engineGetEncoded()[B
java/security/AlgorithmParametersSpi engineGetEncoded(Ljava/lang/String;)[B
java/security/AlgorithmParametersSpi engineToString()Ljava/lang/String;
class java/security/AlgorithmParameters java/lang/Object
java/security/AlgorithmParameters provider
java/security/AlgorithmParameters paramSpi
java/security/AlgorithmParameters algorithm
java/security/AlgorithmParameters initialized
java/security/AlgorithmParameters
<init>(Ljava/security/AlgorithmParametersSpi;Ljava/security/Provider;Ljava/lang/String;)V
java/security/AlgorithmParameters getAlgorithm()Ljava/lang/String;
java/security/AlgorithmParameters getInstance(Ljava/lang/String;)Ljava/security/AlgorithmParameters;
java/security/AlgorithmParameters
getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/AlgorithmParameters;
java/security/AlgorithmParameters
getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/AlgorithmParameters;
java/security/AlgorithmParameters
getProvider()Ljava/security/Provider;
java/security/AlgorithmParameters init(Ljava/security/spec/AlgorithmParameterSpec;)V
java/security/AlgorithmParameters init([B)V
java/security/AlgorithmParameters init([BLjava/lang/String;)V
java/security/AlgorithmParameters
getParameterSpec(Ljava/lang/Class;)Ljava/security/spec/AlgorithmParameterSpec;
java/security/AlgorithmParameters getEncoded()[B
java/security/AlgorithmParameters getEncoded(Ljava/lang/String;)[B
java/security/AlgorithmParameters toString()Ljava/lang/String;
class java/security/interfaces/DSAParams java/lang/Object

java/security/interfaces/DSAParams getP()Ljava/math/BigInteger;
java/security/interfaces/DSAParams getQ()Ljava/math/BigInteger;
java/security/interfaces/DSAParams getG()Ljava/math/BigInteger;
class java/math/BigInteger java/lang/Number
java/math/BigInteger signum
java/math/BigInteger mag
java/math/BigInteger bitCount
java/math/BigInteger
bitLength
java/math/BigInteger lowestSetBit
java/math/BigInteger firstNonzeroByteNum
java/math/BigInteger firstNonzeroIntNum
java/math/BigInteger LONG_MASK
java/math/BigInteger bitsPerDigit
java/math/BigInteger SMALL_PRIME_THRESHOLD
java/math/BigInteger DEFAULT_PRIME_CERTAINTY
java/math/BigInteger SMALL_PRIME_PRODUCT
java/math/BigInteger MAX_CONSTANT
java/math/BigInteger posConst
java/math/BigInteger negConst
java/math/BigInteger ZERO
java/math/BigInteger ONE
java/math/BigInteger TWO
java/math/BigInteger TEN
java/math/BigInteger bnExpModThreshTable
java/math/BigInteger trailingZeroTable
java/math/BigInteger zeros
java/math/BigInteger digitsPerLong
java/math/BigInteger longRadix
java/math/BigInteger digitsPerInt
java/math/BigInteger intRadix
java/math/BigInteger serialVersionUID
java/math/BigInteger serialPersistentFields
java/math/BigInteger $assertionsDisabled
java/math/BigInteger <init>([B)V
java/math/BigInteger <init>([I)V
java/math/BigInteger <init>(I[B)V
java/math/BigInteger
<init>(I[I)V
java/math/BigInteger <init>(Ljava/lang/String;I)V
java/math/BigInteger <init>([C)V
java/math/BigInteger parseInt([CII)I
java/math/BigInteger destructiveMulAdd([III)V
java/math/BigInteger <init>(Ljava/lang/String;)V
java/math/BigInteger <init>(ILjava/util/Random;)V
java/math/BigInteger randomBits(ILjava/util/Random;)[B
java/math/BigInteger <init>(IILjava/util/Random;)V
java/math/BigInteger probablePrime(ILjava/util/Random;)Ljava/math/BigInteger;

java/math/BigInteger smallPrime(IILjava/util/Random;)Ljava/math/BigInteger;
java/math/BigInteger largePrime(IILjava/util/Random;)Ljava/math/BigInteger;
java/math/BigInteger nextProbablePrime()Ljava/math/BigInteger;
java/math/BigInteger primeToCertainty(I)Z
java/math/BigInteger passesLucasLehmer()Z
java/math/BigInteger jacobiSymbol(ILjava/math/BigInteger;)I
java/math/BigInteger
lucasLehmerSequence(ILjava/math/BigInteger;Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger passesMillerRabin(I)Z
java/math/BigInteger
<init>([II)V
java/math/BigInteger <init>([BI)V
java/math/BigInteger <init>(Ljava/math/MutableBigInteger;I)V
java/math/BigInteger valueOf(J)Ljava/math/BigInteger;
java/math/BigInteger <init>(J)V
java/math/BigInteger valueOf([I)Ljava/math/BigInteger;
java/math/BigInteger add(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger add([I[I)[I
java/math/BigInteger subtract(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger subtract([I[I)[I
java/math/BigInteger multiply(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger multiplyToLen([II[II[I)[I
java/math/BigInteger square()Ljava/math/BigInteger;
java/math/BigInteger squareToLen([II[I)[I
java/math/BigInteger divide(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger divideAndRemainder(Ljava/math/BigInteger;)[Ljava/math/BigInteger;
java/math/BigInteger remainder(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger pow(I)Ljava/math/BigInteger;
java/math/BigInteger
gcd(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger leftShift([III)[I
java/math/BigInteger primitiveRightShift([III)V
java/math/BigInteger primitiveLeftShift([III)V
java/math/BigInteger bitLength([II)I
java/math/BigInteger abs()Ljava/math/BigInteger;
java/math/BigInteger negate()Ljava/math/BigInteger;
java/math/BigInteger signum()I
java/math/BigInteger mod(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger modPow(Ljava/math/BigInteger;Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger oddModPow(Ljava/math/BigInteger;Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger montReduce([III[I)I
java/math/BigInteger intArrayCmpToLen([II[II)I
java/math/BigInteger subN([I[II)I
java/math/BigInteger mulAdd([I[IIII)I
java/math/BigInteger addOne([IIII)I
java/math/BigInteger modPow2(Ljava/math/BigInteger;I)Ljava/math/BigInteger;
java/math/BigInteger mod2(I)Ljava/math/BigInteger;
java/math/BigInteger modInverse(Ljava/math/BigInteger;)Ljava/math/BigInteger;

java/math/BigInteger
 shiftLeft(I)Ljava/math/BigInteger;
java/math/BigInteger shiftRight(I)Ljava/math/BigInteger;
java/math/BigInteger javaIncrement([I)[I
java/math/BigInteger and(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger or(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger xor(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger not()Ljava/math/BigInteger;
java/math/BigInteger andNot(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger testBit(I)Z
java/math/BigInteger setBit(I)Ljava/math/BigInteger;
java/math/BigInteger clearBit(I)Ljava/math/BigInteger;
java/math/BigInteger flipBit(I)Ljava/math/BigInteger;
java/math/BigInteger getLowestSetBit()I
java/math/BigInteger bitLength()I
java/math/BigInteger bitLen(I)I
java/math/BigInteger bitCount()I
java/math/BigInteger bitCnt(I)I
java/math/BigInteger trailingZeroCnt(I)I
java/math/BigInteger isProbablePrime(I)Z
java/math/BigInteger compareTo(Ljava/math/BigInteger;)I
java/math/BigInteger
 intArrayCmp([I[I)I
java/math/BigInteger equals(Ljava/lang/Object;)Z
java/math/BigInteger min(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger max(Ljava/math/BigInteger;)Ljava/math/BigInteger;
java/math/BigInteger hashCode()I
java/math/BigInteger toString(I)Ljava/lang/String;
java/math/BigInteger toString()Ljava/lang/String;
java/math/BigInteger toByteArray()[B
java/math/BigInteger intValue()I
java/math/BigInteger longValue()J
java/math/BigInteger floatValue()F
java/math/BigInteger doubleValue()D
java/math/BigInteger stripLeadingZeroInts([I)[I
java/math/BigInteger trustedStripLeadingZeroInts([I)[I
java/math/BigInteger stripLeadingZeroBytes([B)[I
java/math/BigInteger makePositive([B)[I
java/math/BigInteger makePositive([I)[I
java/math/BigInteger intLength()I
java/math/BigInteger signBit()I
java/math/BigInteger signInt()I
java/math/BigInteger getInt(I)I
java/math/BigInteger firstNonzeroIntNum()I
java/math/BigInteger readObject(Ljava/io/ObjectInputStream;)V
java/math/BigInteger
 writeObject(Ljava/io/ObjectOutputStream;)V
java/math/BigInteger magSerializedForm()[B

java/math/BigInteger compareTo(Ljava/lang/Object;)I
java/math/BigInteger <clinit>()V
class java/io/ObjectStreamException java/io/IOException
java/io/ObjectStreamException <init>(Ljava/lang/String;)V
java/io/ObjectStreamException <init>()V
class java/security/interfaces/DSAPublicKey java/lang/Object
java/security/interfaces/DSAPublicKey serialVersionUID
java/security/interfaces/DSAPublicKey getY()Ljava/math/BigInteger;
class java/security/PublicKey java/lang/Object
java/security/PublicKey serialVersionUID
class java/security/Key java/lang/Object
java/security/Key serialVersionUID
java/security/Key getAlgorithm()Ljava/lang/String;
java/security/Key getFormat()Ljava/lang/String;
java/security/Key getEncoded()[B
class java/security/interfaces/DSAKey java/lang/Object
java/security/interfaces/DSAKey getParams()Ljava/security/interfaces/DSAParams;
class java/security/Signature
java/security/SignatureSpi
java/security/Signature debug
java/security/Signature algorithm
java/security/Signature provider
java/security/Signature UNINITIALIZED
java/security/Signature SIGN
java/security/Signature VERIFY
java/security/Signature state
java/security/Signature RSA_SIGNATURE
java/security/Signature RSA_CIPHER
java/security/Signature rsaIds
java/security/Signature signatureInfo
java/security/Signature <init>(Ljava/lang/String;)V
java/security/Signature getInstance(Ljava/lang/String;)Ljava/security/Signature;
java/security/Signature
getInstance(Lsun/security/jca/GetInstance$Instance;Ljava/lang/String;)Ljava/security/Signature;
java/security/Signature isSpi(Ljava/security/Provider$Service;)Z
java/security/Signature getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/Signature;
java/security/Signature getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/Signature;
java/security/Signature getInstanceRSA(Ljava/security/Provider;)Ljava/security/Signature;
java/security/Signature
getProvider()Ljava/security/Provider;
java/security/Signature chooseFirstProvider()V
java/security/Signature initVerify(Ljava/security/PublicKey;)V
java/security/Signature initVerify(Ljava/security/cert/Certificate;)V
java/security/Signature initSign(Ljava/security/PrivateKey;)V
java/security/Signature initSign(Ljava/security/PrivateKey;Ljava/security/SecureRandom;)V
java/security/Signature sign()[B
java/security/Signature sign([BII)I
java/security/Signature verify([B)Z

java/security/Signature verify([BII)Z
java/security/Signature update(B)V
java/security/Signature update([B)V
java/security/Signature update([BII)V
java/security/Signature update(Ljava/nio/ByteBuffer;)V
java/security/Signature getAlgorithm()Ljava/lang/String;
java/security/Signature toString()Ljava/lang/String;
java/security/Signature setParameter(Ljava/lang/String;Ljava/lang/Object;)V
java/security/Signature setParameter(Ljava/security/spec/AlgorithmParameterSpec;)V
java/security/Signature
getParameters()Ljava/security/AlgorithmParameters;
java/security/Signature getParameter(Ljava/lang/String;)Ljava/lang/Object;
java/security/Signature clone()Ljava/lang/Object;
java/security/Signature access$000(Ljava/security/Signature;)Ljava/lang/String;
java/security/Signature access$100()Lsun/security/util/Debug;
java/security/Signature access$200(Ljava/security/Provider$Service;)Z
java/security/Signature <clinit>()V
class java/security/SignatureSpi java/lang/Object
java/security/SignatureSpi appRandom
java/security/SignatureSpi <init>()V
java/security/SignatureSpi engineInitVerify(Ljava/security/PublicKey;)V
java/security/SignatureSpi engineInitSign(Ljava/security/PrivateKey;)V
java/security/SignatureSpi engineInitSign(Ljava/security/PrivateKey;Ljava/security/SecureRandom;)V
java/security/SignatureSpi engineUpdate(B)V
java/security/SignatureSpi engineUpdate([BII)V
java/security/SignatureSpi engineUpdate(Ljava/nio/ByteBuffer;)V
java/security/SignatureSpi engineSign()[B
java/security/SignatureSpi
engineSign([BII)I
java/security/SignatureSpi engineVerify([B)Z
java/security/SignatureSpi engineVerify([BII)Z
java/security/SignatureSpi engineSetParameter(Ljava/lang/String;Ljava/lang/Object;)V
java/security/SignatureSpi engineSetParameter(Ljava/security/spec/AlgorithmParameterSpec;)V
java/security/SignatureSpi engineGetParameters()Ljava/security/AlgorithmParameters;
java/security/SignatureSpi engineGetParameter(Ljava/lang/String;)Ljava/lang/Object;
java/security/SignatureSpi clone()Ljava/lang/Object;
class java/security/InvalidKeyException java/security/KeyException
java/security/InvalidKeyException serialVersionUID
java/security/InvalidKeyException <init>()V
java/security/InvalidKeyException <init>(Ljava/lang/String;)V
java/security/InvalidKeyException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/InvalidKeyException <init>(Ljava/lang/Throwable;)V
class java/security/KeyException java/security/GeneralSecurityException
java/security/KeyException
serialVersionUID
java/security/KeyException <init>()V
java/security/KeyException <init>(Ljava/lang/String;)V
java/security/KeyException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V

java/security/KeyException <init>(Ljava/lang/Throwable;)V
class java/security/SignatureException java/security/GeneralSecurityException
java/security/SignatureException serialVersionUID
java/security/SignatureException <init>()V
java/security/SignatureException <init>(Ljava/lang/String;)V
java/security/SignatureException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/SignatureException <init>(Ljava/lang/Throwable;)V
class java/io/ObjectOutputStream$ReplaceTable java/lang/Object
java/io/ObjectOutputStream$ReplaceTable htab
java/io/ObjectOutputStream$ReplaceTable reps
java/io/ObjectOutputStream$ReplaceTable <init>(IF)V
java/io/ObjectOutputStream$ReplaceTable assign(Ljava/lang/Object;Ljava/lang/Object;)V
java/io/ObjectOutputStream$ReplaceTable lookup(Ljava/lang/Object;)Ljava/lang/Object;
java/io/ObjectOutputStream$ReplaceTable
clear()V
java/io/ObjectOutputStream$ReplaceTable size()I
java/io/ObjectOutputStream$ReplaceTable grow()V
class java/io/ObjectOutputStream$HandleTable java/lang/Object
java/io/ObjectOutputStream$HandleTable size
java/io/ObjectOutputStream$HandleTable threshold
java/io/ObjectOutputStream$HandleTable loadFactor
java/io/ObjectOutputStream$HandleTable spine
java/io/ObjectOutputStream$HandleTable next
java/io/ObjectOutputStream$HandleTable objs
java/io/ObjectOutputStream$HandleTable <init>(IF)V
java/io/ObjectOutputStream$HandleTable assign(Ljava/lang/Object;)I
java/io/ObjectOutputStream$HandleTable lookup(Ljava/lang/Object;)I
java/io/ObjectOutputStream$HandleTable clear()V
java/io/ObjectOutputStream$HandleTable size()I
java/io/ObjectOutputStream$HandleTable insert(Ljava/lang/Object;I)V
java/io/ObjectOutputStream$HandleTable growSpine()V
java/io/ObjectOutputStream$HandleTable growEntries()V
java/io/ObjectOutputStream$HandleTable hash(Ljava/lang/Object;)I
class
java/io/ObjectOutputStream$BlockDataOutputStream java/io/OutputStream
java/io/ObjectOutputStream$BlockDataOutputStream MAX_BLOCK_SIZE
java/io/ObjectOutputStream$BlockDataOutputStream MAX_HEADER_SIZE
java/io/ObjectOutputStream$BlockDataOutputStream CHAR_BUF_SIZE
java/io/ObjectOutputStream$BlockDataOutputStream buf
java/io/ObjectOutputStream$BlockDataOutputStream hbuf
java/io/ObjectOutputStream$BlockDataOutputStream cbuf
java/io/ObjectOutputStream$BlockDataOutputStream blkmode
java/io/ObjectOutputStream$BlockDataOutputStream pos
java/io/ObjectOutputStream$BlockDataOutputStream out
java/io/ObjectOutputStream$BlockDataOutputStream dout
java/io/ObjectOutputStream$BlockDataOutputStream <init>(Ljava/io/OutputStream;)V
java/io/ObjectOutputStream$BlockDataOutputStream setBlockDataMode(Z)Z
java/io/ObjectOutputStream$BlockDataOutputStream getBlockDataMode()Z

java/io/ObjectOutputStream$BlockDataOutputStream write(I)V
java/io/ObjectOutputStream$BlockDataOutputStream write([B)V
java/io/ObjectOutputStream$BlockDataOutputStream
write([BII)V
java/io/ObjectOutputStream$BlockDataOutputStream flush()V
java/io/ObjectOutputStream$BlockDataOutputStream close()V
java/io/ObjectOutputStream$BlockDataOutputStream write([BIIZ)V
java/io/ObjectOutputStream$BlockDataOutputStream drain()V
java/io/ObjectOutputStream$BlockDataOutputStream writeBlockHeader(I)V
java/io/ObjectOutputStream$BlockDataOutputStream writeBoolean(Z)V
java/io/ObjectOutputStream$BlockDataOutputStream writeByte(I)V
java/io/ObjectOutputStream$BlockDataOutputStream writeChar(I)V
java/io/ObjectOutputStream$BlockDataOutputStream writeShort(I)V
java/io/ObjectOutputStream$BlockDataOutputStream writeInt(I)V
java/io/ObjectOutputStream$BlockDataOutputStream writeFloat(F)V
java/io/ObjectOutputStream$BlockDataOutputStream writeLong(J)V
java/io/ObjectOutputStream$BlockDataOutputStream writeDouble(D)V
java/io/ObjectOutputStream$BlockDataOutputStream writeBytes(Ljava/lang/String;)V
java/io/ObjectOutputStream$BlockDataOutputStream
writeChars(Ljava/lang/String;)V
java/io/ObjectOutputStream$BlockDataOutputStream writeUTF(Ljava/lang/String;)V
java/io/ObjectOutputStream$BlockDataOutputStream writeBooleans([ZII)V
java/io/ObjectOutputStream$BlockDataOutputStream writeChars([CII)V
java/io/ObjectOutputStream$BlockDataOutputStream writeShorts([SII)V
java/io/ObjectOutputStream$BlockDataOutputStream writeInts([III)V
java/io/ObjectOutputStream$BlockDataOutputStream writeFloats([FII)V
java/io/ObjectOutputStream$BlockDataOutputStream writeLongs([JII)V
java/io/ObjectOutputStream$BlockDataOutputStream writeDoubles([DII)V
java/io/ObjectOutputStream$BlockDataOutputStream getUTFLength(Ljava/lang/String;)J
java/io/ObjectOutputStream$BlockDataOutputStream writeUTF(Ljava/lang/String;J)V
java/io/ObjectOutputStream$BlockDataOutputStream writeLongUTF(Ljava/lang/String;)V
java/io/ObjectOutputStream$BlockDataOutputStream writeLongUTF(Ljava/lang/String;J)V
java/io/ObjectOutputStream$BlockDataOutputStream writeUTFBody(Ljava/lang/String;)V
class
java/io/ObjectOutputStream$1 java/lang/Object
java/io/ObjectOutputStream$1 val$subcl
java/io/ObjectOutputStream$1 <init>(Ljava/lang/Class;)V
java/io/ObjectOutputStream$1 run()Ljava/lang/Object;
class java/io/ObjectStreamClass$ClassDataSlot java/lang/Object
java/io/ObjectStreamClass$ClassDataSlot desc
java/io/ObjectStreamClass$ClassDataSlot hasData
java/io/ObjectStreamClass$ClassDataSlot <init>(Ljava/io/ObjectStreamClass;Z)V
class java/security/MessageDigest$Delegate java/security/MessageDigest
java/security/MessageDigest$Delegate digestSpi
java/security/MessageDigest$Delegate <init>(Ljava/security/MessageDigestSpi;Ljava/lang/String;)V
java/security/MessageDigest$Delegate clone()Ljava/lang/Object;
java/security/MessageDigest$Delegate engineGetDigestLength()I
java/security/MessageDigest$Delegate engineUpdate(B)V

java/security/MessageDigest$Delegate engineUpdate([BII)V
java/security/MessageDigest$Delegate engineUpdate(Ljava/nio/ByteBuffer;)V
java/security/MessageDigest$Delegate
engineDigest()[B
java/security/MessageDigest$Delegate engineDigest([BII)I
java/security/MessageDigest$Delegate engineReset()V
class java/security/Provider$Service java/lang/Object
java/security/Provider$Service type
java/security/Provider$Service algorithm
java/security/Provider$Service className
java/security/Provider$Service provider
java/security/Provider$Service aliases
java/security/Provider$Service attributes
java/security/Provider$Service classRef
java/security/Provider$Service hasKeyAttributes
java/security/Provider$Service supportedFormats
java/security/Provider$Service supportedClasses
java/security/Provider$Service CLASS0
java/security/Provider$Service <init>(Ljava/security/Provider;)V
java/security/Provider$Service isValid()Z
java/security/Provider$Service addAlias(Ljava/lang/String;)V
java/security/Provider$Service addAttribute(Ljava/lang/String;Ljava/lang/String;)V
java/security/Provider$Service
<init>(Ljava/security/Provider;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/util/List;Ljava/util/Map;
)V
java/security/Provider$Service
getType()Ljava/lang/String;
java/security/Provider$Service getAlgorithm()Ljava/lang/String;
java/security/Provider$Service getProvider()Ljava/security/Provider;
java/security/Provider$Service getClassName()Ljava/lang/String;
java/security/Provider$Service getAliases()Ljava/util/List;
java/security/Provider$Service getAttribute(Ljava/lang/String;)Ljava/lang/String;
java/security/Provider$Service newInstance(Ljava/lang/Object;)Ljava/lang/Object;
java/security/Provider$Service getImplClass()Ljava/lang/Class;
java/security/Provider$Service newInstanceGeneric(Ljava/lang/Object;)Ljava/lang/Object;
java/security/Provider$Service supportsParameter(Ljava/lang/Object;)Z
java/security/Provider$Service hasKeyAttributes()Z
java/security/Provider$Service getKeyClass(Ljava/lang/String;)Ljava/lang/Class;
java/security/Provider$Service supportsKeyFormat(Ljava/security/Key;)Z
java/security/Provider$Service supportsKeyClass(Ljava/security/Key;)Z
java/security/Provider$Service
toString()Ljava/lang/String;
java/security/Provider$Service access$000(Ljava/security/Provider$Service;)Z
java/security/Provider$Service <init>(Ljava/security/Provider;Ljava/security/Provider$1;)V
java/security/Provider$Service access$302(Ljava/security/Provider$Service;Ljava/lang/String;)Ljava/lang/String;
java/security/Provider$Service access$402(Ljava/security/Provider$Service;Ljava/lang/String;)Ljava/lang/String;
java/security/Provider$Service access$500(Ljava/security/Provider$Service;Ljava/lang/String;)V
java/security/Provider$Service access$602(Ljava/security/Provider$Service;Ljava/lang/String;)Ljava/lang/String;

java/security/Provider$Service access$700(Ljava/security/Provider$Service;)Ljava/util/List;
java/security/Provider$Service access$800(Ljava/security/Provider$Service;)Ljava/util/Map;
java/security/Provider$Service <clinit>()V
class java/util/LinkedHashMap$EntryIterator java/util/LinkedHashMap$LinkedHashIterator
java/util/LinkedHashMap$EntryIterator
 this$0
java/util/LinkedHashMap$EntryIterator <init>(Ljava/util/LinkedHashMap;)V
java/util/LinkedHashMap$EntryIterator next()Ljava/util/Map$Entry;
java/util/LinkedHashMap$EntryIterator next()Ljava/lang/Object;
java/util/LinkedHashMap$EntryIterator <init>(Ljava/util/LinkedHashMap;Ljava/util/LinkedHashMap$1;)V
class java/security/MessageDigest java/security/MessageDigestSpi
java/security/MessageDigest algorithm
java/security/MessageDigest INITIAL
java/security/MessageDigest IN_PROGRESS
java/security/MessageDigest state
java/security/MessageDigest provider
java/security/MessageDigest <init>(Ljava/lang/String;)V
java/security/MessageDigest getInstance(Ljava/lang/String;)Ljava/security/MessageDigest;
java/security/MessageDigest getInstance(Ljava/lang/String;Ljava/lang/String;)Ljava/security/MessageDigest;
java/security/MessageDigest getInstance(Ljava/lang/String;Ljava/security/Provider;)Ljava/security/MessageDigest;
java/security/MessageDigest getProvider()Ljava/security/Provider;
java/security/MessageDigest
 update(B)V
java/security/MessageDigest update([BII)V
java/security/MessageDigest update([B)V
java/security/MessageDigest update(Ljava/nio/ByteBuffer;)V
java/security/MessageDigest digest()[B
java/security/MessageDigest digest([BII)I
java/security/MessageDigest digest([B)[B
java/security/MessageDigest toString()Ljava/lang/String;
java/security/MessageDigest isEqual([B[B)Z
java/security/MessageDigest reset()V
java/security/MessageDigest getAlgorithm()Ljava/lang/String;
java/security/MessageDigest getDigestLength()I
java/security/MessageDigest clone()Ljava/lang/Object;
java/security/MessageDigest access$000(Ljava/security/MessageDigest;)Ljava/lang/String;
java/security/MessageDigest
access$102(Ljava/security/MessageDigest;Ljava/security/Provider;)Ljava/security/Provider;
java/security/MessageDigest access$100(Ljava/security/MessageDigest;)Ljava/security/Provider;
java/security/MessageDigest access$202(Ljava/security/MessageDigest;I)I
java/security/MessageDigest
 access$200(Ljava/security/MessageDigest;)I
class java/security/MessageDigestSpi java/lang/Object
java/security/MessageDigestSpi <init>()V
java/security/MessageDigestSpi engineGetDigestLength()I
java/security/MessageDigestSpi engineUpdate(B)V
java/security/MessageDigestSpi engineUpdate([BII)V
java/security/MessageDigestSpi engineUpdate(Ljava/nio/ByteBuffer;)V

java/security/MessageDigestSpi engineDigest()[B
java/security/MessageDigestSpi engineDigest([BII)I
java/security/MessageDigestSpi engineReset()V
java/security/MessageDigestSpi clone()Ljava/lang/Object;
class java/io/ObjectStreamClass$5 java/lang/Object
java/io/ObjectStreamClass$5 <init>()V
java/io/ObjectStreamClass$5 compare(Ljava/lang/Object;Ljava/lang/Object;)I
class java/io/ObjectStreamClass$4 java/lang/Object
java/io/ObjectStreamClass$4 <init>()V
java/io/ObjectStreamClass$4 compare(Ljava/lang/Object;Ljava/lang/Object;)I
class java/io/ObjectStreamClass$3 java/lang/Object
java/io/ObjectStreamClass$3 <init>()V
java/io/ObjectStreamClass$3
 compare(Ljava/lang/Object;Ljava/lang/Object;)I
class java/io/ObjectStreamClass$MemberSignature java/lang/Object
java/io/ObjectStreamClass$MemberSignature member
java/io/ObjectStreamClass$MemberSignature name
java/io/ObjectStreamClass$MemberSignature signature
java/io/ObjectStreamClass$MemberSignature <init>(Ljava/lang/reflect/Field;)V
java/io/ObjectStreamClass$MemberSignature <init>(Ljava/lang/reflect/Constructor;)V
java/io/ObjectStreamClass$MemberSignature <init>(Ljava/lang/reflect/Method;)V
class java/io/DataOutputStream java/io/FilterOutputStream
java/io/DataOutputStream written
java/io/DataOutputStream bytearr
java/io/DataOutputStream writeBuffer
java/io/DataOutputStream <init>(Ljava/io/OutputStream;)V
java/io/DataOutputStream incCount(I)V
java/io/DataOutputStream write(I)V
java/io/DataOutputStream write([BII)V
java/io/DataOutputStream flush()V
java/io/DataOutputStream writeBoolean(Z)V
java/io/DataOutputStream writeByte(I)V
java/io/DataOutputStream writeShort(I)V
java/io/DataOutputStream
 writeChar(I)V
java/io/DataOutputStream writeInt(I)V
java/io/DataOutputStream writeLong(J)V
java/io/DataOutputStream writeFloat(F)V
java/io/DataOutputStream writeDouble(D)V
java/io/DataOutputStream writeBytes(Ljava/lang/String;)V
java/io/DataOutputStream writeChars(Ljava/lang/String;)V
java/io/DataOutputStream writeUTF(Ljava/lang/String;)V
java/io/DataOutputStream writeUTF(Ljava/lang/String;Ljava/io/DataOutput;)I
java/io/DataOutputStream size()I
class java/io/ObjectStreamClass$1 java/lang/Object
java/io/ObjectStreamClass$1 this$0
java/io/ObjectStreamClass$1 <init>(Ljava/io/ObjectStreamClass;)V
java/io/ObjectStreamClass$1 run()Ljava/lang/Object;

class java/io/ObjectStreamClass$FieldReflector java/lang/Object
java/io/ObjectStreamClass$FieldReflector unsafe
java/io/ObjectStreamClass$FieldReflector fields
java/io/ObjectStreamClass$FieldReflector numPrimFields
java/io/ObjectStreamClass$FieldReflector keys
java/io/ObjectStreamClass$FieldReflector offsets
java/io/ObjectStreamClass$FieldReflector
typeCodes
java/io/ObjectStreamClass$FieldReflector types
java/io/ObjectStreamClass$FieldReflector <init>([Ljava/io/ObjectStreamField;)V
java/io/ObjectStreamClass$FieldReflector getFields()[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass$FieldReflector getPrimFieldValues(Ljava/lang/Object;[B)V
java/io/ObjectStreamClass$FieldReflector setPrimFieldValues(Ljava/lang/Object;[B)V
java/io/ObjectStreamClass$FieldReflector getObjFieldValues(Ljava/lang/Object;[Ljava/lang/Object;)V
java/io/ObjectStreamClass$FieldReflector setObjFieldValues(Ljava/lang/Object;[Ljava/lang/Object;)V
java/io/ObjectStreamClass$FieldReflector <clinit>()V
class java/io/ObjectStreamClass$FieldReflectorKey java/lang/ref/WeakReference
java/io/ObjectStreamClass$FieldReflectorKey sigs
java/io/ObjectStreamClass$FieldReflectorKey hash
java/io/ObjectStreamClass$FieldReflectorKey nullClass
java/io/ObjectStreamClass$FieldReflectorKey
<init>(Ljava/lang/Class;[Ljava/io/ObjectStreamField;Ljava/lang/ref/ReferenceQueue;)V
java/io/ObjectStreamClass$FieldReflectorKey
hashCode()I
java/io/ObjectStreamClass$FieldReflectorKey equals(Ljava/lang/Object;)Z
class java/io/ObjectOutputStream java/io/OutputStream
java/io/ObjectOutputStream bout
java/io/ObjectOutputStream handles
java/io/ObjectOutputStream subs
java/io/ObjectOutputStream protocol
java/io/ObjectOutputStream depth
java/io/ObjectOutputStream primVals
java/io/ObjectOutputStream enableOverride
java/io/ObjectOutputStream enableReplace
java/io/ObjectOutputStream curObj
java/io/ObjectOutputStream curDesc
java/io/ObjectOutputStream curPut
java/io/ObjectOutputStream <init>(Ljava/io/OutputStream;)V
java/io/ObjectOutputStream <init>()V
java/io/ObjectOutputStream useProtocolVersion(I)V
java/io/ObjectOutputStream writeObject(Ljava/lang/Object;)V
java/io/ObjectOutputStream writeObjectOverride(Ljava/lang/Object;)V
java/io/ObjectOutputStream writeUnshared(Ljava/lang/Object;)V
java/io/ObjectOutputStream defaultWriteObject()V
java/io/ObjectOutputStream
putFields()Ljava/io/ObjectOutputStream$PutField;
java/io/ObjectOutputStream writeFields()V
java/io/ObjectOutputStream reset()V

java/io/ObjectOutputStream annotateClass(Ljava/lang/Class;)V
java/io/ObjectOutputStream annotateProxyClass(Ljava/lang/Class;)V
java/io/ObjectOutputStream replaceObject(Ljava/lang/Object;)Ljava/lang/Object;
java/io/ObjectOutputStream enableReplaceObject(Z)Z
java/io/ObjectOutputStream writeStreamHeader()V
java/io/ObjectOutputStream writeClassDescriptor(Ljava/io/ObjectStreamClass;)V
java/io/ObjectOutputStream write(I)V
java/io/ObjectOutputStream write([B)V
java/io/ObjectOutputStream write([BII)V
java/io/ObjectOutputStream flush()V
java/io/ObjectOutputStream drain()V
java/io/ObjectOutputStream close()V
java/io/ObjectOutputStream writeBoolean(Z)V
java/io/ObjectOutputStream writeByte(I)V
java/io/ObjectOutputStream writeShort(I)V
java/io/ObjectOutputStream writeChar(I)V
java/io/ObjectOutputStream writeInt(I)V
java/io/ObjectOutputStream writeLong(J)V
java/io/ObjectOutputStream
writeFloat(F)V
java/io/ObjectOutputStream writeDouble(D)V
java/io/ObjectOutputStream writeBytes(Ljava/lang/String;)V
java/io/ObjectOutputStream writeChars(Ljava/lang/String;)V
java/io/ObjectOutputStream writeUTF(Ljava/lang/String;)V
java/io/ObjectOutputStream getProtocolVersion()I
java/io/ObjectOutputStream writeTypeString(Ljava/lang/String;)V
java/io/ObjectOutputStream verifySubclass()V
java/io/ObjectOutputStream auditSubclass(Ljava/lang/Class;)Z
java/io/ObjectOutputStream clear()V
java/io/ObjectOutputStream writeObject0(Ljava/lang/Object;Z)V
java/io/ObjectOutputStream writeNull()V
java/io/ObjectOutputStream writeHandle(I)V
java/io/ObjectOutputStream writeClass(Ljava/lang/Class;Z)V
java/io/ObjectOutputStream writeClassDesc(Ljava/io/ObjectStreamClass;Z)V
java/io/ObjectOutputStream writeProxyDesc(Ljava/io/ObjectStreamClass;Z)V
java/io/ObjectOutputStream writeNonProxyDesc(Ljava/io/ObjectStreamClass;Z)V
java/io/ObjectOutputStream writeString(Ljava/lang/String;Z)V
java/io/ObjectOutputStream
writeArray(Ljava/lang/Object;Ljava/io/ObjectStreamClass;Z)V
java/io/ObjectOutputStream writeEnum(Ljava/lang/Enum;Ljava/io/ObjectStreamClass;Z)V
java/io/ObjectOutputStream writeOrdinaryObject(Ljava/lang/Object;Ljava/io/ObjectStreamClass;Z)V
java/io/ObjectOutputStream writeExternalData(Ljava/io/Externalizable;)V
java/io/ObjectOutputStream writeSerialData(Ljava/lang/Object;Ljava/io/ObjectStreamClass;)V
java/io/ObjectOutputStream defaultWriteFields(Ljava/lang/Object;Ljava/io/ObjectStreamClass;)V
java/io/ObjectOutputStream writeFatalException(Ljava/io/IOException;)V
java/io/ObjectOutputStream floatsToBytes([FI[BII)V
java/io/ObjectOutputStream doublesToBytes([DI[BII)V
java/io/ObjectOutputStream

access$000(Ljava/io/ObjectOutputStream;)Ljava/io/ObjectOutputStream$BlockDataOutputStream;
java/io/ObjectOutputStream access$100(Ljava/io/ObjectOutputStream;Ljava/lang/Object;Z)V
java/io/ObjectOutputStream access$200([FI[BII)V
java/io/ObjectOutputStream access$300([DI[BII)V
class
 java/io/ObjectOutput java/lang/Object
java/io/ObjectOutput writeObject(Ljava/lang/Object;)V
java/io/ObjectOutput write(I)V
java/io/ObjectOutput write([B)V
java/io/ObjectOutput write([BII)V
java/io/ObjectOutput flush()V
java/io/ObjectOutput close()V
class java/io/ObjectStreamClass$2 java/lang/Object
java/io/ObjectStreamClass$2 val$cl
java/io/ObjectStreamClass$2 this$0
java/io/ObjectStreamClass$2 <init>(Ljava/io/ObjectStreamClass;Ljava/lang/Class;)V
java/io/ObjectStreamClass$2 run()Ljava/lang/Object;
class java/io/ObjectStreamClass$EntryFuture java/lang/Object
java/io/ObjectStreamClass$EntryFuture unset
java/io/ObjectStreamClass$EntryFuture owner
java/io/ObjectStreamClass$EntryFuture entry
java/io/ObjectStreamClass$EntryFuture <init>()V
java/io/ObjectStreamClass$EntryFuture set(Ljava/lang/Object;)Z
java/io/ObjectStreamClass$EntryFuture get()Ljava/lang/Object;
java/io/ObjectStreamClass$EntryFuture getOwner()Ljava/lang/Thread;
java/io/ObjectStreamClass$EntryFuture <init>(Ljava/io/ObjectStreamClass$1;)V
java/io/ObjectStreamClass$EntryFuture
 <clinit>()V
class java/io/Bits java/lang/Object
java/io/Bits <init>()V
java/io/Bits getBoolean([BI)Z
java/io/Bits getChar([BI)C
java/io/Bits getShort([BI)S
java/io/Bits getInt([BI)I
java/io/Bits getFloat([BI)F
java/io/Bits getLong([BI)J
java/io/Bits getDouble([BI)D
java/io/Bits putBoolean([BIZ)V
java/io/Bits putChar([BIC)V
java/io/Bits putShort([BIS)V
java/io/Bits putInt([BII)V
java/io/Bits putFloat([BIF)V
java/io/Bits putLong([BIJ)V
java/io/Bits putDouble([BID)V
class java/io/ObjectInputStream$ValidationList java/lang/Object
java/io/ObjectInputStream$ValidationList list
java/io/ObjectInputStream$ValidationList <init>()V
java/io/ObjectInputStream$ValidationList register(Ljava/io/ObjectInputValidation;I)V

java/io/ObjectInputStream$ValidationList doCallbacks()V
java/io/ObjectInputStream$ValidationList clear()V
class java/io/ObjectInputStream$HandleTable$HandleList java/lang/Object
java/io/ObjectInputStream$HandleTable$HandleList list
java/io/ObjectInputStream$HandleTable$HandleList
 size
java/io/ObjectInputStream$HandleTable$HandleList <init>()V
java/io/ObjectInputStream$HandleTable$HandleList add(I)V
java/io/ObjectInputStream$HandleTable$HandleList get(I)I
java/io/ObjectInputStream$HandleTable$HandleList size()I
class java/io/ObjectInputStream$HandleTable java/lang/Object
java/io/ObjectInputStream$HandleTable STATUS_OK
java/io/ObjectInputStream$HandleTable STATUS_UNKNOWN
java/io/ObjectInputStream$HandleTable STATUS_EXCEPTION
java/io/ObjectInputStream$HandleTable status
java/io/ObjectInputStream$HandleTable entries
java/io/ObjectInputStream$HandleTable deps
java/io/ObjectInputStream$HandleTable lowDep
java/io/ObjectInputStream$HandleTable size
java/io/ObjectInputStream$HandleTable <init>(I)V
java/io/ObjectInputStream$HandleTable assign(Ljava/lang/Object;)I
java/io/ObjectInputStream$HandleTable markDependency(II)V
java/io/ObjectInputStream$HandleTable markException(ILjava/lang/ClassNotFoundException;)V
java/io/ObjectInputStream$HandleTable
 finish(I)V
java/io/ObjectInputStream$HandleTable setObject(ILjava/lang/Object;)V
java/io/ObjectInputStream$HandleTable lookupObject(I)Ljava/lang/Object;
java/io/ObjectInputStream$HandleTable lookupException(I)Ljava/lang/ClassNotFoundException;
java/io/ObjectInputStream$HandleTable clear()V
java/io/ObjectInputStream$HandleTable size()I
java/io/ObjectInputStream$HandleTable grow()V
class java/io/ObjectInputStream$PeekInputStream java/io/InputStream
java/io/ObjectInputStream$PeekInputStream in
java/io/ObjectInputStream$PeekInputStream peekb
java/io/ObjectInputStream$PeekInputStream <init>(Ljava/io/InputStream;)V
java/io/ObjectInputStream$PeekInputStream peek()I
java/io/ObjectInputStream$PeekInputStream read()I
java/io/ObjectInputStream$PeekInputStream read([BII)I
java/io/ObjectInputStream$PeekInputStream readFully([BII)V
java/io/ObjectInputStream$PeekInputStream skip(J)J
java/io/ObjectInputStream$PeekInputStream available()I
java/io/ObjectInputStream$PeekInputStream
 close()V
class java/io/ObjectInputStream$BlockDataInputStream java/io/InputStream
java/io/ObjectInputStream$BlockDataInputStream MAX_BLOCK_SIZE
java/io/ObjectInputStream$BlockDataInputStream MAX_HEADER_SIZE
java/io/ObjectInputStream$BlockDataInputStream CHAR_BUF_SIZE
java/io/ObjectInputStream$BlockDataInputStream HEADER_BLOCKED

java/io/ObjectInputStream$BlockDataInputStream buf
java/io/ObjectInputStream$BlockDataInputStream hbuf
java/io/ObjectInputStream$BlockDataInputStream cbuf
java/io/ObjectInputStream$BlockDataInputStream blkmode
java/io/ObjectInputStream$BlockDataInputStream pos
java/io/ObjectInputStream$BlockDataInputStream end
java/io/ObjectInputStream$BlockDataInputStream unread
java/io/ObjectInputStream$BlockDataInputStream in
java/io/ObjectInputStream$BlockDataInputStream din
java/io/ObjectInputStream$BlockDataInputStream this$0
java/io/ObjectInputStream$BlockDataInputStream <init>(Ljava/io/ObjectInputStream;Ljava/io/InputStream;)V
java/io/ObjectInputStream$BlockDataInputStream
setBlockDataMode(Z)Z
java/io/ObjectInputStream$BlockDataInputStream getBlockDataMode()Z
java/io/ObjectInputStream$BlockDataInputStream skipBlockData()V
java/io/ObjectInputStream$BlockDataInputStream readBlockHeader(Z)I
java/io/ObjectInputStream$BlockDataInputStream refill()V
java/io/ObjectInputStream$BlockDataInputStream currentBlockRemaining()I
java/io/ObjectInputStream$BlockDataInputStream peek()I
java/io/ObjectInputStream$BlockDataInputStream peekByte()B
java/io/ObjectInputStream$BlockDataInputStream read()I
java/io/ObjectInputStream$BlockDataInputStream read([BII)I
java/io/ObjectInputStream$BlockDataInputStream skip(J)J
java/io/ObjectInputStream$BlockDataInputStream available()I
java/io/ObjectInputStream$BlockDataInputStream close()V
java/io/ObjectInputStream$BlockDataInputStream read([BIIZ)I
java/io/ObjectInputStream$BlockDataInputStream readFully([B)V
java/io/ObjectInputStream$BlockDataInputStream readFully([BII)V
java/io/ObjectInputStream$BlockDataInputStream readFully([BIIZ)V
java/io/ObjectInputStream$BlockDataInputStream
skipBytes(I)I
java/io/ObjectInputStream$BlockDataInputStream readBoolean()Z
java/io/ObjectInputStream$BlockDataInputStream readByte()B
java/io/ObjectInputStream$BlockDataInputStream readUnsignedByte()I
java/io/ObjectInputStream$BlockDataInputStream readChar()C
java/io/ObjectInputStream$BlockDataInputStream readShort()S
java/io/ObjectInputStream$BlockDataInputStream readUnsignedShort()I
java/io/ObjectInputStream$BlockDataInputStream readInt()I
java/io/ObjectInputStream$BlockDataInputStream readFloat()F
java/io/ObjectInputStream$BlockDataInputStream readLong()J
java/io/ObjectInputStream$BlockDataInputStream readDouble()D
java/io/ObjectInputStream$BlockDataInputStream readUTF()Ljava/lang/String;
java/io/ObjectInputStream$BlockDataInputStream readLine()Ljava/lang/String;
java/io/ObjectInputStream$BlockDataInputStream readBooleans([ZII)V
java/io/ObjectInputStream$BlockDataInputStream readChars([CII)V
java/io/ObjectInputStream$BlockDataInputStream
readShorts([SII)V
java/io/ObjectInputStream$BlockDataInputStream readInts([III)V

java/io/ObjectInputStream$BlockDataInputStream readFloats([FII)V
java/io/ObjectInputStream$BlockDataInputStream readLongs([JII)V
java/io/ObjectInputStream$BlockDataInputStream readDoubles([DII)V
java/io/ObjectInputStream$BlockDataInputStream readLongUTF()Ljava/lang/String;
java/io/ObjectInputStream$BlockDataInputStream readUTFBody(J)Ljava/lang/String;
java/io/ObjectInputStream$BlockDataInputStream readUTFSpan(Ljava/lang/StringBuffer;J)J
java/io/ObjectInputStream$BlockDataInputStream readUTFChar(Ljava/lang/StringBuffer;J)I
class java/io/ObjectInputStream$1 java/lang/Object
java/io/ObjectInputStream$1 val$subcl
java/io/ObjectInputStream$1 <init>(Ljava/lang/Class;)V
java/io/ObjectInputStream$1 run()Ljava/lang/Object;
class java/text/EntryPair java/lang/Object
java/text/EntryPair entryName
java/text/EntryPair value
java/text/EntryPair fwd
java/text/EntryPair <init>(Ljava/lang/String;I)V
java/text/EntryPair
 <init>(Ljava/lang/String;IZ)V
class java/text/PatternEntry java/lang/Object
java/text/PatternEntry RESET
java/text/PatternEntry UNSET
java/text/PatternEntry strength
java/text/PatternEntry chars
java/text/PatternEntry extension
java/text/PatternEntry appendQuotedExtension(Ljava/lang/StringBuffer;)V
java/text/PatternEntry appendQuotedChars(Ljava/lang/StringBuffer;)V
java/text/PatternEntry equals(Ljava/lang/Object;)Z
java/text/PatternEntry hashCode()I
java/text/PatternEntry toString()Ljava/lang/String;
java/text/PatternEntry getStrength()I
java/text/PatternEntry getExtension()Ljava/lang/String;
java/text/PatternEntry getChars()Ljava/lang/String;
java/text/PatternEntry addToBuffer(Ljava/lang/StringBuffer;ZZLjava/text/PatternEntry;)V
java/text/PatternEntry appendQuoted(Ljava/lang/String;Ljava/lang/StringBuffer;)V
java/text/PatternEntry <init>(ILjava/lang/StringBuffer;Ljava/lang/StringBuffer;)V
java/text/PatternEntry isSpecialChar(C)Z
class java/text/PatternEntry$Parser java/lang/Object
java/text/PatternEntry$Parser
 pattern
java/text/PatternEntry$Parser i
java/text/PatternEntry$Parser newChars
java/text/PatternEntry$Parser newExtension
java/text/PatternEntry$Parser <init>(Ljava/lang/String;)V
java/text/PatternEntry$Parser next()Ljava/text/PatternEntry;
class java/text/MergeCollation java/lang/Object
java/text/MergeCollation patterns
java/text/MergeCollation saveEntry
java/text/MergeCollation lastEntry

java/text/MergeCollation excess
java/text/MergeCollation statusArray
java/text/MergeCollation BITARRAYMASK
java/text/MergeCollation BYTEPOWER
java/text/MergeCollation BYTEMASK
java/text/MergeCollation <init>(Ljava/lang/String;)V
java/text/MergeCollation getPattern()Ljava/lang/String;
java/text/MergeCollation getPattern(Z)Ljava/lang/String;
java/text/MergeCollation findLastWithNoExtension(I)Ljava/text/PatternEntry;
java/text/MergeCollation emitPattern()Ljava/lang/String;
java/text/MergeCollation emitPattern(Z)Ljava/lang/String;
java/text/MergeCollation setPattern(Ljava/lang/String;)V
java/text/MergeCollation
addPattern(Ljava/lang/String;)V
java/text/MergeCollation getCount()I
java/text/MergeCollation getItemAt(I)Ljava/text/PatternEntry;
java/text/MergeCollation fixEntry(Ljava/text/PatternEntry;)V
java/text/MergeCollation findLastEntry(Ljava/text/PatternEntry;Ljava/lang/StringBuffer;)I
class java/text/RBCollationTables$BuildAPI java/lang/Object
java/text/RBCollationTables$BuildAPI this$0
java/text/RBCollationTables$BuildAPI <init>(Ljava/text/RBCollationTables;)V
java/text/RBCollationTables$BuildAPI
fillInTables(ZZLsun/text/UCompactIntArray;Ljava/util/Vector;Ljava/util/Vector;Lsun/text/IntHashtable;SS)V
java/text/RBCollationTables$BuildAPI <init>(Ljava/text/RBCollationTables;Ljava/text/RBCollationTables$1;)V
class java/text/RBTableBuilder java/lang/Object
java/text/RBTableBuilder CHARINDEX
java/text/RBTableBuilder IGNORABLEMASK
java/text/RBTableBuilder PRIMARYORDERINCREMENT
java/text/RBTableBuilder SECONDARYORDERINCREMENT
java/text/RBTableBuilder TERTIARYORDERINCREMENT
java/text/RBTableBuilder
INITIALTABLESIZE
java/text/RBTableBuilder MAXKEYSIZE
java/text/RBTableBuilder tables
java/text/RBTableBuilder mPattern
java/text/RBTableBuilder isOverIgnore
java/text/RBTableBuilder keyBuf
java/text/RBTableBuilder contractFlags
java/text/RBTableBuilder frenchSec
java/text/RBTableBuilder seAsianSwapping
java/text/RBTableBuilder mapping
java/text/RBTableBuilder contractTable
java/text/RBTableBuilder expandTable
java/text/RBTableBuilder maxSecOrder
java/text/RBTableBuilder maxTerOrder
java/text/RBTableBuilder <init>(Ljava/text/RBCollationTables$BuildAPI;)V
java/text/RBTableBuilder build(Ljava/lang/String;I)V
java/text/RBTableBuilder addComposedChars()V

java/text/RBTableBuilder commit()V
java/text/RBTableBuilder increment(II)I
java/text/RBTableBuilder addOrder(II)V
java/text/RBTableBuilder addContractOrder(Ljava/lang/String;I)V
java/text/RBTableBuilder addContractOrder(Ljava/lang/String;IZ)V
java/text/RBTableBuilder getContractOrder(Ljava/lang/String;)I
java/text/RBTableBuilder
getCharOrder(I)I
java/text/RBTableBuilder getContractValues(I)Ljava/util/Vector;
java/text/RBTableBuilder getContractValuesImpl(I)Ljava/util/Vector;
java/text/RBTableBuilder addExpandOrder(Ljava/lang/String;Ljava/lang/String;I)V
java/text/RBTableBuilder addExpandOrder(ILjava/lang/String;I)V
java/text/RBTableBuilder addExpansion(ILjava/lang/String;)I
java/text/RBTableBuilder addContractFlags(Ljava/lang/String;)V
class java/text/RBCollationTables java/lang/Object
java/text/RBCollationTables EXPANDCHARINDEX
java/text/RBCollationTables CONTRACTCHARINDEX
java/text/RBCollationTables UNMAPPED
java/text/RBCollationTables PRIMARYORDERMASK
java/text/RBCollationTables SECONDARYORDERMASK
java/text/RBCollationTables TERTIARYORDERMASK
java/text/RBCollationTables PRIMARYDIFFERENCEONLY
java/text/RBCollationTables SECONDARYDIFFERENCEONLY
java/text/RBCollationTables PRIMARYORDERSHIFT
java/text/RBCollationTables SECONDARYORDERSHIFT
java/text/RBCollationTables rules
java/text/RBCollationTables
frenchSec
java/text/RBCollationTables seAsianSwapping
java/text/RBCollationTables mapping
java/text/RBCollationTables contractTable
java/text/RBCollationTables expandTable
java/text/RBCollationTables contractFlags
java/text/RBCollationTables maxSecOrder
java/text/RBCollationTables maxTerOrder
java/text/RBCollationTables <init>(Ljava/lang/String;I)V
java/text/RBCollationTables getRules()Ljava/lang/String;
java/text/RBCollationTables isFrenchSec()Z
java/text/RBCollationTables isSEAsianSwapping()Z
java/text/RBCollationTables getContractValues(I)Ljava/util/Vector;
java/text/RBCollationTables getContractValuesImpl(I)Ljava/util/Vector;
java/text/RBCollationTables usedInContractSeq(I)Z
java/text/RBCollationTables getMaxExpansion(I)I
java/text/RBCollationTables getExpandValueList(I)[I
java/text/RBCollationTables getUnicodeOrder(I)I
java/text/RBCollationTables getMaxSecOrder()S
java/text/RBCollationTables getMaxTerOrder()S
java/text/RBCollationTables reverse(Ljava/lang/StringBuffer;II)V

java/text/RBCollationTables
getEntry(Ljava/util/Vector;Ljava/lang/String;Z)I
java/text/RBCollationTables access$102(Ljava/text/RBCollationTables;Z)Z
java/text/RBCollationTables access$202(Ljava/text/RBCollationTables;Z)Z
java/text/RBCollationTables
access$302(Ljava/text/RBCollationTables;Lsun/text/UCompactIntArray;)Lsun/text/UCompactIntArray;
java/text/RBCollationTables access$402(Ljava/text/RBCollationTables;Ljava/util/Vector;)Ljava/util/Vector;
java/text/RBCollationTables access$502(Ljava/text/RBCollationTables;Ljava/util/Vector;)Ljava/util/Vector;
java/text/RBCollationTables
access$602(Ljava/text/RBCollationTables;Lsun/text/IntHashtable;)Lsun/text/IntHashtable;
java/text/RBCollationTables access$702(Ljava/text/RBCollationTables;S)S
java/text/RBCollationTables access$802(Ljava/text/RBCollationTables;S)S
class java/text/CollationRules java/lang/Object
java/text/CollationRules DEFAULTRULES
java/text/CollationRules <init>()V
java/text/CollationRules <clinit>()V
class java/text/RuleBasedCollator
java/text/Collator
java/text/RuleBasedCollator CHARINDEX
java/text/RuleBasedCollator EXPANDCHARINDEX
java/text/RuleBasedCollator CONTRACTCHARINDEX
java/text/RuleBasedCollator UNMAPPED
java/text/RuleBasedCollator COLLATIONKEYOFFSET
java/text/RuleBasedCollator tables
java/text/RuleBasedCollator primResult
java/text/RuleBasedCollator secResult
java/text/RuleBasedCollator terResult
java/text/RuleBasedCollator sourceCursor
java/text/RuleBasedCollator targetCursor
java/text/RuleBasedCollator <init>(Ljava/lang/String;)V
java/text/RuleBasedCollator <init>(Ljava/lang/String;I)V
java/text/RuleBasedCollator <init>(Ljava/text/RuleBasedCollator;)V
java/text/RuleBasedCollator getRules()Ljava/lang/String;
java/text/RuleBasedCollator getCollationElementIterator(Ljava/lang/String;)Ljava/text/CollationElementIterator;
java/text/RuleBasedCollator
getCollationElementIterator(Ljava/text/CharacterIterator;)Ljava/text/CollationElementIterator;
java/text/RuleBasedCollator compare(Ljava/lang/String;Ljava/lang/String;)I
java/text/RuleBasedCollator
getCollationKey(Ljava/lang/String;)Ljava/text/CollationKey;
java/text/RuleBasedCollator clone()Ljava/lang/Object;
java/text/RuleBasedCollator equals(Ljava/lang/Object;)Z
java/text/RuleBasedCollator hashCode()I
java/text/RuleBasedCollator getTables()Ljava/text/RBCollationTables;
class java/text/Collator java/lang/Object
java/text/Collator PRIMARY
java/text/Collator SECONDARY
java/text/Collator TERTIARY
java/text/Collator IDENTICAL

java/text/Collator NO_DECOMPOSITION
java/text/Collator CANONICAL_DECOMPOSITION
java/text/Collator FULL_DECOMPOSITION
java/text/Collator strength
java/text/Collator decmp
java/text/Collator cache
java/text/Collator LESS
java/text/Collator EQUAL
java/text/Collator GREATER
java/text/Collator getInstance()Ljava/text/Collator;
java/text/Collator getInstance(Ljava/util/Locale;)Ljava/text/Collator;
java/text/Collator compare(Ljava/lang/String;Ljava/lang/String;)I
java/text/Collator compare(Ljava/lang/Object;Ljava/lang/Object;)I
java/text/Collator
 getCollationKey(Ljava/lang/String;)Ljava/text/CollationKey;
java/text/Collator equals(Ljava/lang/String;Ljava/lang/String;)Z
java/text/Collator getStrength()I
java/text/Collator setStrength(I)V
java/text/Collator getDecomposition()I
java/text/Collator setDecomposition(I)V
java/text/Collator getAvailableLocales()[Ljava/util/Locale;
java/text/Collator clone()Ljava/lang/Object;
java/text/Collator equals(Ljava/lang/Object;)Z
java/text/Collator hashCode()I
java/text/Collator <init>()V
java/text/Collator <clinit>()V
class java/net/DatagramPacket java/lang/Object
java/net/DatagramPacket buf
java/net/DatagramPacket offset
java/net/DatagramPacket length
java/net/DatagramPacket bufLength
java/net/DatagramPacket address
java/net/DatagramPacket port
java/net/DatagramPacket <init>([BII)V
java/net/DatagramPacket <init>([BI)V
java/net/DatagramPacket <init>([BIILjava/net/InetAddress;I)V
java/net/DatagramPacket <init>([BIILjava/net/SocketAddress;)V
java/net/DatagramPacket
 <init>([BILjava/net/InetAddress;I)V
java/net/DatagramPacket <init>([BILjava/net/SocketAddress;)V
java/net/DatagramPacket getAddress()Ljava/net/InetAddress;
java/net/DatagramPacket getPort()I
java/net/DatagramPacket getData()[B
java/net/DatagramPacket getOffset()I
java/net/DatagramPacket getLength()I
java/net/DatagramPacket setData([BII)V
java/net/DatagramPacket setAddress(Ljava/net/InetAddress;)V
java/net/DatagramPacket setPort(I)V

java/net/DatagramPacket setSocketAddress(Ljava/net/SocketAddress;)V
java/net/DatagramPacket getSocketAddress()Ljava/net/SocketAddress;
java/net/DatagramPacket setData([B)V
java/net/DatagramPacket setLength(I)V
java/net/DatagramPacket init()V
java/net/DatagramPacket <clinit>()V
class java/net/MulticastSocket java/net/DatagramSocket
java/net/MulticastSocket ttlLock
java/net/MulticastSocket infLock
java/net/MulticastSocket infAddress
java/net/MulticastSocket <init>()V
java/net/MulticastSocket <init>(I)V
java/net/MulticastSocket <init>(Ljava/net/SocketAddress;)V
java/net/MulticastSocket
 setTTL(B)V
java/net/MulticastSocket setTimeToLive(I)V
java/net/MulticastSocket getTTL()B
java/net/MulticastSocket getTimeToLive()I
java/net/MulticastSocket joinGroup(Ljava/net/InetAddress;)V
java/net/MulticastSocket leaveGroup(Ljava/net/InetAddress;)V
java/net/MulticastSocket joinGroup(Ljava/net/SocketAddress;Ljava/net/NetworkInterface;)V
java/net/MulticastSocket leaveGroup(Ljava/net/SocketAddress;Ljava/net/NetworkInterface;)V
java/net/MulticastSocket setInterface(Ljava/net/InetAddress;)V
java/net/MulticastSocket getInterface()Ljava/net/InetAddress;
java/net/MulticastSocket setNetworkInterface(Ljava/net/NetworkInterface;)V
java/net/MulticastSocket getNetworkInterface()Ljava/net/NetworkInterface;
java/net/MulticastSocket setLoopbackMode(Z)V
java/net/MulticastSocket getLoopbackMode()Z
java/net/MulticastSocket send(Ljava/net/DatagramPacket;B)V
class java/net/DatagramSocket java/lang/Object
java/net/DatagramSocket created
java/net/DatagramSocket bound
java/net/DatagramSocket
 closed
java/net/DatagramSocket closeLock
java/net/DatagramSocket impl
java/net/DatagramSocket oldImpl
java/net/DatagramSocket ST_NOT_CONNECTED
java/net/DatagramSocket ST_CONNECTED
java/net/DatagramSocket ST_CONNECTED_NO_IMPL
java/net/DatagramSocket connectState
java/net/DatagramSocket connectedAddress
java/net/DatagramSocket connectedPort
java/net/DatagramSocket implClass
java/net/DatagramSocket factory
java/net/DatagramSocket connectInternal(Ljava/net/InetAddress;I)V
java/net/DatagramSocket <init>()V
java/net/DatagramSocket <init>(Ljava/net/DatagramSocketImpl;)V

java/net/DatagramSocket <init>(Ljava/net/SocketAddress;)V
java/net/DatagramSocket <init>(I)V
java/net/DatagramSocket <init>(ILjava/net/InetAddress;)V
java/net/DatagramSocket checkOldImpl()V
java/net/DatagramSocket createImpl()V
java/net/DatagramSocket getImpl()Ljava/net/DatagramSocketImpl;
java/net/DatagramSocket bind(Ljava/net/SocketAddress;)V
java/net/DatagramSocket connect(Ljava/net/InetAddress;I)V
java/net/DatagramSocket
connect(Ljava/net/SocketAddress;)V
java/net/DatagramSocket disconnect()V
java/net/DatagramSocket isBound()Z
java/net/DatagramSocket isConnected()Z
java/net/DatagramSocket getInetAddress()Ljava/net/InetAddress;
java/net/DatagramSocket getPort()I
java/net/DatagramSocket getRemoteSocketAddress()Ljava/net/SocketAddress;
java/net/DatagramSocket getLocalSocketAddress()Ljava/net/SocketAddress;
java/net/DatagramSocket send(Ljava/net/DatagramPacket;)V
java/net/DatagramSocket receive(Ljava/net/DatagramPacket;)V
java/net/DatagramSocket getLocalAddress()Ljava/net/InetAddress;
java/net/DatagramSocket getLocalPort()I
java/net/DatagramSocket setSoTimeout(I)V
java/net/DatagramSocket getSoTimeout()I
java/net/DatagramSocket setSendBufferSize(I)V
java/net/DatagramSocket getSendBufferSize()I
java/net/DatagramSocket setReceiveBufferSize(I)V
java/net/DatagramSocket getReceiveBufferSize()I
java/net/DatagramSocket setReuseAddress(Z)V
java/net/DatagramSocket getReuseAddress()Z
java/net/DatagramSocket
setBroadcast(Z)V
java/net/DatagramSocket getBroadcast()Z
java/net/DatagramSocket setTrafficClass(I)V
java/net/DatagramSocket getTrafficClass()I
java/net/DatagramSocket close()V
java/net/DatagramSocket isClosed()Z
java/net/DatagramSocket getChannel()Ljava/nio/channels/DatagramChannel;
java/net/DatagramSocket setDatagramSocketImplFactory(Ljava/net/DatagramSocketImplFactory;)V
java/net/DatagramSocket <clinit>()V
class java/net/BindException java/net/SocketException
java/net/BindException <init>(Ljava/lang/String;)V
java/net/BindException <init>()V
class java/net/NoRouteToHostException java/net/SocketException
java/net/NoRouteToHostException <init>(Ljava/lang/String;)V
java/net/NoRouteToHostException <init>()V
class java/util/Collections$UnmodifiableCollection$1 java/lang/Object
java/util/Collections$UnmodifiableCollection$1 i
java/util/Collections$UnmodifiableCollection$1 this$0

java/util/Collections$UnmodifiableCollection$1 <init>(Ljava/util/Collections$UnmodifiableCollection;)V
java/util/Collections$UnmodifiableCollection$1
 hasNext()Z
java/util/Collections$UnmodifiableCollection$1 next()Ljava/lang/Object;
java/util/Collections$UnmodifiableCollection$1 remove()V
class java/text/NumberFormat$Field java/text/Format$Field
java/text/NumberFormat$Field serialVersionUID
java/text/NumberFormat$Field instanceMap
java/text/NumberFormat$Field INTEGER
java/text/NumberFormat$Field FRACTION
java/text/NumberFormat$Field EXPONENT
java/text/NumberFormat$Field DECIMAL_SEPARATOR
java/text/NumberFormat$Field SIGN
java/text/NumberFormat$Field GROUPING_SEPARATOR
java/text/NumberFormat$Field EXPONENT_SYMBOL
java/text/NumberFormat$Field PERCENT
java/text/NumberFormat$Field PERMILLE
java/text/NumberFormat$Field CURRENCY
java/text/NumberFormat$Field EXPONENT_SIGN
java/text/NumberFormat$Field <init>(Ljava/lang/String;)V
java/text/NumberFormat$Field readResolve()Ljava/lang/Object;
java/text/NumberFormat$Field <clinit>()V
class java/text/ParseException java/lang/Exception
java/text/ParseException
 errorOffset
java/text/ParseException <init>(Ljava/lang/String;I)V
java/text/ParseException getErrorOffset()I
class java/util/TreeMap$KeyIterator java/util/TreeMap$PrivateEntryIterator
java/util/TreeMap$KeyIterator this$0
java/util/TreeMap$KeyIterator <init>(Ljava/util/TreeMap;)V
java/util/TreeMap$KeyIterator next()Ljava/lang/Object;
java/util/TreeMap$KeyIterator <init>(Ljava/util/TreeMap;Ljava/util/TreeMap$1;)V
class java/util/TreeMap$PrivateEntryIterator java/lang/Object
java/util/TreeMap$PrivateEntryIterator expectedModCount
java/util/TreeMap$PrivateEntryIterator lastReturned
java/util/TreeMap$PrivateEntryIterator next
java/util/TreeMap$PrivateEntryIterator this$0
java/util/TreeMap$PrivateEntryIterator <init>(Ljava/util/TreeMap;)V
java/util/TreeMap$PrivateEntryIterator <init>(Ljava/util/TreeMap;Ljava/util/TreeMap$Entry;)V
java/util/TreeMap$PrivateEntryIterator hasNext()Z
java/util/TreeMap$PrivateEntryIterator nextEntry()Ljava/util/TreeMap$Entry;
java/util/TreeMap$PrivateEntryIterator
 remove()V
class java/util/TreeMap$Entry java/lang/Object
java/util/TreeMap$Entry key
java/util/TreeMap$Entry value
java/util/TreeMap$Entry left
java/util/TreeMap$Entry right

java/util/TreeMap$Entry parent
java/util/TreeMap$Entry color
java/util/TreeMap$Entry <init>(Ljava/lang/Object;Ljava/lang/Object;Ljava/util/TreeMap$Entry;)V
java/util/TreeMap$Entry getKey()Ljava/lang/Object;
java/util/TreeMap$Entry getValue()Ljava/lang/Object;
java/util/TreeMap$Entry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/TreeMap$Entry equals(Ljava/lang/Object;)Z
java/util/TreeMap$Entry hashCode()I
java/util/TreeMap$Entry toString()Ljava/lang/String;
class java/lang/ExceptionInInitializerError java/lang/LinkageError
java/lang/ExceptionInInitializerError serialVersionUID
java/lang/ExceptionInInitializerError exception
java/lang/ExceptionInInitializerError <init>()V
java/lang/ExceptionInInitializerError <init>(Ljava/lang/Throwable;)V
java/lang/ExceptionInInitializerError <init>(Ljava/lang/String;)V
java/lang/ExceptionInInitializerError
 getException()Ljava/lang/Throwable;
java/lang/ExceptionInInitializerError getCause()Ljava/lang/Throwable;
class java/awt/CardLayout$Card java/lang/Object
java/awt/CardLayout$Card serialVersionUID
java/awt/CardLayout$Card name
java/awt/CardLayout$Card comp
java/awt/CardLayout$Card this$0
java/awt/CardLayout$Card <init>(Ljava/awt/CardLayout;Ljava/lang/String;Ljava/awt/Component;)V
class java/awt/event/ItemEvent java/awt/AWTEvent
java/awt/event/ItemEvent ITEM_FIRST
java/awt/event/ItemEvent ITEM_LAST
java/awt/event/ItemEvent ITEM_STATE_CHANGED
java/awt/event/ItemEvent SELECTED
java/awt/event/ItemEvent DESELECTED
java/awt/event/ItemEvent item
java/awt/event/ItemEvent stateChange
java/awt/event/ItemEvent serialVersionUID
java/awt/event/ItemEvent <init>(Ljava/awt/ItemSelectable;ILjava/lang/Object;I)V
java/awt/event/ItemEvent getItemSelectable()Ljava/awt/ItemSelectable;
java/awt/event/ItemEvent getItem()Ljava/lang/Object;
java/awt/event/ItemEvent
 getStateChange()I
java/awt/event/ItemEvent paramString()Ljava/lang/String;
class java/awt/GridLayout java/lang/Object
java/awt/GridLayout hgap
java/awt/GridLayout vgap
java/awt/GridLayout rows
java/awt/GridLayout cols
java/awt/GridLayout <init>()V
java/awt/GridLayout <init>(II)V
java/awt/GridLayout <init>(IIII)V
java/awt/GridLayout getRows()I

java/awt/GridLayout setRows(I)V
java/awt/GridLayout getColumns()I
java/awt/GridLayout setColumns(I)V
java/awt/GridLayout getHgap()I
java/awt/GridLayout setHgap(I)V
java/awt/GridLayout getVgap()I
java/awt/GridLayout setVgap(I)V
java/awt/GridLayout addLayoutComponent(Ljava/lang/String;Ljava/awt/Component;)V
java/awt/GridLayout removeLayoutComponent(Ljava/awt/Component;)V
java/awt/GridLayout preferredLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/GridLayout minimumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/GridLayout layoutContainer(Ljava/awt/Container;)V
java/awt/GridLayout toString()Ljava/lang/String;
class java/lang/StringIndexOutOfBoundsException
 java/lang/IndexOutOfBoundsException
java/lang/StringIndexOutOfBoundsException <init>()V
java/lang/StringIndexOutOfBoundsException <init>(Ljava/lang/String;)V
java/lang/StringIndexOutOfBoundsException <init>(I)V
class java/util/zip/DeflaterOutputStream java/io/FilterOutputStream
java/util/zip/DeflaterOutputStream def
java/util/zip/DeflaterOutputStream buf
java/util/zip/DeflaterOutputStream closed
java/util/zip/DeflaterOutputStream usesDefaultDeflater
java/util/zip/DeflaterOutputStream <init>(Ljava/io/OutputStream;Ljava/util/zip/Deflater;I)V
java/util/zip/DeflaterOutputStream <init>(Ljava/io/OutputStream;Ljava/util/zip/Deflater;)V
java/util/zip/DeflaterOutputStream <init>(Ljava/io/OutputStream;)V
java/util/zip/DeflaterOutputStream write(I)V
java/util/zip/DeflaterOutputStream write([BII)V
java/util/zip/DeflaterOutputStream finish()V
java/util/zip/DeflaterOutputStream close()V
java/util/zip/DeflaterOutputStream deflate()V
class java/util/zip/GZIPInputStream
 java/util/zip/InflaterInputStream
java/util/zip/GZIPInputStream crc
java/util/zip/GZIPInputStream eos
java/util/zip/GZIPInputStream closed
java/util/zip/GZIPInputStream GZIP_MAGIC
java/util/zip/GZIPInputStream FTEXT
java/util/zip/GZIPInputStream FHCRC
java/util/zip/GZIPInputStream FEXTRA
java/util/zip/GZIPInputStream FNAME
java/util/zip/GZIPInputStream FCOMMENT
java/util/zip/GZIPInputStream tmpbuf
java/util/zip/GZIPInputStream ensureOpen()V
java/util/zip/GZIPInputStream <init>(Ljava/io/InputStream;I)V
java/util/zip/GZIPInputStream <init>(Ljava/io/InputStream;)V
java/util/zip/GZIPInputStream read([BII)I
java/util/zip/GZIPInputStream close()V

java/util/zip/GZIPInputStream readHeader()V
java/util/zip/GZIPInputStream readTrailer()V
java/util/zip/GZIPInputStream readUInt(Ljava/io/InputStream;)J
java/util/zip/GZIPInputStream readUShort(Ljava/io/InputStream;)I
java/util/zip/GZIPInputStream readUByte(Ljava/io/InputStream;)I
java/util/zip/GZIPInputStream skipBytes(Ljava/io/InputStream;I)V
class
java/security/NoSuchAlgorithmException java/security/GeneralSecurityException
java/security/NoSuchAlgorithmException serialVersionUID
java/security/NoSuchAlgorithmException <init>()V
java/security/NoSuchAlgorithmException <init>(Ljava/lang/String;)V
java/security/NoSuchAlgorithmException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/NoSuchAlgorithmException <init>(Ljava/lang/Throwable;)V
class java/security/GeneralSecurityException java/lang/Exception
java/security/GeneralSecurityException serialVersionUID
java/security/GeneralSecurityException <init>()V
java/security/GeneralSecurityException <init>(Ljava/lang/String;)V
java/security/GeneralSecurityException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/security/GeneralSecurityException <init>(Ljava/lang/Throwable;)V
class java/awt/image/FilteredImageSource java/lang/Object
java/awt/image/FilteredImageSource src
java/awt/image/FilteredImageSource filter
java/awt/image/FilteredImageSource proxies
java/awt/image/FilteredImageSource
<init>(Ljava/awt/image/ImageProducer;Ljava/awt/image/ImageFilter;)V
java/awt/image/FilteredImageSource addConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/FilteredImageSource isConsumer(Ljava/awt/image/ImageConsumer;)Z
java/awt/image/FilteredImageSource removeConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/FilteredImageSource startProduction(Ljava/awt/image/ImageConsumer;)V
java/awt/image/FilteredImageSource requestTopDownLeftRightResend(Ljava/awt/image/ImageConsumer;)V
class java/awt/image/RGBImageFilter java/awt/image/ImageFilter
java/awt/image/RGBImageFilter origmodel
java/awt/image/RGBImageFilter newmodel
java/awt/image/RGBImageFilter canFilterIndexColorModel
java/awt/image/RGBImageFilter <init>()V
java/awt/image/RGBImageFilter setColorModel(Ljava/awt/image/ColorModel;)V
java/awt/image/RGBImageFilter
substituteColorModel(Ljava/awt/image/ColorModel;Ljava/awt/image/ColorModel;)V
java/awt/image/RGBImageFilter
filterIndexColorModel(Ljava/awt/image/IndexColorModel;)Ljava/awt/image/IndexColorModel;
java/awt/image/RGBImageFilter
filterRGBPixels(IIII[III)V
java/awt/image/RGBImageFilter setPixels(IIIILjava/awt/image/ColorModel;[BII)V
java/awt/image/RGBImageFilter setPixels(IIIILjava/awt/image/ColorModel;[III)V
java/awt/image/RGBImageFilter filterRGB(III)I
class java/awt/image/ImageFilter java/lang/Object
java/awt/image/ImageFilter consumer
java/awt/image/ImageFilter <init>()V

java/awt/image/ImageFilter getFilterInstance(Ljava/awt/image/ImageConsumer;)Ljava/awt/image/ImageFilter;
java/awt/image/ImageFilter setDimensions(II)V
java/awt/image/ImageFilter setProperties(Ljava/util/Hashtable;)V
java/awt/image/ImageFilter setColorModel(Ljava/awt/image/ColorModel;)V
java/awt/image/ImageFilter setHints(I)V
java/awt/image/ImageFilter setPixels(IIIILjava/awt/image/ColorModel;[BII)V
java/awt/image/ImageFilter setPixels(IIIILjava/awt/image/ColorModel;[III)V
java/awt/image/ImageFilter imageComplete(I)V
java/awt/image/ImageFilter resendTopDownLeftRight(Ljava/awt/image/ImageProducer;)V
java/awt/image/ImageFilter
clone()Ljava/lang/Object;
class java/io/ObjectInputStream java/io/InputStream
java/io/ObjectInputStream NULL_HANDLE
java/io/ObjectInputStream unsharedMarker
java/io/ObjectInputStream primClasses
java/io/ObjectInputStream bin
java/io/ObjectInputStream vlist
java/io/ObjectInputStream depth
java/io/ObjectInputStream closed
java/io/ObjectInputStream handles
java/io/ObjectInputStream passHandle
java/io/ObjectInputStream defaultDataEnd
java/io/ObjectInputStream primVals
java/io/ObjectInputStream enableOverride
java/io/ObjectInputStream enableResolve
java/io/ObjectInputStream curContext
java/io/ObjectInputStream <init>(Ljava/io/InputStream;)V
java/io/ObjectInputStream <init>()V
java/io/ObjectInputStream readObject()Ljava/lang/Object;
java/io/ObjectInputStream readObjectOverride()Ljava/lang/Object;
java/io/ObjectInputStream readUnshared()Ljava/lang/Object;
java/io/ObjectInputStream defaultReadObject()V
java/io/ObjectInputStream
readFields()Ljava/io/ObjectInputStream$GetField;
java/io/ObjectInputStream registerValidation(Ljava/io/ObjectInputValidation;I)V
java/io/ObjectInputStream resolveClass(Ljava/io/ObjectStreamClass;)Ljava/lang/Class;
java/io/ObjectInputStream resolveProxyClass([Ljava/lang/String;)Ljava/lang/Class;
java/io/ObjectInputStream resolveObject(Ljava/lang/Object;)Ljava/lang/Object;
java/io/ObjectInputStream enableResolveObject(Z)Z
java/io/ObjectInputStream readStreamHeader()V
java/io/ObjectInputStream readClassDescriptor()Ljava/io/ObjectStreamClass;
java/io/ObjectInputStream read()I
java/io/ObjectInputStream read([BII)I
java/io/ObjectInputStream available()I
java/io/ObjectInputStream close()V
java/io/ObjectInputStream readBoolean()Z
java/io/ObjectInputStream readByte()B
java/io/ObjectInputStream readUnsignedByte()I

java/io/ObjectInputStream readChar()C
java/io/ObjectInputStream readShort()S
java/io/ObjectInputStream readUnsignedShort()I
java/io/ObjectInputStream readInt()I
java/io/ObjectInputStream
readLong()J
java/io/ObjectInputStream readFloat()F
java/io/ObjectInputStream readDouble()D
java/io/ObjectInputStream readFully([B)V
java/io/ObjectInputStream readFully([BII)V
java/io/ObjectInputStream skipBytes(I)I
java/io/ObjectInputStream readLine()Ljava/lang/String;
java/io/ObjectInputStream readUTF()Ljava/lang/String;
java/io/ObjectInputStream verifySubclass()V
java/io/ObjectInputStream auditSubclass(Ljava/lang/Class;)Z
java/io/ObjectInputStream clear()V
java/io/ObjectInputStream readObject0(Z)Ljava/lang/Object;
java/io/ObjectInputStream checkResolve(Ljava/lang/Object;)Ljava/lang/Object;
java/io/ObjectInputStream readTypeString()Ljava/lang/String;
java/io/ObjectInputStream readNull()Ljava/lang/Object;
java/io/ObjectInputStream readHandle(Z)Ljava/lang/Object;
java/io/ObjectInputStream readClass(Z)Ljava/lang/Class;
java/io/ObjectInputStream readClassDesc(Z)Ljava/io/ObjectStreamClass;
java/io/ObjectInputStream readProxyDesc(Z)Ljava/io/ObjectStreamClass;
java/io/ObjectInputStream
readNonProxyDesc(Z)Ljava/io/ObjectStreamClass;
java/io/ObjectInputStream readString(Z)Ljava/lang/String;
java/io/ObjectInputStream readArray(Z)Ljava/lang/Object;
java/io/ObjectInputStream readEnum(Z)Ljava/lang/Enum;
java/io/ObjectInputStream readOrdinaryObject(Z)Ljava/lang/Object;
java/io/ObjectInputStream readExternalData(Ljava/io/Externalizable;Ljava/io/ObjectStreamClass;)V
java/io/ObjectInputStream readSerialData(Ljava/lang/Object;Ljava/io/ObjectStreamClass;)V
java/io/ObjectInputStream skipCustomData()V
java/io/ObjectInputStream defaultReadFields(Ljava/lang/Object;Ljava/io/ObjectStreamClass;)V
java/io/ObjectInputStream readFatalException()Ljava/io/IOException;
java/io/ObjectInputStream handleReset()V
java/io/ObjectInputStream bytesToFloats([BI[FII)V
java/io/ObjectInputStream bytesToDoubles([BI[DII)V
java/io/ObjectInputStream latestUserDefinedLoader()Ljava/lang/ClassLoader;
java/io/ObjectInputStream access$000(Ljava/io/ObjectInputStream;)I
java/io/ObjectInputStream access$100(Ljava/io/ObjectInputStream;)Ljava/io/ObjectInputStream$HandleTable;
java/io/ObjectInputStream
access$200(Ljava/io/ObjectInputStream;)Ljava/io/ObjectInputStream$BlockDataInputStream;
java/io/ObjectInputStream access$300(Ljava/io/ObjectInputStream;Z)Ljava/lang/Object;
java/io/ObjectInputStream access$002(Ljava/io/ObjectInputStream;I)I
java/io/ObjectInputStream access$400(Ljava/io/ObjectInputStream;)Z
java/io/ObjectInputStream access$500(Ljava/io/ObjectInputStream;)V
java/io/ObjectInputStream access$600([BI[FII)V

java/io/ObjectInputStream access$700([BI[DII)V
java/io/ObjectInputStream <clinit>()V
class java/io/ObjectStreamConstants java/lang/Object
java/io/ObjectStreamConstants STREAM_MAGIC
java/io/ObjectStreamConstants STREAM_VERSION
java/io/ObjectStreamConstants TC_BASE
java/io/ObjectStreamConstants TC_NULL
java/io/ObjectStreamConstants TC_REFERENCE
java/io/ObjectStreamConstants TC_CLASSDESC
java/io/ObjectStreamConstants TC_OBJECT
java/io/ObjectStreamConstants TC_STRING
java/io/ObjectStreamConstants
 TC_ARRAY
java/io/ObjectStreamConstants TC_CLASS
java/io/ObjectStreamConstants TC_BLOCKDATA
java/io/ObjectStreamConstants TC_ENDBLOCKDATA
java/io/ObjectStreamConstants TC_RESET
java/io/ObjectStreamConstants TC_BLOCKDATALONG
java/io/ObjectStreamConstants TC_EXCEPTION
java/io/ObjectStreamConstants TC_LONGSTRING
java/io/ObjectStreamConstants TC_PROXYCLASSDESC
java/io/ObjectStreamConstants TC_ENUM
java/io/ObjectStreamConstants TC_MAX
java/io/ObjectStreamConstants baseWireHandle
java/io/ObjectStreamConstants SC_WRITE_METHOD
java/io/ObjectStreamConstants SC_BLOCK_DATA
java/io/ObjectStreamConstants SC_SERIALIZABLE
java/io/ObjectStreamConstants SC_EXTERNALIZABLE
java/io/ObjectStreamConstants SC_ENUM
java/io/ObjectStreamConstants SUBSTITUTION_PERMISSION
java/io/ObjectStreamConstants SUBCLASS_IMPLEMENTATION_PERMISSION
java/io/ObjectStreamConstants PROTOCOL_VERSION_1
java/io/ObjectStreamConstants PROTOCOL_VERSION_2
java/io/ObjectStreamConstants <clinit>()V
class java/io/ObjectInput java/lang/Object
java/io/ObjectInput
 readObject()Ljava/lang/Object;
java/io/ObjectInput read()I
java/io/ObjectInput read([B)I
java/io/ObjectInput read([BII)I
java/io/ObjectInput skip(J)J
java/io/ObjectInput available()I
java/io/ObjectInput close()V
class java/lang/ClassFormatError java/lang/LinkageError
java/lang/ClassFormatError <init>()V
java/lang/ClassFormatError <init>(Ljava/lang/String;)V
class java/util/zip/CRC32 java/lang/Object
java/util/zip/CRC32 crc

java/util/zip/CRC32 <init>()V
java/util/zip/CRC32 update(I)V
java/util/zip/CRC32 update([BII)V
java/util/zip/CRC32 update([B)V
java/util/zip/CRC32 reset()V
java/util/zip/CRC32 getValue()J
java/util/zip/CRC32 update(II)I
java/util/zip/CRC32 updateBytes(I[BII)I
class java/util/zip/Checksum java/lang/Object
java/util/zip/Checksum update(I)V
java/util/zip/Checksum update([BII)V
java/util/zip/Checksum getValue()J
java/util/zip/Checksum reset()V
class java/io/PushbackInputStream java/io/FilterInputStream
java/io/PushbackInputStream buf
java/io/PushbackInputStream
 pos
java/io/PushbackInputStream ensureOpen()V
java/io/PushbackInputStream <init>(Ljava/io/InputStream;I)V
java/io/PushbackInputStream <init>(Ljava/io/InputStream;)V
java/io/PushbackInputStream read()I
java/io/PushbackInputStream read([BII)I
java/io/PushbackInputStream unread(I)V
java/io/PushbackInputStream unread([BII)V
java/io/PushbackInputStream unread([B)V
java/io/PushbackInputStream available()I
java/io/PushbackInputStream skip(J)J
java/io/PushbackInputStream markSupported()Z
java/io/PushbackInputStream mark(I)V
java/io/PushbackInputStream reset()V
java/io/PushbackInputStream close()V
class java/util/zip/ZipInputStream java/util/zip/InflaterInputStream
java/util/zip/ZipInputStream entry
java/util/zip/ZipInputStream crc
java/util/zip/ZipInputStream remaining
java/util/zip/ZipInputStream tmpbuf
java/util/zip/ZipInputStream STORED
java/util/zip/ZipInputStream DEFLATED
java/util/zip/ZipInputStream closed
java/util/zip/ZipInputStream entryEOF
java/util/zip/ZipInputStream
 b
java/util/zip/ZipInputStream ensureOpen()V
java/util/zip/ZipInputStream <init>(Ljava/io/InputStream;)V
java/util/zip/ZipInputStream getNextEntry()Ljava/util/zip/ZipEntry;
java/util/zip/ZipInputStream closeEntry()V
java/util/zip/ZipInputStream available()I
java/util/zip/ZipInputStream read([BII)I

java/util/zip/ZipInputStream skip(J)J
java/util/zip/ZipInputStream close()V
java/util/zip/ZipInputStream readLOC()Ljava/util/zip/ZipEntry;
java/util/zip/ZipInputStream getUTF8String([BII)Ljava/lang/String;
java/util/zip/ZipInputStream createZipEntry(Ljava/lang/String;)Ljava/util/zip/ZipEntry;
java/util/zip/ZipInputStream readEnd(Ljava/util/zip/ZipEntry;)V
java/util/zip/ZipInputStream readFully([BII)V
java/util/zip/ZipInputStream get16([BI)I
java/util/zip/ZipInputStream get32([BI)J
class java/text/DontCareFieldPosition$1 java/lang/Object
java/text/DontCareFieldPosition$1 this$0
java/text/DontCareFieldPosition$1 <init>(Ljava/text/DontCareFieldPosition;)V
java/text/DontCareFieldPosition$1
formatted(Ljava/text/Format$Field;Ljava/lang/Object;IILjava/lang/StringBuffer;)V
java/text/DontCareFieldPosition$1
formatted(ILjava/text/Format$Field;Ljava/lang/Object;IILjava/lang/StringBuffer;)V
class java/text/Format$FieldDelegate java/lang/Object
java/text/Format$FieldDelegate formatted(Ljava/text/Format$Field;Ljava/lang/Object;IILjava/lang/StringBuffer;)V
java/text/Format$FieldDelegate formatted(ILjava/text/Format$Field;Ljava/lang/Object;IILjava/lang/StringBuffer;)V
class java/text/DontCareFieldPosition java/text/FieldPosition
java/text/DontCareFieldPosition INSTANCE
java/text/DontCareFieldPosition noDelegate
java/text/DontCareFieldPosition <init>()V
java/text/DontCareFieldPosition getFieldDelegate()Ljava/text/Format$FieldDelegate;
java/text/DontCareFieldPosition <clinit>()V
class java/text/DigitList java/lang/Object
java/text/DigitList MAX_COUNT
java/text/DigitList decimalAt
java/text/DigitList count
java/text/DigitList digits
java/text/DigitList data
java/text/DigitList LONG_MIN_REP
java/text/DigitList
tempBuffer
java/text/DigitList <init>()V
java/text/DigitList isZero()Z
java/text/DigitList clear()V
java/text/DigitList append(C)V
java/text/DigitList getDouble()D
java/text/DigitList getLong()J
java/text/DigitList getBigDecimal()Ljava/math/BigDecimal;
java/text/DigitList fitsIntoLong(ZZ)Z
java/text/DigitList set(DI)V
java/text/DigitList set(DIZ)V
java/text/DigitList set(Ljava/lang/String;IZ)V
java/text/DigitList round(I)V
java/text/DigitList shouldRoundUp(I)Z
java/text/DigitList set(J)V

java/text/DigitList set(JI)V
java/text/DigitList set(Ljava/math/BigDecimal;IZ)V
java/text/DigitList set(Ljava/math/BigInteger;I)V
java/text/DigitList equals(Ljava/lang/Object;)Z
java/text/DigitList hashCode()I
java/text/DigitList clone()Ljava/lang/Object;
java/text/DigitList isLongMIN_VALUE()Z
java/text/DigitList parseInt([CII)I
java/text/DigitList toString()Ljava/lang/String;
java/text/DigitList getStringBuffer()Ljava/lang/StringBuffer;
java/text/DigitList extendDigits(I)V
java/text/DigitList
 getDataChars(I)[C
java/text/DigitList <clinit>()V
class java/text/DecimalFormat java/text/NumberFormat
java/text/DecimalFormat bigIntegerMultiplier
java/text/DecimalFormat bigDecimalMultiplier
java/text/DecimalFormat STATUS_INFINITE
java/text/DecimalFormat STATUS_POSITIVE
java/text/DecimalFormat STATUS_LENGTH
java/text/DecimalFormat digitList
java/text/DecimalFormat positivePrefix
java/text/DecimalFormat positiveSuffix
java/text/DecimalFormat negativePrefix
java/text/DecimalFormat negativeSuffix
java/text/DecimalFormat posPrefixPattern
java/text/DecimalFormat posSuffixPattern
java/text/DecimalFormat negPrefixPattern
java/text/DecimalFormat negSuffixPattern
java/text/DecimalFormat multiplier
java/text/DecimalFormat groupingSize
java/text/DecimalFormat decimalSeparatorAlwaysShown
java/text/DecimalFormat parseBigDecimal
java/text/DecimalFormat isCurrencyFormat
java/text/DecimalFormat symbols
java/text/DecimalFormat useExponentialNotation
java/text/DecimalFormat positivePrefixFieldPositions
java/text/DecimalFormat
 positiveSuffixFieldPositions
java/text/DecimalFormat negativePrefixFieldPositions
java/text/DecimalFormat negativeSuffixFieldPositions
java/text/DecimalFormat minExponentDigits
java/text/DecimalFormat maximumIntegerDigits
java/text/DecimalFormat minimumIntegerDigits
java/text/DecimalFormat maximumFractionDigits
java/text/DecimalFormat minimumFractionDigits
java/text/DecimalFormat currentSerialVersion
java/text/DecimalFormat serialVersionOnStream

java/text/DecimalFormat PATTERN_ZERO_DIGIT
java/text/DecimalFormat PATTERN_GROUPING_SEPARATOR
java/text/DecimalFormat PATTERN_DECIMAL_SEPARATOR
java/text/DecimalFormat PATTERN_PER_MILLE
java/text/DecimalFormat PATTERN_PERCENT
java/text/DecimalFormat PATTERN_DIGIT
java/text/DecimalFormat PATTERN_SEPARATOR
java/text/DecimalFormat PATTERN_EXPONENT
java/text/DecimalFormat PATTERN_MINUS
java/text/DecimalFormat CURRENCY_SIGN
java/text/DecimalFormat QUOTE
java/text/DecimalFormat EmptyFieldPositionArray
java/text/DecimalFormat
DOUBLE_INTEGER_DIGITS
java/text/DecimalFormat DOUBLE_FRACTION_DIGITS
java/text/DecimalFormat MAXIMUM_INTEGER_DIGITS
java/text/DecimalFormat MAXIMUM_FRACTION_DIGITS
java/text/DecimalFormat serialVersionUID
java/text/DecimalFormat cachedLocaleData
java/text/DecimalFormat $assertionsDisabled
java/text/DecimalFormat <init>()V
java/text/DecimalFormat <init>(Ljava/lang/String;)V
java/text/DecimalFormat <init>(Ljava/lang/String;Ljava/text/DecimalFormatSymbols;)V
java/text/DecimalFormat
format(Ljava/lang/Object;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/DecimalFormat format(DLjava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/DecimalFormat
format(DLjava/lang/StringBuffer;Ljava/text/Format$FieldDelegate;)Ljava/lang/StringBuffer;
java/text/DecimalFormat format(JLjava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/DecimalFormat
format(JLjava/lang/StringBuffer;Ljava/text/Format$FieldDelegate;)Ljava/lang/StringBuffer;
java/text/DecimalFormat
format(Ljava/math/BigDecimal;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/DecimalFormat
format(Ljava/math/BigDecimal;Ljava/lang/StringBuffer;Ljava/text/Format$FieldDelegate;)Ljava/lang/StringBuffer;
java/text/DecimalFormat
format(Ljava/math/BigInteger;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/DecimalFormat
format(Ljava/math/BigInteger;Ljava/lang/StringBuffer;Ljava/text/Format$FieldDelegate;Z)Ljava/lang/StringBuffer;
java/text/DecimalFormat formatToCharacterIterator(Ljava/lang/Object;)Ljava/text/AttributedCharacterIterator;
java/text/DecimalFormat
subformat(Ljava/lang/StringBuffer;Ljava/text/Format$FieldDelegate;ZZIIII)Ljava/lang/StringBuffer;
java/text/DecimalFormat
append(Ljava/lang/StringBuffer;Ljava/lang/String;Ljava/text/Format$FieldDelegate;[Ljava/text/FieldPosition;Ljava
/text/Format$Field;)V
java/text/DecimalFormat parse(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/lang/Number;
java/text/DecimalFormat

getBigIntegerMultiplier()Ljava/math/BigInteger;
java/text/DecimalFormat getBigDecimalMultiplier()Ljava/math/BigDecimal;
java/text/DecimalFormat
subparse(Ljava/lang/String;Ljava/text/ParsePosition;Ljava/lang/String;Ljava/lang/String;Ljava/text/DigitList;Z[Z)Z
java/text/DecimalFormat getDecimalFormatSymbols()Ljava/text/DecimalFormatSymbols;
java/text/DecimalFormat setDecimalFormatSymbols(Ljava/text/DecimalFormatSymbols;)V
java/text/DecimalFormat getPositivePrefix()Ljava/lang/String;
java/text/DecimalFormat setPositivePrefix(Ljava/lang/String;)V
java/text/DecimalFormat getPositivePrefixFieldPositions()[Ljava/text/FieldPosition;
java/text/DecimalFormat getNegativePrefix()Ljava/lang/String;
java/text/DecimalFormat setNegativePrefix(Ljava/lang/String;)V
java/text/DecimalFormat getNegativePrefixFieldPositions()[Ljava/text/FieldPosition;
java/text/DecimalFormat getPositiveSuffix()Ljava/lang/String;
java/text/DecimalFormat
setPositiveSuffix(Ljava/lang/String;)V
java/text/DecimalFormat getPositiveSuffixFieldPositions()[Ljava/text/FieldPosition;
java/text/DecimalFormat getNegativeSuffix()Ljava/lang/String;
java/text/DecimalFormat setNegativeSuffix(Ljava/lang/String;)V
java/text/DecimalFormat getNegativeSuffixFieldPositions()[Ljava/text/FieldPosition;
java/text/DecimalFormat getMultiplier()I
java/text/DecimalFormat setMultiplier(I)V
java/text/DecimalFormat getGroupingSize()I
java/text/DecimalFormat setGroupingSize(I)V
java/text/DecimalFormat isDecimalSeparatorAlwaysShown()Z
java/text/DecimalFormat setDecimalSeparatorAlwaysShown(Z)V
java/text/DecimalFormat isParseBigDecimal()Z
java/text/DecimalFormat setParseBigDecimal(Z)V
java/text/DecimalFormat clone()Ljava/lang/Object;
java/text/DecimalFormat equals(Ljava/lang/Object;)Z
java/text/DecimalFormat hashCode()I
java/text/DecimalFormat toPattern()Ljava/lang/String;
java/text/DecimalFormat toLocalizedPattern()Ljava/lang/String;
java/text/DecimalFormat expandAffixes()V
java/text/DecimalFormat
expandAffix(Ljava/lang/String;Ljava/lang/StringBuffer;)Ljava/lang/String;
java/text/DecimalFormat expandAffix(Ljava/lang/String;)[Ljava/text/FieldPosition;
java/text/DecimalFormat appendAffix(Ljava/lang/StringBuffer;Ljava/lang/String;Ljava/lang/String;Z)V
java/text/DecimalFormat appendAffix(Ljava/lang/StringBuffer;Ljava/lang/String;Z)V
java/text/DecimalFormat toPattern(Z)Ljava/lang/String;
java/text/DecimalFormat applyPattern(Ljava/lang/String;)V
java/text/DecimalFormat applyLocalizedPattern(Ljava/lang/String;)V
java/text/DecimalFormat applyPattern(Ljava/lang/String;Z)V
java/text/DecimalFormat setMaximumIntegerDigits(I)V
java/text/DecimalFormat setMinimumIntegerDigits(I)V
java/text/DecimalFormat setMaximumFractionDigits(I)V
java/text/DecimalFormat setMinimumFractionDigits(I)V
java/text/DecimalFormat getMaximumIntegerDigits()I
java/text/DecimalFormat getMinimumIntegerDigits()I

java/text/DecimalFormat getMaximumFractionDigits()I
java/text/DecimalFormat
getMinimumFractionDigits()I
java/text/DecimalFormat getCurrency()Ljava/util/Currency;
java/text/DecimalFormat setCurrency(Ljava/util/Currency;)V
java/text/DecimalFormat adjustForCurrencyDefaultFractionDigits()V
java/text/DecimalFormat readObject(Ljava/io/ObjectInputStream;)V
java/text/DecimalFormat <clinit>()V
class java/util/CurrencyData java/lang/Object
java/util/CurrencyData mainTable
java/util/CurrencyData scCutOverTimes
java/util/CurrencyData scOldCurrencies
java/util/CurrencyData scNewCurrencies
java/util/CurrencyData scOldCurrenciesDFD
java/util/CurrencyData scNewCurrenciesDFD
java/util/CurrencyData otherCurrencies
java/util/CurrencyData otherCurrenciesDFD
java/util/CurrencyData <init>()V
java/util/CurrencyData <clinit>()V
class java/util/Currency$1 java/lang/Object
java/util/Currency$1 <init>()V
java/util/Currency$1 run()Ljava/lang/Object;
class java/util/Currency java/lang/Object
java/util/Currency serialVersionUID
java/util/Currency currencyCode
java/util/Currency defaultFractionDigits
java/util/Currency
instances
java/util/Currency mainTable
java/util/Currency scCutOverTimes
java/util/Currency scOldCurrencies
java/util/Currency scNewCurrencies
java/util/Currency scOldCurrenciesDFD
java/util/Currency scNewCurrenciesDFD
java/util/Currency otherCurrencies
java/util/Currency otherCurrenciesDFD
java/util/Currency A_TO_Z
java/util/Currency INVALID_COUNTRY_ENTRY
java/util/Currency COUNTRY_WITHOUT_CURRENCY_ENTRY
java/util/Currency SIMPLE_CASE_COUNTRY_MASK
java/util/Currency SIMPLE_CASE_COUNTRY_FINAL_CHAR_MASK
java/util/Currency SIMPLE_CASE_COUNTRY_DEFAULT_DIGITS_MASK
java/util/Currency SIMPLE_CASE_COUNTRY_DEFAULT_DIGITS_SHIFT
java/util/Currency SPECIAL_CASE_COUNTRY_MASK
java/util/Currency SPECIAL_CASE_COUNTRY_INDEX_MASK
java/util/Currency SPECIAL_CASE_COUNTRY_INDEX_DELTA
java/util/Currency COUNTRY_TYPE_MASK
java/util/Currency <init>(Ljava/lang/String;I)V

java/util/Currency getInstance(Ljava/lang/String;)Ljava/util/Currency;
java/util/Currency getInstance(Ljava/lang/String;I)Ljava/util/Currency;
java/util/Currency
 getInstance(Ljava/util/Locale;)Ljava/util/Currency;
java/util/Currency getCurrencyCode()Ljava/lang/String;
java/util/Currency getSymbol()Ljava/lang/String;
java/util/Currency getSymbol(Ljava/util/Locale;)Ljava/lang/String;
java/util/Currency getDefaultFractionDigits()I
java/util/Currency toString()Ljava/lang/String;
java/util/Currency readResolve()Ljava/lang/Object;
java/util/Currency getMainTableEntry(CC)I
java/util/Currency <clinit>()V
class java/text/DecimalFormatSymbols java/lang/Object
java/text/DecimalFormatSymbols zeroDigit
java/text/DecimalFormatSymbols groupingSeparator
java/text/DecimalFormatSymbols decimalSeparator
java/text/DecimalFormatSymbols perMill
java/text/DecimalFormatSymbols percent
java/text/DecimalFormatSymbols digit
java/text/DecimalFormatSymbols patternSeparator
java/text/DecimalFormatSymbols infinity
java/text/DecimalFormatSymbols NaN
java/text/DecimalFormatSymbols minusSign
java/text/DecimalFormatSymbols
 currencySymbol
java/text/DecimalFormatSymbols intlCurrencySymbol
java/text/DecimalFormatSymbols monetarySeparator
java/text/DecimalFormatSymbols exponential
java/text/DecimalFormatSymbols locale
java/text/DecimalFormatSymbols currency
java/text/DecimalFormatSymbols serialVersionUID
java/text/DecimalFormatSymbols currentSerialVersion
java/text/DecimalFormatSymbols serialVersionOnStream
java/text/DecimalFormatSymbols cachedLocaleData
java/text/DecimalFormatSymbols <init>()V
java/text/DecimalFormatSymbols <init>(Ljava/util/Locale;)V
java/text/DecimalFormatSymbols getZeroDigit()C
java/text/DecimalFormatSymbols setZeroDigit(C)V
java/text/DecimalFormatSymbols getGroupingSeparator()C
java/text/DecimalFormatSymbols setGroupingSeparator(C)V
java/text/DecimalFormatSymbols getDecimalSeparator()C
java/text/DecimalFormatSymbols setDecimalSeparator(C)V
java/text/DecimalFormatSymbols getPerMill()C
java/text/DecimalFormatSymbols setPerMill(C)V
java/text/DecimalFormatSymbols getPercent()C
java/text/DecimalFormatSymbols
 setPercent(C)V
java/text/DecimalFormatSymbols getDigit()C

java/text/DecimalFormatSymbols setDigit(C)V
java/text/DecimalFormatSymbols getPatternSeparator()C
java/text/DecimalFormatSymbols setPatternSeparator(C)V
java/text/DecimalFormatSymbols getInfinity()Ljava/lang/String;
java/text/DecimalFormatSymbols setInfinity(Ljava/lang/String;)V
java/text/DecimalFormatSymbols getNaN()Ljava/lang/String;
java/text/DecimalFormatSymbols setNaN(Ljava/lang/String;)V
java/text/DecimalFormatSymbols getMinusSign()C
java/text/DecimalFormatSymbols setMinusSign(C)V
java/text/DecimalFormatSymbols getCurrencySymbol()Ljava/lang/String;
java/text/DecimalFormatSymbols setCurrencySymbol(Ljava/lang/String;)V
java/text/DecimalFormatSymbols getInternationalCurrencySymbol()Ljava/lang/String;
java/text/DecimalFormatSymbols setInternationalCurrencySymbol(Ljava/lang/String;)V
java/text/DecimalFormatSymbols getCurrency()Ljava/util/Currency;
java/text/DecimalFormatSymbols setCurrency(Ljava/util/Currency;)V
java/text/DecimalFormatSymbols
getMonetaryDecimalSeparator()C
java/text/DecimalFormatSymbols setMonetaryDecimalSeparator(C)V
java/text/DecimalFormatSymbols getExponentialSymbol()C
java/text/DecimalFormatSymbols setExponentialSymbol(C)V
java/text/DecimalFormatSymbols clone()Ljava/lang/Object;
java/text/DecimalFormatSymbols equals(Ljava/lang/Object;)Z
java/text/DecimalFormatSymbols hashCode()I
java/text/DecimalFormatSymbols initialize(Ljava/util/Locale;)V
java/text/DecimalFormatSymbols readObject(Ljava/io/ObjectInputStream;)V
java/text/DecimalFormatSymbols <clinit>()V
class java/text/NumberFormat java/text/Format
java/text/NumberFormat INTEGER_FIELD
java/text/NumberFormat FRACTION_FIELD
java/text/NumberFormat cachedLocaleData
java/text/NumberFormat NUMBERSTYLE
java/text/NumberFormat CURRENCYSTYLE
java/text/NumberFormat PERCENTSTYLE
java/text/NumberFormat SCIENTIFICSTYLE
java/text/NumberFormat INTEGERSTYLE
java/text/NumberFormat groupingUsed
java/text/NumberFormat maxIntegerDigits
java/text/NumberFormat
minIntegerDigits
java/text/NumberFormat maxFractionDigits
java/text/NumberFormat minFractionDigits
java/text/NumberFormat parseIntegerOnly
java/text/NumberFormat maximumIntegerDigits
java/text/NumberFormat minimumIntegerDigits
java/text/NumberFormat maximumFractionDigits
java/text/NumberFormat minimumFractionDigits
java/text/NumberFormat currentSerialVersion
java/text/NumberFormat serialVersionOnStream

java/text/NumberFormat serialVersionUID
java/text/NumberFormat <init>()V
java/text/NumberFormat
format(Ljava/lang/Object;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/NumberFormat parseObject(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/lang/Object;
java/text/NumberFormat format(D)Ljava/lang/String;
java/text/NumberFormat format(J)Ljava/lang/String;
java/text/NumberFormat format(DLjava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/NumberFormat format(JLjava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/NumberFormat
parse(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/lang/Number;
java/text/NumberFormat parse(Ljava/lang/String;)Ljava/lang/Number;
java/text/NumberFormat isParseIntegerOnly()Z
java/text/NumberFormat setParseIntegerOnly(Z)V
java/text/NumberFormat getInstance()Ljava/text/NumberFormat;
java/text/NumberFormat getInstance(Ljava/util/Locale;)Ljava/text/NumberFormat;
java/text/NumberFormat getNumberInstance()Ljava/text/NumberFormat;
java/text/NumberFormat getNumberInstance(Ljava/util/Locale;)Ljava/text/NumberFormat;
java/text/NumberFormat getIntegerInstance()Ljava/text/NumberFormat;
java/text/NumberFormat getIntegerInstance(Ljava/util/Locale;)Ljava/text/NumberFormat;
java/text/NumberFormat getCurrencyInstance()Ljava/text/NumberFormat;
java/text/NumberFormat getCurrencyInstance(Ljava/util/Locale;)Ljava/text/NumberFormat;
java/text/NumberFormat getPercentInstance()Ljava/text/NumberFormat;
java/text/NumberFormat getPercentInstance(Ljava/util/Locale;)Ljava/text/NumberFormat;
java/text/NumberFormat
getScientificInstance()Ljava/text/NumberFormat;
java/text/NumberFormat getScientificInstance(Ljava/util/Locale;)Ljava/text/NumberFormat;
java/text/NumberFormat getAvailableLocales()[Ljava/util/Locale;
java/text/NumberFormat hashCode()I
java/text/NumberFormat equals(Ljava/lang/Object;)Z
java/text/NumberFormat clone()Ljava/lang/Object;
java/text/NumberFormat isGroupingUsed()Z
java/text/NumberFormat setGroupingUsed(Z)V
java/text/NumberFormat getMaximumIntegerDigits()I
java/text/NumberFormat setMaximumIntegerDigits(I)V
java/text/NumberFormat getMinimumIntegerDigits()I
java/text/NumberFormat setMinimumIntegerDigits(I)V
java/text/NumberFormat getMaximumFractionDigits()I
java/text/NumberFormat setMaximumFractionDigits(I)V
java/text/NumberFormat getMinimumFractionDigits()I
java/text/NumberFormat setMinimumFractionDigits(I)V
java/text/NumberFormat getCurrency()Ljava/util/Currency;
java/text/NumberFormat setCurrency(Ljava/util/Currency;)V
java/text/NumberFormat
getInstance(Ljava/util/Locale;I)Ljava/text/NumberFormat;
java/text/NumberFormat readObject(Ljava/io/ObjectInputStream;)V
java/text/NumberFormat writeObject(Ljava/io/ObjectOutputStream;)V
java/text/NumberFormat <clinit>()V

class java/util/GregorianCalendar java/util/Calendar
java/util/GregorianCalendar BC
java/util/GregorianCalendar BCE
java/util/GregorianCalendar AD
java/util/GregorianCalendar CE
java/util/GregorianCalendar EPOCH_OFFSET
java/util/GregorianCalendar EPOCH_YEAR
java/util/GregorianCalendar MONTH_LENGTH
java/util/GregorianCalendar LEAP_MONTH_LENGTH
java/util/GregorianCalendar ONE_SECOND
java/util/GregorianCalendar ONE_MINUTE
java/util/GregorianCalendar ONE_HOUR
java/util/GregorianCalendar ONE_DAY
java/util/GregorianCalendar ONE_WEEK
java/util/GregorianCalendar MIN_VALUES
java/util/GregorianCalendar LEAST_MAX_VALUES
java/util/GregorianCalendar MAX_VALUES
java/util/GregorianCalendar serialVersionUID
java/util/GregorianCalendar gcal
java/util/GregorianCalendar
jcal
java/util/GregorianCalendar jeras
java/util/GregorianCalendar DEFAULT_GREGORIAN_CUTOVER
java/util/GregorianCalendar gregorianCutover
java/util/GregorianCalendar gregorianCutoverDate
java/util/GregorianCalendar gregorianCutoverYear
java/util/GregorianCalendar gregorianCutoverYearJulian
java/util/GregorianCalendar gdate
java/util/GregorianCalendar cdate
java/util/GregorianCalendar calsys
java/util/GregorianCalendar zoneOffsets
java/util/GregorianCalendar originalFields
java/util/GregorianCalendar cachedFixedDate
java/util/GregorianCalendar $assertionsDisabled
java/util/GregorianCalendar <init>()V
java/util/GregorianCalendar <init>(Ljava/util/TimeZone;)V
java/util/GregorianCalendar <init>(Ljava/util/Locale;)V
java/util/GregorianCalendar <init>(Ljava/util/TimeZone;Ljava/util/Locale;)V
java/util/GregorianCalendar <init>(III)V
java/util/GregorianCalendar <init>(IIIII)V
java/util/GregorianCalendar <init>(IIIIII)V
java/util/GregorianCalendar <init>(IIIIIII)V
java/util/GregorianCalendar
setGregorianChange(Ljava/util/Date;)V
java/util/GregorianCalendar setGregorianChange(J)V
java/util/GregorianCalendar getGregorianChange()Ljava/util/Date;
java/util/GregorianCalendar isLeapYear(I)Z
java/util/GregorianCalendar equals(Ljava/lang/Object;)Z

java/util/GregorianCalendar hashCode()I
java/util/GregorianCalendar add(II)V
java/util/GregorianCalendar roll(IZ)V
java/util/GregorianCalendar roll(II)V
java/util/GregorianCalendar getMinimum(I)I
java/util/GregorianCalendar getMaximum(I)I
java/util/GregorianCalendar getGreatestMinimum(I)I
java/util/GregorianCalendar getLeastMaximum(I)I
java/util/GregorianCalendar getActualMinimum(I)I
java/util/GregorianCalendar getActualMaximum(I)I
java/util/GregorianCalendar getYearOffsetInMillis()J
java/util/GregorianCalendar clone()Ljava/lang/Object;
java/util/GregorianCalendar getTimeZone()Ljava/util/TimeZone;
java/util/GregorianCalendar setTimeZone(Ljava/util/TimeZone;)V
java/util/GregorianCalendar computeFields()V
java/util/GregorianCalendar
computeFields(II)I
java/util/GregorianCalendar getWeekNumber(JJ)I
java/util/GregorianCalendar computeTime()V
java/util/GregorianCalendar getFixedDate(Lsun/util/calendar/BaseCalendar;II)J
java/util/GregorianCalendar getNormalizedCalendar()Ljava/util/GregorianCalendar;
java/util/GregorianCalendar getJulianCalendarSystem()Lsun/util/calendar/BaseCalendar;
java/util/GregorianCalendar getCutoverCalendarSystem()Lsun/util/calendar/BaseCalendar;
java/util/GregorianCalendar isCutoverYear(I)Z
java/util/GregorianCalendar getFixedDateJan1(Lsun/util/calendar/BaseCalendar$Date;J)J
java/util/GregorianCalendar getFixedDateMonth1(Lsun/util/calendar/BaseCalendar$Date;J)J
java/util/GregorianCalendar getCalendarDate(J)Lsun/util/calendar/BaseCalendar$Date;
java/util/GregorianCalendar getGregorianCutoverDate()Lsun/util/calendar/BaseCalendar$Date;
java/util/GregorianCalendar getLastJulianDate()Lsun/util/calendar/BaseCalendar$Date;
java/util/GregorianCalendar monthLength(II)I
java/util/GregorianCalendar monthLength(I)I
java/util/GregorianCalendar
actualMonthLength()I
java/util/GregorianCalendar yearLength(I)I
java/util/GregorianCalendar yearLength()I
java/util/GregorianCalendar pinDayOfMonth()V
java/util/GregorianCalendar getCurrentFixedDate()J
java/util/GregorianCalendar getRolledValue(IIII)I
java/util/GregorianCalendar internalGetEra()I
java/util/GregorianCalendar readObject(Ljava/io/ObjectInputStream;)V
java/util/GregorianCalendar <clinit>()V
class java/util/Calendar java/lang/Object
java/util/Calendar ERA
java/util/Calendar YEAR
java/util/Calendar MONTH
java/util/Calendar WEEK_OF_YEAR
java/util/Calendar WEEK_OF_MONTH
java/util/Calendar DATE

java/util/Calendar DAY_OF_MONTH
java/util/Calendar DAY_OF_YEAR
java/util/Calendar DAY_OF_WEEK
java/util/Calendar DAY_OF_WEEK_IN_MONTH
java/util/Calendar AM_PM
java/util/Calendar HOUR
java/util/Calendar HOUR_OF_DAY
java/util/Calendar MINUTE
java/util/Calendar SECOND
java/util/Calendar MILLISECOND
java/util/Calendar ZONE_OFFSET
java/util/Calendar
DST_OFFSET
java/util/Calendar FIELD_COUNT
java/util/Calendar SUNDAY
java/util/Calendar MONDAY
java/util/Calendar TUESDAY
java/util/Calendar WEDNESDAY
java/util/Calendar THURSDAY
java/util/Calendar FRIDAY
java/util/Calendar SATURDAY
java/util/Calendar JANUARY
java/util/Calendar FEBRUARY
java/util/Calendar MARCH
java/util/Calendar APRIL
java/util/Calendar MAY
java/util/Calendar JUNE
java/util/Calendar JULY
java/util/Calendar AUGUST
java/util/Calendar SEPTEMBER
java/util/Calendar OCTOBER
java/util/Calendar NOVEMBER
java/util/Calendar DECEMBER
java/util/Calendar UNDECIMBER
java/util/Calendar AM
java/util/Calendar PM
java/util/Calendar fields
java/util/Calendar isSet
java/util/Calendar stamp
java/util/Calendar time
java/util/Calendar isTimeSet
java/util/Calendar areFieldsSet
java/util/Calendar areAllFieldsSet
java/util/Calendar lenient
java/util/Calendar zone
java/util/Calendar sharedZone
java/util/Calendar firstDayOfWeek
java/util/Calendar minimalDaysInFirstWeek

java/util/Calendar cachedLocaleData
java/util/Calendar
 UNSET
java/util/Calendar COMPUTED
java/util/Calendar MINIMUM_USER_STAMP
java/util/Calendar ALL_FIELDS
java/util/Calendar nextStamp
java/util/Calendar currentSerialVersion
java/util/Calendar serialVersionOnStream
java/util/Calendar serialVersionUID
java/util/Calendar ERA_MASK
java/util/Calendar YEAR_MASK
java/util/Calendar MONTH_MASK
java/util/Calendar WEEK_OF_YEAR_MASK
java/util/Calendar WEEK_OF_MONTH_MASK
java/util/Calendar DAY_OF_MONTH_MASK
java/util/Calendar DATE_MASK
java/util/Calendar DAY_OF_YEAR_MASK
java/util/Calendar DAY_OF_WEEK_MASK
java/util/Calendar DAY_OF_WEEK_IN_MONTH_MASK
java/util/Calendar AM_PM_MASK
java/util/Calendar HOUR_MASK
java/util/Calendar HOUR_OF_DAY_MASK
java/util/Calendar MINUTE_MASK
java/util/Calendar SECOND_MASK
java/util/Calendar MILLISECOND_MASK
java/util/Calendar ZONE_OFFSET_MASK
java/util/Calendar DST_OFFSET_MASK
java/util/Calendar FIELD_NAME
java/util/Calendar $assertionsDisabled
java/util/Calendar <init>()V
java/util/Calendar
 <init>(Ljava/util/TimeZone;Ljava/util/Locale;)V
java/util/Calendar getInstance()Ljava/util/Calendar;
java/util/Calendar getInstance(Ljava/util/TimeZone;)Ljava/util/Calendar;
java/util/Calendar getInstance(Ljava/util/Locale;)Ljava/util/Calendar;
java/util/Calendar getInstance(Ljava/util/TimeZone;Ljava/util/Locale;)Ljava/util/Calendar;
java/util/Calendar createCalendar(Ljava/util/TimeZone;Ljava/util/Locale;)Ljava/util/Calendar;
java/util/Calendar getAvailableLocales()[Ljava/util/Locale;
java/util/Calendar computeTime()V
java/util/Calendar computeFields()V
java/util/Calendar getTime()Ljava/util/Date;
java/util/Calendar setTime(Ljava/util/Date;)V
java/util/Calendar getTimeInMillis()J
java/util/Calendar setTimeInMillis(J)V
java/util/Calendar get(I)I
java/util/Calendar internalGet(I)I
java/util/Calendar internalSet(II)V

java/util/Calendar set(II)V
java/util/Calendar set(III)V
java/util/Calendar set(IIIII)V
java/util/Calendar set(IIIIII)V
java/util/Calendar clear()V
java/util/Calendar clear(I)V
java/util/Calendar
isSet(I)Z
java/util/Calendar complete()V
java/util/Calendar isExternallySet(I)Z
java/util/Calendar getSetStateFields()I
java/util/Calendar setFieldsComputed(I)V
java/util/Calendar setFieldsNormalized(I)V
java/util/Calendar isPartiallyNormalized()Z
java/util/Calendar isFullyNormalized()Z
java/util/Calendar setUnnormalized()V
java/util/Calendar isFieldSet(II)Z
java/util/Calendar selectFields()I
java/util/Calendar aggregateStamp(II)I
java/util/Calendar equals(Ljava/lang/Object;)Z
java/util/Calendar hashCode()I
java/util/Calendar before(Ljava/lang/Object;)Z
java/util/Calendar after(Ljava/lang/Object;)Z
java/util/Calendar compareTo(Ljava/util/Calendar;)I
java/util/Calendar add(II)V
java/util/Calendar roll(IZ)V
java/util/Calendar roll(II)V
java/util/Calendar setTimeZone(Ljava/util/TimeZone;)V
java/util/Calendar getTimeZone()Ljava/util/TimeZone;
java/util/Calendar getZone()Ljava/util/TimeZone;
java/util/Calendar setZoneShared(Z)V
java/util/Calendar setLenient(Z)V
java/util/Calendar
isLenient()Z
java/util/Calendar setFirstDayOfWeek(I)V
java/util/Calendar getFirstDayOfWeek()I
java/util/Calendar setMinimalDaysInFirstWeek(I)V
java/util/Calendar getMinimalDaysInFirstWeek()I
java/util/Calendar getMinimum(I)I
java/util/Calendar getMaximum(I)I
java/util/Calendar getGreatestMinimum(I)I
java/util/Calendar getLeastMaximum(I)I
java/util/Calendar getActualMinimum(I)I
java/util/Calendar getActualMaximum(I)I
java/util/Calendar clone()Ljava/lang/Object;
java/util/Calendar getFieldName(I)Ljava/lang/String;
java/util/Calendar toString()Ljava/lang/String;
java/util/Calendar appendValue(Ljava/lang/StringBuilder;Ljava/lang/String;ZJ)V

java/util/Calendar setWeekCountData(Ljava/util/Locale;)V
java/util/Calendar updateTime()V
java/util/Calendar compareTo(J)I
java/util/Calendar getMillisOf(Ljava/util/Calendar;)J
java/util/Calendar adjustStamp()V
java/util/Calendar invalidateWeekFields()V
java/util/Calendar writeObject(Ljava/io/ObjectOutputStream;)V
java/util/Calendar readObject(Ljava/io/ObjectInputStream;)V
java/util/Calendar
compareTo(Ljava/lang/Object;)I
java/util/Calendar <clinit>()V
class java/text/DateFormat$Field java/text/Format$Field
java/text/DateFormat$Field serialVersionUID
java/text/DateFormat$Field instanceMap
java/text/DateFormat$Field calendarToFieldMapping
java/text/DateFormat$Field calendarField
java/text/DateFormat$Field ERA
java/text/DateFormat$Field YEAR
java/text/DateFormat$Field MONTH
java/text/DateFormat$Field DAY_OF_MONTH
java/text/DateFormat$Field HOUR_OF_DAY1
java/text/DateFormat$Field HOUR_OF_DAY0
java/text/DateFormat$Field MINUTE
java/text/DateFormat$Field SECOND
java/text/DateFormat$Field MILLISECOND
java/text/DateFormat$Field DAY_OF_WEEK
java/text/DateFormat$Field DAY_OF_YEAR
java/text/DateFormat$Field DAY_OF_WEEK_IN_MONTH
java/text/DateFormat$Field WEEK_OF_YEAR
java/text/DateFormat$Field WEEK_OF_MONTH
java/text/DateFormat$Field AM_PM
java/text/DateFormat$Field HOUR1
java/text/DateFormat$Field HOUR0
java/text/DateFormat$Field
TIME_ZONE
java/text/DateFormat$Field ofCalendarField(I)Ljava/text/DateFormat$Field;
java/text/DateFormat$Field <init>(Ljava/lang/String;I)V
java/text/DateFormat$Field getCalendarField()I
java/text/DateFormat$Field readResolve()Ljava/lang/Object;
java/text/DateFormat$Field <clinit>()V
class java/text/SimpleDateFormat java/text/DateFormat
java/text/SimpleDateFormat serialVersionUID
java/text/SimpleDateFormat currentSerialVersion
java/text/SimpleDateFormat serialVersionOnStream
java/text/SimpleDateFormat pattern
java/text/SimpleDateFormat compiledPattern
java/text/SimpleDateFormat TAG_QUOTE_ASCII_CHAR
java/text/SimpleDateFormat TAG_QUOTE_CHARS

java/text/SimpleDateFormat zeroDigit
java/text/SimpleDateFormat formatData
java/text/SimpleDateFormat defaultCenturyStart
java/text/SimpleDateFormat defaultCenturyStartYear
java/text/SimpleDateFormat millisPerHour
java/text/SimpleDateFormat millisPerMinute
java/text/SimpleDateFormat GMT
java/text/SimpleDateFormat cachedLocaleData
java/text/SimpleDateFormat
cachedNumberFormatData
java/text/SimpleDateFormat PATTERN_INDEX_TO_CALENDAR_FIELD
java/text/SimpleDateFormat PATTERN_INDEX_TO_DATE_FORMAT_FIELD
java/text/SimpleDateFormat PATTERN_INDEX_TO_DATE_FORMAT_FIELD_ID
java/text/SimpleDateFormat <init>()V
java/text/SimpleDateFormat <init>(Ljava/lang/String;)V
java/text/SimpleDateFormat <init>(Ljava/lang/String;Ljava/util/Locale;)V
java/text/SimpleDateFormat <init>(Ljava/lang/String;Ljava/text/DateFormatSymbols;)V
java/text/SimpleDateFormat <init>(IILjava/util/Locale;)V
java/text/SimpleDateFormat initialize(Ljava/util/Locale;)V
java/text/SimpleDateFormat compile(Ljava/lang/String;)[C
java/text/SimpleDateFormat encode(IILjava/lang/StringBuilder;)V
java/text/SimpleDateFormat initializeDefaultCentury()V
java/text/SimpleDateFormat parseAmbiguousDatesAsAfter(Ljava/util/Date;)V
java/text/SimpleDateFormat set2DigitYearStart(Ljava/util/Date;)V
java/text/SimpleDateFormat get2DigitYearStart()Ljava/util/Date;
java/text/SimpleDateFormat
format(Ljava/util/Date;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/SimpleDateFormat
format(Ljava/util/Date;Ljava/lang/StringBuffer;Ljava/text/Format$FieldDelegate;)Ljava/lang/StringBuffer;
java/text/SimpleDateFormat formatToCharacterIterator(Ljava/lang/Object;)Ljava/text/AttributedCharacterIterator;
java/text/SimpleDateFormat subFormat(IILjava/text/Format$FieldDelegate;Ljava/lang/StringBuffer;)V
java/text/SimpleDateFormat zeroPaddingNumber(IIILjava/lang/StringBuffer;)V
java/text/SimpleDateFormat parse(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/util/Date;
java/text/SimpleDateFormat matchString(Ljava/lang/String;II[Ljava/lang/String;)I
java/text/SimpleDateFormat matchZoneString(Ljava/lang/String;II)I
java/text/SimpleDateFormat matchDSTString(Ljava/lang/String;III)Z
java/text/SimpleDateFormat subParseZoneString(Ljava/lang/String;I)I
java/text/SimpleDateFormat subParse(Ljava/lang/String;IIIZ[ZLjava/text/ParsePosition;)I
java/text/SimpleDateFormat
translatePattern(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/text/SimpleDateFormat
toPattern()Ljava/lang/String;
java/text/SimpleDateFormat toLocalizedPattern()Ljava/lang/String;
java/text/SimpleDateFormat applyPattern(Ljava/lang/String;)V
java/text/SimpleDateFormat applyLocalizedPattern(Ljava/lang/String;)V
java/text/SimpleDateFormat getDateFormatSymbols()Ljava/text/DateFormatSymbols;
java/text/SimpleDateFormat setDateFormatSymbols(Ljava/text/DateFormatSymbols;)V
java/text/SimpleDateFormat clone()Ljava/lang/Object;

java/text/SimpleDateFormat hashCode()I
java/text/SimpleDateFormat equals(Ljava/lang/Object;)Z
java/text/SimpleDateFormat readObject(Ljava/io/ObjectInputStream;)V
java/text/SimpleDateFormat <clinit>()V
class java/text/DateFormat java/text/Format
java/text/DateFormat calendar
java/text/DateFormat numberFormat
java/text/DateFormat ERA_FIELD
java/text/DateFormat YEAR_FIELD
java/text/DateFormat MONTH_FIELD
java/text/DateFormat DATE_FIELD
java/text/DateFormat
HOUR_OF_DAY1_FIELD
java/text/DateFormat HOUR_OF_DAY0_FIELD
java/text/DateFormat MINUTE_FIELD
java/text/DateFormat SECOND_FIELD
java/text/DateFormat MILLISECOND_FIELD
java/text/DateFormat DAY_OF_WEEK_FIELD
java/text/DateFormat DAY_OF_YEAR_FIELD
java/text/DateFormat DAY_OF_WEEK_IN_MONTH_FIELD
java/text/DateFormat WEEK_OF_YEAR_FIELD
java/text/DateFormat WEEK_OF_MONTH_FIELD
java/text/DateFormat AM_PM_FIELD
java/text/DateFormat HOUR1_FIELD
java/text/DateFormat HOUR0_FIELD
java/text/DateFormat TIMEZONE_FIELD
java/text/DateFormat serialVersionUID
java/text/DateFormat FULL
java/text/DateFormat LONG
java/text/DateFormat MEDIUM
java/text/DateFormat SHORT
java/text/DateFormat DEFAULT
java/text/DateFormat
format(Ljava/lang/Object;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/DateFormat
format(Ljava/util/Date;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/DateFormat format(Ljava/util/Date;)Ljava/lang/String;
java/text/DateFormat
parse(Ljava/lang/String;)Ljava/util/Date;
java/text/DateFormat parse(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/util/Date;
java/text/DateFormat parseObject(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/lang/Object;
java/text/DateFormat getTimeInstance()Ljava/text/DateFormat;
java/text/DateFormat getTimeInstance(I)Ljava/text/DateFormat;
java/text/DateFormat getTimeInstance(ILjava/util/Locale;)Ljava/text/DateFormat;
java/text/DateFormat getDateInstance()Ljava/text/DateFormat;
java/text/DateFormat getDateInstance(I)Ljava/text/DateFormat;
java/text/DateFormat getDateInstance(ILjava/util/Locale;)Ljava/text/DateFormat;
java/text/DateFormat getDateTimeInstance()Ljava/text/DateFormat;

java/text/DateFormat getDateTimeInstance(II)Ljava/text/DateFormat;
java/text/DateFormat getDateTimeInstance(IILjava/util/Locale;)Ljava/text/DateFormat;
java/text/DateFormat getInstance()Ljava/text/DateFormat;
java/text/DateFormat getAvailableLocales()[Ljava/util/Locale;
java/text/DateFormat
 setCalendar(Ljava/util/Calendar;)V
java/text/DateFormat getCalendar()Ljava/util/Calendar;
java/text/DateFormat setNumberFormat(Ljava/text/NumberFormat;)V
java/text/DateFormat getNumberFormat()Ljava/text/NumberFormat;
java/text/DateFormat setTimeZone(Ljava/util/TimeZone;)V
java/text/DateFormat getTimeZone()Ljava/util/TimeZone;
java/text/DateFormat setLenient(Z)V
java/text/DateFormat isLenient()Z
java/text/DateFormat hashCode()I
java/text/DateFormat equals(Ljava/lang/Object;)Z
java/text/DateFormat clone()Ljava/lang/Object;
java/text/DateFormat get(IIILjava/util/Locale;)Ljava/text/DateFormat;
java/text/DateFormat <init>()V
class java/net/URLConnection$1 java/lang/Object
java/net/URLConnection$1 map
java/net/URLConnection$1 <init>()V
java/net/URLConnection$1 getContentTypeFor(Ljava/lang/String;)Ljava/lang/String;
class java/net/FileNameMap java/lang/Object
java/net/FileNameMap getContentTypeFor(Ljava/lang/String;)Ljava/lang/String;
class java/lang/UnsatisfiedLinkError java/lang/LinkageError
java/lang/UnsatisfiedLinkError
 <init>()V
java/lang/UnsatisfiedLinkError <init>(Ljava/lang/String;)V
class java/net/SocketTimeoutException java/io/InterruptedIOException
java/net/SocketTimeoutException <init>(Ljava/lang/String;)V
java/net/SocketTimeoutException <init>()V
class java/io/InterruptedIOException java/io/IOException
java/io/InterruptedIOException bytesTransferred
java/io/InterruptedIOException <init>()V
java/io/InterruptedIOException <init>(Ljava/lang/String;)V
class java/net/SocketImplFactory java/lang/Object
java/net/SocketImplFactory createSocketImpl()Ljava/net/SocketImpl;
class java/nio/channels/SocketChannel java/nio/channels/spi/AbstractSelectableChannel
java/nio/channels/SocketChannel <init>(Ljava/nio/channels/spi/SelectorProvider;)V
java/nio/channels/SocketChannel open()Ljava/nio/channels/SocketChannel;
java/nio/channels/SocketChannel open(Ljava/net/SocketAddress;)Ljava/nio/channels/SocketChannel;
java/nio/channels/SocketChannel validOps()I
java/nio/channels/SocketChannel
 socket()Ljava/net/Socket;
java/nio/channels/SocketChannel isConnected()Z
java/nio/channels/SocketChannel isConnectionPending()Z
java/nio/channels/SocketChannel connect(Ljava/net/SocketAddress;)Z
java/nio/channels/SocketChannel finishConnect()Z

java/nio/channels/SocketChannel read(Ljava/nio/ByteBuffer;)I
java/nio/channels/SocketChannel read([Ljava/nio/ByteBuffer;II)J
java/nio/channels/SocketChannel read([Ljava/nio/ByteBuffer;)J
java/nio/channels/SocketChannel write(Ljava/nio/ByteBuffer;)I
java/nio/channels/SocketChannel write([Ljava/nio/ByteBuffer;II)J
java/nio/channels/SocketChannel write([Ljava/nio/ByteBuffer;)J
class java/nio/channels/spi/AbstractSelectableChannel java/nio/channels/SelectableChannel
java/nio/channels/spi/AbstractSelectableChannel provider
java/nio/channels/spi/AbstractSelectableChannel keys
java/nio/channels/spi/AbstractSelectableChannel keyCount
java/nio/channels/spi/AbstractSelectableChannel keyLock
java/nio/channels/spi/AbstractSelectableChannel regLock
java/nio/channels/spi/AbstractSelectableChannel
blocking
java/nio/channels/spi/AbstractSelectableChannel <init>(Ljava/nio/channels/spi/SelectorProvider;)V
java/nio/channels/spi/AbstractSelectableChannel provider()Ljava/nio/channels/spi/SelectorProvider;
java/nio/channels/spi/AbstractSelectableChannel addKey(Ljava/nio/channels/SelectionKey;)V
java/nio/channels/spi/AbstractSelectableChannel
findKey(Ljava/nio/channels/Selector;)Ljava/nio/channels/SelectionKey;
java/nio/channels/spi/AbstractSelectableChannel removeKey(Ljava/nio/channels/SelectionKey;)V
java/nio/channels/spi/AbstractSelectableChannel haveValidKeys()Z
java/nio/channels/spi/AbstractSelectableChannel isRegistered()Z
java/nio/channels/spi/AbstractSelectableChannel
keyFor(Ljava/nio/channels/Selector;)Ljava/nio/channels/SelectionKey;
java/nio/channels/spi/AbstractSelectableChannel
register(Ljava/nio/channels/Selector;ILjava/lang/Object;)Ljava/nio/channels/SelectionKey;
java/nio/channels/spi/AbstractSelectableChannel implCloseChannel()V
java/nio/channels/spi/AbstractSelectableChannel
implCloseSelectableChannel()V
java/nio/channels/spi/AbstractSelectableChannel isBlocking()Z
java/nio/channels/spi/AbstractSelectableChannel blockingLock()Ljava/lang/Object;
java/nio/channels/spi/AbstractSelectableChannel configureBlocking(Z)Ljava/nio/channels/SelectableChannel;
java/nio/channels/spi/AbstractSelectableChannel implConfigureBlocking(Z)V
class java/nio/channels/SelectableChannel java/nio/channels/spi/AbstractInterruptibleChannel
java/nio/channels/SelectableChannel <init>()V
java/nio/channels/SelectableChannel provider()Ljava/nio/channels/spi/SelectorProvider;
java/nio/channels/SelectableChannel validOps()I
java/nio/channels/SelectableChannel isRegistered()Z
java/nio/channels/SelectableChannel keyFor(Ljava/nio/channels/Selector;)Ljava/nio/channels/SelectionKey;
java/nio/channels/SelectableChannel
register(Ljava/nio/channels/Selector;ILjava/lang/Object;)Ljava/nio/channels/SelectionKey;
java/nio/channels/SelectableChannel
register(Ljava/nio/channels/Selector;I)Ljava/nio/channels/SelectionKey;
java/nio/channels/SelectableChannel configureBlocking(Z)Ljava/nio/channels/SelectableChannel;
java/nio/channels/SelectableChannel isBlocking()Z
java/nio/channels/SelectableChannel blockingLock()Ljava/lang/Object;
class java/net/UnknownHostException java/io/IOException
java/net/UnknownHostException <init>(Ljava/lang/String;)V

java/net/UnknownHostException <init>()V
class java/io/UnsupportedEncodingException java/io/IOException
java/io/UnsupportedEncodingException <init>()V
java/io/UnsupportedEncodingException <init>(Ljava/lang/String;)V
class java/io/StringWriter java/io/Writer
java/io/StringWriter buf
java/io/StringWriter <init>()V
java/io/StringWriter <init>(I)V
java/io/StringWriter write(I)V
java/io/StringWriter write([CII)V
java/io/StringWriter write(Ljava/lang/String;)V
java/io/StringWriter write(Ljava/lang/String;II)V
java/io/StringWriter append(Ljava/lang/CharSequence;)Ljava/io/StringWriter;
java/io/StringWriter
 append(Ljava/lang/CharSequence;II)Ljava/io/StringWriter;
java/io/StringWriter append(C)Ljava/io/StringWriter;
java/io/StringWriter toString()Ljava/lang/String;
java/io/StringWriter getBuffer()Ljava/lang/StringBuffer;
java/io/StringWriter flush()V
java/io/StringWriter close()V
java/io/StringWriter append(C)Ljava/io/Writer;
java/io/StringWriter append(Ljava/lang/CharSequence;II)Ljava/io/Writer;
java/io/StringWriter append(Ljava/lang/CharSequence;)Ljava/io/Writer;
java/io/StringWriter append(C)Ljava/lang/Appendable;
java/io/StringWriter append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/io/StringWriter append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
class java/awt/LightweightDispatcher$2 java/lang/Object
java/awt/LightweightDispatcher$2 this$0
java/awt/LightweightDispatcher$2 <init>(Ljava/awt/LightweightDispatcher;)V
java/awt/LightweightDispatcher$2 run()Ljava/lang/Object;
class java/awt/Window$1DisposeAction java/lang/Object
java/awt/Window$1DisposeAction this$0
java/awt/Window$1DisposeAction
 <init>(Ljava/awt/Window;)V
java/awt/Window$1DisposeAction run()V
class java/awt/MenuBar java/awt/MenuComponent
java/awt/MenuBar menus
java/awt/MenuBar helpMenu
java/awt/MenuBar base
java/awt/MenuBar nameCounter
java/awt/MenuBar serialVersionUID
java/awt/MenuBar menuBarSerializedDataVersion
java/awt/MenuBar <init>()V
java/awt/MenuBar constructComponentName()Ljava/lang/String;
java/awt/MenuBar addNotify()V
java/awt/MenuBar removeNotify()V
java/awt/MenuBar getHelpMenu()Ljava/awt/Menu;
java/awt/MenuBar setHelpMenu(Ljava/awt/Menu;)V

java/awt/MenuBar add(Ljava/awt/Menu;)Ljava/awt/Menu;
java/awt/MenuBar remove(I)V
java/awt/MenuBar remove(Ljava/awt/MenuComponent;)V
java/awt/MenuBar getMenuCount()I
java/awt/MenuBar countMenus()I
java/awt/MenuBar getMenuCountImpl()I
java/awt/MenuBar getMenu(I)Ljava/awt/Menu;
java/awt/MenuBar getMenuImpl(I)Ljava/awt/Menu;
java/awt/MenuBar shortcuts()Ljava/util/Enumeration;
java/awt/MenuBar getShortcutMenuItem(Ljava/awt/MenuShortcut;)Ljava/awt/MenuItem;
java/awt/MenuBar
handleShortcut(Ljava/awt/event/KeyEvent;)Z
java/awt/MenuBar deleteShortcut(Ljava/awt/MenuShortcut;)V
java/awt/MenuBar writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/MenuBar readObject(Ljava/io/ObjectInputStream;)V
java/awt/MenuBar initIDs()V
java/awt/MenuBar getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/MenuBar getAccessibleChildIndex(Ljava/awt/MenuComponent;)I
java/awt/MenuBar <clinit>()V
class java/awt/event/AdjustmentEvent java/awt/AWTEvent
java/awt/event/AdjustmentEvent ADJUSTMENT_FIRST
java/awt/event/AdjustmentEvent ADJUSTMENT_LAST
java/awt/event/AdjustmentEvent ADJUSTMENT_VALUE_CHANGED
java/awt/event/AdjustmentEvent UNIT_INCREMENT
java/awt/event/AdjustmentEvent UNIT_DECREMENT
java/awt/event/AdjustmentEvent BLOCK_DECREMENT
java/awt/event/AdjustmentEvent BLOCK_INCREMENT
java/awt/event/AdjustmentEvent TRACK
java/awt/event/AdjustmentEvent adjustable
java/awt/event/AdjustmentEvent value
java/awt/event/AdjustmentEvent
adjustmentType
java/awt/event/AdjustmentEvent isAdjusting
java/awt/event/AdjustmentEvent serialVersionUID
java/awt/event/AdjustmentEvent <init>(Ljava/awt/Adjustable;III)V
java/awt/event/AdjustmentEvent <init>(Ljava/awt/Adjustable;IIIZ)V
java/awt/event/AdjustmentEvent getAdjustable()Ljava/awt/Adjustable;
java/awt/event/AdjustmentEvent getValue()I
java/awt/event/AdjustmentEvent getAdjustmentType()I
java/awt/event/AdjustmentEvent getValueIsAdjusting()Z
java/awt/event/AdjustmentEvent paramString()Ljava/lang/String;
class java/util/Hashtable$KeySet java/util/AbstractSet
java/util/Hashtable$KeySet this$0
java/util/Hashtable$KeySet <init>(Ljava/util/Hashtable;)V
java/util/Hashtable$KeySet iterator()Ljava/util/Iterator;
java/util/Hashtable$KeySet size()I
java/util/Hashtable$KeySet contains(Ljava/lang/Object;)Z
java/util/Hashtable$KeySet remove(Ljava/lang/Object;)Z

java/util/Hashtable$KeySet clear()V
java/util/Hashtable$KeySet <init>(Ljava/util/Hashtable;Ljava/util/Hashtable$1;)V
class java/applet/Applet
 java/awt/Panel
java/applet/Applet stub
java/applet/Applet serialVersionUID
java/applet/Applet accessibleContext
java/applet/Applet <init>()V
java/applet/Applet readObject(Ljava/io/ObjectInputStream;)V
java/applet/Applet setStub(Ljava/applet/AppletStub;)V
java/applet/Applet isActive()Z
java/applet/Applet getDocumentBase()Ljava/net/URL;
java/applet/Applet getCodeBase()Ljava/net/URL;
java/applet/Applet getParameter(Ljava/lang/String;)Ljava/lang/String;
java/applet/Applet getAppletContext()Ljava/applet/AppletContext;
java/applet/Applet resize(II)V
java/applet/Applet resize(Ljava/awt/Dimension;)V
java/applet/Applet showStatus(Ljava/lang/String;)V
java/applet/Applet getImage(Ljava/net/URL;)Ljava/awt/Image;
java/applet/Applet getImage(Ljava/net/URL;Ljava/lang/String;)Ljava/awt/Image;
java/applet/Applet newAudioClip(Ljava/net/URL;)Ljava/applet/AudioClip;
java/applet/Applet getAudioClip(Ljava/net/URL;)Ljava/applet/AudioClip;
java/applet/Applet getAudioClip(Ljava/net/URL;Ljava/lang/String;)Ljava/applet/AudioClip;
java/applet/Applet
 getAppletInfo()Ljava/lang/String;
java/applet/Applet getLocale()Ljava/util/Locale;
java/applet/Applet getParameterInfo()[[Ljava/lang/String;
java/applet/Applet play(Ljava/net/URL;)V
java/applet/Applet play(Ljava/net/URL;Ljava/lang/String;)V
java/applet/Applet init()V
java/applet/Applet start()V
java/applet/Applet stop()V
java/applet/Applet destroy()V
java/applet/Applet getAccessibleContext()Ljavax/accessibility/AccessibleContext;
class java/awt/Panel java/awt/Container
java/awt/Panel base
java/awt/Panel nameCounter
java/awt/Panel serialVersionUID
java/awt/Panel <init>()V
java/awt/Panel <init>(Ljava/awt/LayoutManager;)V
java/awt/Panel constructComponentName()Ljava/lang/String;
java/awt/Panel addNotify()V
java/awt/Panel getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Panel <clinit>()V
class java/util/LinkedHashMap$KeyIterator java/util/LinkedHashMap$LinkedHashIterator
java/util/LinkedHashMap$KeyIterator this$0
java/util/LinkedHashMap$KeyIterator

<init>(Ljava/util/LinkedHashMap;)V
java/util/LinkedHashMap$KeyIterator next()Ljava/lang/Object;
java/util/LinkedHashMap$KeyIterator <init>(Ljava/util/LinkedHashMap;Ljava/util/LinkedHashMap$1;)V
class java/util/LinkedHashMap$LinkedHashIterator java/lang/Object
java/util/LinkedHashMap$LinkedHashIterator nextEntry
java/util/LinkedHashMap$LinkedHashIterator lastReturned
java/util/LinkedHashMap$LinkedHashIterator expectedModCount
java/util/LinkedHashMap$LinkedHashIterator this$0
java/util/LinkedHashMap$LinkedHashIterator <init>(Ljava/util/LinkedHashMap;)V
java/util/LinkedHashMap$LinkedHashIterator hasNext()Z
java/util/LinkedHashMap$LinkedHashIterator remove()V
java/util/LinkedHashMap$LinkedHashIterator nextEntry()Ljava/util/LinkedHashMap$Entry;
java/util/LinkedHashMap$LinkedHashIterator <init>(Ljava/util/LinkedHashMap;Ljava/util/LinkedHashMap$1;)V
class java/awt/datatransfer/ClipboardOwner java/lang/Object
java/awt/datatransfer/ClipboardOwner
lostOwnership(Ljava/awt/datatransfer/Clipboard;Ljava/awt/datatransfer/Transferable;)V
class
java/awt/event/ComponentAdapter java/lang/Object
java/awt/event/ComponentAdapter <init>()V
java/awt/event/ComponentAdapter componentResized(Ljava/awt/event/ComponentEvent;)V
java/awt/event/ComponentAdapter componentMoved(Ljava/awt/event/ComponentEvent;)V
java/awt/event/ComponentAdapter componentShown(Ljava/awt/event/ComponentEvent;)V
java/awt/event/ComponentAdapter componentHidden(Ljava/awt/event/ComponentEvent;)V
class java/awt/datatransfer/Transferable java/lang/Object
java/awt/datatransfer/Transferable getTransferDataFlavors()[Ljava/awt/datatransfer/DataFlavor;
java/awt/datatransfer/Transferable isDataFlavorSupported(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/datatransfer/Transferable getTransferData(Ljava/awt/datatransfer/DataFlavor;)Ljava/lang/Object;
class java/rmi/Remote java/lang/Object
class java/lang/StringCoding$CharsetSE java/lang/StringCoding$StringEncoder
java/lang/StringCoding$CharsetSE cs
java/lang/StringCoding$CharsetSE
ce
java/lang/StringCoding$CharsetSE <init>(Ljava/nio/charset/Charset;Ljava/lang/String;)V
java/lang/StringCoding$CharsetSE charsetName()Ljava/lang/String;
java/lang/StringCoding$CharsetSE encode([CII)[B
java/lang/StringCoding$CharsetSE
<init>(Ljava/nio/charset/Charset;Ljava/lang/String;Ljava/lang/StringCoding$1;)V
class java/lang/StringCoding$StringEncoder java/lang/Object
java/lang/StringCoding$StringEncoder requestedCharsetName
java/lang/StringCoding$StringEncoder <init>(Ljava/lang/String;)V
java/lang/StringCoding$StringEncoder requestedCharsetName()Ljava/lang/String;
java/lang/StringCoding$StringEncoder charsetName()Ljava/lang/String;
java/lang/StringCoding$StringEncoder encode([CII)[B
class java/awt/datatransfer/DataFlavor$1 java/lang/Object
java/awt/datatransfer/DataFlavor$1 <init>()V
java/awt/datatransfer/DataFlavor$1 run()Ljava/lang/Object;
class java/awt/datatransfer/DataFlavor java/lang/Object
java/awt/datatransfer/DataFlavor serialVersionUID

java/awt/datatransfer/DataFlavor
ioInputStreamClass
java/awt/datatransfer/DataFlavor stringFlavor
java/awt/datatransfer/DataFlavor imageFlavor
java/awt/datatransfer/DataFlavor plainTextFlavor
java/awt/datatransfer/DataFlavor javaSerializedObjectMimeType
java/awt/datatransfer/DataFlavor javaFileListFlavor
java/awt/datatransfer/DataFlavor javaJVMLocalObjectMimeType
java/awt/datatransfer/DataFlavor javaRemoteObjectMimeType
java/awt/datatransfer/DataFlavor textFlavorComparator
java/awt/datatransfer/DataFlavor atom
java/awt/datatransfer/DataFlavor mimeType
java/awt/datatransfer/DataFlavor humanPresentableName
java/awt/datatransfer/DataFlavor representationClass
java/awt/datatransfer/DataFlavor tryToLoadClass(Ljava/lang/String;Ljava/lang/ClassLoader;)Ljava/lang/Class;
java/awt/datatransfer/DataFlavor
createConstant(Ljava/lang/Class;Ljava/lang/String;)Ljava/awt/datatransfer/DataFlavor;
java/awt/datatransfer/DataFlavor
createConstant(Ljava/lang/String;Ljava/lang/String;)Ljava/awt/datatransfer/DataFlavor;
java/awt/datatransfer/DataFlavor
<init>()V
java/awt/datatransfer/DataFlavor
<init>(Ljava/lang/String;Ljava/lang/String;Ljava/awt/datatransfer/MimeTypeParameterList;Ljava/lang/Class;Ljava/lang/String;)V
java/awt/datatransfer/DataFlavor <init>(Ljava/lang/Class;Ljava/lang/String;)V
java/awt/datatransfer/DataFlavor <init>(Ljava/lang/String;Ljava/lang/String;)V
java/awt/datatransfer/DataFlavor <init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/ClassLoader;)V
java/awt/datatransfer/DataFlavor <init>(Ljava/lang/String;)V
java/awt/datatransfer/DataFlavor initialize(Ljava/lang/String;Ljava/lang/String;Ljava/lang/ClassLoader;)V
java/awt/datatransfer/DataFlavor toString()Ljava/lang/String;
java/awt/datatransfer/DataFlavor paramString()Ljava/lang/String;
java/awt/datatransfer/DataFlavor getTextPlainUnicodeFlavor()Ljava/awt/datatransfer/DataFlavor;
java/awt/datatransfer/DataFlavor
selectBestTextFlavor([Ljava/awt/datatransfer/DataFlavor;)Ljava/awt/datatransfer/DataFlavor;
java/awt/datatransfer/DataFlavor
getReaderForText(Ljava/awt/datatransfer/Transferable;)Ljava/io/Reader;
java/awt/datatransfer/DataFlavor getMimeType()Ljava/lang/String;
java/awt/datatransfer/DataFlavor getRepresentationClass()Ljava/lang/Class;
java/awt/datatransfer/DataFlavor getHumanPresentableName()Ljava/lang/String;
java/awt/datatransfer/DataFlavor getPrimaryType()Ljava/lang/String;
java/awt/datatransfer/DataFlavor getSubType()Ljava/lang/String;
java/awt/datatransfer/DataFlavor getParameter(Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/DataFlavor setHumanPresentableName(Ljava/lang/String;)V
java/awt/datatransfer/DataFlavor equals(Ljava/lang/Object;)Z
java/awt/datatransfer/DataFlavor equals(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/datatransfer/DataFlavor equals(Ljava/lang/String;)Z
java/awt/datatransfer/DataFlavor hashCode()I
java/awt/datatransfer/DataFlavor match(Ljava/awt/datatransfer/DataFlavor;)Z

java/awt/datatransfer/DataFlavor isMimeTypeEqual(Ljava/lang/String;)Z
java/awt/datatransfer/DataFlavor
isMimeTypeEqual(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/datatransfer/DataFlavor isMimeTypeEqual(Ljava/awt/datatransfer/MimeType;)Z
java/awt/datatransfer/DataFlavor isMimeTypeSerializedObject()Z
java/awt/datatransfer/DataFlavor getDefaultRepresentationClass()Ljava/lang/Class;
java/awt/datatransfer/DataFlavor getDefaultRepresentationClassAsString()Ljava/lang/String;
java/awt/datatransfer/DataFlavor isRepresentationClassInputStream()Z
java/awt/datatransfer/DataFlavor isRepresentationClassReader()Z
java/awt/datatransfer/DataFlavor isRepresentationClassCharBuffer()Z
java/awt/datatransfer/DataFlavor isRepresentationClassByteBuffer()Z
java/awt/datatransfer/DataFlavor isRepresentationClassSerializable()Z
java/awt/datatransfer/DataFlavor isRepresentationClassRemote()Z
java/awt/datatransfer/DataFlavor isFlavorSerializedObjectType()Z
java/awt/datatransfer/DataFlavor isFlavorRemoteObjectType()Z
java/awt/datatransfer/DataFlavor isFlavorJavaFileListType()Z
java/awt/datatransfer/DataFlavor
isFlavorTextType()Z
java/awt/datatransfer/DataFlavor writeExternal(Ljava/io/ObjectOutput;)V
java/awt/datatransfer/DataFlavor readExternal(Ljava/io/ObjectInput;)V
java/awt/datatransfer/DataFlavor clone()Ljava/lang/Object;
java/awt/datatransfer/DataFlavor
normalizeMimeTypeParameter(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/DataFlavor normalizeMimeType(Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/DataFlavor <clinit>()V
class java/awt/datatransfer/MimeTypeParameterList java/lang/Object
java/awt/datatransfer/MimeTypeParameterList parameters
java/awt/datatransfer/MimeTypeParameterList TSPECIALS
java/awt/datatransfer/MimeTypeParameterList <init>()V
java/awt/datatransfer/MimeTypeParameterList <init>(Ljava/lang/String;)V
java/awt/datatransfer/MimeTypeParameterList hashCode()I
java/awt/datatransfer/MimeTypeParameterList equals(Ljava/lang/Object;)Z
java/awt/datatransfer/MimeTypeParameterList parse(Ljava/lang/String;)V
java/awt/datatransfer/MimeTypeParameterList
size()I
java/awt/datatransfer/MimeTypeParameterList isEmpty()Z
java/awt/datatransfer/MimeTypeParameterList get(Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/MimeTypeParameterList set(Ljava/lang/String;Ljava/lang/String;)V
java/awt/datatransfer/MimeTypeParameterList remove(Ljava/lang/String;)V
java/awt/datatransfer/MimeTypeParameterList getNames()Ljava/util/Enumeration;
java/awt/datatransfer/MimeTypeParameterList toString()Ljava/lang/String;
java/awt/datatransfer/MimeTypeParameterList clone()Ljava/lang/Object;
java/awt/datatransfer/MimeTypeParameterList isTokenChar(C)Z
java/awt/datatransfer/MimeTypeParameterList skipWhiteSpace(Ljava/lang/String;I)I
java/awt/datatransfer/MimeTypeParameterList quote(Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/MimeTypeParameterList unquote(Ljava/lang/String;)Ljava/lang/String;
class java/awt/datatransfer/MimeType java/lang/Object
java/awt/datatransfer/MimeType serialVersionUID

java/awt/datatransfer/MimeType
primaryType
java/awt/datatransfer/MimeType subType
java/awt/datatransfer/MimeType parameters
java/awt/datatransfer/MimeType TSPECIALS
java/awt/datatransfer/MimeType <init>()V
java/awt/datatransfer/MimeType <init>(Ljava/lang/String;)V
java/awt/datatransfer/MimeType <init>(Ljava/lang/String;Ljava/lang/String;)V
java/awt/datatransfer/MimeType
<init>(Ljava/lang/String;Ljava/lang/String;Ljava/awt/datatransfer/MimeTypeParameterList;)V
java/awt/datatransfer/MimeType hashCode()I
java/awt/datatransfer/MimeType equals(Ljava/lang/Object;)Z
java/awt/datatransfer/MimeType parse(Ljava/lang/String;)V
java/awt/datatransfer/MimeType getPrimaryType()Ljava/lang/String;
java/awt/datatransfer/MimeType getSubType()Ljava/lang/String;
java/awt/datatransfer/MimeType getParameters()Ljava/awt/datatransfer/MimeTypeParameterList;
java/awt/datatransfer/MimeType getParameter(Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/MimeType setParameter(Ljava/lang/String;Ljava/lang/String;)V
java/awt/datatransfer/MimeType
removeParameter(Ljava/lang/String;)V
java/awt/datatransfer/MimeType toString()Ljava/lang/String;
java/awt/datatransfer/MimeType getBaseType()Ljava/lang/String;
java/awt/datatransfer/MimeType match(Ljava/awt/datatransfer/MimeType;)Z
java/awt/datatransfer/MimeType match(Ljava/lang/String;)Z
java/awt/datatransfer/MimeType writeExternal(Ljava/io/ObjectOutput;)V
java/awt/datatransfer/MimeType readExternal(Ljava/io/ObjectInput;)V
java/awt/datatransfer/MimeType clone()Ljava/lang/Object;
java/awt/datatransfer/MimeType isTokenChar(C)Z
java/awt/datatransfer/MimeType isValidToken(Ljava/lang/String;)Z
class java/io/Externalizable java/lang/Object
java/io/Externalizable writeExternal(Ljava/io/ObjectOutput;)V
java/io/Externalizable readExternal(Ljava/io/ObjectInput;)V
class java/awt/datatransfer/SystemFlavorMap$2 java/lang/Object
java/awt/datatransfer/SystemFlavorMap$2 this$0
java/awt/datatransfer/SystemFlavorMap$2 <init>(Ljava/awt/datatransfer/SystemFlavorMap;)V
java/awt/datatransfer/SystemFlavorMap$2
run()Ljava/lang/Object;
class java/awt/datatransfer/SystemFlavorMap$1 java/lang/Object
java/awt/datatransfer/SystemFlavorMap$1 this$0
java/awt/datatransfer/SystemFlavorMap$1 <init>(Ljava/awt/datatransfer/SystemFlavorMap;)V
java/awt/datatransfer/SystemFlavorMap$1 run()Ljava/lang/Object;
class java/awt/datatransfer/SystemFlavorMap java/lang/Object
java/awt/datatransfer/SystemFlavorMap JavaMIME
java/awt/datatransfer/SystemFlavorMap flavorMaps
java/awt/datatransfer/SystemFlavorMap keyValueSeparators
java/awt/datatransfer/SystemFlavorMap strictKeyValueSeparators
java/awt/datatransfer/SystemFlavorMap whiteSpaceChars
java/awt/datatransfer/SystemFlavorMap UNICODE_TEXT_CLASSES

java/awt/datatransfer/SystemFlavorMap ENCODED_TEXT_CLASSES
java/awt/datatransfer/SystemFlavorMap TEXT_PLAIN_BASE_TYPE
java/awt/datatransfer/SystemFlavorMap SYNTHESIZE_IF_NOT_FOUND
java/awt/datatransfer/SystemFlavorMap nativeToFlavor
java/awt/datatransfer/SystemFlavorMap flavorToNative
java/awt/datatransfer/SystemFlavorMap
getNativesForFlavorCache
java/awt/datatransfer/SystemFlavorMap getFlavorsForNativeCache
java/awt/datatransfer/SystemFlavorMap disabledMappingGenerationKeys
java/awt/datatransfer/SystemFlavorMap $assertionsDisabled
java/awt/datatransfer/SystemFlavorMap getDefaultFlavorMap()Ljava/awt/datatransfer/FlavorMap;
java/awt/datatransfer/SystemFlavorMap <init>()V
java/awt/datatransfer/SystemFlavorMap parseAndStoreReader(Ljava/io/BufferedReader;)V
java/awt/datatransfer/SystemFlavorMap continueLine(Ljava/lang/String;)Z
java/awt/datatransfer/SystemFlavorMap loadConvert(Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/SystemFlavorMap store(Ljava/lang/Object;Ljava/lang/Object;Ljava/util/Map;)V
java/awt/datatransfer/SystemFlavorMap nativeToFlavorLookup(Ljava/lang/String;)Ljava/util/List;
java/awt/datatransfer/SystemFlavorMap
flavorToNativeLookup(Ljava/awt/datatransfer/DataFlavor;Z)Ljava/util/List;
java/awt/datatransfer/SystemFlavorMap getNativesForFlavor(Ljava/awt/datatransfer/DataFlavor;)Ljava/util/List;
java/awt/datatransfer/SystemFlavorMap
getFlavorsForNative(Ljava/lang/String;)Ljava/util/List;
java/awt/datatransfer/SystemFlavorMap getNativesForFlavors([Ljava/awt/datatransfer/DataFlavor;)Ljava/util/Map;
java/awt/datatransfer/SystemFlavorMap getFlavorsForNatives([Ljava/lang/String;)Ljava/util/Map;
java/awt/datatransfer/SystemFlavorMap
addUnencodedNativeForFlavor(Ljava/awt/datatransfer/DataFlavor;Ljava/lang/String;)V
java/awt/datatransfer/SystemFlavorMap
setNativesForFlavor(Ljava/awt/datatransfer/DataFlavor;[Ljava/lang/String;)V
java/awt/datatransfer/SystemFlavorMap
addFlavorForUnencodedNative(Ljava/lang/String;Ljava/awt/datatransfer/DataFlavor;)V
java/awt/datatransfer/SystemFlavorMap
setFlavorsForNative(Ljava/lang/String;[Ljava/awt/datatransfer/DataFlavor;)V
java/awt/datatransfer/SystemFlavorMap encodeJavaMIMEType(Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/SystemFlavorMap encodeDataFlavor(Ljava/awt/datatransfer/DataFlavor;)Ljava/lang/String;
java/awt/datatransfer/SystemFlavorMap
isJavaMIMEType(Ljava/lang/String;)Z
java/awt/datatransfer/SystemFlavorMap decodeJavaMIMEType(Ljava/lang/String;)Ljava/lang/String;
java/awt/datatransfer/SystemFlavorMap decodeDataFlavor(Ljava/lang/String;)Ljava/awt/datatransfer/DataFlavor;
java/awt/datatransfer/SystemFlavorMap <clinit>()V
class java/awt/datatransfer/FlavorTable java/lang/Object
java/awt/datatransfer/FlavorTable getNativesForFlavor(Ljava/awt/datatransfer/DataFlavor;)Ljava/util/List;
java/awt/datatransfer/FlavorTable getFlavorsForNative(Ljava/lang/String;)Ljava/util/List;
class java/awt/datatransfer/FlavorMap java/lang/Object
java/awt/datatransfer/FlavorMap getNativesForFlavors([Ljava/awt/datatransfer/DataFlavor;)Ljava/util/Map;
java/awt/datatransfer/FlavorMap getFlavorsForNatives([Ljava/lang/String;)Ljava/util/Map;
class java/awt/dnd/DropTargetContext java/lang/Object
java/awt/dnd/DropTargetContext serialVersionUID
java/awt/dnd/DropTargetContext dropTarget

java/awt/dnd/DropTargetContext
dropTargetContextPeer
java/awt/dnd/DropTargetContext transferable
java/awt/dnd/DropTargetContext <init>(Ljava/awt/dnd/DropTarget;)V
java/awt/dnd/DropTargetContext getDropTarget()Ljava/awt/dnd/DropTarget;
java/awt/dnd/DropTargetContext getComponent()Ljava/awt/Component;
java/awt/dnd/DropTargetContext addNotify(Ljava/awt/dnd/peer/DropTargetContextPeer;)V
java/awt/dnd/DropTargetContext removeNotify()V
java/awt/dnd/DropTargetContext setTargetActions(I)V
java/awt/dnd/DropTargetContext getTargetActions()I
java/awt/dnd/DropTargetContext dropComplete(Z)V
java/awt/dnd/DropTargetContext acceptDrag(I)V
java/awt/dnd/DropTargetContext rejectDrag()V
java/awt/dnd/DropTargetContext acceptDrop(I)V
java/awt/dnd/DropTargetContext rejectDrop()V
java/awt/dnd/DropTargetContext getCurrentDataFlavors()[Ljava/awt/datatransfer/DataFlavor;
java/awt/dnd/DropTargetContext getCurrentDataFlavorsAsList()Ljava/util/List;
java/awt/dnd/DropTargetContext isDataFlavorSupported(Ljava/awt/datatransfer/DataFlavor;)Z
java/awt/dnd/DropTargetContext
getTransferable()Ljava/awt/datatransfer/Transferable;
java/awt/dnd/DropTargetContext getDropTargetContextPeer()Ljava/awt/dnd/peer/DropTargetContextPeer;
java/awt/dnd/DropTargetContext
createTransferableProxy(Ljava/awt/datatransfer/Transferable;Z)Ljava/awt/datatransfer/Transferable;
class java/awt/font/LineMetrics java/lang/Object
java/awt/font/LineMetrics <init>()V
java/awt/font/LineMetrics getNumChars()I
java/awt/font/LineMetrics getAscent()F
java/awt/font/LineMetrics getDescent()F
java/awt/font/LineMetrics getLeading()F
java/awt/font/LineMetrics getHeight()F
java/awt/font/LineMetrics getBaselineIndex()I
java/awt/font/LineMetrics getBaselineOffsets()[F
java/awt/font/LineMetrics getStrikethroughOffset()F
java/awt/font/LineMetrics getStrikethroughThickness()F
java/awt/font/LineMetrics getUnderlineOffset()F
java/awt/font/LineMetrics getUnderlineThickness()F
class java/awt/font/GlyphVector java/lang/Object
java/awt/font/GlyphVector FLAG_HAS_TRANSFORMS
java/awt/font/GlyphVector
FLAG_HAS_POSITION_ADJUSTMENTS
java/awt/font/GlyphVector FLAG_RUN_RTL
java/awt/font/GlyphVector FLAG_COMPLEX_GLYPHS
java/awt/font/GlyphVector FLAG_MASK
java/awt/font/GlyphVector <init>()V
java/awt/font/GlyphVector getFont()Ljava/awt/Font;
java/awt/font/GlyphVector getFontRenderContext()Ljava/awt/font/FontRenderContext;
java/awt/font/GlyphVector performDefaultLayout()V
java/awt/font/GlyphVector getNumGlyphs()I

java/awt/font/GlyphVector getGlyphCode(I)I
java/awt/font/GlyphVector getGlyphCodes(II[I)[I
java/awt/font/GlyphVector getGlyphCharIndex(I)I
java/awt/font/GlyphVector getGlyphCharIndices(II[I)[I
java/awt/font/GlyphVector getLogicalBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/GlyphVector getVisualBounds()Ljava/awt/geom/Rectangle2D;
java/awt/font/GlyphVector getPixelBounds(Ljava/awt/font/FontRenderContext;FF)Ljava/awt/Rectangle;
java/awt/font/GlyphVector getOutline()Ljava/awt/Shape;
java/awt/font/GlyphVector getOutline(FF)Ljava/awt/Shape;
java/awt/font/GlyphVector
getGlyphOutline(I)Ljava/awt/Shape;
java/awt/font/GlyphVector getGlyphOutline(IFF)Ljava/awt/Shape;
java/awt/font/GlyphVector getGlyphPosition(I)Ljava/awt/geom/Point2D;
java/awt/font/GlyphVector setGlyphPosition(ILjava/awt/geom/Point2D;)V
java/awt/font/GlyphVector getGlyphTransform(I)Ljava/awt/geom/AffineTransform;
java/awt/font/GlyphVector setGlyphTransform(ILjava/awt/geom/AffineTransform;)V
java/awt/font/GlyphVector getLayoutFlags()I
java/awt/font/GlyphVector getGlyphPositions(II[F)[F
java/awt/font/GlyphVector getGlyphLogicalBounds(I)Ljava/awt/Shape;
java/awt/font/GlyphVector getGlyphVisualBounds(I)Ljava/awt/Shape;
java/awt/font/GlyphVector getGlyphPixelBounds(ILjava/awt/font/FontRenderContext;FF)Ljava/awt/Rectangle;
java/awt/font/GlyphVector getGlyphMetrics(I)Ljava/awt/font/GlyphMetrics;
java/awt/font/GlyphVector getGlyphJustificationInfo(I)Ljava/awt/font/GlyphJustificationInfo;
java/awt/font/GlyphVector equals(Ljava/awt/font/GlyphVector;)Z
class java/util/HashMap$EntryIterator
java/util/HashMap$HashIterator
java/util/HashMap$EntryIterator this$0
java/util/HashMap$EntryIterator <init>(Ljava/util/HashMap;)V
java/util/HashMap$EntryIterator next()Ljava/util/Map$Entry;
java/util/HashMap$EntryIterator next()Ljava/lang/Object;
java/util/HashMap$EntryIterator <init>(Ljava/util/HashMap;Ljava/util/HashMap$1;)V
class java/util/HashMap$EntrySet java/util/AbstractSet
java/util/HashMap$EntrySet this$0
java/util/HashMap$EntrySet <init>(Ljava/util/HashMap;)V
java/util/HashMap$EntrySet iterator()Ljava/util/Iterator;
java/util/HashMap$EntrySet contains(Ljava/lang/Object;)Z
java/util/HashMap$EntrySet remove(Ljava/lang/Object;)Z
java/util/HashMap$EntrySet size()I
java/util/HashMap$EntrySet clear()V
java/util/HashMap$EntrySet <init>(Ljava/util/HashMap;Ljava/util/HashMap$1;)V
class java/awt/RenderingHints$Key java/lang/Object
java/awt/RenderingHints$Key identitymap
java/awt/RenderingHints$Key privatekey
java/awt/RenderingHints$Key getIdentity()Ljava/lang/String;
java/awt/RenderingHints$Key
recordIdentity(Ljava/awt/RenderingHints$Key;)V
java/awt/RenderingHints$Key <init>(I)V
java/awt/RenderingHints$Key isCompatibleValue(Ljava/lang/Object;)Z

java/awt/RenderingHints$Key intKey()I
java/awt/RenderingHints$Key hashCode()I
java/awt/RenderingHints$Key equals(Ljava/lang/Object;)Z
java/awt/RenderingHints$Key <clinit>()V
class java/awt/RenderingHints java/lang/Object
java/awt/RenderingHints hintmap
java/awt/RenderingHints KEY_ANTIALIASING
java/awt/RenderingHints VALUE_ANTIALIAS_ON
java/awt/RenderingHints VALUE_ANTIALIAS_OFF
java/awt/RenderingHints VALUE_ANTIALIAS_DEFAULT
java/awt/RenderingHints KEY_RENDERING
java/awt/RenderingHints VALUE_RENDER_SPEED
java/awt/RenderingHints VALUE_RENDER_QUALITY
java/awt/RenderingHints VALUE_RENDER_DEFAULT
java/awt/RenderingHints KEY_DITHERING
java/awt/RenderingHints VALUE_DITHER_DISABLE
java/awt/RenderingHints VALUE_DITHER_ENABLE
java/awt/RenderingHints VALUE_DITHER_DEFAULT
java/awt/RenderingHints KEY_TEXT_ANTIALIASING
java/awt/RenderingHints
VALUE_TEXT_ANTIALIAS_ON
java/awt/RenderingHints VALUE_TEXT_ANTIALIAS_OFF
java/awt/RenderingHints VALUE_TEXT_ANTIALIAS_DEFAULT
java/awt/RenderingHints KEY_FRACTIONALMETRICS
java/awt/RenderingHints VALUE_FRACTIONALMETRICS_OFF
java/awt/RenderingHints VALUE_FRACTIONALMETRICS_ON
java/awt/RenderingHints VALUE_FRACTIONALMETRICS_DEFAULT
java/awt/RenderingHints KEY_INTERPOLATION
java/awt/RenderingHints VALUE_INTERPOLATION_NEAREST_NEIGHBOR
java/awt/RenderingHints VALUE_INTERPOLATION_BILINEAR
java/awt/RenderingHints VALUE_INTERPOLATION_BICUBIC
java/awt/RenderingHints KEY_ALPHA_INTERPOLATION
java/awt/RenderingHints VALUE_ALPHA_INTERPOLATION_SPEED
java/awt/RenderingHints VALUE_ALPHA_INTERPOLATION_QUALITY
java/awt/RenderingHints VALUE_ALPHA_INTERPOLATION_DEFAULT
java/awt/RenderingHints KEY_COLOR_RENDERING
java/awt/RenderingHints VALUE_COLOR_RENDER_SPEED
java/awt/RenderingHints VALUE_COLOR_RENDER_QUALITY
java/awt/RenderingHints VALUE_COLOR_RENDER_DEFAULT
java/awt/RenderingHints KEY_STROKE_CONTROL
java/awt/RenderingHints
VALUE_STROKE_DEFAULT
java/awt/RenderingHints VALUE_STROKE_NORMALIZE
java/awt/RenderingHints VALUE_STROKE_PURE
java/awt/RenderingHints <init>(Ljava/util/Map;)V
java/awt/RenderingHints <init>(Ljava/awt/RenderingHints$Key;Ljava/lang/Object;)V
java/awt/RenderingHints size()I
java/awt/RenderingHints isEmpty()Z

java/awt/RenderingHints containsKey(Ljava/lang/Object;)Z
java/awt/RenderingHints containsValue(Ljava/lang/Object;)Z
java/awt/RenderingHints get(Ljava/lang/Object;)Ljava/lang/Object;
java/awt/RenderingHints put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/awt/RenderingHints add(Ljava/awt/RenderingHints;)V
java/awt/RenderingHints clear()V
java/awt/RenderingHints remove(Ljava/lang/Object;)Ljava/lang/Object;
java/awt/RenderingHints putAll(Ljava/util/Map;)V
java/awt/RenderingHints keySet()Ljava/util/Set;
java/awt/RenderingHints values()Ljava/util/Collection;
java/awt/RenderingHints entrySet()Ljava/util/Set;
java/awt/RenderingHints equals(Ljava/lang/Object;)Z
java/awt/RenderingHints
 hashCode()I
java/awt/RenderingHints clone()Ljava/lang/Object;
java/awt/RenderingHints toString()Ljava/lang/String;
java/awt/RenderingHints <clinit>()V
class java/awt/Adjustable java/lang/Object
java/awt/Adjustable HORIZONTAL
java/awt/Adjustable VERTICAL
java/awt/Adjustable NO_ORIENTATION
java/awt/Adjustable getOrientation()I
java/awt/Adjustable setMinimum(I)V
java/awt/Adjustable getMinimum()I
java/awt/Adjustable setMaximum(I)V
java/awt/Adjustable getMaximum()I
java/awt/Adjustable setUnitIncrement(I)V
java/awt/Adjustable getUnitIncrement()I
java/awt/Adjustable setBlockIncrement(I)V
java/awt/Adjustable getBlockIncrement()I
java/awt/Adjustable setVisibleAmount(I)V
java/awt/Adjustable getVisibleAmount()I
java/awt/Adjustable setValue(I)V
java/awt/Adjustable getValue()I
java/awt/Adjustable addAdjustmentListener(Ljava/awt/event/AdjustmentListener;)V
java/awt/Adjustable removeAdjustmentListener(Ljava/awt/event/AdjustmentListener;)V
class java/awt/event/WindowAdapter
 java/lang/Object
java/awt/event/WindowAdapter <init>()V
java/awt/event/WindowAdapter windowOpened(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowAdapter windowClosing(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowAdapter windowClosed(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowAdapter windowIconified(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowAdapter windowDeiconified(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowAdapter windowActivated(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowAdapter windowDeactivated(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowAdapter windowStateChanged(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowAdapter windowGainedFocus(Ljava/awt/event/WindowEvent;)V

java/awt/event/WindowAdapter windowLostFocus(Ljava/awt/event/WindowEvent;)V
class java/awt/event/FocusAdapter java/lang/Object
java/awt/event/FocusAdapter <init>()V
java/awt/event/FocusAdapter focusGained(Ljava/awt/event/FocusEvent;)V
java/awt/event/FocusAdapter
focusLost(Ljava/awt/event/FocusEvent;)V
class java/awt/Toolkit$ToolkitEventMulticaster java/awt/AWTEventMulticaster
java/awt/Toolkit$ToolkitEventMulticaster
<init>(Ljava/awt/event/AWTEventListener;Ljava/awt/event/AWTEventListener;)V
java/awt/Toolkit$ToolkitEventMulticaster
add(Ljava/awt/event/AWTEventListener;Ljava/awt/event/AWTEventListener;)Ljava/awt/event/AWTEventListener;
java/awt/Toolkit$ToolkitEventMulticaster
remove(Ljava/awt/event/AWTEventListener;Ljava/awt/event/AWTEventListener;)Ljava/awt/event/AWTEventListe
ner;
java/awt/Toolkit$ToolkitEventMulticaster remove(Ljava/util/EventListener;)Ljava/util/EventListener;
java/awt/Toolkit$ToolkitEventMulticaster eventDispatched(Ljava/awt/AWTEvent;)V
class java/awt/Toolkit$SelectiveAWTEventListener java/lang/Object
java/awt/Toolkit$SelectiveAWTEventListener listener
java/awt/Toolkit$SelectiveAWTEventListener eventMask
java/awt/Toolkit$SelectiveAWTEventListener calls
java/awt/Toolkit$SelectiveAWTEventListener this$0
java/awt/Toolkit$SelectiveAWTEventListener
getListener()Ljava/awt/event/AWTEventListener;
java/awt/Toolkit$SelectiveAWTEventListener getEventMask()J
java/awt/Toolkit$SelectiveAWTEventListener getCalls()[I
java/awt/Toolkit$SelectiveAWTEventListener orEventMasks(J)V
java/awt/Toolkit$SelectiveAWTEventListener <init>(Ljava/awt/Toolkit;Ljava/awt/event/AWTEventListener;J)V
java/awt/Toolkit$SelectiveAWTEventListener eventDispatched(Ljava/awt/AWTEvent;)V
class java/awt/event/AWTEventListenerProxy java/util/EventListenerProxy
java/awt/event/AWTEventListenerProxy eventMask
java/awt/event/AWTEventListenerProxy <init>(JLjava/awt/event/AWTEventListener;)V
java/awt/event/AWTEventListenerProxy eventDispatched(Ljava/awt/AWTEvent;)V
java/awt/event/AWTEventListenerProxy getEventMask()J
class java/awt/Container$AccessibleAWTContainer java/awt/Component$AccessibleAWTComponent
java/awt/Container$AccessibleAWTContainer serialVersionUID
java/awt/Container$AccessibleAWTContainer accessibleContainerHandler
java/awt/Container$AccessibleAWTContainer
this$0
java/awt/Container$AccessibleAWTContainer <init>(Ljava/awt/Container;)V
java/awt/Container$AccessibleAWTContainer getAccessibleChildrenCount()I
java/awt/Container$AccessibleAWTContainer getAccessibleChild(I)Ljavax/accessibility/Accessible;
java/awt/Container$AccessibleAWTContainer getAccessibleAt(Ljava/awt/Point;)Ljavax/accessibility/Accessible;
java/awt/Container$AccessibleAWTContainer addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
class java/awt/Component$AccessibleAWTComponent javax/accessibility/AccessibleContext
java/awt/Component$AccessibleAWTComponent serialVersionUID
java/awt/Component$AccessibleAWTComponent accessibleAWTComponentHandler
java/awt/Component$AccessibleAWTComponent accessibleAWTFocusHandler
java/awt/Component$AccessibleAWTComponent this$0

java/awt/Component$AccessibleAWTComponent <init>(Ljava/awt/Component;)V
java/awt/Component$AccessibleAWTComponent
addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/awt/Component$AccessibleAWTComponent
removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/awt/Component$AccessibleAWTComponent getAccessibleName()Ljava/lang/String;
java/awt/Component$AccessibleAWTComponent getAccessibleDescription()Ljava/lang/String;
java/awt/Component$AccessibleAWTComponent getAccessibleRole()Ljavax/accessibility/AccessibleRole;
java/awt/Component$AccessibleAWTComponent getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
java/awt/Component$AccessibleAWTComponent getAccessibleParent()Ljavax/accessibility/Accessible;
java/awt/Component$AccessibleAWTComponent getAccessibleIndexInParent()I
java/awt/Component$AccessibleAWTComponent getAccessibleChildrenCount()I
java/awt/Component$AccessibleAWTComponent getAccessibleChild(I)Ljavax/accessibility/Accessible;
java/awt/Component$AccessibleAWTComponent getLocale()Ljava/util/Locale;
java/awt/Component$AccessibleAWTComponent
getAccessibleComponent()Ljavax/accessibility/AccessibleComponent;
java/awt/Component$AccessibleAWTComponent
getBackground()Ljava/awt/Color;
java/awt/Component$AccessibleAWTComponent setBackground(Ljava/awt/Color;)V
java/awt/Component$AccessibleAWTComponent getForeground()Ljava/awt/Color;
java/awt/Component$AccessibleAWTComponent setForeground(Ljava/awt/Color;)V
java/awt/Component$AccessibleAWTComponent getCursor()Ljava/awt/Cursor;
java/awt/Component$AccessibleAWTComponent setCursor(Ljava/awt/Cursor;)V
java/awt/Component$AccessibleAWTComponent getFont()Ljava/awt/Font;
java/awt/Component$AccessibleAWTComponent setFont(Ljava/awt/Font;)V
java/awt/Component$AccessibleAWTComponent getFontMetrics(Ljava/awt/Font;)Ljava/awt/FontMetrics;
java/awt/Component$AccessibleAWTComponent isEnabled()Z
java/awt/Component$AccessibleAWTComponent setEnabled(Z)V
java/awt/Component$AccessibleAWTComponent isVisible()Z
java/awt/Component$AccessibleAWTComponent setVisible(Z)V
java/awt/Component$AccessibleAWTComponent isShowing()Z
java/awt/Component$AccessibleAWTComponent
contains(Ljava/awt/Point;)Z
java/awt/Component$AccessibleAWTComponent getLocationOnScreen()Ljava/awt/Point;
java/awt/Component$AccessibleAWTComponent getLocation()Ljava/awt/Point;
java/awt/Component$AccessibleAWTComponent setLocation(Ljava/awt/Point;)V
java/awt/Component$AccessibleAWTComponent getBounds()Ljava/awt/Rectangle;
java/awt/Component$AccessibleAWTComponent setBounds(Ljava/awt/Rectangle;)V
java/awt/Component$AccessibleAWTComponent getSize()Ljava/awt/Dimension;
java/awt/Component$AccessibleAWTComponent setSize(Ljava/awt/Dimension;)V
java/awt/Component$AccessibleAWTComponent
getAccessibleAt(Ljava/awt/Point;)Ljavax/accessibility/Accessible;
java/awt/Component$AccessibleAWTComponent isFocusTraversable()Z
java/awt/Component$AccessibleAWTComponent requestFocus()V
java/awt/Component$AccessibleAWTComponent addFocusListener(Ljava/awt/event/FocusListener;)V
java/awt/Component$AccessibleAWTComponent removeFocusListener(Ljava/awt/event/FocusListener;)V
class java/awt/event/ContainerEvent

java/awt/event/ComponentEvent
java/awt/event/ContainerEvent CONTAINER_FIRST
java/awt/event/ContainerEvent CONTAINER_LAST
java/awt/event/ContainerEvent COMPONENT_ADDED
java/awt/event/ContainerEvent COMPONENT_REMOVED
java/awt/event/ContainerEvent child
java/awt/event/ContainerEvent serialVersionUID
java/awt/event/ContainerEvent <init>(Ljava/awt/Component;ILjava/awt/Component;)V
java/awt/event/ContainerEvent getContainer()Ljava/awt/Container;
java/awt/event/ContainerEvent getChild()Ljava/awt/Component;
java/awt/event/ContainerEvent paramString()Ljava/lang/String;
class java/awt/CardLayout java/lang/Object
java/awt/CardLayout serialVersionUID
java/awt/CardLayout vector
java/awt/CardLayout currentCard
java/awt/CardLayout hgap
java/awt/CardLayout vgap
java/awt/CardLayout serialPersistentFields
java/awt/CardLayout <init>()V
java/awt/CardLayout <init>(II)V
java/awt/CardLayout getHgap()I
java/awt/CardLayout setHgap(I)V
java/awt/CardLayout getVgap()I
java/awt/CardLayout setVgap(I)V
java/awt/CardLayout
addLayoutComponent(Ljava/awt/Component;Ljava/lang/Object;)V
java/awt/CardLayout addLayoutComponent(Ljava/lang/String;Ljava/awt/Component;)V
java/awt/CardLayout removeLayoutComponent(Ljava/awt/Component;)V
java/awt/CardLayout preferredLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/CardLayout minimumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/CardLayout maximumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/CardLayout getLayoutAlignmentX(Ljava/awt/Container;)F
java/awt/CardLayout getLayoutAlignmentY(Ljava/awt/Container;)F
java/awt/CardLayout invalidateLayout(Ljava/awt/Container;)V
java/awt/CardLayout layoutContainer(Ljava/awt/Container;)V
java/awt/CardLayout checkLayout(Ljava/awt/Container;)V
java/awt/CardLayout first(Ljava/awt/Container;)V
java/awt/CardLayout next(Ljava/awt/Container;)V
java/awt/CardLayout previous(Ljava/awt/Container;)V
java/awt/CardLayout showDefaultComponent(Ljava/awt/Container;)V
java/awt/CardLayout last(Ljava/awt/Container;)V
java/awt/CardLayout
show(Ljava/awt/Container;Ljava/lang/String;)V
java/awt/CardLayout toString()Ljava/lang/String;
java/awt/CardLayout readObject(Ljava/io/ObjectInputStream;)V
java/awt/CardLayout writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/CardLayout <clinit>()V
class java/beans/VetoableChangeListener java/lang/Object

java/beans/VetoableChangeListener vetoableChange(Ljava/beans/PropertyChangeEvent;)V
class java/awt/AWTEventMulticaster java/lang/Object
java/awt/AWTEventMulticaster a
java/awt/AWTEventMulticaster b
java/awt/AWTEventMulticaster <init>(Ljava/util/EventListener;Ljava/util/EventListener;)V
java/awt/AWTEventMulticaster remove(Ljava/util/EventListener;)Ljava/util/EventListener;
java/awt/AWTEventMulticaster componentResized(Ljava/awt/event/ComponentEvent;)V
java/awt/AWTEventMulticaster componentMoved(Ljava/awt/event/ComponentEvent;)V
java/awt/AWTEventMulticaster componentShown(Ljava/awt/event/ComponentEvent;)V
java/awt/AWTEventMulticaster componentHidden(Ljava/awt/event/ComponentEvent;)V
java/awt/AWTEventMulticaster
componentAdded(Ljava/awt/event/ContainerEvent;)V
java/awt/AWTEventMulticaster componentRemoved(Ljava/awt/event/ContainerEvent;)V
java/awt/AWTEventMulticaster focusGained(Ljava/awt/event/FocusEvent;)V
java/awt/AWTEventMulticaster focusLost(Ljava/awt/event/FocusEvent;)V
java/awt/AWTEventMulticaster keyTyped(Ljava/awt/event/KeyEvent;)V
java/awt/AWTEventMulticaster keyPressed(Ljava/awt/event/KeyEvent;)V
java/awt/AWTEventMulticaster keyReleased(Ljava/awt/event/KeyEvent;)V
java/awt/AWTEventMulticaster mouseClicked(Ljava/awt/event/MouseEvent;)V
java/awt/AWTEventMulticaster mousePressed(Ljava/awt/event/MouseEvent;)V
java/awt/AWTEventMulticaster mouseReleased(Ljava/awt/event/MouseEvent;)V
java/awt/AWTEventMulticaster mouseEntered(Ljava/awt/event/MouseEvent;)V
java/awt/AWTEventMulticaster mouseExited(Ljava/awt/event/MouseEvent;)V
java/awt/AWTEventMulticaster mouseDragged(Ljava/awt/event/MouseEvent;)V
java/awt/AWTEventMulticaster mouseMoved(Ljava/awt/event/MouseEvent;)V
java/awt/AWTEventMulticaster
windowOpened(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowClosing(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowClosed(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowIconified(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowDeiconified(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowActivated(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowDeactivated(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowStateChanged(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowGainedFocus(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster windowLostFocus(Ljava/awt/event/WindowEvent;)V
java/awt/AWTEventMulticaster actionPerformed(Ljava/awt/event/ActionEvent;)V
java/awt/AWTEventMulticaster itemStateChanged(Ljava/awt/event/ItemEvent;)V
java/awt/AWTEventMulticaster adjustmentValueChanged(Ljava/awt/event/AdjustmentEvent;)V
java/awt/AWTEventMulticaster
textValueChanged(Ljava/awt/event/TextEvent;)V
java/awt/AWTEventMulticaster inputMethodTextChanged(Ljava/awt/event/InputMethodEvent;)V
java/awt/AWTEventMulticaster caretPositionChanged(Ljava/awt/event/InputMethodEvent;)V
java/awt/AWTEventMulticaster hierarchyChanged(Ljava/awt/event/HierarchyEvent;)V
java/awt/AWTEventMulticaster ancestorMoved(Ljava/awt/event/HierarchyEvent;)V
java/awt/AWTEventMulticaster ancestorResized(Ljava/awt/event/HierarchyEvent;)V
java/awt/AWTEventMulticaster mouseWheelMoved(Ljava/awt/event/MouseWheelEvent;)V
java/awt/AWTEventMulticaster

add(Ljava/awt/event/ComponentListener;Ljava/awt/event/ComponentListener;)Ljava/awt/event/ComponentListener
;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/ContainerListener;Ljava/awt/event/ContainerListener;)Ljava/awt/event/ContainerListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/FocusListener;Ljava/awt/event/FocusListener;)Ljava/awt/event/FocusListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/KeyListener;Ljava/awt/event/KeyListener;)Ljava/awt/event/KeyListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/MouseListener;Ljava/awt/event/MouseListener;)Ljava/awt/event/MouseListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/MouseMotionListener;Ljava/awt/event/MouseMotionListener;)Ljava/awt/event/MouseMotion
Listener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/WindowListener;Ljava/awt/event/WindowListener;)Ljava/awt/event/WindowListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/WindowStateListener;Ljava/awt/event/WindowStateListener;)Ljava/awt/event/WindowStateLi
stener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/WindowFocusListener;Ljava/awt/event/WindowFocusListener;)Ljava/awt/event/WindowFocu
sListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/ActionListener;Ljava/awt/event/ActionListener;)Ljava/awt/event/ActionListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/ItemListener;Ljava/awt/event/ItemListener;)Ljava/awt/event/ItemListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/AdjustmentListener;Ljava/awt/event/AdjustmentListener;)Ljava/awt/event/AdjustmentListener
;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/TextListener;Ljava/awt/event/TextListener;)Ljava/awt/event/TextListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/InputMethodListener;Ljava/awt/event/InputMethodListener;)Ljava/awt/event/InputMethodList
ener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/HierarchyListener;Ljava/awt/event/HierarchyListener;)Ljava/awt/event/HierarchyListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/HierarchyBoundsListener;Ljava/awt/event/HierarchyBoundsListener;)Ljava/awt/event/Hierarc
hyBoundsListener;
java/awt/AWTEventMulticaster
add(Ljava/awt/event/MouseWheelListener;Ljava/awt/event/MouseWheelListener;)Ljava/awt/event/MouseWheelLis
tener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/ComponentListener;Ljava/awt/event/ComponentListener;)Ljava/awt/event/ComponentList
ener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/ContainerListener;Ljava/awt/event/ContainerListener;)Ljava/awt/event/ContainerListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/FocusListener;Ljava/awt/event/FocusListener;)Ljava/awt/event/FocusListener;

java/awt/AWTEventMulticaster
remove(Ljava/awt/event/KeyListener;Ljava/awt/event/KeyListener;)Ljava/awt/event/KeyListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/MouseListener;Ljava/awt/event/MouseListener;)Ljava/awt/event/MouseListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/MouseMotionListener;Ljava/awt/event/MouseMotionListener;)Ljava/awt/event/MouseMotionListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/WindowListener;Ljava/awt/event/WindowListener;)Ljava/awt/event/WindowListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/WindowStateListener;Ljava/awt/event/WindowStateListener;)Ljava/awt/event/WindowStateListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/WindowFocusListener;Ljava/awt/event/WindowFocusListener;)Ljava/awt/event/WindowFocusListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/ActionListener;Ljava/awt/event/ActionListener;)Ljava/awt/event/ActionListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/ItemListener;Ljava/awt/event/ItemListener;)Ljava/awt/event/ItemListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/AdjustmentListener;Ljava/awt/event/AdjustmentListener;)Ljava/awt/event/AdjustmentListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/TextListener;Ljava/awt/event/TextListener;)Ljava/awt/event/TextListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/InputMethodListener;Ljava/awt/event/InputMethodListener;)Ljava/awt/event/InputMethodListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/HierarchyListener;Ljava/awt/event/HierarchyListener;)Ljava/awt/event/HierarchyListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/HierarchyBoundsListener;Ljava/awt/event/HierarchyBoundsListener;)Ljava/awt/event/HierarchyBoundsListener;
java/awt/AWTEventMulticaster
remove(Ljava/awt/event/MouseWheelListener;Ljava/awt/event/MouseWheelListener;)Ljava/awt/event/MouseWheelListener;
java/awt/AWTEventMulticaster
addInternal(Ljava/util/EventListener;Ljava/util/EventListener;)Ljava/util/EventListener;
java/awt/AWTEventMulticaster
removeInternal(Ljava/util/EventListener;Ljava/util/EventListener;)Ljava/util/EventListener;
java/awt/AWTEventMulticaster saveInternal(Ljava/io/ObjectOutputStream;Ljava/lang/String;)V
java/awt/AWTEventMulticaster save(Ljava/io/ObjectOutputStream;Ljava/lang/String;Ljava/util/EventListener;)V
java/awt/AWTEventMulticaster getListenerCount(Ljava/util/EventListener;Ljava/lang/Class;)I
java/awt/AWTEventMulticaster populateListenerArray([Ljava/util/EventListener;Ljava/util/EventListener;I)I
java/awt/AWTEventMulticaster getListeners(Ljava/util/EventListener;Ljava/lang/Class;)[Ljava/util/EventListener;
class java/awt/event/TextListener
java/lang/Object
java/awt/event/TextListener textValueChanged(Ljava/awt/event/TextEvent;)V
class java/awt/event/AdjustmentListener java/lang/Object

java/awt/event/AdjustmentListener adjustmentValueChanged(Ljava/awt/event/AdjustmentEvent;)V
class java/awt/event/WindowStateListener java/lang/Object
java/awt/event/WindowStateListener windowStateChanged(Ljava/awt/event/WindowEvent;)V
class java/awt/event/WindowFocusListener java/lang/Object
java/awt/event/WindowFocusListener windowGainedFocus(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowFocusListener windowLostFocus(Ljava/awt/event/WindowEvent;)V
class java/awt/event/ItemListener java/lang/Object
java/awt/event/ItemListener itemStateChanged(Ljava/awt/event/ItemEvent;)V
class java/awt/event/MouseMotionAdapter java/lang/Object
java/awt/event/MouseMotionAdapter <init>()V
java/awt/event/MouseMotionAdapter mouseDragged(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseMotionAdapter mouseMoved(Ljava/awt/event/MouseEvent;)V
class java/awt/event/MouseAdapter
 java/lang/Object
java/awt/event/MouseAdapter <init>()V
java/awt/event/MouseAdapter mouseClicked(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseAdapter mousePressed(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseAdapter mouseReleased(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseAdapter mouseEntered(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseAdapter mouseExited(Ljava/awt/event/MouseEvent;)V
class java/lang/CloneNotSupportedException java/lang/Exception
java/lang/CloneNotSupportedException <init>()V
java/lang/CloneNotSupportedException <init>(Ljava/lang/String;)V
class java/text/MessageFormat$Field java/text/Format$Field
java/text/MessageFormat$Field serialVersionUID
java/text/MessageFormat$Field ARGUMENT
java/text/MessageFormat$Field <init>(Ljava/lang/String;)V
java/text/MessageFormat$Field readResolve()Ljava/lang/Object;
java/text/MessageFormat$Field <clinit>()V
class java/text/Format$Field java/text/AttributedCharacterIterator$Attribute
java/text/Format$Field
 serialVersionUID
java/text/Format$Field <init>(Ljava/lang/String;)V
class java/text/FieldPosition java/lang/Object
java/text/FieldPosition field
java/text/FieldPosition endIndex
java/text/FieldPosition beginIndex
java/text/FieldPosition attribute
java/text/FieldPosition <init>(I)V
java/text/FieldPosition <init>(Ljava/text/Format$Field;)V
java/text/FieldPosition <init>(Ljava/text/Format$Field;I)V
java/text/FieldPosition getFieldAttribute()Ljava/text/Format$Field;
java/text/FieldPosition getField()I
java/text/FieldPosition getBeginIndex()I
java/text/FieldPosition getEndIndex()I
java/text/FieldPosition setBeginIndex(I)V
java/text/FieldPosition setEndIndex(I)V
java/text/FieldPosition getFieldDelegate()Ljava/text/Format$FieldDelegate;

java/text/FieldPosition equals(Ljava/lang/Object;)Z
java/text/FieldPosition hashCode()I
java/text/FieldPosition toString()Ljava/lang/String;
java/text/FieldPosition matchesField(Ljava/text/Format$Field;)Z
java/text/FieldPosition matchesField(Ljava/text/Format$Field;I)Z
java/text/FieldPosition
access$100(Ljava/text/FieldPosition;Ljava/text/Format$Field;)Z
java/text/FieldPosition access$200(Ljava/text/FieldPosition;Ljava/text/Format$Field;I)Z
class java/text/MessageFormat java/text/Format
java/text/MessageFormat serialVersionUID
java/text/MessageFormat locale
java/text/MessageFormat pattern
java/text/MessageFormat INITIAL_FORMATS
java/text/MessageFormat formats
java/text/MessageFormat offsets
java/text/MessageFormat argumentNumbers
java/text/MessageFormat maxOffset
java/text/MessageFormat typeList
java/text/MessageFormat modifierList
java/text/MessageFormat dateModifierList
java/text/MessageFormat <init>(Ljava/lang/String;)V
java/text/MessageFormat <init>(Ljava/lang/String;Ljava/util/Locale;)V
java/text/MessageFormat setLocale(Ljava/util/Locale;)V
java/text/MessageFormat getLocale()Ljava/util/Locale;
java/text/MessageFormat applyPattern(Ljava/lang/String;)V
java/text/MessageFormat toPattern()Ljava/lang/String;
java/text/MessageFormat
setFormatsByArgumentIndex([Ljava/text/Format;)V
java/text/MessageFormat setFormats([Ljava/text/Format;)V
java/text/MessageFormat setFormatByArgumentIndex(ILjava/text/Format;)V
java/text/MessageFormat setFormat(ILjava/text/Format;)V
java/text/MessageFormat getFormatsByArgumentIndex()[Ljava/text/Format;
java/text/MessageFormat getFormats()[Ljava/text/Format;
java/text/MessageFormat
format([Ljava/lang/Object;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/MessageFormat format(Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String;
java/text/MessageFormat
format(Ljava/lang/Object;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/MessageFormat formatToCharacterIterator(Ljava/lang/Object;)Ljava/text/AttributedCharacterIterator;
java/text/MessageFormat parse(Ljava/lang/String;Ljava/text/ParsePosition;)[Ljava/lang/Object;
java/text/MessageFormat parse(Ljava/lang/String;)[Ljava/lang/Object;
java/text/MessageFormat
parseObject(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/lang/Object;
java/text/MessageFormat clone()Ljava/lang/Object;
java/text/MessageFormat equals(Ljava/lang/Object;)Z
java/text/MessageFormat hashCode()I
java/text/MessageFormat
subformat([Ljava/lang/Object;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;Ljava/util/List;)Ljava/lang/StringBu

ffer;
java/text/MessageFormat append(Ljava/lang/StringBuffer;Ljava/text/CharacterIterator;)V
java/text/MessageFormat makeFormat(II[Ljava/lang/StringBuffer;)V
java/text/MessageFormat findKeyword(Ljava/lang/String;[Ljava/lang/String;)I
java/text/MessageFormat copyAndFixQuotes(Ljava/lang/String;IILjava/lang/StringBuffer;)V
java/text/MessageFormat readObject(Ljava/io/ObjectInputStream;)V
java/text/MessageFormat <clinit>()V
class java/text/Format java/lang/Object
java/text/Format serialVersionUID
java/text/Format <init>()V
java/text/Format format(Ljava/lang/Object;)Ljava/lang/String;
java/text/Format
format(Ljava/lang/Object;Ljava/lang/StringBuffer;Ljava/text/FieldPosition;)Ljava/lang/StringBuffer;
java/text/Format
formatToCharacterIterator(Ljava/lang/Object;)Ljava/text/AttributedCharacterIterator;
java/text/Format parseObject(Ljava/lang/String;Ljava/text/ParsePosition;)Ljava/lang/Object;
java/text/Format parseObject(Ljava/lang/String;)Ljava/lang/Object;
java/text/Format clone()Ljava/lang/Object;
java/text/Format createAttributedCharacterIterator(Ljava/lang/String;)Ljava/text/AttributedCharacterIterator;
java/text/Format
createAttributedCharacterIterator([Ljava/text/AttributedCharacterIterator;)Ljava/text/AttributedCharacterIterator;
java/text/Format
createAttributedCharacterIterator(Ljava/lang/String;Ljava/text/AttributedCharacterIterator$Attribute;Ljava/lang/Object;)Ljava/text/AttributedCharacterIterator;
java/text/Format
createAttributedCharacterIterator(Ljava/text/AttributedCharacterIterator;Ljava/text/AttributedCharacterIterator$Attribute;Ljava/lang/Object;)Ljava/text/AttributedCharacterIterator;
class java/lang/IllegalAccessError
java/lang/IncompatibleClassChangeError
java/lang/IllegalAccessError <init>()V
java/lang/IllegalAccessError <init>(Ljava/lang/String;)V
class java/util/Collections$SynchronizedSet java/util/Collections$SynchronizedCollection
java/util/Collections$SynchronizedSet serialVersionUID
java/util/Collections$SynchronizedSet <init>(Ljava/util/Set;)V
java/util/Collections$SynchronizedSet <init>(Ljava/util/Set;Ljava/lang/Object;)V
java/util/Collections$SynchronizedSet equals(Ljava/lang/Object;)Z
java/util/Collections$SynchronizedSet hashCode()I
class java/util/Hashtable$EntrySet java/util/AbstractSet
java/util/Hashtable$EntrySet this$0
java/util/Hashtable$EntrySet <init>(Ljava/util/Hashtable;)V
java/util/Hashtable$EntrySet iterator()Ljava/util/Iterator;
java/util/Hashtable$EntrySet add(Ljava/lang/Object;)Z
java/util/Hashtable$EntrySet contains(Ljava/lang/Object;)Z
java/util/Hashtable$EntrySet remove(Ljava/lang/Object;)Z
java/util/Hashtable$EntrySet size()I
java/util/Hashtable$EntrySet
clear()V
java/util/Hashtable$EntrySet <init>(Ljava/util/Hashtable;Ljava/util/Hashtable$1;)V

class java/util/PropertyResourceBundle java/util/ResourceBundle
java/util/PropertyResourceBundle lookup
java/util/PropertyResourceBundle <init>(Ljava/io/InputStream;)V
java/util/PropertyResourceBundle handleGetObject(Ljava/lang/String;)Ljava/lang/Object;
java/util/PropertyResourceBundle getKeys()Ljava/util/Enumeration;
class java/util/jar/JarFile$1 java/lang/Object
java/util/jar/JarFile$1 val$enum_
java/util/jar/JarFile$1 this$0
java/util/jar/JarFile$1 <init>(Ljava/util/jar/JarFile;Ljava/util/Enumeration;)V
java/util/jar/JarFile$1 hasMoreElements()Z
java/util/jar/JarFile$1 nextElement()Ljava/util/jar/JarFile$JarFileEntry;
java/util/jar/JarFile$1 nextElement()Ljava/lang/Object;
class java/util/zip/ZipFile$3 java/lang/Object
java/util/zip/ZipFile$3 i
java/util/zip/ZipFile$3 this$0
java/util/zip/ZipFile$3 <init>(Ljava/util/zip/ZipFile;)V
java/util/zip/ZipFile$3 hasMoreElements()Z
java/util/zip/ZipFile$3
nextElement()Ljava/util/zip/ZipEntry;
java/util/zip/ZipFile$3 nextElement()Ljava/lang/Object;
class java/io/EOFException java/io/IOException
java/io/EOFException <init>()V
java/io/EOFException <init>(Ljava/lang/String;)V
class java/lang/ArrayIndexOutOfBoundsException java/lang/IndexOutOfBoundsException
java/lang/ArrayIndexOutOfBoundsException <init>()V
java/lang/ArrayIndexOutOfBoundsException <init>(I)V
java/lang/ArrayIndexOutOfBoundsException <init>(Ljava/lang/String;)V
class java/lang/IndexOutOfBoundsException java/lang/RuntimeException
java/lang/IndexOutOfBoundsException <init>()V
java/lang/IndexOutOfBoundsException <init>(Ljava/lang/String;)V
class java/lang/InstantiationException java/lang/Exception
java/lang/InstantiationException <init>()V
java/lang/InstantiationException <init>(Ljava/lang/String;)V
class java/lang/IllegalAccessException java/lang/Exception
java/lang/IllegalAccessException <init>()V
java/lang/IllegalAccessException <init>(Ljava/lang/String;)V
class java/lang/NoSuchFieldException
java/lang/Exception
java/lang/NoSuchFieldException <init>()V
java/lang/NoSuchFieldException <init>(Ljava/lang/String;)V
class java/lang/NoSuchMethodException java/lang/Exception
java/lang/NoSuchMethodException <init>()V
java/lang/NoSuchMethodException <init>(Ljava/lang/String;)V
class java/lang/reflect/InvocationHandler java/lang/Object
java/lang/reflect/InvocationHandler
invoke(Ljava/lang/Object;Ljava/lang/reflect/Method;[Ljava/lang/Object;)Ljava/lang/Object;
class java/lang/reflect/Proxy java/lang/Object
java/lang/reflect/Proxy serialVersionUID

java/lang/reflect/Proxy proxyClassNamePrefix
java/lang/reflect/Proxy constructorParams
java/lang/reflect/Proxy loaderToCache
java/lang/reflect/Proxy pendingGenerationMarker
java/lang/reflect/Proxy nextUniqueNumber
java/lang/reflect/Proxy nextUniqueNumberLock
java/lang/reflect/Proxy proxyClasses
java/lang/reflect/Proxy h
java/lang/reflect/Proxy <init>()V
java/lang/reflect/Proxy <init>(Ljava/lang/reflect/InvocationHandler;)V
java/lang/reflect/Proxy
getProxyClass(Ljava/lang/ClassLoader;[Ljava/lang/Class;)Ljava/lang/Class;
java/lang/reflect/Proxy
newProxyInstance(Ljava/lang/ClassLoader;[Ljava/lang/Class;Ljava/lang/reflect/InvocationHandler;)Ljava/lang/Object;
java/lang/reflect/Proxy isProxyClass(Ljava/lang/Class;)Z
java/lang/reflect/Proxy getInvocationHandler(Ljava/lang/Object;)Ljava/lang/reflect/InvocationHandler;
java/lang/reflect/Proxy defineClass0(Ljava/lang/ClassLoader;Ljava/lang/String;[BII)Ljava/lang/Class;
java/lang/reflect/Proxy <clinit>()V
class java/io/FilterReader java/io/Reader
java/io/FilterReader in
java/io/FilterReader <init>(Ljava/io/Reader;)V
java/io/FilterReader read()I
java/io/FilterReader read([CII)I
java/io/FilterReader skip(J)J
java/io/FilterReader ready()Z
java/io/FilterReader markSupported()Z
java/io/FilterReader mark(I)V
java/io/FilterReader reset()V
java/io/FilterReader close()V
class java/lang/SecurityException java/lang/RuntimeException
java/lang/SecurityException serialVersionUID
java/lang/SecurityException
<init>()V
java/lang/SecurityException <init>(Ljava/lang/String;)V
java/lang/SecurityException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/SecurityException <init>(Ljava/lang/Throwable;)V
class java/io/StringReader java/io/Reader
java/io/StringReader str
java/io/StringReader length
java/io/StringReader next
java/io/StringReader mark
java/io/StringReader <init>(Ljava/lang/String;)V
java/io/StringReader ensureOpen()V
java/io/StringReader read()I
java/io/StringReader read([CII)I
java/io/StringReader skip(J)J
java/io/StringReader ready()Z

java/io/StringReader markSupported()Z
java/io/StringReader mark(I)V
java/io/StringReader reset()V
java/io/StringReader close()V
class java/lang/InternalError java/lang/VirtualMachineError
java/lang/InternalError <init>()V
java/lang/InternalError <init>(Ljava/lang/String;)V
class java/net/ServerSocket java/lang/Object
java/net/ServerSocket created
java/net/ServerSocket bound
java/net/ServerSocket closed
java/net/ServerSocket
 closeLock
java/net/ServerSocket impl
java/net/ServerSocket oldImpl
java/net/ServerSocket factory
java/net/ServerSocket <init>()V
java/net/ServerSocket <init>(I)V
java/net/ServerSocket <init>(II)V
java/net/ServerSocket <init>(IILjava/net/InetAddress;)V
java/net/ServerSocket getImpl()Ljava/net/SocketImpl;
java/net/ServerSocket checkOldImpl()V
java/net/ServerSocket setImpl()V
java/net/ServerSocket createImpl()V
java/net/ServerSocket bind(Ljava/net/SocketAddress;)V
java/net/ServerSocket bind(Ljava/net/SocketAddress;I)V
java/net/ServerSocket getInetAddress()Ljava/net/InetAddress;
java/net/ServerSocket getLocalPort()I
java/net/ServerSocket getLocalSocketAddress()Ljava/net/SocketAddress;
java/net/ServerSocket accept()Ljava/net/Socket;
java/net/ServerSocket implAccept(Ljava/net/Socket;)V
java/net/ServerSocket close()V
java/net/ServerSocket getChannel()Ljava/nio/channels/ServerSocketChannel;
java/net/ServerSocket isBound()Z
java/net/ServerSocket isClosed()Z
java/net/ServerSocket
 setSoTimeout(I)V
java/net/ServerSocket getSoTimeout()I
java/net/ServerSocket setReuseAddress(Z)V
java/net/ServerSocket getReuseAddress()Z
java/net/ServerSocket toString()Ljava/lang/String;
java/net/ServerSocket setBound()V
java/net/ServerSocket setCreated()V
java/net/ServerSocket setSocketFactory(Ljava/net/SocketImplFactory;)V
java/net/ServerSocket setReceiveBufferSize(I)V
java/net/ServerSocket getReceiveBufferSize()I
java/net/ServerSocket setPerformancePreferences(III)V
java/net/ServerSocket access$000(Ljava/net/ServerSocket;)Ljava/net/SocketImpl;

java/net/ServerSocket <clinit>()V
class java/util/Vector$1 java/lang/Object
java/util/Vector$1 count
java/util/Vector$1 this$0
java/util/Vector$1 <init>(Ljava/util/Vector;)V
java/util/Vector$1 hasMoreElements()Z
java/util/Vector$1 nextElement()Ljava/lang/Object;
class java/text/DateFormatSymbols java/lang/Object
java/text/DateFormatSymbols eras
java/text/DateFormatSymbols months
java/text/DateFormatSymbols shortMonths
java/text/DateFormatSymbols
 weekdays
java/text/DateFormatSymbols shortWeekdays
java/text/DateFormatSymbols ampms
java/text/DateFormatSymbols zoneStrings
java/text/DateFormatSymbols patternChars
java/text/DateFormatSymbols localPatternChars
java/text/DateFormatSymbols serialVersionUID
java/text/DateFormatSymbols millisPerHour
java/text/DateFormatSymbols cachedLocaleData
java/text/DateFormatSymbols cachedZoneData
java/text/DateFormatSymbols <init>()V
java/text/DateFormatSymbols <init>(Ljava/util/Locale;)V
java/text/DateFormatSymbols getEras()[Ljava/lang/String;
java/text/DateFormatSymbols setEras([Ljava/lang/String;)V
java/text/DateFormatSymbols getMonths()[Ljava/lang/String;
java/text/DateFormatSymbols setMonths([Ljava/lang/String;)V
java/text/DateFormatSymbols getShortMonths()[Ljava/lang/String;
java/text/DateFormatSymbols setShortMonths([Ljava/lang/String;)V
java/text/DateFormatSymbols getWeekdays()[Ljava/lang/String;
java/text/DateFormatSymbols setWeekdays([Ljava/lang/String;)V
java/text/DateFormatSymbols
 getShortWeekdays()[Ljava/lang/String;
java/text/DateFormatSymbols setShortWeekdays([Ljava/lang/String;)V
java/text/DateFormatSymbols getAmPmStrings()[Ljava/lang/String;
java/text/DateFormatSymbols setAmPmStrings([Ljava/lang/String;)V
java/text/DateFormatSymbols getZoneStrings()[[Ljava/lang/String;
java/text/DateFormatSymbols setZoneStrings([[Ljava/lang/String;)V
java/text/DateFormatSymbols getLocalPatternChars()Ljava/lang/String;
java/text/DateFormatSymbols setLocalPatternChars(Ljava/lang/String;)V
java/text/DateFormatSymbols clone()Ljava/lang/Object;
java/text/DateFormatSymbols hashCode()I
java/text/DateFormatSymbols equals(Ljava/lang/Object;)Z
java/text/DateFormatSymbols cacheLookup(Ljava/util/Locale;)[Ljava/util/ResourceBundle;
java/text/DateFormatSymbols loadZoneStrings(Ljava/util/Locale;Ljava/util/ResourceBundle;)[[Ljava/lang/String;
java/text/DateFormatSymbols initializeData(Ljava/util/Locale;)V
java/text/DateFormatSymbols getZoneIndex(Ljava/lang/String;)I

java/text/DateFormatSymbols
 duplicate([Ljava/lang/String;)[Ljava/lang/String;
java/text/DateFormatSymbols copyMembers(Ljava/text/DateFormatSymbols;Ljava/text/DateFormatSymbols;)V
java/text/DateFormatSymbols equals([Ljava/lang/String;[Ljava/lang/String;)Z
java/text/DateFormatSymbols <clinit>()V
class java/util/TimeZone$1 java/lang/Object
java/util/TimeZone$1 val$id
java/util/TimeZone$1 <init>(Ljava/lang/String;)V
java/util/TimeZone$1 run()Ljava/lang/Object;
class java/lang/InheritableThreadLocal java/lang/ThreadLocal
java/lang/InheritableThreadLocal <init>()V
java/lang/InheritableThreadLocal childValue(Ljava/lang/Object;)Ljava/lang/Object;
java/lang/InheritableThreadLocal getMap(Ljava/lang/Thread;)Ljava/lang/ThreadLocal$ThreadLocalMap;
java/lang/InheritableThreadLocal createMap(Ljava/lang/Thread;Ljava/lang/Object;)V
class java/util/TimeZone java/lang/Object
java/util/TimeZone SHORT
java/util/TimeZone LONG
java/util/TimeZone ONE_MINUTE
java/util/TimeZone ONE_HOUR
java/util/TimeZone ONE_DAY
java/util/TimeZone
 cachedLocaleData
java/util/TimeZone serialVersionUID
java/util/TimeZone NO_TIMEZONE
java/util/TimeZone ID
java/util/TimeZone defaultTimeZone
java/util/TimeZone defaultZoneTL
java/util/TimeZone GMT_ID
java/util/TimeZone GMT_ID_LENGTH
java/util/TimeZone $assertionsDisabled
java/util/TimeZone <init>()V
java/util/TimeZone getOffset(IIIIII)I
java/util/TimeZone getOffset(J)I
java/util/TimeZone getOffsets(J[I)I
java/util/TimeZone setRawOffset(I)V
java/util/TimeZone getRawOffset()I
java/util/TimeZone getID()Ljava/lang/String;
java/util/TimeZone setID(Ljava/lang/String;)V
java/util/TimeZone getDisplayName()Ljava/lang/String;
java/util/TimeZone getDisplayName(Ljava/util/Locale;)Ljava/lang/String;
java/util/TimeZone getDisplayName(ZI)Ljava/lang/String;
java/util/TimeZone getDisplayName(ZILjava/util/Locale;)Ljava/lang/String;
java/util/TimeZone getDisplayNames(Ljava/lang/String;Ljava/util/Locale;)[Ljava/lang/String;
java/util/TimeZone retrieveDisplayNames(Ljava/lang/String;Ljava/util/Locale;)[Ljava/lang/String;
java/util/TimeZone
 getDSTSavings()I
java/util/TimeZone useDaylightTime()Z
java/util/TimeZone inDaylightTime(Ljava/util/Date;)Z

java/util/TimeZone getTimeZone(Ljava/lang/String;)Ljava/util/TimeZone;
java/util/TimeZone getTimeZone(Ljava/lang/String;Z)Ljava/util/TimeZone;
java/util/TimeZone getAvailableIDs(I)[Ljava/lang/String;
java/util/TimeZone getAvailableIDs()[Ljava/lang/String;
java/util/TimeZone getSystemTimeZoneID(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/util/TimeZone getSystemGMTOffsetID()Ljava/lang/String;
java/util/TimeZone getDefault()Ljava/util/TimeZone;
java/util/TimeZone getDefaultRef()Ljava/util/TimeZone;
java/util/TimeZone setDefaultZone()Ljava/util/TimeZone;
java/util/TimeZone hasPermission()Z
java/util/TimeZone setDefault(Ljava/util/TimeZone;)V
java/util/TimeZone hasSameRules(Ljava/util/TimeZone;)Z
java/util/TimeZone clone()Ljava/lang/Object;
java/util/TimeZone parseCustomTimeZone(Ljava/lang/String;)Ljava/util/TimeZone;
java/util/TimeZone
<clinit>()V
class java/util/Date java/lang/Object
java/util/Date gcal
java/util/Date jcal
java/util/Date fastTime
java/util/Date cdate
java/util/Date defaultCenturyStart
java/util/Date serialVersionUID
java/util/Date wtb
java/util/Date ttb
java/util/Date <init>()V
java/util/Date <init>(J)V
java/util/Date <init>(III)V
java/util/Date <init>(IIIII)V
java/util/Date <init>(IIIIII)V
java/util/Date <init>(Ljava/lang/String;)V
java/util/Date clone()Ljava/lang/Object;
java/util/Date UTC(IIIIII)J
java/util/Date parse(Ljava/lang/String;)J
java/util/Date getYear()I
java/util/Date setYear(I)V
java/util/Date getMonth()I
java/util/Date setMonth(I)V
java/util/Date getDate()I
java/util/Date setDate(I)V
java/util/Date getDay()I
java/util/Date getHours()I
java/util/Date setHours(I)V
java/util/Date getMinutes()I
java/util/Date setMinutes(I)V
java/util/Date getSeconds()I
java/util/Date setSeconds(I)V
java/util/Date getTime()J

java/util/Date getTimeImpl()J
java/util/Date setTime(J)V
java/util/Date before(Ljava/util/Date;)Z
java/util/Date
after(Ljava/util/Date;)Z
java/util/Date equals(Ljava/lang/Object;)Z
java/util/Date getMillisOf(Ljava/util/Date;)J
java/util/Date compareTo(Ljava/util/Date;)I
java/util/Date hashCode()I
java/util/Date toString()Ljava/lang/String;
java/util/Date convertToAbbr(Ljava/lang/StringBuilder;Ljava/lang/String;)Ljava/lang/StringBuilder;
java/util/Date toLocaleString()Ljava/lang/String;
java/util/Date toGMTString()Ljava/lang/String;
java/util/Date getTimezoneOffset()I
java/util/Date getCalendarDate()Lsun/util/calendar/BaseCalendar$Date;
java/util/Date normalize()Lsun/util/calendar/BaseCalendar$Date;
java/util/Date normalize(Lsun/util/calendar/BaseCalendar$Date;)Lsun/util/calendar/BaseCalendar$Date;
java/util/Date getCalendarSystem(I)Lsun/util/calendar/BaseCalendar;
java/util/Date getCalendarSystem(J)Lsun/util/calendar/BaseCalendar;
java/util/Date getCalendarSystem(Lsun/util/calendar/BaseCalendar$Date;)Lsun/util/calendar/BaseCalendar;
java/util/Date getJulianCalendar()Lsun/util/calendar/BaseCalendar;
java/util/Date
writeObject(Ljava/io/ObjectOutputStream;)V
java/util/Date readObject(Ljava/io/ObjectInputStream;)V
java/util/Date compareTo(Ljava/lang/Object;)I
java/util/Date <clinit>()V
class java/awt/image/SinglePixelPackedSampleModel java/awt/image/SampleModel
java/awt/image/SinglePixelPackedSampleModel bitMasks
java/awt/image/SinglePixelPackedSampleModel bitOffsets
java/awt/image/SinglePixelPackedSampleModel bitSizes
java/awt/image/SinglePixelPackedSampleModel maxBitSize
java/awt/image/SinglePixelPackedSampleModel scanlineStride
java/awt/image/SinglePixelPackedSampleModel initIDs()V
java/awt/image/SinglePixelPackedSampleModel <init>(III[I)V
java/awt/image/SinglePixelPackedSampleModel <init>(IIII[I)V
java/awt/image/SinglePixelPackedSampleModel getNumDataElements()I
java/awt/image/SinglePixelPackedSampleModel getBufferSize()J
java/awt/image/SinglePixelPackedSampleModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/SinglePixelPackedSampleModel
createDataBuffer()Ljava/awt/image/DataBuffer;
java/awt/image/SinglePixelPackedSampleModel getSampleSize()[I
java/awt/image/SinglePixelPackedSampleModel getSampleSize(I)I
java/awt/image/SinglePixelPackedSampleModel getOffset(II)I
java/awt/image/SinglePixelPackedSampleModel getBitOffsets()[I
java/awt/image/SinglePixelPackedSampleModel getBitMasks()[I
java/awt/image/SinglePixelPackedSampleModel getScanlineStride()I
java/awt/image/SinglePixelPackedSampleModel createSubsetSampleModel([I)Ljava/awt/image/SampleModel;
java/awt/image/SinglePixelPackedSampleModel

getDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)Ljava/lang/Object;
java/awt/image/SinglePixelPackedSampleModel getPixel(II[ILjava/awt/image/DataBuffer;)[I
java/awt/image/SinglePixelPackedSampleModel getPixels(IIII[ILjava/awt/image/DataBuffer;)[I
java/awt/image/SinglePixelPackedSampleModel getSample(IIILjava/awt/image/DataBuffer;)I
java/awt/image/SinglePixelPackedSampleModel getSamples(IIIII[ILjava/awt/image/DataBuffer;)[I
java/awt/image/SinglePixelPackedSampleModel
setDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)V
java/awt/image/SinglePixelPackedSampleModel setPixel(II[ILjava/awt/image/DataBuffer;)V
java/awt/image/SinglePixelPackedSampleModel setPixels(IIII[ILjava/awt/image/DataBuffer;)V
java/awt/image/SinglePixelPackedSampleModel setSample(IIIILjava/awt/image/DataBuffer;)V
java/awt/image/SinglePixelPackedSampleModel setSamples(IIIII[ILjava/awt/image/DataBuffer;)V
java/awt/image/SinglePixelPackedSampleModel equals(Ljava/lang/Object;)Z
java/awt/image/SinglePixelPackedSampleModel hashCode()I
java/awt/image/SinglePixelPackedSampleModel <clinit>()V
class java/awt/image/DataBufferInt java/awt/image/DataBuffer
java/awt/image/DataBufferInt data
java/awt/image/DataBufferInt bankdata
java/awt/image/DataBufferInt <init>(I)V
java/awt/image/DataBufferInt <init>(II)V
java/awt/image/DataBufferInt <init>([II)V
java/awt/image/DataBufferInt <init>([III)V
java/awt/image/DataBufferInt
<init>([[II)V
java/awt/image/DataBufferInt <init>([[II[I)V
java/awt/image/DataBufferInt getData()[I
java/awt/image/DataBufferInt getData(I)[I
java/awt/image/DataBufferInt getBankData()[[I
java/awt/image/DataBufferInt getElem(I)I
java/awt/image/DataBufferInt getElem(II)I
java/awt/image/DataBufferInt setElem(II)V
java/awt/image/DataBufferInt setElem(III)V
class java/awt/Dialog java/awt/Window
java/awt/Dialog resizable
java/awt/Dialog undecorated
java/awt/Dialog modal
java/awt/Dialog title
java/awt/Dialog keepBlocking
java/awt/Dialog base
java/awt/Dialog nameCounter
java/awt/Dialog serialVersionUID
java/awt/Dialog showAppContext
java/awt/Dialog <init>(Ljava/awt/Frame;)V
java/awt/Dialog <init>(Ljava/awt/Frame;Z)V
java/awt/Dialog <init>(Ljava/awt/Frame;Ljava/lang/String;)V
java/awt/Dialog <init>(Ljava/awt/Frame;Ljava/lang/String;Z)V
java/awt/Dialog <init>(Ljava/awt/Frame;Ljava/lang/String;ZLjava/awt/GraphicsConfiguration;)V
java/awt/Dialog <init>(Ljava/awt/Dialog;)V
java/awt/Dialog

<init>(Ljava/awt/Dialog;Ljava/lang/String;)V
java/awt/Dialog <init>(Ljava/awt/Dialog;Ljava/lang/String;Z)V
java/awt/Dialog <init>(Ljava/awt/Dialog;Ljava/lang/String;ZLjava/awt/GraphicsConfiguration;)V
java/awt/Dialog constructComponentName()Ljava/lang/String;
java/awt/Dialog addNotify()V
java/awt/Dialog isModal()Z
java/awt/Dialog setModal(Z)V
java/awt/Dialog getTitle()Ljava/lang/String;
java/awt/Dialog setTitle(Ljava/lang/String;)V
java/awt/Dialog conditionalShow(Ljava/awt/Component;Ljava/util/concurrent/atomic/AtomicLong;)Z
java/awt/Dialog show()V
java/awt/Dialog interruptBlocking()V
java/awt/Dialog hideAndDisposeHandler()V
java/awt/Dialog hide()V
java/awt/Dialog doDispose()V
java/awt/Dialog isResizable()Z
java/awt/Dialog setResizable(Z)V
java/awt/Dialog setUndecorated(Z)V
java/awt/Dialog isUndecorated()Z
java/awt/Dialog paramString()Ljava/lang/String;
java/awt/Dialog initIDs()V
java/awt/Dialog getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Dialog access$000(Ljava/awt/Dialog;)Z
java/awt/Dialog
<clinit>()V
class java/awt/Canvas java/awt/Component
java/awt/Canvas base
java/awt/Canvas nameCounter
java/awt/Canvas serialVersionUID
java/awt/Canvas <init>()V
java/awt/Canvas <init>(Ljava/awt/GraphicsConfiguration;)V
java/awt/Canvas constructComponentName()Ljava/lang/String;
java/awt/Canvas addNotify()V
java/awt/Canvas paint(Ljava/awt/Graphics;)V
java/awt/Canvas update(Ljava/awt/Graphics;)V
java/awt/Canvas postsOldMouseEvents()Z
java/awt/Canvas createBufferStrategy(I)V
java/awt/Canvas createBufferStrategy(ILjava/awt/BufferCapabilities;)V
java/awt/Canvas getBufferStrategy()Ljava/awt/image/BufferStrategy;
java/awt/Canvas getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Canvas <clinit>()V
class java/awt/image/WritableRaster java/awt/image/Raster
java/awt/image/WritableRaster <init>(Ljava/awt/image/SampleModel;Ljava/awt/Point;)V
java/awt/image/WritableRaster
<init>(Ljava/awt/image/SampleModel;Ljava/awt/image/DataBuffer;Ljava/awt/Point;)V
java/awt/image/WritableRaster
<init>(Ljava/awt/image/SampleModel;Ljava/awt/image/DataBuffer;Ljava/awt/Rectangle;Ljava/awt/Point;Ljava/awt
/image/WritableRaster;)V

java/awt/image/WritableRaster getWritableParent()Ljava/awt/image/WritableRaster;
java/awt/image/WritableRaster createWritableTranslatedChild(II)Ljava/awt/image/WritableRaster;
java/awt/image/WritableRaster createWritableChild(IIIIII[I)Ljava/awt/image/WritableRaster;
java/awt/image/WritableRaster setDataElements(IILjava/lang/Object;)V
java/awt/image/WritableRaster setDataElements(IILjava/awt/image/Raster;)V
java/awt/image/WritableRaster setDataElements(IIIILjava/lang/Object;)V
java/awt/image/WritableRaster setRect(Ljava/awt/image/Raster;)V
java/awt/image/WritableRaster setRect(IILjava/awt/image/Raster;)V
java/awt/image/WritableRaster setPixel(II[I)V
java/awt/image/WritableRaster setPixel(II[F)V
java/awt/image/WritableRaster setPixel(II[D)V
java/awt/image/WritableRaster setPixels(IIII[I)V
java/awt/image/WritableRaster setPixels(IIII[F)V
java/awt/image/WritableRaster
setPixels(IIII[D)V
java/awt/image/WritableRaster setSample(IIII)V
java/awt/image/WritableRaster setSample(IIIF)V
java/awt/image/WritableRaster setSample(IIID)V
java/awt/image/WritableRaster setSamples(IIIII[I)V
java/awt/image/WritableRaster setSamples(IIIII[F)V
java/awt/image/WritableRaster setSamples(IIIII[D)V
class java/awt/image/PixelInterleavedSampleModel java/awt/image/ComponentSampleModel
java/awt/image/PixelInterleavedSampleModel <init>(IIIII[I)V
java/awt/image/PixelInterleavedSampleModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/PixelInterleavedSampleModel createSubsetSampleModel([I)Ljava/awt/image/SampleModel;
java/awt/image/PixelInterleavedSampleModel hashCode()I
class java/awt/image/ComponentSampleModel java/awt/image/SampleModel
java/awt/image/ComponentSampleModel bandOffsets
java/awt/image/ComponentSampleModel bankIndices
java/awt/image/ComponentSampleModel numBands
java/awt/image/ComponentSampleModel
numBanks
java/awt/image/ComponentSampleModel scanlineStride
java/awt/image/ComponentSampleModel pixelStride
java/awt/image/ComponentSampleModel initIDs()V
java/awt/image/ComponentSampleModel <init>(IIIII[I)V
java/awt/image/ComponentSampleModel <init>(IIIII[I[I)V
java/awt/image/ComponentSampleModel getBufferSize()J
java/awt/image/ComponentSampleModel orderBands([II)[I
java/awt/image/ComponentSampleModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/ComponentSampleModel createSubsetSampleModel([I)Ljava/awt/image/SampleModel;
java/awt/image/ComponentSampleModel createDataBuffer()Ljava/awt/image/DataBuffer;
java/awt/image/ComponentSampleModel getOffset(II)I
java/awt/image/ComponentSampleModel getOffset(III)I
java/awt/image/ComponentSampleModel getSampleSize()[I
java/awt/image/ComponentSampleModel getSampleSize(I)I
java/awt/image/ComponentSampleModel getBankIndices()[I
java/awt/image/ComponentSampleModel getBandOffsets()[I

java/awt/image/ComponentSampleModel
getScanlineStride()I
java/awt/image/ComponentSampleModel getPixelStride()I
java/awt/image/ComponentSampleModel getNumDataElements()I
java/awt/image/ComponentSampleModel
getDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)Ljava/lang/Object;
java/awt/image/ComponentSampleModel getPixel(II[ILjava/awt/image/DataBuffer;)[I
java/awt/image/ComponentSampleModel getPixels(IIII[ILjava/awt/image/DataBuffer;)[I
java/awt/image/ComponentSampleModel getSample(IIILjava/awt/image/DataBuffer;)I
java/awt/image/ComponentSampleModel getSampleFloat(IIILjava/awt/image/DataBuffer;)F
java/awt/image/ComponentSampleModel getSampleDouble(IIILjava/awt/image/DataBuffer;)D
java/awt/image/ComponentSampleModel getSamples(IIIII[ILjava/awt/image/DataBuffer;)[I
java/awt/image/ComponentSampleModel setDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)V
java/awt/image/ComponentSampleModel setPixel(II[ILjava/awt/image/DataBuffer;)V
java/awt/image/ComponentSampleModel setPixels(IIII[ILjava/awt/image/DataBuffer;)V
java/awt/image/ComponentSampleModel
setSample(IIIILjava/awt/image/DataBuffer;)V
java/awt/image/ComponentSampleModel setSample(IIIFLjava/awt/image/DataBuffer;)V
java/awt/image/ComponentSampleModel setSample(IIIDLjava/awt/image/DataBuffer;)V
java/awt/image/ComponentSampleModel setSamples(IIIII[ILjava/awt/image/DataBuffer;)V
java/awt/image/ComponentSampleModel equals(Ljava/lang/Object;)Z
java/awt/image/ComponentSampleModel hashCode()I
java/awt/image/ComponentSampleModel <clinit>()V
class java/awt/image/SampleModel java/lang/Object
java/awt/image/SampleModel width
java/awt/image/SampleModel height
java/awt/image/SampleModel numBands
java/awt/image/SampleModel dataType
java/awt/image/SampleModel initIDs()V
java/awt/image/SampleModel <init>(IIII)V
java/awt/image/SampleModel getWidth()I
java/awt/image/SampleModel getHeight()I
java/awt/image/SampleModel getNumBands()I
java/awt/image/SampleModel getNumDataElements()I
java/awt/image/SampleModel getDataType()I
java/awt/image/SampleModel
getTransferType()I
java/awt/image/SampleModel getPixel(II[ILjava/awt/image/DataBuffer;)[I
java/awt/image/SampleModel
getDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)Ljava/lang/Object;
java/awt/image/SampleModel
getDataElements(IIIILjava/lang/Object;Ljava/awt/image/DataBuffer;)Ljava/lang/Object;
java/awt/image/SampleModel setDataElements(IILjava/lang/Object;Ljava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setDataElements(IIIILjava/lang/Object;Ljava/awt/image/DataBuffer;)V
java/awt/image/SampleModel getPixel(II[FLjava/awt/image/DataBuffer;)[F
java/awt/image/SampleModel getPixel(II[DLjava/awt/image/DataBuffer;)[D
java/awt/image/SampleModel getPixels(IIII[ILjava/awt/image/DataBuffer;)[I
java/awt/image/SampleModel getPixels(IIII[FLjava/awt/image/DataBuffer;)[F

java/awt/image/SampleModel getPixels(IIII[DLjava/awt/image/DataBuffer;)[D
java/awt/image/SampleModel getSample(IIILjava/awt/image/DataBuffer;)I
java/awt/image/SampleModel getSampleFloat(IIILjava/awt/image/DataBuffer;)F
java/awt/image/SampleModel
getSampleDouble(IIILjava/awt/image/DataBuffer;)D
java/awt/image/SampleModel getSamples(IIIII[ILjava/awt/image/DataBuffer;)[I
java/awt/image/SampleModel getSamples(IIIII[FLjava/awt/image/DataBuffer;)[F
java/awt/image/SampleModel getSamples(IIIII[DLjava/awt/image/DataBuffer;)[D
java/awt/image/SampleModel setPixel(II[ILjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setPixel(II[FLjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setPixel(II[DLjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setPixels(IIII[ILjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setPixels(IIII[FLjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setPixels(IIII[DLjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setSample(IIIILjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setSample(IIIFLjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setSample(IIIDLjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setSamples(IIIII[ILjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel
setSamples(IIIII[FLjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel setSamples(IIIII[DLjava/awt/image/DataBuffer;)V
java/awt/image/SampleModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/SampleModel createSubsetSampleModel([I)Ljava/awt/image/SampleModel;
java/awt/image/SampleModel createDataBuffer()Ljava/awt/image/DataBuffer;
java/awt/image/SampleModel getSampleSize()[I
java/awt/image/SampleModel getSampleSize(I)I
java/awt/image/SampleModel <clinit>()V
class java/awt/image/DataBufferByte java/awt/image/DataBuffer
java/awt/image/DataBufferByte data
java/awt/image/DataBufferByte bankdata
java/awt/image/DataBufferByte <init>(I)V
java/awt/image/DataBufferByte <init>(II)V
java/awt/image/DataBufferByte <init>([BI)V
java/awt/image/DataBufferByte <init>([BII)V
java/awt/image/DataBufferByte <init>([[BI)V
java/awt/image/DataBufferByte <init>([[BI[I)V
java/awt/image/DataBufferByte getData()[B
java/awt/image/DataBufferByte
getData(I)[B
java/awt/image/DataBufferByte getBankData()[[B
java/awt/image/DataBufferByte getElem(I)I
java/awt/image/DataBufferByte getElem(II)I
java/awt/image/DataBufferByte setElem(II)V
java/awt/image/DataBufferByte setElem(III)V
class java/awt/image/DataBuffer java/lang/Object
java/awt/image/DataBuffer TYPE_BYTE
java/awt/image/DataBuffer TYPE_USHORT
java/awt/image/DataBuffer TYPE_SHORT

java/awt/image/DataBuffer TYPE_INT
java/awt/image/DataBuffer TYPE_FLOAT
java/awt/image/DataBuffer TYPE_DOUBLE
java/awt/image/DataBuffer TYPE_UNDEFINED
java/awt/image/DataBuffer dataType
java/awt/image/DataBuffer banks
java/awt/image/DataBuffer offset
java/awt/image/DataBuffer size
java/awt/image/DataBuffer offsets
java/awt/image/DataBuffer dataTypeSize
java/awt/image/DataBuffer getDataTypeSize(I)I
java/awt/image/DataBuffer <init>(II)V
java/awt/image/DataBuffer <init>(III)V
java/awt/image/DataBuffer <init>(IIII)V
java/awt/image/DataBuffer <init>(III[I)V
java/awt/image/DataBuffer
getDataType()I
java/awt/image/DataBuffer getSize()I
java/awt/image/DataBuffer getOffset()I
java/awt/image/DataBuffer getOffsets()[I
java/awt/image/DataBuffer getNumBanks()I
java/awt/image/DataBuffer getElem(I)I
java/awt/image/DataBuffer getElem(II)I
java/awt/image/DataBuffer setElem(II)V
java/awt/image/DataBuffer setElem(III)V
java/awt/image/DataBuffer getElemFloat(I)F
java/awt/image/DataBuffer getElemFloat(II)F
java/awt/image/DataBuffer setElemFloat(IF)V
java/awt/image/DataBuffer setElemFloat(IIF)V
java/awt/image/DataBuffer getElemDouble(I)D
java/awt/image/DataBuffer getElemDouble(II)D
java/awt/image/DataBuffer setElemDouble(ID)V
java/awt/image/DataBuffer setElemDouble(IID)V
java/awt/image/DataBuffer toIntArray(Ljava/lang/Object;)[I
java/awt/image/DataBuffer <clinit>()V
class java/awt/image/Raster java/lang/Object
java/awt/image/Raster sampleModel
java/awt/image/Raster dataBuffer
java/awt/image/Raster minX
java/awt/image/Raster minY
java/awt/image/Raster width
java/awt/image/Raster
height
java/awt/image/Raster sampleModelTranslateX
java/awt/image/Raster sampleModelTranslateY
java/awt/image/Raster numBands
java/awt/image/Raster numDataElements
java/awt/image/Raster parent

java/awt/image/Raster initIDs()V
java/awt/image/Raster createInterleavedRaster(IIIILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster createInterleavedRaster(IIIII[ILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster createBandedRaster(IIIILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster createBandedRaster(IIII[I[ILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster createPackedRaster(III[ILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster createPackedRaster(IIIIILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster
createInterleavedRaster(Ljava/awt/image/DataBuffer;IIII[ILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster
createBandedRaster(Ljava/awt/image/DataBuffer;III[I[ILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster
createPackedRaster(Ljava/awt/image/DataBuffer;III[ILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster
createPackedRaster(Ljava/awt/image/DataBuffer;IIILjava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster
createRaster(Ljava/awt/image/SampleModel;Ljava/awt/image/DataBuffer;Ljava/awt/Point;)Ljava/awt/image/Raster;
java/awt/image/Raster
createWritableRaster(Ljava/awt/image/SampleModel;Ljava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster
createWritableRaster(Ljava/awt/image/SampleModel;Ljava/awt/image/DataBuffer;Ljava/awt/Point;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster <init>(Ljava/awt/image/SampleModel;Ljava/awt/Point;)V
java/awt/image/Raster <init>(Ljava/awt/image/SampleModel;Ljava/awt/image/DataBuffer;Ljava/awt/Point;)V
java/awt/image/Raster
<init>(Ljava/awt/image/SampleModel;Ljava/awt/image/DataBuffer;Ljava/awt/Rectangle;Ljava/awt/Point;Ljava/awt/image/Raster;)V
java/awt/image/Raster
getParent()Ljava/awt/image/Raster;
java/awt/image/Raster getSampleModelTranslateX()I
java/awt/image/Raster getSampleModelTranslateY()I
java/awt/image/Raster createCompatibleWritableRaster()Ljava/awt/image/WritableRaster;
java/awt/image/Raster createCompatibleWritableRaster(II)Ljava/awt/image/WritableRaster;
java/awt/image/Raster createCompatibleWritableRaster(Ljava/awt/Rectangle;)Ljava/awt/image/WritableRaster;
java/awt/image/Raster createCompatibleWritableRaster(IIII)Ljava/awt/image/WritableRaster;
java/awt/image/Raster createTranslatedChild(II)Ljava/awt/image/Raster;
java/awt/image/Raster createChild(IIIIII[I)Ljava/awt/image/Raster;
java/awt/image/Raster getBounds()Ljava/awt/Rectangle;
java/awt/image/Raster getMinX()I
java/awt/image/Raster getMinY()I
java/awt/image/Raster getWidth()I
java/awt/image/Raster getHeight()I
java/awt/image/Raster getNumBands()I
java/awt/image/Raster getNumDataElements()I
java/awt/image/Raster getTransferType()I
java/awt/image/Raster
getDataBuffer()Ljava/awt/image/DataBuffer;
java/awt/image/Raster getSampleModel()Ljava/awt/image/SampleModel;

java/awt/image/Raster getDataElements(IILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/Raster getDataElements(IIIILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/Raster getPixel(II[I)[I
java/awt/image/Raster getPixel(II[F)[F
java/awt/image/Raster getPixel(II[D)[D
java/awt/image/Raster getPixels(IIII[I)[I
java/awt/image/Raster getPixels(IIII[F)[F
java/awt/image/Raster getPixels(IIII[D)[D
java/awt/image/Raster getSample(III)I
java/awt/image/Raster getSampleFloat(III)F
java/awt/image/Raster getSampleDouble(III)D
java/awt/image/Raster getSamples(IIIII[I)[I
java/awt/image/Raster getSamples(IIIII[F)[F
java/awt/image/Raster getSamples(IIIII[D)[D
java/awt/image/Raster <clinit>()V
class java/net/JarURLConnection java/net/URLConnection
java/net/JarURLConnection jarFileURL
java/net/JarURLConnection entryName
java/net/JarURLConnection jarFileURLConnection
java/net/JarURLConnection
<init>(Ljava/net/URL;)V
java/net/JarURLConnection parseSpecs(Ljava/net/URL;)V
java/net/JarURLConnection getJarFileURL()Ljava/net/URL;
java/net/JarURLConnection getEntryName()Ljava/lang/String;
java/net/JarURLConnection getJarFile()Ljava/util/jar/JarFile;
java/net/JarURLConnection getManifest()Ljava/util/jar/Manifest;
java/net/JarURLConnection getJarEntry()Ljava/util/jar/JarEntry;
java/net/JarURLConnection getAttributes()Ljava/util/jar/Attributes;
java/net/JarURLConnection getMainAttributes()Ljava/util/jar/Attributes;
java/net/JarURLConnection getCertificates()[Ljava/security/cert/Certificate;
class java/awt/image/ImageConsumer java/lang/Object
java/awt/image/ImageConsumer RANDOMPIXELORDER
java/awt/image/ImageConsumer TOPDOWNLEFTRIGHT
java/awt/image/ImageConsumer COMPLETESCANLINES
java/awt/image/ImageConsumer SINGLEPASS
java/awt/image/ImageConsumer SINGLEFRAME
java/awt/image/ImageConsumer IMAGEERROR
java/awt/image/ImageConsumer SINGLEFRAMEDONE
java/awt/image/ImageConsumer
STATICIMAGEDONE
java/awt/image/ImageConsumer IMAGEABORTED
java/awt/image/ImageConsumer setDimensions(II)V
java/awt/image/ImageConsumer setProperties(Ljava/util/Hashtable;)V
java/awt/image/ImageConsumer setColorModel(Ljava/awt/image/ColorModel;)V
java/awt/image/ImageConsumer setHints(I)V
java/awt/image/ImageConsumer setPixels(IIIILjava/awt/image/ColorModel;[BII)V
java/awt/image/ImageConsumer setPixels(IIIILjava/awt/image/ColorModel;[III)V
java/awt/image/ImageConsumer imageComplete(I)V

class java/awt/ImageMediaEntry java/awt/MediaEntry
java/awt/ImageMediaEntry image
java/awt/ImageMediaEntry width
java/awt/ImageMediaEntry height
java/awt/ImageMediaEntry serialVersionUID
java/awt/ImageMediaEntry <init>(Ljava/awt/MediaTracker;Ljava/awt/Image;III)V
java/awt/ImageMediaEntry matches(Ljava/awt/Image;II)Z
java/awt/ImageMediaEntry getMedia()Ljava/lang/Object;
java/awt/ImageMediaEntry getStatus(ZZ)I
java/awt/ImageMediaEntry startLoad()V
java/awt/ImageMediaEntry parseflags(I)I
java/awt/ImageMediaEntry
imageUpdate(Ljava/awt/Image;IIIII)Z
class java/awt/MediaEntry java/lang/Object
java/awt/MediaEntry tracker
java/awt/MediaEntry ID
java/awt/MediaEntry next
java/awt/MediaEntry status
java/awt/MediaEntry cancelled
java/awt/MediaEntry LOADING
java/awt/MediaEntry ABORTED
java/awt/MediaEntry ERRORED
java/awt/MediaEntry COMPLETE
java/awt/MediaEntry LOADSTARTED
java/awt/MediaEntry DONE
java/awt/MediaEntry <init>(Ljava/awt/MediaTracker;I)V
java/awt/MediaEntry getMedia()Ljava/lang/Object;
java/awt/MediaEntry insert(Ljava/awt/MediaEntry;Ljava/awt/MediaEntry;)Ljava/awt/MediaEntry;
java/awt/MediaEntry getID()I
java/awt/MediaEntry startLoad()V
java/awt/MediaEntry cancel()V
java/awt/MediaEntry getStatus(ZZ)I
java/awt/MediaEntry setStatus(I)V
class java/awt/image/ImageProducer java/lang/Object
java/awt/image/ImageProducer addConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/ImageProducer isConsumer(Ljava/awt/image/ImageConsumer;)Z
java/awt/image/ImageProducer removeConsumer(Ljava/awt/image/ImageConsumer;)V
java/awt/image/ImageProducer
startProduction(Ljava/awt/image/ImageConsumer;)V
java/awt/image/ImageProducer requestTopDownLeftRightResend(Ljava/awt/image/ImageConsumer;)V
class java/awt/MediaTracker java/lang/Object
java/awt/MediaTracker target
java/awt/MediaTracker head
java/awt/MediaTracker serialVersionUID
java/awt/MediaTracker LOADING
java/awt/MediaTracker ABORTED
java/awt/MediaTracker ERRORED
java/awt/MediaTracker COMPLETE

java/awt/MediaTracker DONE
java/awt/MediaTracker <init>(Ljava/awt/Component;)V
java/awt/MediaTracker addImage(Ljava/awt/Image;I)V
java/awt/MediaTracker addImage(Ljava/awt/Image;III)V
java/awt/MediaTracker checkAll()Z
java/awt/MediaTracker checkAll(Z)Z
java/awt/MediaTracker checkAll(ZZ)Z
java/awt/MediaTracker isErrorAny()Z
java/awt/MediaTracker getErrorsAny()[Ljava/lang/Object;
java/awt/MediaTracker waitForAll()V
java/awt/MediaTracker waitForAll(J)Z
java/awt/MediaTracker statusAll(Z)I
java/awt/MediaTracker statusAll(ZZ)I
java/awt/MediaTracker
 checkID(I)Z
java/awt/MediaTracker checkID(IZ)Z
java/awt/MediaTracker checkID(IZZ)Z
java/awt/MediaTracker isErrorID(I)Z
java/awt/MediaTracker getErrorsID(I)[Ljava/lang/Object;
java/awt/MediaTracker waitForID(I)V
java/awt/MediaTracker waitForID(IJ)Z
java/awt/MediaTracker statusID(IZ)I
java/awt/MediaTracker statusID(IZZ)I
java/awt/MediaTracker removeImage(Ljava/awt/Image;)V
java/awt/MediaTracker removeImage(Ljava/awt/Image;I)V
java/awt/MediaTracker removeImage(Ljava/awt/Image;III)V
java/awt/MediaTracker setDone()V
class java/net/ConnectException java/net/SocketException
java/net/ConnectException <init>(Ljava/lang/String;)V
java/net/ConnectException <init>()V
class java/net/SocketException java/io/IOException
java/net/SocketException <init>(Ljava/lang/String;)V
java/net/SocketException <init>()V
class java/util/Collections$SynchronizedCollection java/lang/Object
java/util/Collections$SynchronizedCollection serialVersionUID
java/util/Collections$SynchronizedCollection c
java/util/Collections$SynchronizedCollection
 mutex
java/util/Collections$SynchronizedCollection <init>(Ljava/util/Collection;)V
java/util/Collections$SynchronizedCollection <init>(Ljava/util/Collection;Ljava/lang/Object;)V
java/util/Collections$SynchronizedCollection size()I
java/util/Collections$SynchronizedCollection isEmpty()Z
java/util/Collections$SynchronizedCollection contains(Ljava/lang/Object;)Z
java/util/Collections$SynchronizedCollection toArray()[Ljava/lang/Object;
java/util/Collections$SynchronizedCollection toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/Collections$SynchronizedCollection iterator()Ljava/util/Iterator;
java/util/Collections$SynchronizedCollection add(Ljava/lang/Object;)Z
java/util/Collections$SynchronizedCollection remove(Ljava/lang/Object;)Z

java/util/Collections$SynchronizedCollection containsAll(Ljava/util/Collection;)Z
java/util/Collections$SynchronizedCollection addAll(Ljava/util/Collection;)Z
java/util/Collections$SynchronizedCollection removeAll(Ljava/util/Collection;)Z
java/util/Collections$SynchronizedCollection
retainAll(Ljava/util/Collection;)Z
java/util/Collections$SynchronizedCollection clear()V
java/util/Collections$SynchronizedCollection toString()Ljava/lang/String;
java/util/Collections$SynchronizedCollection writeObject(Ljava/io/ObjectOutputStream;)V
class java/util/Hashtable$ValueCollection java/util/AbstractCollection
java/util/Hashtable$ValueCollection this$0
java/util/Hashtable$ValueCollection <init>(Ljava/util/Hashtable;)V
java/util/Hashtable$ValueCollection iterator()Ljava/util/Iterator;
java/util/Hashtable$ValueCollection size()I
java/util/Hashtable$ValueCollection contains(Ljava/lang/Object;)Z
java/util/Hashtable$ValueCollection clear()V
java/util/Hashtable$ValueCollection <init>(Ljava/util/Hashtable;Ljava/util/Hashtable$1;)V
class java/net/Proxy$Type java/lang/Enum
java/net/Proxy$Type DIRECT
java/net/Proxy$Type HTTP
java/net/Proxy$Type SOCKS
java/net/Proxy$Type $VALUES
java/net/Proxy$Type values()[Ljava/net/Proxy$Type;
java/net/Proxy$Type
valueOf(Ljava/lang/String;)Ljava/net/Proxy$Type;
java/net/Proxy$Type <init>(Ljava/lang/String;I)V
java/net/Proxy$Type <clinit>()V
class java/net/Proxy java/lang/Object
java/net/Proxy type
java/net/Proxy sa
java/net/Proxy NO_PROXY
java/net/Proxy <init>()V
java/net/Proxy <init>(Ljava/net/Proxy$Type;Ljava/net/SocketAddress;)V
java/net/Proxy type()Ljava/net/Proxy$Type;
java/net/Proxy address()Ljava/net/SocketAddress;
java/net/Proxy toString()Ljava/lang/String;
java/net/Proxy equals(Ljava/lang/Object;)Z
java/net/Proxy hashCode()I
java/net/Proxy <clinit>()V
class java/net/URI$Parser java/lang/Object
java/net/URI$Parser input
java/net/URI$Parser requireServerAuthority
java/net/URI$Parser ipv6byteCount
java/net/URI$Parser this$0
java/net/URI$Parser <init>(Ljava/net/URI;Ljava/lang/String;)V
java/net/URI$Parser fail(Ljava/lang/String;)V
java/net/URI$Parser fail(Ljava/lang/String;I)V
java/net/URI$Parser failExpecting(Ljava/lang/String;I)V
java/net/URI$Parser failExpecting(Ljava/lang/String;Ljava/lang/String;I)V

java/net/URI$Parser
 substring(II)Ljava/lang/String;
java/net/URI$Parser charAt(I)C
java/net/URI$Parser at(IIC)Z
java/net/URI$Parser at(IILjava/lang/String;)Z
java/net/URI$Parser scan(IIC)I
java/net/URI$Parser scan(IILjava/lang/String;Ljava/lang/String;)I
java/net/URI$Parser scanEscape(IIC)I
java/net/URI$Parser scan(IIJJ)I
java/net/URI$Parser checkChars(IIJJLjava/lang/String;)V
java/net/URI$Parser checkChar(IJJLjava/lang/String;)V
java/net/URI$Parser parse(Z)V
java/net/URI$Parser parseHierarchical(II)I
java/net/URI$Parser parseAuthority(II)I
java/net/URI$Parser parseServer(II)I
java/net/URI$Parser scanByte(II)I
java/net/URI$Parser scanIPv4Address(IIZ)I
java/net/URI$Parser takeIPv4Address(IILjava/lang/String;)I
java/net/URI$Parser parseIPv4Address(II)I
java/net/URI$Parser parseHostname(II)I
java/net/URI$Parser parseIPv6Reference(II)I
java/net/URI$Parser scanHexPost(II)I
java/net/URI$Parser scanHexSeq(II)I
class java/net/URI java/lang/Object
java/net/URI
 serialVersionUID
java/net/URI scheme
java/net/URI fragment
java/net/URI authority
java/net/URI userInfo
java/net/URI host
java/net/URI port
java/net/URI path
java/net/URI query
java/net/URI schemeSpecificPart
java/net/URI hash
java/net/URI decodedUserInfo
java/net/URI decodedAuthority
java/net/URI decodedPath
java/net/URI decodedQuery
java/net/URI decodedFragment
java/net/URI decodedSchemeSpecificPart
java/net/URI string
java/net/URI L_DIGIT
java/net/URI H_DIGIT
java/net/URI L_UPALPHA
java/net/URI H_UPALPHA
java/net/URI L_LOWALPHA

java/net/URI H_LOWALPHA
java/net/URI L_ALPHA
java/net/URI H_ALPHA
java/net/URI L_ALPHANUM
java/net/URI H_ALPHANUM
java/net/URI L_HEX
java/net/URI H_HEX
java/net/URI L_MARK
java/net/URI H_MARK
java/net/URI L_UNRESERVED
java/net/URI H_UNRESERVED
java/net/URI L_RESERVED
java/net/URI H_RESERVED
java/net/URI L_ESCAPED
java/net/URI H_ESCAPED
java/net/URI L_URIC
java/net/URI H_URIC
java/net/URI L_PCHAR
java/net/URI H_PCHAR
java/net/URI L_PATH
java/net/URI
H_PATH
java/net/URI L_DASH
java/net/URI H_DASH
java/net/URI L_DOT
java/net/URI H_DOT
java/net/URI L_USERINFO
java/net/URI H_USERINFO
java/net/URI L_REG_NAME
java/net/URI H_REG_NAME
java/net/URI L_SERVER
java/net/URI H_SERVER
java/net/URI L_SERVER_PERCENT
java/net/URI H_SERVER_PERCENT
java/net/URI L_LEFT_BRACKET
java/net/URI H_LEFT_BRACKET
java/net/URI L_SCHEME
java/net/URI H_SCHEME
java/net/URI L_URIC_NO_SLASH
java/net/URI H_URIC_NO_SLASH
java/net/URI hexDigits
java/net/URI $assertionsDisabled
java/net/URI <init>()V
java/net/URI <init>(Ljava/lang/String;)V
java/net/URI
<init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;ILjava/lang/String;Ljava/lang/String;Ljava/lang/String;
)V
java/net/URI <init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V

java/net/URI <init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/net/URI <init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/net/URI create(Ljava/lang/String;)Ljava/net/URI;
java/net/URI
parseServerAuthority()Ljava/net/URI;
java/net/URI normalize()Ljava/net/URI;
java/net/URI resolve(Ljava/net/URI;)Ljava/net/URI;
java/net/URI resolve(Ljava/lang/String;)Ljava/net/URI;
java/net/URI relativize(Ljava/net/URI;)Ljava/net/URI;
java/net/URI toURL()Ljava/net/URL;
java/net/URI getScheme()Ljava/lang/String;
java/net/URI isAbsolute()Z
java/net/URI isOpaque()Z
java/net/URI getRawSchemeSpecificPart()Ljava/lang/String;
java/net/URI getSchemeSpecificPart()Ljava/lang/String;
java/net/URI getRawAuthority()Ljava/lang/String;
java/net/URI getAuthority()Ljava/lang/String;
java/net/URI getRawUserInfo()Ljava/lang/String;
java/net/URI getUserInfo()Ljava/lang/String;
java/net/URI getHost()Ljava/lang/String;
java/net/URI getPort()I
java/net/URI getRawPath()Ljava/lang/String;
java/net/URI getPath()Ljava/lang/String;
java/net/URI getRawQuery()Ljava/lang/String;
java/net/URI getQuery()Ljava/lang/String;
java/net/URI getRawFragment()Ljava/lang/String;
java/net/URI
getFragment()Ljava/lang/String;
java/net/URI equals(Ljava/lang/Object;)Z
java/net/URI hashCode()I
java/net/URI compareTo(Ljava/net/URI;)I
java/net/URI toString()Ljava/lang/String;
java/net/URI toASCIIString()Ljava/lang/String;
java/net/URI writeObject(Ljava/io/ObjectOutputStream;)V
java/net/URI readObject(Ljava/io/ObjectInputStream;)V
java/net/URI toLower(C)I
java/net/URI equal(Ljava/lang/String;Ljava/lang/String;)Z
java/net/URI equalIgnoringCase(Ljava/lang/String;Ljava/lang/String;)Z
java/net/URI hash(ILjava/lang/String;)I
java/net/URI hashIgnoringCase(ILjava/lang/String;)I
java/net/URI compare(Ljava/lang/String;Ljava/lang/String;)I
java/net/URI compareIgnoringCase(Ljava/lang/String;Ljava/lang/String;)I
java/net/URI checkPath(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/net/URI appendAuthority(Ljava/lang/StringBuffer;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;I)V
java/net/URI
appendSchemeSpecificPart(Ljava/lang/StringBuffer;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;ILjava/lang/String;Ljava/lang/String;)V
java/net/URI

appendFragment(Ljava/lang/StringBuffer;Ljava/lang/String;)V
java/net/URI
toString(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;ILjava/lang/Strin
g;Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/net/URI defineSchemeSpecificPart()V
java/net/URI defineString()V
java/net/URI resolvePath(Ljava/lang/String;Ljava/lang/String;Z)Ljava/lang/String;
java/net/URI resolve(Ljava/net/URI;Ljava/net/URI;)Ljava/net/URI;
java/net/URI normalize(Ljava/net/URI;)Ljava/net/URI;
java/net/URI relativize(Ljava/net/URI;Ljava/net/URI;)Ljava/net/URI;
java/net/URI needsNormalization(Ljava/lang/String;)I
java/net/URI split([C[I)V
java/net/URI join([C[I)I
java/net/URI removeDots([C[I)V
java/net/URI maybeAddLeadingDot([C[I)V
java/net/URI normalize(Ljava/lang/String;)Ljava/lang/String;
java/net/URI lowMask(Ljava/lang/String;)J
java/net/URI highMask(Ljava/lang/String;)J
java/net/URI
lowMask(CC)J
java/net/URI highMask(CC)J
java/net/URI match(CJJ)Z
java/net/URI appendEscape(Ljava/lang/StringBuffer;B)V
java/net/URI appendEncoded(Ljava/lang/StringBuffer;C)V
java/net/URI quote(Ljava/lang/String;JJ)Ljava/lang/String;
java/net/URI encode(Ljava/lang/String;)Ljava/lang/String;
java/net/URI decode(C)I
java/net/URI decode(CC)B
java/net/URI decode(Ljava/lang/String;)Ljava/lang/String;
java/net/URI compareTo(Ljava/lang/Object;)I
java/net/URI access$002(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI access$100()J
java/net/URI access$200()J
java/net/URI access$300(CJJ)Z
java/net/URI access$400()J
java/net/URI access$500()J
java/net/URI access$600()J
java/net/URI access$702(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI access$800()J
java/net/URI access$900()J
java/net/URI access$1002(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI access$1102(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI
access$1200()J
java/net/URI access$1300()J
java/net/URI access$1402(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI access$1502(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI access$1600()J

java/net/URI access$1700()J
java/net/URI access$1800()J
java/net/URI access$1900()J
java/net/URI access$2000()J
java/net/URI access$2100()J
java/net/URI access$2202(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI access$2302(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI access$2402(Ljava/net/URI;Ljava/lang/String;)Ljava/lang/String;
java/net/URI access$2502(Ljava/net/URI;I)I
java/net/URI access$2600()J
java/net/URI access$2700()J
java/net/URI access$2800()J
java/net/URI access$2900()J
java/net/URI access$3000()J
java/net/URI access$3100()J
java/net/URI access$3200()J
java/net/URI access$3300()J
java/net/URI access$3400()J
java/net/URI <clinit>()V
class java/net/Inet6Address java/net/InetAddress
java/net/Inet6Address INADDRSZ
java/net/Inet6Address
 cached_scope_id
java/net/Inet6Address ipaddress
java/net/Inet6Address scope_id
java/net/Inet6Address scope_id_set
java/net/Inet6Address scope_ifname
java/net/Inet6Address scope_ifname_set
java/net/Inet6Address serialVersionUID
java/net/Inet6Address INT16SZ
java/net/Inet6Address ifname
java/net/Inet6Address $assertionsDisabled
java/net/Inet6Address <init>()V
java/net/Inet6Address <init>(Ljava/lang/String;[BI)V
java/net/Inet6Address <init>(Ljava/lang/String;[B)V
java/net/Inet6Address <init>(Ljava/lang/String;[BLjava/net/NetworkInterface;)V
java/net/Inet6Address <init>(Ljava/lang/String;[BLjava/lang/String;)V
java/net/Inet6Address getByAddress(Ljava/lang/String;[BLjava/net/NetworkInterface;)Ljava/net/Inet6Address;
java/net/Inet6Address getByAddress(Ljava/lang/String;[BI)Ljava/net/Inet6Address;
java/net/Inet6Address initstr(Ljava/lang/String;[BLjava/lang/String;)V
java/net/Inet6Address initif(Ljava/lang/String;[BLjava/net/NetworkInterface;)V
java/net/Inet6Address differentLocalAddressTypes(Ljava/net/Inet6Address;)Z
java/net/Inet6Address
 deriveNumericScope(Ljava/net/NetworkInterface;)I
java/net/Inet6Address deriveNumericScope(Ljava/lang/String;)I
java/net/Inet6Address readObject(Ljava/io/ObjectInputStream;)V
java/net/Inet6Address isMulticastAddress()Z
java/net/Inet6Address isAnyLocalAddress()Z

java/net/Inet6Address isLoopbackAddress()Z
java/net/Inet6Address isLinkLocalAddress()Z
java/net/Inet6Address isSiteLocalAddress()Z
java/net/Inet6Address isMCGlobal()Z
java/net/Inet6Address isMCNodeLocal()Z
java/net/Inet6Address isMCLinkLocal()Z
java/net/Inet6Address isMCSiteLocal()Z
java/net/Inet6Address isMCOrgLocal()Z
java/net/Inet6Address getAddress()[B
java/net/Inet6Address getScopeId()I
java/net/Inet6Address getScopedInterface()Ljava/net/NetworkInterface;
java/net/Inet6Address getHostAddress()Ljava/lang/String;
java/net/Inet6Address hashCode()I
java/net/Inet6Address equals(Ljava/lang/Object;)Z
java/net/Inet6Address isIPv4CompatibleAddress()Z
java/net/Inet6Address
numericToTextFormat([B)Ljava/lang/String;
java/net/Inet6Address init()V
java/net/Inet6Address writeObject(Ljava/io/ObjectOutputStream;)V
java/net/Inet6Address <clinit>()V
class java/net/InetAddress$CacheEntry java/lang/Object
java/net/InetAddress$CacheEntry address
java/net/InetAddress$CacheEntry expiration
java/net/InetAddress$CacheEntry <init>(Ljava/lang/Object;J)V
class java/util/regex/Pattern$GroupCurly java/util/regex/Pattern$Node
java/util/regex/Pattern$GroupCurly atom
java/util/regex/Pattern$GroupCurly type
java/util/regex/Pattern$GroupCurly cmin
java/util/regex/Pattern$GroupCurly cmax
java/util/regex/Pattern$GroupCurly localIndex
java/util/regex/Pattern$GroupCurly groupIndex
java/util/regex/Pattern$GroupCurly capture
java/util/regex/Pattern$GroupCurly <init>(Ljava/util/regex/Pattern$Node;IIIIIZ)V
java/util/regex/Pattern$GroupCurly match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$GroupCurly match0(Ljava/util/regex/Matcher;IILjava/lang/CharSequence;)Z
java/util/regex/Pattern$GroupCurly
match1(Ljava/util/regex/Matcher;IILjava/lang/CharSequence;)Z
java/util/regex/Pattern$GroupCurly match2(Ljava/util/regex/Matcher;IILjava/lang/CharSequence;)Z
java/util/regex/Pattern$GroupCurly study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/ASCII java/lang/Object
java/util/regex/ASCII UPPER
java/util/regex/ASCII LOWER
java/util/regex/ASCII DIGIT
java/util/regex/ASCII SPACE
java/util/regex/ASCII PUNCT
java/util/regex/ASCII CNTRL
java/util/regex/ASCII BLANK
java/util/regex/ASCII HEX

java/util/regex/ASCII UNDER
java/util/regex/ASCII ASCII
java/util/regex/ASCII ALPHA
java/util/regex/ASCII ALNUM
java/util/regex/ASCII GRAPH
java/util/regex/ASCII WORD
java/util/regex/ASCII XDIGIT
java/util/regex/ASCII ctype
java/util/regex/ASCII <init>()V
java/util/regex/ASCII getType(I)I
java/util/regex/ASCII isType(II)Z
java/util/regex/ASCII isAscii(I)Z
java/util/regex/ASCII isAlpha(I)Z
java/util/regex/ASCII isDigit(I)Z
java/util/regex/ASCII isAlnum(I)Z
java/util/regex/ASCII
 isGraph(I)Z
java/util/regex/ASCII isPrint(I)Z
java/util/regex/ASCII isPunct(I)Z
java/util/regex/ASCII isSpace(I)Z
java/util/regex/ASCII isHexDigit(I)Z
java/util/regex/ASCII isOctDigit(I)Z
java/util/regex/ASCII isCntrl(I)Z
java/util/regex/ASCII isLower(I)Z
java/util/regex/ASCII isUpper(I)Z
java/util/regex/ASCII isWord(I)Z
java/util/regex/ASCII toDigit(I)I
java/util/regex/ASCII toLower(I)I
java/util/regex/ASCII toUpper(I)I
java/util/regex/ASCII <clinit>()V
class java/net/ProxySelector java/lang/Object
java/net/ProxySelector theProxySelector
java/net/ProxySelector <init>()V
java/net/ProxySelector getDefault()Ljava/net/ProxySelector;
java/net/ProxySelector setDefault(Ljava/net/ProxySelector;)V
java/net/ProxySelector select(Ljava/net/URI;)Ljava/util/List;
java/net/ProxySelector connectFailed(Ljava/net/URI;Ljava/net/SocketAddress;Ljava/io/IOException;)V
java/net/ProxySelector <clinit>()V
class java/net/SocksSocketImpl$5 java/lang/Object
java/net/SocksSocketImpl$5
 this$0
java/net/SocksSocketImpl$5 <init>(Ljava/net/SocksSocketImpl;)V
java/net/SocksSocketImpl$5 run()Ljava/lang/Object;
class java/net/SocksSocketImpl java/net/PlainSocketImpl
java/net/SocksSocketImpl server
java/net/SocksSocketImpl port
java/net/SocksSocketImpl external_address
java/net/SocksSocketImpl useV4

java/net/SocksSocketImpl cmdsock
java/net/SocksSocketImpl cmdIn
java/net/SocksSocketImpl cmdOut
java/net/SocksSocketImpl $assertionsDisabled
java/net/SocksSocketImpl <init>()V
java/net/SocksSocketImpl <init>(Ljava/lang/String;I)V
java/net/SocksSocketImpl <init>(Ljava/net/Proxy;)V
java/net/SocksSocketImpl setV4()V
java/net/SocksSocketImpl privilegedConnect(Ljava/lang/String;II)V
java/net/SocksSocketImpl superConnectServer(Ljava/lang/String;II)V
java/net/SocksSocketImpl readSocksReply(Ljava/io/InputStream;[B)I
java/net/SocksSocketImpl authenticate(BLjava/io/InputStream;Ljava/io/BufferedOutputStream;)Z
java/net/SocksSocketImpl connectV4(Ljava/io/InputStream;Ljava/io/OutputStream;Ljava/net/InetSocketAddress;)V
java/net/SocksSocketImpl
 connect(Ljava/net/SocketAddress;I)V
java/net/SocksSocketImpl bindV4(Ljava/io/InputStream;Ljava/io/OutputStream;Ljava/net/InetAddress;I)V
java/net/SocksSocketImpl socksBind(Ljava/net/InetSocketAddress;)V
java/net/SocksSocketImpl acceptFrom(Ljava/net/SocketImpl;Ljava/net/InetSocketAddress;)V
java/net/SocksSocketImpl getInetAddress()Ljava/net/InetAddress;
java/net/SocksSocketImpl getPort()I
java/net/SocksSocketImpl getLocalPort()I
java/net/SocksSocketImpl close()V
java/net/SocksSocketImpl access$000(Ljava/net/SocksSocketImpl;Ljava/lang/String;II)V
java/net/SocksSocketImpl access$102(Ljava/net/SocksSocketImpl;Ljava/io/InputStream;)Ljava/io/InputStream;
java/net/SocksSocketImpl access$202(Ljava/net/SocksSocketImpl;Ljava/io/OutputStream;)Ljava/io/OutputStream;
java/net/SocksSocketImpl access$300(Ljava/net/SocksSocketImpl;)Ljava/lang/String;
java/net/SocksSocketImpl access$400(Ljava/net/SocksSocketImpl;)I
java/net/SocksSocketImpl access$502(Ljava/net/SocksSocketImpl;Ljava/net/Socket;)Ljava/net/Socket;
java/net/SocksSocketImpl
 access$500(Ljava/net/SocksSocketImpl;)Ljava/net/Socket;
java/net/SocksSocketImpl <clinit>()V
class java/net/PlainSocketImpl java/net/SocketImpl
java/net/PlainSocketImpl timeout
java/net/PlainSocketImpl trafficClass
java/net/PlainSocketImpl shut_rd
java/net/PlainSocketImpl shut_wr
java/net/PlainSocketImpl socketInputStream
java/net/PlainSocketImpl fdUseCount
java/net/PlainSocketImpl fdLock
java/net/PlainSocketImpl closePending
java/net/PlainSocketImpl CONNECTION_NOT_RESET
java/net/PlainSocketImpl CONNECTION_RESET_PENDING
java/net/PlainSocketImpl CONNECTION_RESET
java/net/PlainSocketImpl resetState
java/net/PlainSocketImpl resetLock
java/net/PlainSocketImpl fd1
java/net/PlainSocketImpl anyLocalBoundAddr
java/net/PlainSocketImpl lastfd

java/net/PlainSocketImpl SHUT_RD
java/net/PlainSocketImpl SHUT_WR
java/net/PlainSocketImpl <init>()V
java/net/PlainSocketImpl <init>(Ljava/io/FileDescriptor;)V
java/net/PlainSocketImpl
create(Z)V
java/net/PlainSocketImpl connect(Ljava/lang/String;I)V
java/net/PlainSocketImpl connect(Ljava/net/InetAddress;I)V
java/net/PlainSocketImpl connect(Ljava/net/SocketAddress;I)V
java/net/PlainSocketImpl connectToAddress(Ljava/net/InetAddress;II)V
java/net/PlainSocketImpl setOption(ILjava/lang/Object;)V
java/net/PlainSocketImpl getOption(I)Ljava/lang/Object;
java/net/PlainSocketImpl doConnect(Ljava/net/InetAddress;II)V
java/net/PlainSocketImpl bind(Ljava/net/InetAddress;I)V
java/net/PlainSocketImpl listen(I)V
java/net/PlainSocketImpl accept(Ljava/net/SocketImpl;)V
java/net/PlainSocketImpl getInputStream()Ljava/io/InputStream;
java/net/PlainSocketImpl setInputStream(Ljava/net/SocketInputStream;)V
java/net/PlainSocketImpl getOutputStream()Ljava/io/OutputStream;
java/net/PlainSocketImpl available()I
java/net/PlainSocketImpl close()V
java/net/PlainSocketImpl shutdownInput()V
java/net/PlainSocketImpl shutdownOutput()V
java/net/PlainSocketImpl supportsUrgentData()Z
java/net/PlainSocketImpl
sendUrgentData(I)V
java/net/PlainSocketImpl finalize()V
java/net/PlainSocketImpl acquireFD()Ljava/io/FileDescriptor;
java/net/PlainSocketImpl releaseFD()V
java/net/PlainSocketImpl isConnectionReset()Z
java/net/PlainSocketImpl isConnectionResetPending()Z
java/net/PlainSocketImpl setConnectionReset()V
java/net/PlainSocketImpl setConnectionResetPending()V
java/net/PlainSocketImpl isClosedOrPending()Z
java/net/PlainSocketImpl getTimeout()I
java/net/PlainSocketImpl socketPreClose()V
java/net/PlainSocketImpl socketClose()V
java/net/PlainSocketImpl socketCreate(Z)V
java/net/PlainSocketImpl socketConnect(Ljava/net/InetAddress;II)V
java/net/PlainSocketImpl socketBind(Ljava/net/InetAddress;I)V
java/net/PlainSocketImpl socketListen(I)V
java/net/PlainSocketImpl socketAccept(Ljava/net/SocketImpl;)V
java/net/PlainSocketImpl socketAvailable()I
java/net/PlainSocketImpl socketClose0(Z)V
java/net/PlainSocketImpl socketShutdown(I)V
java/net/PlainSocketImpl initProto()V
java/net/PlainSocketImpl

socketSetOption(IZLjava/lang/Object;)V
java/net/PlainSocketImpl socketGetOption(ILjava/lang/Object;)I
java/net/PlainSocketImpl socketGetOption1(ILjava/lang/Object;Ljava/io/FileDescriptor;)I
java/net/PlainSocketImpl socketSendUrgentData(I)V
java/net/PlainSocketImpl <clinit>()V
class java/net/SocketImpl java/lang/Object
java/net/SocketImpl socket
java/net/SocketImpl serverSocket
java/net/SocketImpl fd
java/net/SocketImpl address
java/net/SocketImpl port
java/net/SocketImpl localport
java/net/SocketImpl <init>()V
java/net/SocketImpl create(Z)V
java/net/SocketImpl connect(Ljava/lang/String;I)V
java/net/SocketImpl connect(Ljava/net/InetAddress;I)V
java/net/SocketImpl connect(Ljava/net/SocketAddress;I)V
java/net/SocketImpl bind(Ljava/net/InetAddress;I)V
java/net/SocketImpl listen(I)V
java/net/SocketImpl accept(Ljava/net/SocketImpl;)V
java/net/SocketImpl getInputStream()Ljava/io/InputStream;
java/net/SocketImpl getOutputStream()Ljava/io/OutputStream;
java/net/SocketImpl available()I
java/net/SocketImpl
close()V
java/net/SocketImpl shutdownInput()V
java/net/SocketImpl shutdownOutput()V
java/net/SocketImpl getFileDescriptor()Ljava/io/FileDescriptor;
java/net/SocketImpl getInetAddress()Ljava/net/InetAddress;
java/net/SocketImpl getPort()I
java/net/SocketImpl supportsUrgentData()Z
java/net/SocketImpl sendUrgentData(I)V
java/net/SocketImpl getLocalPort()I
java/net/SocketImpl setSocket(Ljava/net/Socket;)V
java/net/SocketImpl getSocket()Ljava/net/Socket;
java/net/SocketImpl setServerSocket(Ljava/net/ServerSocket;)V
java/net/SocketImpl getServerSocket()Ljava/net/ServerSocket;
java/net/SocketImpl toString()Ljava/lang/String;
java/net/SocketImpl reset()V
java/net/SocketImpl setPerformancePreferences(III)V
class java/net/SocketOptions java/lang/Object
java/net/SocketOptions TCP_NODELAY
java/net/SocketOptions SO_BINDADDR
java/net/SocketOptions SO_REUSEADDR
java/net/SocketOptions SO_BROADCAST
java/net/SocketOptions IP_MULTICAST_IF
java/net/SocketOptions IP_MULTICAST_IF2
java/net/SocketOptions

IP_MULTICAST_LOOP
java/net/SocketOptions IP_TOS
java/net/SocketOptions SO_LINGER
java/net/SocketOptions SO_TIMEOUT
java/net/SocketOptions SO_SNDBUF
java/net/SocketOptions SO_RCVBUF
java/net/SocketOptions SO_KEEPALIVE
java/net/SocketOptions SO_OOBINLINE
java/net/SocketOptions setOption(ILjava/lang/Object;)V
java/net/SocketOptions getOption(I)Ljava/lang/Object;
class java/net/SocksConsts java/lang/Object
java/net/SocksConsts PROTO_VERS4
java/net/SocksConsts PROTO_VERS
java/net/SocksConsts DEFAULT_PORT
java/net/SocksConsts NO_AUTH
java/net/SocksConsts GSSAPI
java/net/SocksConsts USER_PASSW
java/net/SocksConsts NO_METHODS
java/net/SocksConsts CONNECT
java/net/SocksConsts BIND
java/net/SocksConsts UDP_ASSOC
java/net/SocksConsts IPV4
java/net/SocksConsts DOMAIN_NAME
java/net/SocksConsts IPV6
java/net/SocksConsts REQUEST_OK
java/net/SocksConsts GENERAL_FAILURE
java/net/SocksConsts NOT_ALLOWED
java/net/SocksConsts NET_UNREACHABLE
java/net/SocksConsts HOST_UNREACHABLE
java/net/SocksConsts
CONN_REFUSED
java/net/SocksConsts TTL_EXPIRED
java/net/SocksConsts CMD_NOT_SUPPORTED
java/net/SocksConsts ADDR_TYPE_NOT_SUP
class java/net/InetSocketAddress java/net/SocketAddress
java/net/InetSocketAddress hostname
java/net/InetSocketAddress addr
java/net/InetSocketAddress port
java/net/InetSocketAddress serialVersionUID
java/net/InetSocketAddress <init>()V
java/net/InetSocketAddress <init>(I)V
java/net/InetSocketAddress <init>(Ljava/net/InetAddress;I)V
java/net/InetSocketAddress <init>(Ljava/lang/String;I)V
java/net/InetSocketAddress createUnresolved(Ljava/lang/String;I)Ljava/net/InetSocketAddress;
java/net/InetSocketAddress readObject(Ljava/io/ObjectInputStream;)V
java/net/InetSocketAddress getPort()I
java/net/InetSocketAddress getAddress()Ljava/net/InetAddress;
java/net/InetSocketAddress getHostName()Ljava/lang/String;

java/net/InetSocketAddress getHostString()Ljava/lang/String;
java/net/InetSocketAddress isUnresolved()Z
java/net/InetSocketAddress toString()Ljava/lang/String;
java/net/InetSocketAddress
 equals(Ljava/lang/Object;)Z
java/net/InetSocketAddress hashCode()I
class java/net/SocketAddress java/lang/Object
java/net/SocketAddress <init>()V
class java/net/Inet4Address java/net/InetAddress
java/net/Inet4Address INADDRSZ
java/net/Inet4Address serialVersionUID
java/net/Inet4Address loopback
java/net/Inet4Address <init>()V
java/net/Inet4Address <init>(Ljava/lang/String;[B)V
java/net/Inet4Address <init>(Ljava/lang/String;I)V
java/net/Inet4Address writeReplace()Ljava/lang/Object;
java/net/Inet4Address isMulticastAddress()Z
java/net/Inet4Address isAnyLocalAddress()Z
java/net/Inet4Address isLoopbackAddress()Z
java/net/Inet4Address isLinkLocalAddress()Z
java/net/Inet4Address isSiteLocalAddress()Z
java/net/Inet4Address isMCGlobal()Z
java/net/Inet4Address isMCNodeLocal()Z
java/net/Inet4Address isMCLinkLocal()Z
java/net/Inet4Address isMCSiteLocal()Z
java/net/Inet4Address isMCOrgLocal()Z
java/net/Inet4Address getAddress()[B
java/net/Inet4Address getHostAddress()Ljava/lang/String;
java/net/Inet4Address
 hashCode()I
java/net/Inet4Address equals(Ljava/lang/Object;)Z
java/net/Inet4Address numericToTextFormat([B)Ljava/lang/String;
java/net/Inet4Address init()V
java/net/Inet4Address <clinit>()V
class java/util/SubList$1 java/lang/Object
java/util/SubList$1 i
java/util/SubList$1 val$index
java/util/SubList$1 this$0
java/util/SubList$1 <init>(Ljava/util/SubList;I)V
java/util/SubList$1 hasNext()Z
java/util/SubList$1 next()Ljava/lang/Object;
java/util/SubList$1 hasPrevious()Z
java/util/SubList$1 previous()Ljava/lang/Object;
java/util/SubList$1 nextIndex()I
java/util/SubList$1 previousIndex()I
java/util/SubList$1 remove()V
java/util/SubList$1 set(Ljava/lang/Object;)V
java/util/SubList$1 add(Ljava/lang/Object;)V

class java/util/RandomAccessSubList java/util/SubList
java/util/RandomAccessSubList <init>(Ljava/util/AbstractList;II)V
java/util/RandomAccessSubList subList(II)Ljava/util/List;
class java/util/SubList java/util/AbstractList
java/util/SubList
l
java/util/SubList offset
java/util/SubList size
java/util/SubList expectedModCount
java/util/SubList <init>(Ljava/util/AbstractList;II)V
java/util/SubList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/SubList get(I)Ljava/lang/Object;
java/util/SubList size()I
java/util/SubList add(ILjava/lang/Object;)V
java/util/SubList remove(I)Ljava/lang/Object;
java/util/SubList removeRange(II)V
java/util/SubList addAll(Ljava/util/Collection;)Z
java/util/SubList addAll(ILjava/util/Collection;)Z
java/util/SubList iterator()Ljava/util/Iterator;
java/util/SubList listIterator(I)Ljava/util/ListIterator;
java/util/SubList subList(II)Ljava/util/List;
java/util/SubList rangeCheck(I)V
java/util/SubList checkForComodification()V
java/util/SubList access$000(Ljava/util/SubList;)I
java/util/SubList access$100(Ljava/util/SubList;)Ljava/util/AbstractList;
java/util/SubList access$200(Ljava/util/SubList;)I
java/util/SubList access$302(Ljava/util/SubList;I)I
java/util/SubList access$210(Ljava/util/SubList;)I
java/util/SubList
access$208(Ljava/util/SubList;)I
class java/util/regex/Matcher java/lang/Object
java/util/regex/Matcher parentPattern
java/util/regex/Matcher groups
java/util/regex/Matcher from
java/util/regex/Matcher to
java/util/regex/Matcher text
java/util/regex/Matcher ENDANCHOR
java/util/regex/Matcher NOANCHOR
java/util/regex/Matcher acceptMode
java/util/regex/Matcher first
java/util/regex/Matcher last
java/util/regex/Matcher oldLast
java/util/regex/Matcher lastAppendPosition
java/util/regex/Matcher locals
java/util/regex/Matcher hitEnd
java/util/regex/Matcher requireEnd
java/util/regex/Matcher transparentBounds
java/util/regex/Matcher anchoringBounds

java/util/regex/Matcher <init>()V
java/util/regex/Matcher <init>(Ljava/util/regex/Pattern;Ljava/lang/CharSequence;)V
java/util/regex/Matcher pattern()Ljava/util/regex/Pattern;
java/util/regex/Matcher toMatchResult()Ljava/util/regex/MatchResult;
java/util/regex/Matcher usePattern(Ljava/util/regex/Pattern;)Ljava/util/regex/Matcher;
java/util/regex/Matcher
reset()Ljava/util/regex/Matcher;
java/util/regex/Matcher reset(Ljava/lang/CharSequence;)Ljava/util/regex/Matcher;
java/util/regex/Matcher start()I
java/util/regex/Matcher start(I)I
java/util/regex/Matcher end()I
java/util/regex/Matcher end(I)I
java/util/regex/Matcher group()Ljava/lang/String;
java/util/regex/Matcher group(I)Ljava/lang/String;
java/util/regex/Matcher groupCount()I
java/util/regex/Matcher matches()Z
java/util/regex/Matcher find()Z
java/util/regex/Matcher find(I)Z
java/util/regex/Matcher lookingAt()Z
java/util/regex/Matcher quoteReplacement(Ljava/lang/String;)Ljava/lang/String;
java/util/regex/Matcher appendReplacement(Ljava/lang/StringBuffer;Ljava/lang/String;)Ljava/util/regex/Matcher;
java/util/regex/Matcher appendTail(Ljava/lang/StringBuffer;)Ljava/lang/StringBuffer;
java/util/regex/Matcher replaceAll(Ljava/lang/String;)Ljava/lang/String;
java/util/regex/Matcher replaceFirst(Ljava/lang/String;)Ljava/lang/String;
java/util/regex/Matcher
region(II)Ljava/util/regex/Matcher;
java/util/regex/Matcher regionStart()I
java/util/regex/Matcher regionEnd()I
java/util/regex/Matcher hasTransparentBounds()Z
java/util/regex/Matcher useTransparentBounds(Z)Ljava/util/regex/Matcher;
java/util/regex/Matcher hasAnchoringBounds()Z
java/util/regex/Matcher useAnchoringBounds(Z)Ljava/util/regex/Matcher;
java/util/regex/Matcher toString()Ljava/lang/String;
java/util/regex/Matcher hitEnd()Z
java/util/regex/Matcher requireEnd()Z
java/util/regex/Matcher search(I)Z
java/util/regex/Matcher match(II)Z
java/util/regex/Matcher getTextLength()I
java/util/regex/Matcher getSubSequence(II)Ljava/lang/CharSequence;
java/util/regex/Matcher charAt(I)C
class java/util/regex/MatchResult java/lang/Object
java/util/regex/MatchResult start()I
java/util/regex/MatchResult start(I)I
java/util/regex/MatchResult end()I
java/util/regex/MatchResult end(I)I
java/util/regex/MatchResult group()Ljava/lang/String;
java/util/regex/MatchResult group(I)Ljava/lang/String;
java/util/regex/MatchResult

groupCount()I
class java/net/InetAddress$1 java/lang/Object
java/net/InetAddress$1 <init>()V
java/net/InetAddress$1 lookupAllHostAddr(Ljava/lang/String;)[[B
java/net/InetAddress$1 getHostByAddr([B)Ljava/lang/String;
class java/net/Inet4AddressImpl java/lang/Object
java/net/Inet4AddressImpl anyLocalAddress
java/net/Inet4AddressImpl loopbackAddress
java/net/Inet4AddressImpl <init>()V
java/net/Inet4AddressImpl getLocalHostName()Ljava/lang/String;
java/net/Inet4AddressImpl lookupAllHostAddr(Ljava/lang/String;)[[B
java/net/Inet4AddressImpl getHostByAddr([B)Ljava/lang/String;
java/net/Inet4AddressImpl isReachable0([BI[BI)Z
java/net/Inet4AddressImpl anyLocalAddress()Ljava/net/InetAddress;
java/net/Inet4AddressImpl loopbackAddress()Ljava/net/InetAddress;
java/net/Inet4AddressImpl isReachable(Ljava/net/InetAddress;ILjava/net/NetworkInterface;I)Z
class java/net/InetAddressImpl java/lang/Object
java/net/InetAddressImpl getLocalHostName()Ljava/lang/String;
java/net/InetAddressImpl
lookupAllHostAddr(Ljava/lang/String;)[[B
java/net/InetAddressImpl getHostByAddr([B)Ljava/lang/String;
java/net/InetAddressImpl anyLocalAddress()Ljava/net/InetAddress;
java/net/InetAddressImpl loopbackAddress()Ljava/net/InetAddress;
java/net/InetAddressImpl isReachable(Ljava/net/InetAddress;ILjava/net/NetworkInterface;I)Z
class java/net/InetAddressImplFactory java/lang/Object
java/net/InetAddressImplFactory <init>()V
java/net/InetAddressImplFactory create()Ljava/net/InetAddressImpl;
java/net/InetAddressImplFactory isIPv6Supported()Z
class java/net/InetAddress$Cache java/lang/Object
java/net/InetAddress$Cache policy
java/net/InetAddress$Cache cache
java/net/InetAddress$Cache <init>(I)V
java/net/InetAddress$Cache put(Ljava/lang/String;Ljava/lang/Object;)Ljava/net/InetAddress$Cache;
java/net/InetAddress$Cache get(Ljava/lang/String;)Ljava/net/InetAddress$CacheEntry;
class java/net/InetAddress java/lang/Object
java/net/InetAddress IPv4
java/net/InetAddress IPv6
java/net/InetAddress preferIPv6Address
java/net/InetAddress
hostName
java/net/InetAddress address
java/net/InetAddress family
java/net/InetAddress nameService
java/net/InetAddress canonicalHostName
java/net/InetAddress serialVersionUID
java/net/InetAddress addressCache
java/net/InetAddress negativeCache
java/net/InetAddress addressCacheInit

java/net/InetAddress unknown_array
java/net/InetAddress impl
java/net/InetAddress lookupTable
java/net/InetAddress $assertionsDisabled
java/net/InetAddress <init>()V
java/net/InetAddress readResolve()Ljava/lang/Object;
java/net/InetAddress isMulticastAddress()Z
java/net/InetAddress isAnyLocalAddress()Z
java/net/InetAddress isLoopbackAddress()Z
java/net/InetAddress isLinkLocalAddress()Z
java/net/InetAddress isSiteLocalAddress()Z
java/net/InetAddress isMCGlobal()Z
java/net/InetAddress isMCNodeLocal()Z
java/net/InetAddress isMCLinkLocal()Z
java/net/InetAddress isMCSiteLocal()Z
java/net/InetAddress isMCOrgLocal()Z
java/net/InetAddress isReachable(I)Z
java/net/InetAddress isReachable(Ljava/net/NetworkInterface;II)Z
java/net/InetAddress
getHostName()Ljava/lang/String;
java/net/InetAddress getHostName(Z)Ljava/lang/String;
java/net/InetAddress getCanonicalHostName()Ljava/lang/String;
java/net/InetAddress getHostFromNameService(Ljava/net/InetAddress;Z)Ljava/lang/String;
java/net/InetAddress getAddress()[B
java/net/InetAddress getHostAddress()Ljava/lang/String;
java/net/InetAddress hashCode()I
java/net/InetAddress equals(Ljava/lang/Object;)Z
java/net/InetAddress toString()Ljava/lang/String;
java/net/InetAddress cacheInitIfNeeded()V
java/net/InetAddress cacheAddress(Ljava/lang/String;Ljava/lang/Object;Z)V
java/net/InetAddress getCachedAddress(Ljava/lang/String;)Ljava/lang/Object;
java/net/InetAddress getByAddress(Ljava/lang/String;[B)Ljava/net/InetAddress;
java/net/InetAddress getByName(Ljava/lang/String;)Ljava/net/InetAddress;
java/net/InetAddress getAllByName(Ljava/lang/String;)[Ljava/net/InetAddress;
java/net/InetAddress checkNumericZone(Ljava/lang/String;)I
java/net/InetAddress
getAllByName0(Ljava/lang/String;)[Ljava/net/InetAddress;
java/net/InetAddress getAllByName0(Ljava/lang/String;Z)[Ljava/net/InetAddress;
java/net/InetAddress getAddressFromNameService(Ljava/lang/String;)Ljava/lang/Object;
java/net/InetAddress checkLookupTable(Ljava/lang/String;)Ljava/lang/Object;
java/net/InetAddress updateLookupTable(Ljava/lang/String;)V
java/net/InetAddress getByAddress([B)Ljava/net/InetAddress;
java/net/InetAddress getLocalHost()Ljava/net/InetAddress;
java/net/InetAddress init()V
java/net/InetAddress anyLocalAddress()Ljava/net/InetAddress;
java/net/InetAddress loadImpl(Ljava/lang/String;)Ljava/lang/Object;
java/net/InetAddress access$002(Lsun/net/spi/nameservice/NameService;)Lsun/net/spi/nameservice/NameService;
java/net/InetAddress <clinit>()V

class java/net/Socket java/lang/Object
java/net/Socket created
java/net/Socket bound
java/net/Socket connected
java/net/Socket closed
java/net/Socket closeLock
java/net/Socket shutIn
java/net/Socket shutOut
java/net/Socket
impl
java/net/Socket oldImpl
java/net/Socket factory
java/net/Socket <init>()V
java/net/Socket <init>(Ljava/net/Proxy;)V
java/net/Socket <init>(Ljava/net/SocketImpl;)V
java/net/Socket <init>(Ljava/lang/String;I)V
java/net/Socket <init>(Ljava/net/InetAddress;I)V
java/net/Socket <init>(Ljava/lang/String;ILjava/net/InetAddress;I)V
java/net/Socket <init>(Ljava/net/InetAddress;ILjava/net/InetAddress;I)V
java/net/Socket <init>(Ljava/lang/String;IZ)V
java/net/Socket <init>(Ljava/net/InetAddress;IZ)V
java/net/Socket <init>(Ljava/net/SocketAddress;Ljava/net/SocketAddress;Z)V
java/net/Socket createImpl(Z)V
java/net/Socket checkOldImpl()V
java/net/Socket setImpl()V
java/net/Socket getImpl()Ljava/net/SocketImpl;
java/net/Socket connect(Ljava/net/SocketAddress;)V
java/net/Socket connect(Ljava/net/SocketAddress;I)V
java/net/Socket bind(Ljava/net/SocketAddress;)V
java/net/Socket postAccept()V
java/net/Socket setCreated()V
java/net/Socket setBound()V
java/net/Socket setConnected()V
java/net/Socket
getInetAddress()Ljava/net/InetAddress;
java/net/Socket getLocalAddress()Ljava/net/InetAddress;
java/net/Socket getPort()I
java/net/Socket getLocalPort()I
java/net/Socket getRemoteSocketAddress()Ljava/net/SocketAddress;
java/net/Socket getLocalSocketAddress()Ljava/net/SocketAddress;
java/net/Socket getChannel()Ljava/nio/channels/SocketChannel;
java/net/Socket getInputStream()Ljava/io/InputStream;
java/net/Socket getOutputStream()Ljava/io/OutputStream;
java/net/Socket setTcpNoDelay(Z)V
java/net/Socket getTcpNoDelay()Z
java/net/Socket setSoLinger(ZI)V
java/net/Socket getSoLinger()I
java/net/Socket sendUrgentData(I)V

java/net/Socket setOOBInline(Z)V
java/net/Socket getOOBInline()Z
java/net/Socket setSoTimeout(I)V
java/net/Socket getSoTimeout()I
java/net/Socket setSendBufferSize(I)V
java/net/Socket getSendBufferSize()I
java/net/Socket setReceiveBufferSize(I)V
java/net/Socket getReceiveBufferSize()I
java/net/Socket setKeepAlive(Z)V
java/net/Socket getKeepAlive()Z
java/net/Socket
setTrafficClass(I)V
java/net/Socket getTrafficClass()I
java/net/Socket setReuseAddress(Z)V
java/net/Socket getReuseAddress()Z
java/net/Socket close()V
java/net/Socket shutdownInput()V
java/net/Socket shutdownOutput()V
java/net/Socket toString()Ljava/lang/String;
java/net/Socket isConnected()Z
java/net/Socket isBound()Z
java/net/Socket isClosed()Z
java/net/Socket isInputShutdown()Z
java/net/Socket isOutputShutdown()Z
java/net/Socket setSocketImplFactory(Ljava/net/SocketImplFactory;)V
java/net/Socket setPerformancePreferences(III)V
java/net/Socket <clinit>()V
class java/text/Bidi java/lang/Object
java/text/Bidi dir
java/text/Bidi baselevel
java/text/Bidi length
java/text/Bidi runs
java/text/Bidi cws
java/text/Bidi DIRECTION_LEFT_TO_RIGHT
java/text/Bidi DIRECTION_RIGHT_TO_LEFT
java/text/Bidi DIRECTION_DEFAULT_LEFT_TO_RIGHT
java/text/Bidi DIRECTION_DEFAULT_RIGHT_TO_LEFT
java/text/Bidi DIR_MIXED
java/text/Bidi NUMLEVELS
java/text/Bidi RMASK
java/text/Bidi <init>(Ljava/lang/String;I)V
java/text/Bidi
<init>(Ljava/text/AttributedCharacterIterator;)V
java/text/Bidi <init>([CI[BIII)V
java/text/Bidi <init>(III[I[I)V
java/text/Bidi reset(III[I[I)V
java/text/Bidi createLineBidi(II)Ljava/text/Bidi;
java/text/Bidi isMixed()Z

java/text/Bidi isLeftToRight()Z
java/text/Bidi isRightToLeft()Z
java/text/Bidi getLength()I
java/text/Bidi baseIsLeftToRight()Z
java/text/Bidi getBaseLevel()I
java/text/Bidi getLevelAt(I)I
java/text/Bidi getRunCount()I
java/text/Bidi getRunLevel(I)I
java/text/Bidi getRunStart(I)I
java/text/Bidi getRunLimit(I)I
java/text/Bidi requiresBidi([CII)Z
java/text/Bidi reorderVisually([BI[Ljava/lang/Object;II)V
java/text/Bidi nativeGetDirectionCode(I)I
java/text/Bidi nativeBidiChars(Ljava/text/Bidi;[CI[BIII)V
java/text/Bidi toString()Ljava/lang/String;
java/text/Bidi <clinit>()V
class java/net/MalformedURLException java/io/IOException
java/net/MalformedURLException <init>()V
java/net/MalformedURLException <init>(Ljava/lang/String;)V
class java/net/Authenticator java/lang/Object
java/net/Authenticator
 theAuthenticator
java/net/Authenticator requestingHost
java/net/Authenticator requestingSite
java/net/Authenticator requestingPort
java/net/Authenticator requestingProtocol
java/net/Authenticator requestingPrompt
java/net/Authenticator requestingScheme
java/net/Authenticator requestingURL
java/net/Authenticator requestingAuthType
java/net/Authenticator <init>()V
java/net/Authenticator reset()V
java/net/Authenticator setDefault(Ljava/net/Authenticator;)V
java/net/Authenticator
requestPasswordAuthentication(Ljava/net/InetAddress;ILjava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/net/PasswordAuthentication;
java/net/Authenticator
requestPasswordAuthentication(Ljava/lang/String;Ljava/net/InetAddress;ILjava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/net/PasswordAuthentication;
java/net/Authenticator
requestPasswordAuthentication(Ljava/lang/String;Ljava/net/InetAddress;ILjava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/net/URL;Ljava/net/Authenticator$RequestorType;)Ljava/net/PasswordAuthentication;
java/net/Authenticator
 getRequestingHost()Ljava/lang/String;
java/net/Authenticator getRequestingSite()Ljava/net/InetAddress;
java/net/Authenticator getRequestingPort()I
java/net/Authenticator getRequestingProtocol()Ljava/lang/String;
java/net/Authenticator getRequestingPrompt()Ljava/lang/String;

java/net/Authenticator getRequestingScheme()Ljava/lang/String;
java/net/Authenticator getPasswordAuthentication()Ljava/net/PasswordAuthentication;
java/net/Authenticator getRequestingURL()Ljava/net/URL;
java/net/Authenticator getRequestorType()Ljava/net/Authenticator$RequestorType;
class java/io/FileWriter java/io/OutputStreamWriter
java/io/FileWriter <init>(Ljava/lang/String;)V
java/io/FileWriter <init>(Ljava/lang/String;Z)V
java/io/FileWriter <init>(Ljava/io/File;)V
java/io/FileWriter <init>(Ljava/io/File;Z)V
java/io/FileWriter <init>(Ljava/io/FileDescriptor;)V
class java/lang/NumberFormatException java/lang/IllegalArgumentException
java/lang/NumberFormatException
 serialVersionUID
java/lang/NumberFormatException <init>()V
java/lang/NumberFormatException <init>(Ljava/lang/String;)V
java/lang/NumberFormatException forInputString(Ljava/lang/String;)Ljava/lang/NumberFormatException;
class java/lang/IllegalArgumentException java/lang/RuntimeException
java/lang/IllegalArgumentException serialVersionUID
java/lang/IllegalArgumentException <init>()V
java/lang/IllegalArgumentException <init>(Ljava/lang/String;)V
java/lang/IllegalArgumentException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/IllegalArgumentException <init>(Ljava/lang/Throwable;)V
class java/io/FileReader java/io/InputStreamReader
java/io/FileReader <init>(Ljava/lang/String;)V
java/io/FileReader <init>(Ljava/io/File;)V
java/io/FileReader <init>(Ljava/io/FileDescriptor;)V
class java/awt/event/KeyAdapter java/lang/Object
java/awt/event/KeyAdapter <init>()V
java/awt/event/KeyAdapter keyTyped(Ljava/awt/event/KeyEvent;)V
java/awt/event/KeyAdapter
 keyPressed(Ljava/awt/event/KeyEvent;)V
java/awt/event/KeyAdapter keyReleased(Ljava/awt/event/KeyEvent;)V
class java/io/BufferedReader java/io/Reader
java/io/BufferedReader in
java/io/BufferedReader cb
java/io/BufferedReader nChars
java/io/BufferedReader nextChar
java/io/BufferedReader INVALIDATED
java/io/BufferedReader UNMARKED
java/io/BufferedReader markedChar
java/io/BufferedReader readAheadLimit
java/io/BufferedReader skipLF
java/io/BufferedReader markedSkipLF
java/io/BufferedReader defaultCharBufferSize
java/io/BufferedReader defaultExpectedLineLength
java/io/BufferedReader <init>(Ljava/io/Reader;I)V
java/io/BufferedReader <init>(Ljava/io/Reader;)V
java/io/BufferedReader ensureOpen()V

java/io/BufferedReader fill()V
java/io/BufferedReader read()I
java/io/BufferedReader read1([CII)I
java/io/BufferedReader read([CII)I
java/io/BufferedReader readLine(Z)Ljava/lang/String;
java/io/BufferedReader readLine()Ljava/lang/String;
java/io/BufferedReader skip(J)J
java/io/BufferedReader
 ready()Z
java/io/BufferedReader markSupported()Z
java/io/BufferedReader mark(I)V
java/io/BufferedReader reset()V
java/io/BufferedReader close()V
java/io/BufferedReader <clinit>()V
class java/io/InputStreamReader java/io/Reader
java/io/InputStreamReader sd
java/io/InputStreamReader <init>(Ljava/io/InputStream;)V
java/io/InputStreamReader <init>(Ljava/io/InputStream;Ljava/lang/String;)V
java/io/InputStreamReader <init>(Ljava/io/InputStream;Ljava/nio/charset/Charset;)V
java/io/InputStreamReader <init>(Ljava/io/InputStream;Ljava/nio/charset/CharsetDecoder;)V
java/io/InputStreamReader getEncoding()Ljava/lang/String;
java/io/InputStreamReader read()I
java/io/InputStreamReader read([CII)I
java/io/InputStreamReader ready()Z
java/io/InputStreamReader close()V
class java/io/Reader java/lang/Object
java/io/Reader lock
java/io/Reader maxSkipBufferSize
java/io/Reader skipBuffer
java/io/Reader <init>()V
java/io/Reader <init>(Ljava/lang/Object;)V
java/io/Reader read(Ljava/nio/CharBuffer;)I
java/io/Reader
 read()I
java/io/Reader read([C)I
java/io/Reader read([CII)I
java/io/Reader skip(J)J
java/io/Reader ready()Z
java/io/Reader markSupported()Z
java/io/Reader mark(I)V
java/io/Reader reset()V
java/io/Reader close()V
class java/util/regex/Pattern$TreeInfo java/lang/Object
java/util/regex/Pattern$TreeInfo minLength
java/util/regex/Pattern$TreeInfo maxLength
java/util/regex/Pattern$TreeInfo maxValid
java/util/regex/Pattern$TreeInfo deterministic
java/util/regex/Pattern$TreeInfo <init>()V

java/util/regex/Pattern$TreeInfo reset()V
class java/util/regex/Pattern$Start java/util/regex/Pattern$Node
java/util/regex/Pattern$Start minLength
java/util/regex/Pattern$Start <init>(Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Start match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Start study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$First java/util/regex/Pattern$Node
java/util/regex/Pattern$First atom
java/util/regex/Pattern$First
<init>(Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$First match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$First study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Begin java/util/regex/Pattern$Node
java/util/regex/Pattern$Begin <init>()V
java/util/regex/Pattern$Begin match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Slice java/util/regex/Pattern$Node
java/util/regex/Pattern$Slice buffer
java/util/regex/Pattern$Slice <init>([I)V
java/util/regex/Pattern$Slice match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Slice study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Curly java/util/regex/Pattern$Node
java/util/regex/Pattern$Curly atom
java/util/regex/Pattern$Curly type
java/util/regex/Pattern$Curly cmin
java/util/regex/Pattern$Curly cmax
java/util/regex/Pattern$Curly <init>(Ljava/util/regex/Pattern$Node;III)V
java/util/regex/Pattern$Curly
match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Curly match0(Ljava/util/regex/Matcher;IILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Curly match1(Ljava/util/regex/Matcher;IILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Curly match2(Ljava/util/regex/Matcher;IILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Curly study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$JavaMirrored java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaMirrored <init>()V
java/util/regex/Pattern$JavaMirrored isProperty(I)Z
class java/util/regex/Pattern$JavaISOControl java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaISOControl <init>()V
java/util/regex/Pattern$JavaISOControl isProperty(I)Z
class java/util/regex/Pattern$JavaWhitespace java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaWhitespace <init>()V
java/util/regex/Pattern$JavaWhitespace isProperty(I)Z
class java/util/regex/Pattern$JavaSpaceChar
java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaSpaceChar <init>()V
java/util/regex/Pattern$JavaSpaceChar isProperty(I)Z
class java/util/regex/Pattern$JavaIdentifierIgnorable java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaIdentifierIgnorable <init>()V
java/util/regex/Pattern$JavaIdentifierIgnorable isProperty(I)Z

class java/util/regex/Pattern$JavaUnicodeIdentifierPart java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaUnicodeIdentifierPart <init>()V
java/util/regex/Pattern$JavaUnicodeIdentifierPart isProperty(I)Z
class java/util/regex/Pattern$JavaUnicodeIdentifierStart java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaUnicodeIdentifierStart <init>()V
java/util/regex/Pattern$JavaUnicodeIdentifierStart isProperty(I)Z
class java/util/regex/Pattern$JavaJavaIdentifierPart java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaJavaIdentifierPart <init>()V
java/util/regex/Pattern$JavaJavaIdentifierPart
 isProperty(I)Z
class java/util/regex/Pattern$JavaJavaIdentifierStart java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaJavaIdentifierStart <init>()V
java/util/regex/Pattern$JavaJavaIdentifierStart isProperty(I)Z
class java/util/regex/Pattern$JavaLetterOrDigit java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaLetterOrDigit <init>()V
java/util/regex/Pattern$JavaLetterOrDigit isProperty(I)Z
class java/util/regex/Pattern$JavaLetter java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaLetter <init>()V
java/util/regex/Pattern$JavaLetter isProperty(I)Z
class java/util/regex/Pattern$JavaDefined java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaDefined <init>()V
java/util/regex/Pattern$JavaDefined isProperty(I)Z
class java/util/regex/Pattern$JavaDigit java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaDigit <init>()V
java/util/regex/Pattern$JavaDigit isProperty(I)Z
class java/util/regex/Pattern$JavaTitleCase java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaTitleCase
 <init>()V
java/util/regex/Pattern$JavaTitleCase isProperty(I)Z
class java/util/regex/Pattern$JavaUpperCase java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaUpperCase <init>()V
java/util/regex/Pattern$JavaUpperCase isProperty(I)Z
class java/util/regex/Pattern$JavaLowerCase java/util/regex/Pattern$JavaTypeClass
java/util/regex/Pattern$JavaLowerCase <init>()V
java/util/regex/Pattern$JavaLowerCase isProperty(I)Z
class java/util/regex/Pattern$JavaTypeClass java/util/regex/Pattern$Node
java/util/regex/Pattern$JavaTypeClass <init>()V
java/util/regex/Pattern$JavaTypeClass dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$JavaTypeClass isProperty(I)Z
java/util/regex/Pattern$JavaTypeClass match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$JavaTypeClass study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Ctype java/util/regex/Pattern$Node
java/util/regex/Pattern$Ctype
 ctype
java/util/regex/Pattern$Ctype <init>(I)V
java/util/regex/Pattern$Ctype dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$Ctype match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Ctype study(Ljava/util/regex/Pattern$TreeInfo;)Z

class java/util/regex/Pattern$All java/util/regex/Pattern$Node
java/util/regex/Pattern$All <init>()V
java/util/regex/Pattern$All dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$All match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$All study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Range java/util/regex/Pattern$Node
java/util/regex/Pattern$Range lower
java/util/regex/Pattern$Range upper
java/util/regex/Pattern$Range <init>()V
java/util/regex/Pattern$Range <init>(I)V
java/util/regex/Pattern$Range <init>(II)V
java/util/regex/Pattern$Range dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$Range match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Range
study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Category java/util/regex/Pattern$Node
java/util/regex/Pattern$Category atype
java/util/regex/Pattern$Category <init>(I)V
java/util/regex/Pattern$Category dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$Category match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Category study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$categoryNames java/lang/Object
java/util/regex/Pattern$categoryNames cMap
java/util/regex/Pattern$categoryNames <init>()V
java/util/regex/Pattern$categoryNames <clinit>()V
class java/util/regex/Pattern$Single java/util/regex/Pattern$Node
java/util/regex/Pattern$Single ch
java/util/regex/Pattern$Single len
java/util/regex/Pattern$Single <init>(I)V
java/util/regex/Pattern$Single dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$Single match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Single
study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Branch java/util/regex/Pattern$Node
java/util/regex/Pattern$Branch prev
java/util/regex/Pattern$Branch <init>(Ljava/util/regex/Pattern$Node;Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern$Branch match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Branch study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$Dummy java/util/regex/Pattern$Node
java/util/regex/Pattern$Dummy <init>()V
java/util/regex/Pattern$Dummy match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Ques java/util/regex/Pattern$Node
java/util/regex/Pattern$Ques atom
java/util/regex/Pattern$Ques type
java/util/regex/Pattern$Ques <init>(Ljava/util/regex/Pattern$Node;I)V
java/util/regex/Pattern$Ques match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Ques study(Ljava/util/regex/Pattern$TreeInfo;)Z
class

java/util/regex/Pattern$BitClass java/util/regex/Pattern$Node
java/util/regex/Pattern$BitClass bits
java/util/regex/Pattern$BitClass complementMe
java/util/regex/Pattern$BitClass <init>(Z)V
java/util/regex/Pattern$BitClass <init>([ZZ)V
java/util/regex/Pattern$BitClass add(II)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$BitClass dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$BitClass match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$BitClass study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern$GroupTail java/util/regex/Pattern$Node
java/util/regex/Pattern$GroupTail localIndex
java/util/regex/Pattern$GroupTail groupIndex
java/util/regex/Pattern$GroupTail <init>(II)V
java/util/regex/Pattern$GroupTail match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$GroupHead java/util/regex/Pattern$Node
java/util/regex/Pattern$GroupHead localIndex
java/util/regex/Pattern$GroupHead
<init>(I)V
java/util/regex/Pattern$GroupHead match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$GroupHead matchRef(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$LastNode java/util/regex/Pattern$Node
java/util/regex/Pattern$LastNode <init>()V
java/util/regex/Pattern$LastNode match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
class java/util/regex/Pattern$Node java/lang/Object
java/util/regex/Pattern$Node next
java/util/regex/Pattern$Node <init>()V
java/util/regex/Pattern$Node dup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern$Node match(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern$Node study(Ljava/util/regex/Pattern$TreeInfo;)Z
class java/util/regex/Pattern java/lang/Object
java/util/regex/Pattern UNIX_LINES
java/util/regex/Pattern CASE_INSENSITIVE
java/util/regex/Pattern COMMENTS
java/util/regex/Pattern MULTILINE
java/util/regex/Pattern LITERAL
java/util/regex/Pattern
DOTALL
java/util/regex/Pattern UNICODE_CASE
java/util/regex/Pattern CANON_EQ
java/util/regex/Pattern serialVersionUID
java/util/regex/Pattern pattern
java/util/regex/Pattern flags
java/util/regex/Pattern compiled
java/util/regex/Pattern normalizedPattern
java/util/regex/Pattern root
java/util/regex/Pattern matchRoot
java/util/regex/Pattern buffer
java/util/regex/Pattern groupNodes

java/util/regex/Pattern temp
java/util/regex/Pattern capturingGroupCount
java/util/regex/Pattern localCount
java/util/regex/Pattern cursor
java/util/regex/Pattern patternLength
java/util/regex/Pattern MAX_REPS
java/util/regex/Pattern GREEDY
java/util/regex/Pattern LAZY
java/util/regex/Pattern POSSESSIVE
java/util/regex/Pattern INDEPENDENT
java/util/regex/Pattern accept
java/util/regex/Pattern lastAccept
java/util/regex/Pattern $assertionsDisabled
java/util/regex/Pattern compile(Ljava/lang/String;)Ljava/util/regex/Pattern;
java/util/regex/Pattern compile(Ljava/lang/String;I)Ljava/util/regex/Pattern;
java/util/regex/Pattern
pattern()Ljava/lang/String;
java/util/regex/Pattern toString()Ljava/lang/String;
java/util/regex/Pattern matcher(Ljava/lang/CharSequence;)Ljava/util/regex/Matcher;
java/util/regex/Pattern flags()I
java/util/regex/Pattern matches(Ljava/lang/String;Ljava/lang/CharSequence;)Z
java/util/regex/Pattern split(Ljava/lang/CharSequence;I)[Ljava/lang/String;
java/util/regex/Pattern split(Ljava/lang/CharSequence;)[Ljava/lang/String;
java/util/regex/Pattern quote(Ljava/lang/String;)Ljava/lang/String;
java/util/regex/Pattern readObject(Ljava/io/ObjectInputStream;)V
java/util/regex/Pattern <init>(Ljava/lang/String;I)V
java/util/regex/Pattern normalize()V
java/util/regex/Pattern normalizeCharClass(Ljava/lang/StringBuilder;I)I
java/util/regex/Pattern produceEquivalentAlternation(Ljava/lang/String;)Ljava/lang/String;
java/util/regex/Pattern producePermutations(Ljava/lang/String;)[Ljava/lang/String;
java/util/regex/Pattern getClass(I)I
java/util/regex/Pattern composeOneStep(Ljava/lang/String;)Ljava/lang/String;
java/util/regex/Pattern
compile()V
java/util/regex/Pattern printObjectTree(Ljava/util/regex/Pattern$Node;)V
java/util/regex/Pattern has(I)Z
java/util/regex/Pattern accept(ILjava/lang/String;)V
java/util/regex/Pattern mark(I)V
java/util/regex/Pattern peek()I
java/util/regex/Pattern read()I
java/util/regex/Pattern readEscaped()I
java/util/regex/Pattern next()I
java/util/regex/Pattern nextEscaped()I
java/util/regex/Pattern peekPastWhitespace(I)I
java/util/regex/Pattern parsePastWhitespace(I)I
java/util/regex/Pattern parsePastLine()I
java/util/regex/Pattern peekPastLine()I
java/util/regex/Pattern isLineSeparator(I)Z

java/util/regex/Pattern skip()I
java/util/regex/Pattern unread()V
java/util/regex/Pattern error(Ljava/lang/String;)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern findSupplementary(II)Z
java/util/regex/Pattern isSupplementary(I)Z
java/util/regex/Pattern expr(Ljava/util/regex/Pattern$Node;)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern
sequence(Ljava/util/regex/Pattern$Node;)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern atom()Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern append(II)V
java/util/regex/Pattern ref(I)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern escape(ZZ)I
java/util/regex/Pattern clazz(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern range(Ljava/util/regex/Pattern$BitClass;)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern single()I
java/util/regex/Pattern family(ZZ)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern retrieveFamilyNode(Ljava/lang/String;Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern retrieveCategoryNode(Ljava/lang/String;)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern familyError(Ljava/lang/String;Ljava/lang/String;)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern group0()Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern createGroup(Z)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern addFlag()V
java/util/regex/Pattern
subFlag()V
java/util/regex/Pattern closure(Ljava/util/regex/Pattern$Node;)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern c()I
java/util/regex/Pattern o()I
java/util/regex/Pattern x()I
java/util/regex/Pattern u()I
java/util/regex/Pattern isSurrogate(I)Z
java/util/regex/Pattern countChars(Ljava/lang/CharSequence;II)I
java/util/regex/Pattern countCodePoints(Ljava/lang/CharSequence;)I
java/util/regex/Pattern newSingle(I)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern newSlice([IIZ)Ljava/util/regex/Pattern$Node;
java/util/regex/Pattern hasBaseCharacter(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern access$000(Ljava/lang/CharSequence;II)I
java/util/regex/Pattern access$100(Ljava/util/regex/Matcher;ILjava/lang/CharSequence;)Z
java/util/regex/Pattern <clinit>()V
class java/util/concurrent/ConcurrentHashMap$HashEntry java/lang/Object
java/util/concurrent/ConcurrentHashMap$HashEntry key
java/util/concurrent/ConcurrentHashMap$HashEntry
hash
java/util/concurrent/ConcurrentHashMap$HashEntry value
java/util/concurrent/ConcurrentHashMap$HashEntry next
java/util/concurrent/ConcurrentHashMap$HashEntry
<init>(Ljava/lang/Object;ILjava/util/concurrent/ConcurrentHashMap$HashEntry;Ljava/lang/Object;)V
class java/util/concurrent/locks/AbstractQueuedSynchronizer$Node java/lang/Object
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node CANCELLED

java/util/concurrent/locks/AbstractQueuedSynchronizer$Node SIGNAL
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node CONDITION
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node SHARED
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node EXCLUSIVE
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node waitStatus
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node prev
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node next
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node thread
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node
nextWaiter
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node isShared()Z
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node
predecessor()Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node <init>()V
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node
<init>(Ljava/lang/Thread;Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)V
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node <init>(Ljava/lang/Thread;I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer$Node <clinit>()V
class java/util/concurrent/locks/ReentrantLock$NonfairSync java/util/concurrent/locks/ReentrantLock$Sync
java/util/concurrent/locks/ReentrantLock$NonfairSync <init>()V
java/util/concurrent/locks/ReentrantLock$NonfairSync lock()V
java/util/concurrent/locks/ReentrantLock$NonfairSync tryAcquire(I)Z
class java/util/concurrent/locks/ReentrantLock$Sync java/util/concurrent/locks/AbstractQueuedSynchronizer
java/util/concurrent/locks/ReentrantLock$Sync
owner
java/util/concurrent/locks/ReentrantLock$Sync <init>()V
java/util/concurrent/locks/ReentrantLock$Sync lock()V
java/util/concurrent/locks/ReentrantLock$Sync nonfairTryAcquire(I)Z
java/util/concurrent/locks/ReentrantLock$Sync tryRelease(I)Z
java/util/concurrent/locks/ReentrantLock$Sync isHeldExclusively()Z
java/util/concurrent/locks/ReentrantLock$Sync
newCondition()Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject;
java/util/concurrent/locks/ReentrantLock$Sync getOwner()Ljava/lang/Thread;
java/util/concurrent/locks/ReentrantLock$Sync getHoldCount()I
java/util/concurrent/locks/ReentrantLock$Sync isLocked()Z
java/util/concurrent/locks/ReentrantLock$Sync readObject(Ljava/io/ObjectInputStream;)V
class java/util/concurrent/locks/AbstractQueuedSynchronizer java/lang/Object
java/util/concurrent/locks/AbstractQueuedSynchronizer serialVersionUID
java/util/concurrent/locks/AbstractQueuedSynchronizer head
java/util/concurrent/locks/AbstractQueuedSynchronizer
tail
java/util/concurrent/locks/AbstractQueuedSynchronizer state
java/util/concurrent/locks/AbstractQueuedSynchronizer unsafe
java/util/concurrent/locks/AbstractQueuedSynchronizer stateOffset
java/util/concurrent/locks/AbstractQueuedSynchronizer headOffset
java/util/concurrent/locks/AbstractQueuedSynchronizer tailOffset
java/util/concurrent/locks/AbstractQueuedSynchronizer waitStatusOffset
java/util/concurrent/locks/AbstractQueuedSynchronizer nextOffset

java/util/concurrent/locks/AbstractQueuedSynchronizer <init>()V
java/util/concurrent/locks/AbstractQueuedSynchronizer getState()I
java/util/concurrent/locks/AbstractQueuedSynchronizer setState(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer compareAndSetState(II)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
enq(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;
java/util/concurrent/locks/AbstractQueuedSynchronizer
addWaiter(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;
java/util/concurrent/locks/AbstractQueuedSynchronizer
setHead(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)V
java/util/concurrent/locks/AbstractQueuedSynchronizer
unparkSuccessor(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)V
java/util/concurrent/locks/AbstractQueuedSynchronizer
setHeadAndPropagate(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer
cancelAcquire(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)V
java/util/concurrent/locks/AbstractQueuedSynchronizer
shouldParkAfterFailedAcquire(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer selfInterrupt()V
java/util/concurrent/locks/AbstractQueuedSynchronizer
parkAndCheckInterrupt()Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
acquireQueued(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;I)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer doAcquireInterruptibly(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer doAcquireNanos(IJ)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer doAcquireShared(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer doAcquireSharedInterruptibly(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer doAcquireSharedNanos(IJ)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer tryAcquire(I)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer tryRelease(I)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer tryAcquireShared(I)I
java/util/concurrent/locks/AbstractQueuedSynchronizer tryReleaseShared(I)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer isHeldExclusively()Z
java/util/concurrent/locks/AbstractQueuedSynchronizer acquire(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer
acquireInterruptibly(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer tryAcquireNanos(IJ)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer release(I)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer acquireShared(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer acquireSharedInterruptibly(I)V
java/util/concurrent/locks/AbstractQueuedSynchronizer tryAcquireSharedNanos(IJ)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer releaseShared(I)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer hasQueuedThreads()Z
java/util/concurrent/locks/AbstractQueuedSynchronizer hasContended()Z
java/util/concurrent/locks/AbstractQueuedSynchronizer getFirstQueuedThread()Ljava/lang/Thread;

java/util/concurrent/locks/AbstractQueuedSynchronizer fullGetFirstQueuedThread()Ljava/lang/Thread;
java/util/concurrent/locks/AbstractQueuedSynchronizer isQueued(Ljava/lang/Thread;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer getQueueLength()I
java/util/concurrent/locks/AbstractQueuedSynchronizer
getQueuedThreads()Ljava/util/Collection;
java/util/concurrent/locks/AbstractQueuedSynchronizer getExclusiveQueuedThreads()Ljava/util/Collection;
java/util/concurrent/locks/AbstractQueuedSynchronizer getSharedQueuedThreads()Ljava/util/Collection;
java/util/concurrent/locks/AbstractQueuedSynchronizer toString()Ljava/lang/String;
java/util/concurrent/locks/AbstractQueuedSynchronizer
isOnSyncQueue(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
findNodeFromTail(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
transferForSignal(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
transferAfterCancelledWait(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
fullyRelease(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)I
java/util/concurrent/locks/AbstractQueuedSynchronizer
owns(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
hasWaiters(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
getWaitQueueLength(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject;)I
java/util/concurrent/locks/AbstractQueuedSynchronizer
getWaitingThreads(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$ConditionObject;)Ljava/util/Collectio
n;
java/util/concurrent/locks/AbstractQueuedSynchronizer
compareAndSetHead(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
compareAndSetTail(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;Ljava/util/concurrent/locks/Ab
stractQueuedSynchronizer$Node;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
compareAndSetWaitStatus(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;II)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer
compareAndSetNext(Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;Ljava/util/concurrent/locks/A
bstractQueuedSynchronizer$Node;Ljava/util/concurrent/locks/AbstractQueuedSynchronizer$Node;)Z
java/util/concurrent/locks/AbstractQueuedSynchronizer access$000()V
java/util/concurrent/locks/AbstractQueuedSynchronizer <clinit>()V
class java/util/concurrent/ConcurrentHashMap$Segment java/util/concurrent/locks/ReentrantLock
java/util/concurrent/ConcurrentHashMap$Segment serialVersionUID
java/util/concurrent/ConcurrentHashMap$Segment count
java/util/concurrent/ConcurrentHashMap$Segment modCount
java/util/concurrent/ConcurrentHashMap$Segment threshold
java/util/concurrent/ConcurrentHashMap$Segment table
java/util/concurrent/ConcurrentHashMap$Segment loadFactor
java/util/concurrent/ConcurrentHashMap$Segment <init>(IF)V
java/util/concurrent/ConcurrentHashMap$Segment

setTable([Ljava/util/concurrent/ConcurrentHashMap$HashEntry;)V
java/util/concurrent/ConcurrentHashMap$Segment
getFirst(I)Ljava/util/concurrent/ConcurrentHashMap$HashEntry;
java/util/concurrent/ConcurrentHashMap$Segment
readValueUnderLock(Ljava/util/concurrent/ConcurrentHashMap$HashEntry;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$Segment get(Ljava/lang/Object;I)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$Segment containsKey(Ljava/lang/Object;I)Z
java/util/concurrent/ConcurrentHashMap$Segment containsValue(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$Segment
replace(Ljava/lang/Object;ILjava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap$Segment
replace(Ljava/lang/Object;ILjava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$Segment put(Ljava/lang/Object;ILjava/lang/Object;Z)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$Segment rehash()V
java/util/concurrent/ConcurrentHashMap$Segment
remove(Ljava/lang/Object;ILjava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap$Segment clear()V
class java/util/concurrent/locks/ReentrantLock java/lang/Object
java/util/concurrent/locks/ReentrantLock serialVersionUID
java/util/concurrent/locks/ReentrantLock sync
java/util/concurrent/locks/ReentrantLock <init>()V
java/util/concurrent/locks/ReentrantLock <init>(Z)V
java/util/concurrent/locks/ReentrantLock lock()V
java/util/concurrent/locks/ReentrantLock lockInterruptibly()V
java/util/concurrent/locks/ReentrantLock tryLock()Z
java/util/concurrent/locks/ReentrantLock tryLock(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/locks/ReentrantLock unlock()V
java/util/concurrent/locks/ReentrantLock newCondition()Ljava/util/concurrent/locks/Condition;
java/util/concurrent/locks/ReentrantLock getHoldCount()I
java/util/concurrent/locks/ReentrantLock isHeldByCurrentThread()Z
java/util/concurrent/locks/ReentrantLock isLocked()Z
java/util/concurrent/locks/ReentrantLock
isFair()Z
java/util/concurrent/locks/ReentrantLock getOwner()Ljava/lang/Thread;
java/util/concurrent/locks/ReentrantLock hasQueuedThreads()Z
java/util/concurrent/locks/ReentrantLock hasQueuedThread(Ljava/lang/Thread;)Z
java/util/concurrent/locks/ReentrantLock getQueueLength()I
java/util/concurrent/locks/ReentrantLock getQueuedThreads()Ljava/util/Collection;
java/util/concurrent/locks/ReentrantLock hasWaiters(Ljava/util/concurrent/locks/Condition;)Z
java/util/concurrent/locks/ReentrantLock getWaitQueueLength(Ljava/util/concurrent/locks/Condition;)I
java/util/concurrent/locks/ReentrantLock
getWaitingThreads(Ljava/util/concurrent/locks/Condition;)Ljava/util/Collection;
java/util/concurrent/locks/ReentrantLock toString()Ljava/lang/String;
class java/util/concurrent/locks/Lock java/lang/Object
java/util/concurrent/locks/Lock lock()V
java/util/concurrent/locks/Lock lockInterruptibly()V
java/util/concurrent/locks/Lock tryLock()Z
java/util/concurrent/locks/Lock

tryLock(JLjava/util/concurrent/TimeUnit;)Z
java/util/concurrent/locks/Lock unlock()V
java/util/concurrent/locks/Lock newCondition()Ljava/util/concurrent/locks/Condition;
class java/util/concurrent/ConcurrentHashMap java/util/AbstractMap
java/util/concurrent/ConcurrentHashMap serialVersionUID
java/util/concurrent/ConcurrentHashMap DEFAULT_INITIAL_CAPACITY
java/util/concurrent/ConcurrentHashMap MAXIMUM_CAPACITY
java/util/concurrent/ConcurrentHashMap DEFAULT_LOAD_FACTOR
java/util/concurrent/ConcurrentHashMap DEFAULT_SEGMENTS
java/util/concurrent/ConcurrentHashMap MAX_SEGMENTS
java/util/concurrent/ConcurrentHashMap RETRIES_BEFORE_LOCK
java/util/concurrent/ConcurrentHashMap segmentMask
java/util/concurrent/ConcurrentHashMap segmentShift
java/util/concurrent/ConcurrentHashMap segments
java/util/concurrent/ConcurrentHashMap keySet
java/util/concurrent/ConcurrentHashMap entrySet
java/util/concurrent/ConcurrentHashMap values
java/util/concurrent/ConcurrentHashMap hash(Ljava/lang/Object;)I
java/util/concurrent/ConcurrentHashMap
segmentFor(I)Ljava/util/concurrent/ConcurrentHashMap$Segment;
java/util/concurrent/ConcurrentHashMap <init>(IFI)V
java/util/concurrent/ConcurrentHashMap <init>(I)V
java/util/concurrent/ConcurrentHashMap <init>()V
java/util/concurrent/ConcurrentHashMap <init>(Ljava/util/Map;)V
java/util/concurrent/ConcurrentHashMap isEmpty()Z
java/util/concurrent/ConcurrentHashMap size()I
java/util/concurrent/ConcurrentHashMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap containsKey(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap containsValue(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap contains(Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap putIfAbsent(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap putAll(Ljava/util/Map;)V
java/util/concurrent/ConcurrentHashMap
remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap remove(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap replace(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentHashMap replace(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentHashMap clear()V
java/util/concurrent/ConcurrentHashMap keySet()Ljava/util/Set;
java/util/concurrent/ConcurrentHashMap values()Ljava/util/Collection;
java/util/concurrent/ConcurrentHashMap entrySet()Ljava/util/Set;
java/util/concurrent/ConcurrentHashMap keys()Ljava/util/Enumeration;
java/util/concurrent/ConcurrentHashMap elements()Ljava/util/Enumeration;
java/util/concurrent/ConcurrentHashMap writeObject(Ljava/io/ObjectOutputStream;)V
java/util/concurrent/ConcurrentHashMap readObject(Ljava/io/ObjectInputStream;)V
java/util/concurrent/ConcurrentHashMap <clinit>()V
class java/util/concurrent/ConcurrentMap

java/lang/Object
java/util/concurrent/ConcurrentMap putIfAbsent(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/ConcurrentMap remove(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentMap replace(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/ConcurrentMap replace(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
class java/security/Security$1 java/lang/Object
java/security/Security$1 <init>()V
java/security/Security$1 run()Ljava/lang/Object;
class java/security/Security java/lang/Object
java/security/Security sdebug
java/security/Security props
java/security/Security spiMap
java/security/Security initialize()V
java/security/Security initializeStatic()V
java/security/Security <init>()V
java/security/Security securityPropFile(Ljava/lang/String;)Ljava/io/File;
java/security/Security getProviderProperty(Ljava/lang/String;)Ljava/security/Security$ProviderProperty;
java/security/Security getProviderProperty(Ljava/lang/String;Ljava/security/Provider;)Ljava/lang/String;
java/security/Security
getAlgorithmProperty(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/security/Security insertProviderAt(Ljava/security/Provider;I)I
java/security/Security addProvider(Ljava/security/Provider;)I
java/security/Security removeProvider(Ljava/lang/String;)V
java/security/Security getProviders()[Ljava/security/Provider;
java/security/Security getProvider(Ljava/lang/String;)Ljava/security/Provider;
java/security/Security getProviders(Ljava/lang/String;)[Ljava/security/Provider;
java/security/Security getProviders(Ljava/util/Map;)[Ljava/security/Provider;
java/security/Security getSpiClass(Ljava/lang/String;)Ljava/lang/Class;
java/security/Security getImpl(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)[Ljava/lang/Object;
java/security/Security
getImpl(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/Object;)[Ljava/lang/Object;
java/security/Security getImpl(Ljava/lang/String;Ljava/lang/String;Ljava/security/Provider;)[Ljava/lang/Object;
java/security/Security
getImpl(Ljava/lang/String;Ljava/lang/String;Ljava/security/Provider;Ljava/lang/Object;)[Ljava/lang/Object;
java/security/Security getProperty(Ljava/lang/String;)Ljava/lang/String;
java/security/Security setProperty(Ljava/lang/String;Ljava/lang/String;)V
java/security/Security invalidateSMCache(Ljava/lang/String;)V
java/security/Security check(Ljava/lang/String;)V
java/security/Security
getAllQualifyingCandidates(Ljava/lang/String;Ljava/lang/String;[Ljava/security/Provider;)Ljava/util/LinkedHashSet;
java/security/Security
getProvidersNotUsingCache(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;[Ljava/security/Provider;)Ljava/util/LinkedHashSet;
java/security/Security
isCriterionSatisfied(Ljava/security/Provider;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Z
java/security/Security isStandardAttr(Ljava/lang/String;)Z

java/security/Security
 isConstraintSatisfied(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Z
java/security/Security getFilterComponents(Ljava/lang/String;Ljava/lang/String;)[Ljava/lang/String;
java/security/Security getAlgorithms(Ljava/lang/String;)Ljava/util/Set;
java/security/Security access$000()V
java/security/Security <clinit>()V
class java/security/Provider$ServiceKey java/lang/Object
java/security/Provider$ServiceKey type
java/security/Provider$ServiceKey algorithm
java/security/Provider$ServiceKey originalAlgorithm
java/security/Provider$ServiceKey <init>(Ljava/lang/String;Ljava/lang/String;Z)V
java/security/Provider$ServiceKey hashCode()I
java/security/Provider$ServiceKey equals(Ljava/lang/Object;)Z
java/security/Provider$ServiceKey matches(Ljava/lang/String;Ljava/lang/String;)Z
java/security/Provider$ServiceKey <init>(Ljava/lang/String;Ljava/lang/String;ZLjava/security/Provider$1;)V
class java/security/Provider java/util/Properties
java/security/Provider serialVersionUID
java/security/Provider
 debug
java/security/Provider name
java/security/Provider info
java/security/Provider version
java/security/Provider entrySet
java/security/Provider entrySetCallCount
java/security/Provider legacyChanged
java/security/Provider servicesChanged
java/security/Provider legacyStrings
java/security/Provider serviceMap
java/security/Provider legacyMap
java/security/Provider serviceSet
java/security/Provider ALIAS_PREFIX
java/security/Provider ALIAS_PREFIX_LOWER
java/security/Provider ALIAS_LENGTH
java/security/Provider previousKey
java/security/Provider knownEngines
java/security/Provider <init>(Ljava/lang/String;DLjava/lang/String;)V
java/security/Provider getName()Ljava/lang/String;
java/security/Provider getVersion()D
java/security/Provider getInfo()Ljava/lang/String;
java/security/Provider toString()Ljava/lang/String;
java/security/Provider clear()V
java/security/Provider load(Ljava/io/InputStream;)V
java/security/Provider putAll(Ljava/util/Map;)V
java/security/Provider entrySet()Ljava/util/Set;
java/security/Provider
 keySet()Ljava/util/Set;
java/security/Provider values()Ljava/util/Collection;
java/security/Provider put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;

java/security/Provider remove(Ljava/lang/Object;)Ljava/lang/Object;
java/security/Provider check(Ljava/lang/String;)V
java/security/Provider putId()V
java/security/Provider implPutAll(Ljava/util/Map;)V
java/security/Provider implRemove(Ljava/lang/Object;)Ljava/lang/Object;
java/security/Provider implPut(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/security/Provider implClear()V
java/security/Provider ensureLegacyParsed()V
java/security/Provider removeInvalidServices(Ljava/util/Map;)V
java/security/Provider getTypeAndAlgorithm(Ljava/lang/String;)[Ljava/lang/String;
java/security/Provider parseLegacyPut(Ljava/lang/String;Ljava/lang/String;)V
java/security/Provider getService(Ljava/lang/String;Ljava/lang/String;)Ljava/security/Provider$Service;
java/security/Provider getServices()Ljava/util/Set;
java/security/Provider
putService(Ljava/security/Provider$Service;)V
java/security/Provider putPropertyStrings(Ljava/security/Provider$Service;)V
java/security/Provider removePropertyStrings(Ljava/security/Provider$Service;)V
java/security/Provider removeService(Ljava/security/Provider$Service;)V
java/security/Provider implRemoveService(Ljava/security/Provider$Service;)V
java/security/Provider addEngine(Ljava/lang/String;ZZ)V
java/security/Provider getEngineName(Ljava/lang/String;)Ljava/lang/String;
java/security/Provider access$900(Ljava/lang/String;)Ljava/lang/String;
java/security/Provider access$1000()Ljava/util/Map;
java/security/Provider <clinit>()V
class java/lang/Package java/lang/Object
java/lang/Package pkgs
java/lang/Package urls
java/lang/Package mans
java/lang/Package pkgName
java/lang/Package specTitle
java/lang/Package specVersion
java/lang/Package specVendor
java/lang/Package implTitle
java/lang/Package implVersion
java/lang/Package implVendor
java/lang/Package
sealBase
java/lang/Package loader
java/lang/Package packageInfo
java/lang/Package getName()Ljava/lang/String;
java/lang/Package getSpecificationTitle()Ljava/lang/String;
java/lang/Package getSpecificationVersion()Ljava/lang/String;
java/lang/Package getSpecificationVendor()Ljava/lang/String;
java/lang/Package getImplementationTitle()Ljava/lang/String;
java/lang/Package getImplementationVersion()Ljava/lang/String;
java/lang/Package getImplementationVendor()Ljava/lang/String;
java/lang/Package isSealed()Z
java/lang/Package isSealed(Ljava/net/URL;)Z

java/lang/Package isCompatibleWith(Ljava/lang/String;)Z
java/lang/Package getPackage(Ljava/lang/String;)Ljava/lang/Package;
java/lang/Package getPackages()[Ljava/lang/Package;
java/lang/Package getPackage(Ljava/lang/Class;)Ljava/lang/Package;
java/lang/Package hashCode()I
java/lang/Package toString()Ljava/lang/String;
java/lang/Package getPackageInfo()Ljava/lang/Class;
java/lang/Package getAnnotation(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;
java/lang/Package
isAnnotationPresent(Ljava/lang/Class;)Z
java/lang/Package getAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/Package getDeclaredAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/Package
<init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;
Ljava/lang/String;Ljava/net/URL;Ljava/lang/ClassLoader;)V
java/lang/Package <init>(Ljava/lang/String;Ljava/util/jar/Manifest;Ljava/net/URL;Ljava/lang/ClassLoader;)V
java/lang/Package getSystemPackage(Ljava/lang/String;)Ljava/lang/Package;
java/lang/Package getSystemPackages()[Ljava/lang/Package;
java/lang/Package defineSystemPackage(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/Package;
java/lang/Package loadManifest(Ljava/lang/String;)Ljava/util/jar/Manifest;
java/lang/Package getSystemPackage0(Ljava/lang/String;)Ljava/lang/String;
java/lang/Package getSystemPackages0()[Ljava/lang/String;
java/lang/Package access$000()Ljava/util/Map;
java/lang/Package
access$100(Ljava/lang/String;)Ljava/util/jar/Manifest;
java/lang/Package access$200()Ljava/util/Map;
java/lang/Package
<init>(Ljava/lang/String;Ljava/util/jar/Manifest;Ljava/net/URL;Ljava/lang/ClassLoader;Ljava/lang/Package$1;)V
java/lang/Package access$400()Ljava/util/Map;
java/lang/Package <clinit>()V
class java/io/ByteArrayOutputStream java/io/OutputStream
java/io/ByteArrayOutputStream buf
java/io/ByteArrayOutputStream count
java/io/ByteArrayOutputStream <init>()V
java/io/ByteArrayOutputStream <init>(I)V
java/io/ByteArrayOutputStream write(I)V
java/io/ByteArrayOutputStream write([BII)V
java/io/ByteArrayOutputStream writeTo(Ljava/io/OutputStream;)V
java/io/ByteArrayOutputStream reset()V
java/io/ByteArrayOutputStream toByteArray()[B
java/io/ByteArrayOutputStream size()I
java/io/ByteArrayOutputStream toString()Ljava/lang/String;
java/io/ByteArrayOutputStream toString(Ljava/lang/String;)Ljava/lang/String;
java/io/ByteArrayOutputStream toString(I)Ljava/lang/String;
java/io/ByteArrayOutputStream
close()V
class java/util/jar/JarVerifier java/lang/Object
java/util/jar/JarVerifier debug

java/util/jar/JarVerifier verifiedSigners
java/util/jar/JarVerifier sigFileSigners
java/util/jar/JarVerifier sigFileData
java/util/jar/JarVerifier pendingBlocks
java/util/jar/JarVerifier signerCache
java/util/jar/JarVerifier parsingBlockOrSF
java/util/jar/JarVerifier parsingMeta
java/util/jar/JarVerifier anyToVerify
java/util/jar/JarVerifier baos
java/util/jar/JarVerifier manDig
java/util/jar/JarVerifier manifestRawBytes
java/util/jar/JarVerifier <init>([B)V
java/util/jar/JarVerifier beginEntry(Ljava/util/jar/JarEntry;Lsun/security/util/ManifestEntryVerifier;)V
java/util/jar/JarVerifier update(ILsun/security/util/ManifestEntryVerifier;)V
java/util/jar/JarVerifier update(I[BIILsun/security/util/ManifestEntryVerifier;)V
java/util/jar/JarVerifier processEntry(Lsun/security/util/ManifestEntryVerifier;)V
java/util/jar/JarVerifier getCerts(Ljava/lang/String;)[Ljava/security/cert/Certificate;
java/util/jar/JarVerifier
getCodeSigners(Ljava/lang/String;)[Ljava/security/CodeSigner;
java/util/jar/JarVerifier nothingToVerify()Z
java/util/jar/JarVerifier doneWithMeta()V
java/util/jar/JarVerifier <clinit>()V
class java/util/jar/Attributes$Name java/lang/Object
java/util/jar/Attributes$Name name
java/util/jar/Attributes$Name hashCode
java/util/jar/Attributes$Name MANIFEST_VERSION
java/util/jar/Attributes$Name SIGNATURE_VERSION
java/util/jar/Attributes$Name CONTENT_TYPE
java/util/jar/Attributes$Name CLASS_PATH
java/util/jar/Attributes$Name MAIN_CLASS
java/util/jar/Attributes$Name SEALED
java/util/jar/Attributes$Name EXTENSION_LIST
java/util/jar/Attributes$Name EXTENSION_NAME
java/util/jar/Attributes$Name EXTENSION_INSTALLATION
java/util/jar/Attributes$Name IMPLEMENTATION_TITLE
java/util/jar/Attributes$Name IMPLEMENTATION_VERSION
java/util/jar/Attributes$Name IMPLEMENTATION_VENDOR
java/util/jar/Attributes$Name IMPLEMENTATION_VENDOR_ID
java/util/jar/Attributes$Name IMPLEMENTATION_URL
java/util/jar/Attributes$Name
SPECIFICATION_TITLE
java/util/jar/Attributes$Name SPECIFICATION_VERSION
java/util/jar/Attributes$Name SPECIFICATION_VENDOR
java/util/jar/Attributes$Name <init>(Ljava/lang/String;)V
java/util/jar/Attributes$Name isValid(Ljava/lang/String;)Z
java/util/jar/Attributes$Name isValid(C)Z
java/util/jar/Attributes$Name isAlpha(C)Z
java/util/jar/Attributes$Name isDigit(C)Z

java/util/jar/Attributes$Name equals(Ljava/lang/Object;)Z
java/util/jar/Attributes$Name hashCode()I
java/util/jar/Attributes$Name toString()Ljava/lang/String;
java/util/jar/Attributes$Name <clinit>()V
class java/util/jar/Manifest$FastInputStream java/io/FilterInputStream
java/util/jar/Manifest$FastInputStream buf
java/util/jar/Manifest$FastInputStream count
java/util/jar/Manifest$FastInputStream pos
java/util/jar/Manifest$FastInputStream <init>(Ljava/io/InputStream;)V
java/util/jar/Manifest$FastInputStream <init>(Ljava/io/InputStream;I)V
java/util/jar/Manifest$FastInputStream read()I
java/util/jar/Manifest$FastInputStream
 read([BII)I
java/util/jar/Manifest$FastInputStream readLine([BII)I
java/util/jar/Manifest$FastInputStream peek()B
java/util/jar/Manifest$FastInputStream readLine([B)I
java/util/jar/Manifest$FastInputStream skip(J)J
java/util/jar/Manifest$FastInputStream available()I
java/util/jar/Manifest$FastInputStream close()V
java/util/jar/Manifest$FastInputStream fill()V
class java/util/jar/Attributes java/lang/Object
java/util/jar/Attributes map
java/util/jar/Attributes <init>()V
java/util/jar/Attributes <init>(I)V
java/util/jar/Attributes <init>(Ljava/util/jar/Attributes;)V
java/util/jar/Attributes get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/jar/Attributes getValue(Ljava/lang/String;)Ljava/lang/String;
java/util/jar/Attributes getValue(Ljava/util/jar/Attributes$Name;)Ljava/lang/String;
java/util/jar/Attributes put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/jar/Attributes putValue(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/util/jar/Attributes
 remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/jar/Attributes containsValue(Ljava/lang/Object;)Z
java/util/jar/Attributes containsKey(Ljava/lang/Object;)Z
java/util/jar/Attributes putAll(Ljava/util/Map;)V
java/util/jar/Attributes clear()V
java/util/jar/Attributes size()I
java/util/jar/Attributes isEmpty()Z
java/util/jar/Attributes keySet()Ljava/util/Set;
java/util/jar/Attributes values()Ljava/util/Collection;
java/util/jar/Attributes entrySet()Ljava/util/Set;
java/util/jar/Attributes equals(Ljava/lang/Object;)Z
java/util/jar/Attributes hashCode()I
java/util/jar/Attributes clone()Ljava/lang/Object;
java/util/jar/Attributes write(Ljava/io/DataOutputStream;)V
java/util/jar/Attributes writeMain(Ljava/io/DataOutputStream;)V
java/util/jar/Attributes read(Ljava/util/jar/Manifest$FastInputStream;[B)V
class java/io/ByteArrayInputStream java/io/InputStream

java/io/ByteArrayInputStream buf
java/io/ByteArrayInputStream pos
java/io/ByteArrayInputStream
 mark
java/io/ByteArrayInputStream count
java/io/ByteArrayInputStream <init>([B)V
java/io/ByteArrayInputStream <init>([BII)V
java/io/ByteArrayInputStream read()I
java/io/ByteArrayInputStream read([BII)I
java/io/ByteArrayInputStream skip(J)J
java/io/ByteArrayInputStream available()I
java/io/ByteArrayInputStream markSupported()Z
java/io/ByteArrayInputStream mark(I)V
java/io/ByteArrayInputStream reset()V
java/io/ByteArrayInputStream close()V
class java/util/jar/Manifest java/lang/Object
java/util/jar/Manifest attr
java/util/jar/Manifest entries
java/util/jar/Manifest <init>()V
java/util/jar/Manifest <init>(Ljava/io/InputStream;)V
java/util/jar/Manifest <init>(Ljava/util/jar/Manifest;)V
java/util/jar/Manifest getMainAttributes()Ljava/util/jar/Attributes;
java/util/jar/Manifest getEntries()Ljava/util/Map;
java/util/jar/Manifest getAttributes(Ljava/lang/String;)Ljava/util/jar/Attributes;
java/util/jar/Manifest clear()V
java/util/jar/Manifest write(Ljava/io/OutputStream;)V
java/util/jar/Manifest
 make72Safe(Ljava/lang/StringBuffer;)V
java/util/jar/Manifest read(Ljava/io/InputStream;)V
java/util/jar/Manifest parseName([BI)Ljava/lang/String;
java/util/jar/Manifest toLower(I)I
java/util/jar/Manifest equals(Ljava/lang/Object;)Z
java/util/jar/Manifest hashCode()I
java/util/jar/Manifest clone()Ljava/lang/Object;
class java/awt/PrintGraphics java/lang/Object
java/awt/PrintGraphics getPrintJob()Ljava/awt/PrintJob;
class java/awt/print/PrinterGraphics java/lang/Object
java/awt/print/PrinterGraphics getPrinterJob()Ljava/awt/print/PrinterJob;
class java/nio/ByteBufferAsCharBufferB java/nio/CharBuffer
java/nio/ByteBufferAsCharBufferB bb
java/nio/ByteBufferAsCharBufferB offset
java/nio/ByteBufferAsCharBufferB $assertionsDisabled
java/nio/ByteBufferAsCharBufferB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsCharBufferB <init>(Ljava/nio/ByteBuffer;IIII)V
java/nio/ByteBufferAsCharBufferB slice()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferB duplicate()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferB

asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferB ix(I)I
java/nio/ByteBufferAsCharBufferB get()C
java/nio/ByteBufferAsCharBufferB get(I)C
java/nio/ByteBufferAsCharBufferB put(C)Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferB put(IC)Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferB compact()Ljava/nio/CharBuffer;
java/nio/ByteBufferAsCharBufferB isDirect()Z
java/nio/ByteBufferAsCharBufferB isReadOnly()Z
java/nio/ByteBufferAsCharBufferB toString(II)Ljava/lang/String;
java/nio/ByteBufferAsCharBufferB subSequence(II)Ljava/lang/CharSequence;
java/nio/ByteBufferAsCharBufferB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsCharBufferB <clinit>()V
class java/nio/ByteBufferAsShortBufferB java/nio/ShortBuffer
java/nio/ByteBufferAsShortBufferB bb
java/nio/ByteBufferAsShortBufferB offset
java/nio/ByteBufferAsShortBufferB $assertionsDisabled
java/nio/ByteBufferAsShortBufferB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsShortBufferB
<init>(Ljava/nio/ByteBuffer;IIII)V
java/nio/ByteBufferAsShortBufferB slice()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferB duplicate()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferB asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferB ix(I)I
java/nio/ByteBufferAsShortBufferB get()S
java/nio/ByteBufferAsShortBufferB get(I)S
java/nio/ByteBufferAsShortBufferB put(S)Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferB put(IS)Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferB compact()Ljava/nio/ShortBuffer;
java/nio/ByteBufferAsShortBufferB isDirect()Z
java/nio/ByteBufferAsShortBufferB isReadOnly()Z
java/nio/ByteBufferAsShortBufferB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsShortBufferB <clinit>()V
class java/nio/ShortBuffer java/nio/Buffer
java/nio/ShortBuffer hb
java/nio/ShortBuffer offset
java/nio/ShortBuffer isReadOnly
java/nio/ShortBuffer <init>(IIII[SI)V
java/nio/ShortBuffer <init>(IIII)V
java/nio/ShortBuffer allocate(I)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer
wrap([SII)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer wrap([S)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer slice()Ljava/nio/ShortBuffer;
java/nio/ShortBuffer duplicate()Ljava/nio/ShortBuffer;
java/nio/ShortBuffer asReadOnlyBuffer()Ljava/nio/ShortBuffer;
java/nio/ShortBuffer get()S
java/nio/ShortBuffer put(S)Ljava/nio/ShortBuffer;

java/nio/ShortBuffer get(I)S
java/nio/ShortBuffer put(IS)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer get([SII)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer get([S)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer put(Ljava/nio/ShortBuffer;)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer put([SII)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer put([S)Ljava/nio/ShortBuffer;
java/nio/ShortBuffer hasArray()Z
java/nio/ShortBuffer array()[S
java/nio/ShortBuffer arrayOffset()I
java/nio/ShortBuffer compact()Ljava/nio/ShortBuffer;
java/nio/ShortBuffer isDirect()Z
java/nio/ShortBuffer toString()Ljava/lang/String;
java/nio/ShortBuffer hashCode()I
java/nio/ShortBuffer
equals(Ljava/lang/Object;)Z
java/nio/ShortBuffer compareTo(Ljava/nio/ShortBuffer;)I
java/nio/ShortBuffer order()Ljava/nio/ByteOrder;
java/nio/ShortBuffer compareTo(Ljava/lang/Object;)I
class java/nio/ByteBufferAsIntBufferB java/nio/IntBuffer
java/nio/ByteBufferAsIntBufferB bb
java/nio/ByteBufferAsIntBufferB offset
java/nio/ByteBufferAsIntBufferB $assertionsDisabled
java/nio/ByteBufferAsIntBufferB <init>(Ljava/nio/ByteBuffer;)V
java/nio/ByteBufferAsIntBufferB <init>(Ljava/nio/ByteBuffer;IIII)V
java/nio/ByteBufferAsIntBufferB slice()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferB duplicate()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferB asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferB ix(I)I
java/nio/ByteBufferAsIntBufferB get()I
java/nio/ByteBufferAsIntBufferB get(I)I
java/nio/ByteBufferAsIntBufferB put(I)Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferB put(II)Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferB compact()Ljava/nio/IntBuffer;
java/nio/ByteBufferAsIntBufferB
isDirect()Z
java/nio/ByteBufferAsIntBufferB isReadOnly()Z
java/nio/ByteBufferAsIntBufferB order()Ljava/nio/ByteOrder;
java/nio/ByteBufferAsIntBufferB <clinit>()V
class java/nio/IntBuffer java/nio/Buffer
java/nio/IntBuffer hb
java/nio/IntBuffer offset
java/nio/IntBuffer isReadOnly
java/nio/IntBuffer <init>(IIII[II)V
java/nio/IntBuffer <init>(IIII)V
java/nio/IntBuffer allocate(I)Ljava/nio/IntBuffer;
java/nio/IntBuffer wrap([III)Ljava/nio/IntBuffer;
java/nio/IntBuffer wrap([I)Ljava/nio/IntBuffer;

java/nio/IntBuffer slice()Ljava/nio/IntBuffer;
java/nio/IntBuffer duplicate()Ljava/nio/IntBuffer;
java/nio/IntBuffer asReadOnlyBuffer()Ljava/nio/IntBuffer;
java/nio/IntBuffer get()I
java/nio/IntBuffer put(I)Ljava/nio/IntBuffer;
java/nio/IntBuffer get(I)I
java/nio/IntBuffer put(II)Ljava/nio/IntBuffer;
java/nio/IntBuffer get([III)Ljava/nio/IntBuffer;
java/nio/IntBuffer get([I)Ljava/nio/IntBuffer;
java/nio/IntBuffer put(Ljava/nio/IntBuffer;)Ljava/nio/IntBuffer;
java/nio/IntBuffer
put([III)Ljava/nio/IntBuffer;
java/nio/IntBuffer put([I)Ljava/nio/IntBuffer;
java/nio/IntBuffer hasArray()Z
java/nio/IntBuffer array()[I
java/nio/IntBuffer arrayOffset()I
java/nio/IntBuffer compact()Ljava/nio/IntBuffer;
java/nio/IntBuffer isDirect()Z
java/nio/IntBuffer toString()Ljava/lang/String;
java/nio/IntBuffer hashCode()I
java/nio/IntBuffer equals(Ljava/lang/Object;)Z
java/nio/IntBuffer compareTo(Ljava/nio/IntBuffer;)I
java/nio/IntBuffer order()Ljava/nio/ByteOrder;
java/nio/IntBuffer compareTo(Ljava/lang/Object;)I
class java/lang/Void java/lang/Object
java/lang/Void TYPE
java/lang/Void <init>()V
java/lang/Void <clinit>()V
class java/nio/DirectByteBuffer$Deallocator java/lang/Object
java/nio/DirectByteBuffer$Deallocator unsafe
java/nio/DirectByteBuffer$Deallocator address
java/nio/DirectByteBuffer$Deallocator capacity
java/nio/DirectByteBuffer$Deallocator $assertionsDisabled
java/nio/DirectByteBuffer$Deallocator <init>(JI)V
java/nio/DirectByteBuffer$Deallocator
run()V
java/nio/DirectByteBuffer$Deallocator <init>(JILjava/nio/DirectByteBuffer$1;)V
java/nio/DirectByteBuffer$Deallocator <clinit>()V
class java/nio/DirectByteBuffer java/nio/MappedByteBuffer
java/nio/DirectByteBuffer unsafe
java/nio/DirectByteBuffer unaligned
java/nio/DirectByteBuffer viewedBuffer
java/nio/DirectByteBuffer cleaner
java/nio/DirectByteBuffer $assertionsDisabled
java/nio/DirectByteBuffer viewedBuffer()Ljava/lang/Object;
java/nio/DirectByteBuffer cleaner()Lsun/misc/Cleaner;
java/nio/DirectByteBuffer <init>(I)V
java/nio/DirectByteBuffer <init>(JI)V

java/nio/DirectByteBuffer <init>(IJLjava/lang/Runnable;)V
java/nio/DirectByteBuffer <init>(Lsun/nio/ch/DirectBuffer;IIIII)V
java/nio/DirectByteBuffer slice()Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer duplicate()Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer asReadOnlyBuffer()Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer address()J
java/nio/DirectByteBuffer ix(I)J
java/nio/DirectByteBuffer get()B
java/nio/DirectByteBuffer
get(I)B
java/nio/DirectByteBuffer get([BII)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer put(B)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer put(IB)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer put(Ljava/nio/ByteBuffer;)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer put([BII)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer compact()Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer isDirect()Z
java/nio/DirectByteBuffer isReadOnly()Z
java/nio/DirectByteBuffer _get(I)B
java/nio/DirectByteBuffer _put(IB)V
java/nio/DirectByteBuffer getChar(J)C
java/nio/DirectByteBuffer getChar()C
java/nio/DirectByteBuffer getChar(I)C
java/nio/DirectByteBuffer putChar(JC)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putChar(C)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putChar(IC)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer asCharBuffer()Ljava/nio/CharBuffer;
java/nio/DirectByteBuffer getShort(J)S
java/nio/DirectByteBuffer getShort()S
java/nio/DirectByteBuffer getShort(I)S
java/nio/DirectByteBuffer
putShort(JS)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putShort(S)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putShort(IS)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer asShortBuffer()Ljava/nio/ShortBuffer;
java/nio/DirectByteBuffer getInt(J)I
java/nio/DirectByteBuffer getInt()I
java/nio/DirectByteBuffer getInt(I)I
java/nio/DirectByteBuffer putInt(JI)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putInt(I)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putInt(II)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer asIntBuffer()Ljava/nio/IntBuffer;
java/nio/DirectByteBuffer getLong(J)J
java/nio/DirectByteBuffer getLong()J
java/nio/DirectByteBuffer getLong(I)J
java/nio/DirectByteBuffer putLong(JJ)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putLong(J)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putLong(IJ)Ljava/nio/ByteBuffer;

java/nio/DirectByteBuffer asLongBuffer()Ljava/nio/LongBuffer;
java/nio/DirectByteBuffer getFloat(J)F
java/nio/DirectByteBuffer getFloat()F
java/nio/DirectByteBuffer
getFloat(I)F
java/nio/DirectByteBuffer putFloat(JF)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putFloat(F)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putFloat(IF)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer asFloatBuffer()Ljava/nio/FloatBuffer;
java/nio/DirectByteBuffer getDouble(J)D
java/nio/DirectByteBuffer getDouble()D
java/nio/DirectByteBuffer getDouble(I)D
java/nio/DirectByteBuffer putDouble(JD)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putDouble(D)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer putDouble(ID)Ljava/nio/ByteBuffer;
java/nio/DirectByteBuffer asDoubleBuffer()Ljava/nio/DoubleBuffer;
java/nio/DirectByteBuffer <clinit>()V
class java/nio/MappedByteBuffer java/nio/ByteBuffer
java/nio/MappedByteBuffer isAMappedBuffer
java/nio/MappedByteBuffer <init>(IIIIZ)V
java/nio/MappedByteBuffer <init>(IIII)V
java/nio/MappedByteBuffer checkMapped()V
java/nio/MappedByteBuffer isLoaded()Z
java/nio/MappedByteBuffer load()Ljava/nio/MappedByteBuffer;
java/nio/MappedByteBuffer
force()Ljava/nio/MappedByteBuffer;
java/nio/MappedByteBuffer isLoaded0(JJ)Z
java/nio/MappedByteBuffer load0(JJI)I
java/nio/MappedByteBuffer force0(JJ)V
class java/lang/Thread$State java/lang/Enum
java/lang/Thread$State NEW
java/lang/Thread$State RUNNABLE
java/lang/Thread$State BLOCKED
java/lang/Thread$State WAITING
java/lang/Thread$State TIMED_WAITING
java/lang/Thread$State TERMINATED
java/lang/Thread$State $VALUES
java/lang/Thread$State values()[Ljava/lang/Thread$State;
java/lang/Thread$State valueOf(Ljava/lang/String;)Ljava/lang/Thread$State;
java/lang/Thread$State <init>(Ljava/lang/String;I)V
java/lang/Thread$State <clinit>()V
class java/lang/Enum java/lang/Object
java/lang/Enum name
java/lang/Enum ordinal
java/lang/Enum name()Ljava/lang/String;
java/lang/Enum ordinal()I
java/lang/Enum <init>(Ljava/lang/String;I)V
java/lang/Enum toString()Ljava/lang/String;

java/lang/Enum equals(Ljava/lang/Object;)Z
java/lang/Enum hashCode()I
java/lang/Enum clone()Ljava/lang/Object;
java/lang/Enum
compareTo(Ljava/lang/Enum;)I
java/lang/Enum getDeclaringClass()Ljava/lang/Class;
java/lang/Enum valueOf(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;
java/lang/Enum compareTo(Ljava/lang/Object;)I
class java/nio/channels/spi/AbstractInterruptibleChannel$1 java/lang/Object
java/nio/channels/spi/AbstractInterruptibleChannel$1 this$0
java/nio/channels/spi/AbstractInterruptibleChannel$1
<init>(Ljava/nio/channels/spi/AbstractInterruptibleChannel;)V
java/nio/channels/spi/AbstractInterruptibleChannel$1 interrupt()V
class java/nio/channels/FileChannel java/nio/channels/spi/AbstractInterruptibleChannel
java/nio/channels/FileChannel <init>()V
java/nio/channels/FileChannel read(Ljava/nio/ByteBuffer;)I
java/nio/channels/FileChannel read([Ljava/nio/ByteBuffer;II)J
java/nio/channels/FileChannel read([Ljava/nio/ByteBuffer;)J
java/nio/channels/FileChannel write(Ljava/nio/ByteBuffer;)I
java/nio/channels/FileChannel write([Ljava/nio/ByteBuffer;II)J
java/nio/channels/FileChannel
write([Ljava/nio/ByteBuffer;)J
java/nio/channels/FileChannel position()J
java/nio/channels/FileChannel position(J)Ljava/nio/channels/FileChannel;
java/nio/channels/FileChannel size()J
java/nio/channels/FileChannel truncate(J)Ljava/nio/channels/FileChannel;
java/nio/channels/FileChannel force(Z)V
java/nio/channels/FileChannel transferTo(JJLjava/nio/channels/WritableByteChannel;)J
java/nio/channels/FileChannel transferFrom(Ljava/nio/channels/ReadableByteChannel;JJ)J
java/nio/channels/FileChannel read(Ljava/nio/ByteBuffer;J)I
java/nio/channels/FileChannel write(Ljava/nio/ByteBuffer;J)I
java/nio/channels/FileChannel map(Ljava/nio/channels/FileChannel$MapMode;JJ)Ljava/nio/MappedByteBuffer;
java/nio/channels/FileChannel lock(JJZ)Ljava/nio/channels/FileLock;
java/nio/channels/FileChannel lock()Ljava/nio/channels/FileLock;
java/nio/channels/FileChannel tryLock(JJZ)Ljava/nio/channels/FileLock;
java/nio/channels/FileChannel tryLock()Ljava/nio/channels/FileLock;
class java/nio/channels/spi/AbstractInterruptibleChannel
java/lang/Object
java/nio/channels/spi/AbstractInterruptibleChannel closeLock
java/nio/channels/spi/AbstractInterruptibleChannel open
java/nio/channels/spi/AbstractInterruptibleChannel interruptor
java/nio/channels/spi/AbstractInterruptibleChannel interrupted
java/nio/channels/spi/AbstractInterruptibleChannel <init>()V
java/nio/channels/spi/AbstractInterruptibleChannel close()V
java/nio/channels/spi/AbstractInterruptibleChannel implCloseChannel()V
java/nio/channels/spi/AbstractInterruptibleChannel isOpen()Z
java/nio/channels/spi/AbstractInterruptibleChannel begin()V
java/nio/channels/spi/AbstractInterruptibleChannel end(Z)V

java/nio/channels/spi/AbstractInterruptibleChannel blockedOn(Lsun/nio/ch/Interruptible;)V
java/nio/channels/spi/AbstractInterruptibleChannel
access$000(Ljava/nio/channels/spi/AbstractInterruptibleChannel;)Ljava/lang/Object;
java/nio/channels/spi/AbstractInterruptibleChannel
access$100(Ljava/nio/channels/spi/AbstractInterruptibleChannel;)Z
java/nio/channels/spi/AbstractInterruptibleChannel
access$202(Ljava/nio/channels/spi/AbstractInterruptibleChannel;Z)Z
java/nio/channels/spi/AbstractInterruptibleChannel
access$102(Ljava/nio/channels/spi/AbstractInterruptibleChannel;Z)Z
class java/nio/channels/InterruptibleChannel java/lang/Object
java/nio/channels/InterruptibleChannel close()V
class java/nio/channels/ScatteringByteChannel java/lang/Object
java/nio/channels/ScatteringByteChannel read([Ljava/nio/ByteBuffer;II)J
java/nio/channels/ScatteringByteChannel read([Ljava/nio/ByteBuffer;)J
class java/nio/channels/GatheringByteChannel java/lang/Object
java/nio/channels/GatheringByteChannel write([Ljava/nio/ByteBuffer;II)J
java/nio/channels/GatheringByteChannel write([Ljava/nio/ByteBuffer;)J
class java/nio/channels/ByteChannel java/lang/Object
class java/nio/channels/WritableByteChannel java/lang/Object
java/nio/channels/WritableByteChannel write(Ljava/nio/ByteBuffer;)I
class java/nio/channels/ReadableByteChannel java/lang/Object
java/nio/channels/ReadableByteChannel
read(Ljava/nio/ByteBuffer;)I
class java/nio/channels/Channel java/lang/Object
java/nio/channels/Channel isOpen()Z
java/nio/channels/Channel close()V
class java/io/RandomAccessFile java/lang/Object
java/io/RandomAccessFile fd
java/io/RandomAccessFile channel
java/io/RandomAccessFile rw
java/io/RandomAccessFile O_RDONLY
java/io/RandomAccessFile O_RDWR
java/io/RandomAccessFile O_SYNC
java/io/RandomAccessFile O_DSYNC
java/io/RandomAccessFile <init>(Ljava/lang/String;Ljava/lang/String;)V
java/io/RandomAccessFile <init>(Ljava/io/File;Ljava/lang/String;)V
java/io/RandomAccessFile getFD()Ljava/io/FileDescriptor;
java/io/RandomAccessFile getChannel()Ljava/nio/channels/FileChannel;
java/io/RandomAccessFile open(Ljava/lang/String;I)V
java/io/RandomAccessFile read()I
java/io/RandomAccessFile readBytes([BII)I
java/io/RandomAccessFile read([BII)I
java/io/RandomAccessFile read([B)I
java/io/RandomAccessFile readFully([B)V
java/io/RandomAccessFile readFully([BII)V
java/io/RandomAccessFile
skipBytes(I)I
java/io/RandomAccessFile write(I)V

java/io/RandomAccessFile writeBytes([BII)V
java/io/RandomAccessFile write([B)V
java/io/RandomAccessFile write([BII)V
java/io/RandomAccessFile getFilePointer()J
java/io/RandomAccessFile seek(J)V
java/io/RandomAccessFile length()J
java/io/RandomAccessFile setLength(J)V
java/io/RandomAccessFile close()V
java/io/RandomAccessFile readBoolean()Z
java/io/RandomAccessFile readByte()B
java/io/RandomAccessFile readUnsignedByte()I
java/io/RandomAccessFile readShort()S
java/io/RandomAccessFile readUnsignedShort()I
java/io/RandomAccessFile readChar()C
java/io/RandomAccessFile readInt()I
java/io/RandomAccessFile readLong()J
java/io/RandomAccessFile readFloat()F
java/io/RandomAccessFile readDouble()D
java/io/RandomAccessFile readLine()Ljava/lang/String;
java/io/RandomAccessFile readUTF()Ljava/lang/String;
java/io/RandomAccessFile writeBoolean(Z)V
java/io/RandomAccessFile writeByte(I)V
java/io/RandomAccessFile writeShort(I)V
java/io/RandomAccessFile
writeChar(I)V
java/io/RandomAccessFile writeInt(I)V
java/io/RandomAccessFile writeLong(J)V
java/io/RandomAccessFile writeFloat(F)V
java/io/RandomAccessFile writeDouble(D)V
java/io/RandomAccessFile writeBytes(Ljava/lang/String;)V
java/io/RandomAccessFile writeChars(Ljava/lang/String;)V
java/io/RandomAccessFile writeUTF(Ljava/lang/String;)V
java/io/RandomAccessFile initIDs()V
java/io/RandomAccessFile close0()V
java/io/RandomAccessFile <clinit>()V
class java/io/DataOutput java/lang/Object
java/io/DataOutput write(I)V
java/io/DataOutput write([B)V
java/io/DataOutput write([BII)V
java/io/DataOutput writeBoolean(Z)V
java/io/DataOutput writeByte(I)V
java/io/DataOutput writeShort(I)V
java/io/DataOutput writeChar(I)V
java/io/DataOutput writeInt(I)V
java/io/DataOutput writeLong(J)V
java/io/DataOutput writeFloat(F)V
java/io/DataOutput writeDouble(D)V
java/io/DataOutput writeBytes(Ljava/lang/String;)V

java/io/DataOutput writeChars(Ljava/lang/String;)V
java/io/DataOutput
writeUTF(Ljava/lang/String;)V
class java/text/AttributedString$AttributedStringIterator java/lang/Object
java/text/AttributedString$AttributedStringIterator beginIndex
java/text/AttributedString$AttributedStringIterator endIndex
java/text/AttributedString$AttributedStringIterator relevantAttributes
java/text/AttributedString$AttributedStringIterator currentIndex
java/text/AttributedString$AttributedStringIterator currentRunIndex
java/text/AttributedString$AttributedStringIterator currentRunStart
java/text/AttributedString$AttributedStringIterator currentRunLimit
java/text/AttributedString$AttributedStringIterator this$0
java/text/AttributedString$AttributedStringIterator
<init>(Ljava/text/AttributedString;[Ljava/text/AttributedCharacterIterator$Attribute;II)V
java/text/AttributedString$AttributedStringIterator equals(Ljava/lang/Object;)Z
java/text/AttributedString$AttributedStringIterator hashCode()I
java/text/AttributedString$AttributedStringIterator clone()Ljava/lang/Object;
java/text/AttributedString$AttributedStringIterator
first()C
java/text/AttributedString$AttributedStringIterator last()C
java/text/AttributedString$AttributedStringIterator current()C
java/text/AttributedString$AttributedStringIterator next()C
java/text/AttributedString$AttributedStringIterator previous()C
java/text/AttributedString$AttributedStringIterator setIndex(I)C
java/text/AttributedString$AttributedStringIterator getBeginIndex()I
java/text/AttributedString$AttributedStringIterator getEndIndex()I
java/text/AttributedString$AttributedStringIterator getIndex()I
java/text/AttributedString$AttributedStringIterator getRunStart()I
java/text/AttributedString$AttributedStringIterator getRunStart(Ljava/text/AttributedCharacterIterator$Attribute;)I
java/text/AttributedString$AttributedStringIterator getRunStart(Ljava/util/Set;)I
java/text/AttributedString$AttributedStringIterator getRunLimit()I
java/text/AttributedString$AttributedStringIterator getRunLimit(Ljava/text/AttributedCharacterIterator$Attribute;)I
java/text/AttributedString$AttributedStringIterator
getRunLimit(Ljava/util/Set;)I
java/text/AttributedString$AttributedStringIterator getAttributes()Ljava/util/Map;
java/text/AttributedString$AttributedStringIterator getAllAttributeKeys()Ljava/util/Set;
java/text/AttributedString$AttributedStringIterator
getAttribute(Ljava/text/AttributedCharacterIterator$Attribute;)Ljava/lang/Object;
java/text/AttributedString$AttributedStringIterator getString()Ljava/text/AttributedString;
java/text/AttributedString$AttributedStringIterator internalSetIndex(I)C
java/text/AttributedString$AttributedStringIterator updateRunInfo()V
class java/text/AttributedCharacterIterator java/lang/Object
java/text/AttributedCharacterIterator getRunStart()I
java/text/AttributedCharacterIterator getRunStart(Ljava/text/AttributedCharacterIterator$Attribute;)I
java/text/AttributedCharacterIterator getRunStart(Ljava/util/Set;)I
java/text/AttributedCharacterIterator getRunLimit()I
java/text/AttributedCharacterIterator

getRunLimit(Ljava/text/AttributedCharacterIterator$Attribute;)I
java/text/AttributedCharacterIterator getRunLimit(Ljava/util/Set;)I
java/text/AttributedCharacterIterator getAttributes()Ljava/util/Map;
java/text/AttributedCharacterIterator
getAttribute(Ljava/text/AttributedCharacterIterator$Attribute;)Ljava/lang/Object;
java/text/AttributedCharacterIterator getAllAttributeKeys()Ljava/util/Set;
class java/text/CharacterIterator java/lang/Object
java/text/CharacterIterator DONE
java/text/CharacterIterator first()C
java/text/CharacterIterator last()C
java/text/CharacterIterator current()C
java/text/CharacterIterator next()C
java/text/CharacterIterator previous()C
java/text/CharacterIterator setIndex(I)C
java/text/CharacterIterator getBeginIndex()I
java/text/CharacterIterator getEndIndex()I
java/text/CharacterIterator getIndex()I
java/text/CharacterIterator clone()Ljava/lang/Object;
class java/text/AttributedString java/lang/Object
java/text/AttributedString ARRAY_SIZE_INCREMENT
java/text/AttributedString
text
java/text/AttributedString runArraySize
java/text/AttributedString runCount
java/text/AttributedString runStarts
java/text/AttributedString runAttributes
java/text/AttributedString runAttributeValues
java/text/AttributedString <init>([Ljava/text/AttributedCharacterIterator;)V
java/text/AttributedString <init>(Ljava/lang/String;)V
java/text/AttributedString <init>(Ljava/lang/String;Ljava/util/Map;)V
java/text/AttributedString <init>(Ljava/text/AttributedCharacterIterator;)V
java/text/AttributedString <init>(Ljava/text/AttributedCharacterIterator;II)V
java/text/AttributedString
<init>(Ljava/text/AttributedCharacterIterator;II[Ljava/text/AttributedCharacterIterator$Attribute;)V
java/text/AttributedString addAttribute(Ljava/text/AttributedCharacterIterator$Attribute;Ljava/lang/Object;)V
java/text/AttributedString addAttribute(Ljava/text/AttributedCharacterIterator$Attribute;Ljava/lang/Object;II)V
java/text/AttributedString addAttributes(Ljava/util/Map;II)V
java/text/AttributedString
addAttributeImpl(Ljava/text/AttributedCharacterIterator$Attribute;Ljava/lang/Object;II)V
java/text/AttributedString createRunAttributeDataVectors()V
java/text/AttributedString ensureRunBreak(I)I
java/text/AttributedString ensureRunBreak(IZ)I
java/text/AttributedString
addAttributeRunData(Ljava/text/AttributedCharacterIterator$Attribute;Ljava/lang/Object;II)V
java/text/AttributedString getIterator()Ljava/text/AttributedCharacterIterator;
java/text/AttributedString
getIterator([Ljava/text/AttributedCharacterIterator$Attribute;)Ljava/text/AttributedCharacterIterator;
java/text/AttributedString

getIterator([Ljava/text/AttributedCharacterIterator$Attribute;II)Ljava/text/AttributedCharacterIterator;
java/text/AttributedString length()I
java/text/AttributedString charAt(I)C
java/text/AttributedString getAttribute(Ljava/text/AttributedCharacterIterator$Attribute;I)Ljava/lang/Object;
java/text/AttributedString
getAttributeCheckRange(Ljava/text/AttributedCharacterIterator$Attribute;III)Ljava/lang/Object;
java/text/AttributedString
attributeValuesMatch(Ljava/util/Set;II)Z
java/text/AttributedString valuesMatch(Ljava/lang/Object;Ljava/lang/Object;)Z
java/text/AttributedString appendContents(Ljava/lang/StringBuffer;Ljava/text/CharacterIterator;)V
java/text/AttributedString setAttributes(Ljava/util/Map;I)V
java/text/AttributedString mapsDiffer(Ljava/util/Map;Ljava/util/Map;)Z
java/text/AttributedString access$000(Ljava/text/AttributedString;I)C
java/text/AttributedString
access$100(Ljava/text/AttributedString;Ljava/text/AttributedCharacterIterator$Attribute;I)Ljava/lang/Object;
java/text/AttributedString access$200(Ljava/lang/Object;Ljava/lang/Object;)Z
java/text/AttributedString access$300(Ljava/text/AttributedString;Ljava/util/Set;II)Z
java/text/AttributedString
access$400(Ljava/text/AttributedString;Ljava/text/AttributedCharacterIterator$Attribute;III)Ljava/lang/Object;
class java/util/Collections$UnmodifiableMap java/lang/Object
java/util/Collections$UnmodifiableMap
serialVersionUID
java/util/Collections$UnmodifiableMap m
java/util/Collections$UnmodifiableMap keySet
java/util/Collections$UnmodifiableMap entrySet
java/util/Collections$UnmodifiableMap values
java/util/Collections$UnmodifiableMap <init>(Ljava/util/Map;)V
java/util/Collections$UnmodifiableMap size()I
java/util/Collections$UnmodifiableMap isEmpty()Z
java/util/Collections$UnmodifiableMap containsKey(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableMap containsValue(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$UnmodifiableMap put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$UnmodifiableMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$UnmodifiableMap putAll(Ljava/util/Map;)V
java/util/Collections$UnmodifiableMap clear()V
java/util/Collections$UnmodifiableMap keySet()Ljava/util/Set;
java/util/Collections$UnmodifiableMap entrySet()Ljava/util/Set;
java/util/Collections$UnmodifiableMap
values()Ljava/util/Collection;
java/util/Collections$UnmodifiableMap equals(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableMap hashCode()I
java/util/Collections$UnmodifiableMap toString()Ljava/lang/String;
class java/awt/font/TextAttribute java/text/AttributedCharacterIterator$Attribute
java/awt/font/TextAttribute instanceMap
java/awt/font/TextAttribute serialVersionUID
java/awt/font/TextAttribute FAMILY
java/awt/font/TextAttribute WEIGHT

java/awt/font/TextAttribute WEIGHT_EXTRA_LIGHT
java/awt/font/TextAttribute WEIGHT_LIGHT
java/awt/font/TextAttribute WEIGHT_DEMILIGHT
java/awt/font/TextAttribute WEIGHT_REGULAR
java/awt/font/TextAttribute WEIGHT_SEMIBOLD
java/awt/font/TextAttribute WEIGHT_MEDIUM
java/awt/font/TextAttribute WEIGHT_DEMIBOLD
java/awt/font/TextAttribute WEIGHT_BOLD
java/awt/font/TextAttribute WEIGHT_HEAVY
java/awt/font/TextAttribute WEIGHT_EXTRABOLD
java/awt/font/TextAttribute WEIGHT_ULTRABOLD
java/awt/font/TextAttribute
WIDTH
java/awt/font/TextAttribute WIDTH_CONDENSED
java/awt/font/TextAttribute WIDTH_SEMI_CONDENSED
java/awt/font/TextAttribute WIDTH_REGULAR
java/awt/font/TextAttribute WIDTH_SEMI_EXTENDED
java/awt/font/TextAttribute WIDTH_EXTENDED
java/awt/font/TextAttribute POSTURE
java/awt/font/TextAttribute POSTURE_REGULAR
java/awt/font/TextAttribute POSTURE_OBLIQUE
java/awt/font/TextAttribute SIZE
java/awt/font/TextAttribute TRANSFORM
java/awt/font/TextAttribute SUPERSCRIPT
java/awt/font/TextAttribute SUPERSCRIPT_SUPER
java/awt/font/TextAttribute SUPERSCRIPT_SUB
java/awt/font/TextAttribute FONT
java/awt/font/TextAttribute CHAR_REPLACEMENT
java/awt/font/TextAttribute FOREGROUND
java/awt/font/TextAttribute BACKGROUND
java/awt/font/TextAttribute UNDERLINE
java/awt/font/TextAttribute UNDERLINE_ON
java/awt/font/TextAttribute STRIKETHROUGH
java/awt/font/TextAttribute STRIKETHROUGH_ON
java/awt/font/TextAttribute RUN_DIRECTION
java/awt/font/TextAttribute RUN_DIRECTION_LTR
java/awt/font/TextAttribute
RUN_DIRECTION_RTL
java/awt/font/TextAttribute BIDI_EMBEDDING
java/awt/font/TextAttribute JUSTIFICATION
java/awt/font/TextAttribute JUSTIFICATION_FULL
java/awt/font/TextAttribute JUSTIFICATION_NONE
java/awt/font/TextAttribute INPUT_METHOD_HIGHLIGHT
java/awt/font/TextAttribute INPUT_METHOD_UNDERLINE
java/awt/font/TextAttribute UNDERLINE_LOW_ONE_PIXEL
java/awt/font/TextAttribute UNDERLINE_LOW_TWO_PIXEL
java/awt/font/TextAttribute UNDERLINE_LOW_DOTTED
java/awt/font/TextAttribute UNDERLINE_LOW_GRAY

java/awt/font/TextAttribute UNDERLINE_LOW_DASHED
java/awt/font/TextAttribute SWAP_COLORS
java/awt/font/TextAttribute SWAP_COLORS_ON
java/awt/font/TextAttribute NUMERIC_SHAPING
java/awt/font/TextAttribute <init>(Ljava/lang/String;)V
java/awt/font/TextAttribute readResolve()Ljava/lang/Object;
java/awt/font/TextAttribute <clinit>()V
class java/text/AttributedCharacterIterator$Attribute java/lang/Object
java/text/AttributedCharacterIterator$Attribute name
java/text/AttributedCharacterIterator$Attribute
 instanceMap
java/text/AttributedCharacterIterator$Attribute LANGUAGE
java/text/AttributedCharacterIterator$Attribute READING
java/text/AttributedCharacterIterator$Attribute INPUT_METHOD_SEGMENT
java/text/AttributedCharacterIterator$Attribute serialVersionUID
java/text/AttributedCharacterIterator$Attribute <init>(Ljava/lang/String;)V
java/text/AttributedCharacterIterator$Attribute equals(Ljava/lang/Object;)Z
java/text/AttributedCharacterIterator$Attribute hashCode()I
java/text/AttributedCharacterIterator$Attribute toString()Ljava/lang/String;
java/text/AttributedCharacterIterator$Attribute getName()Ljava/lang/String;
java/text/AttributedCharacterIterator$Attribute readResolve()Ljava/lang/Object;
java/text/AttributedCharacterIterator$Attribute <clinit>()V
class java/awt/im/spi/InputMethod java/lang/Object
java/awt/im/spi/InputMethod setInputMethodContext(Ljava/awt/im/spi/InputMethodContext;)V
java/awt/im/spi/InputMethod setLocale(Ljava/util/Locale;)Z
java/awt/im/spi/InputMethod getLocale()Ljava/util/Locale;
java/awt/im/spi/InputMethod
 setCharacterSubsets([Ljava/lang/Character$Subset;)V
java/awt/im/spi/InputMethod setCompositionEnabled(Z)V
java/awt/im/spi/InputMethod isCompositionEnabled()Z
java/awt/im/spi/InputMethod reconvert()V
java/awt/im/spi/InputMethod dispatchEvent(Ljava/awt/AWTEvent;)V
java/awt/im/spi/InputMethod notifyClientWindowChange(Ljava/awt/Rectangle;)V
java/awt/im/spi/InputMethod activate()V
java/awt/im/spi/InputMethod deactivate(Z)V
java/awt/im/spi/InputMethod hideWindows()V
java/awt/im/spi/InputMethod removeNotify()V
java/awt/im/spi/InputMethod endComposition()V
java/awt/im/spi/InputMethod dispose()V
java/awt/im/spi/InputMethod getControlObject()Ljava/lang/Object;
class java/awt/event/WindowListener java/lang/Object
java/awt/event/WindowListener windowOpened(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowListener windowClosing(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowListener windowClosed(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowListener
 windowIconified(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowListener windowDeiconified(Ljava/awt/event/WindowEvent;)V
java/awt/event/WindowListener windowActivated(Ljava/awt/event/WindowEvent;)V

java/awt/event/WindowListener windowDeactivated(Ljava/awt/event/WindowEvent;)V
class java/awt/im/spi/InputMethodContext java/lang/Object
java/awt/im/spi/InputMethodContext
dispatchInputMethodEvent(ILjava/text/AttributedCharacterIterator;ILjava/awt/font/TextHitInfo;Ljava/awt/font/Text
HitInfo;)V
java/awt/im/spi/InputMethodContext createInputMethodWindow(Ljava/lang/String;Z)Ljava/awt/Window;
java/awt/im/spi/InputMethodContext createInputMethodJFrame(Ljava/lang/String;Z)Ljavax/swing/JFrame;
java/awt/im/spi/InputMethodContext enableClientWindowNotification(Ljava/awt/im/spi/InputMethod;Z)V
class java/awt/im/InputMethodRequests java/lang/Object
java/awt/im/InputMethodRequests getTextLocation(Ljava/awt/font/TextHitInfo;)Ljava/awt/Rectangle;
java/awt/im/InputMethodRequests getLocationOffset(II)Ljava/awt/font/TextHitInfo;
java/awt/im/InputMethodRequests
getInsertPositionOffset()I
java/awt/im/InputMethodRequests
getCommittedText(II[Ljava/text/AttributedCharacterIterator$Attribute;)Ljava/text/AttributedCharacterIterator;
java/awt/im/InputMethodRequests getCommittedTextLength()I
java/awt/im/InputMethodRequests
cancelLatestCommittedText([Ljava/text/AttributedCharacterIterator$Attribute;)Ljava/text/AttributedCharacterIterat
or;
java/awt/im/InputMethodRequests
getSelectedText([Ljava/text/AttributedCharacterIterator$Attribute;)Ljava/text/AttributedCharacterIterator;
class java/awt/im/InputContext java/lang/Object
java/awt/im/InputContext <init>()V
java/awt/im/InputContext getInstance()Ljava/awt/im/InputContext;
java/awt/im/InputContext selectInputMethod(Ljava/util/Locale;)Z
java/awt/im/InputContext getLocale()Ljava/util/Locale;
java/awt/im/InputContext setCharacterSubsets([Ljava/lang/Character$Subset;)V
java/awt/im/InputContext setCompositionEnabled(Z)V
java/awt/im/InputContext
isCompositionEnabled()Z
java/awt/im/InputContext reconvert()V
java/awt/im/InputContext dispatchEvent(Ljava/awt/AWTEvent;)V
java/awt/im/InputContext removeNotify(Ljava/awt/Component;)V
java/awt/im/InputContext endComposition()V
java/awt/im/InputContext dispose()V
java/awt/im/InputContext getInputMethodControlObject()Ljava/lang/Object;
class java/awt/event/ActionListener java/lang/Object
java/awt/event/ActionListener actionPerformed(Ljava/awt/event/ActionEvent;)V
class java/awt/ItemSelectable java/lang/Object
java/awt/ItemSelectable getSelectedObjects()[Ljava/lang/Object;
java/awt/ItemSelectable addItemListener(Ljava/awt/event/ItemListener;)V
java/awt/ItemSelectable removeItemListener(Ljava/awt/event/ItemListener;)V
class java/util/AbstractList$ListItr java/util/AbstractList$Itr
java/util/AbstractList$ListItr this$0
java/util/AbstractList$ListItr <init>(Ljava/util/AbstractList;I)V
java/util/AbstractList$ListItr hasPrevious()Z
java/util/AbstractList$ListItr previous()Ljava/lang/Object;
java/util/AbstractList$ListItr

nextIndex()I
java/util/AbstractList$ListItr previousIndex()I
java/util/AbstractList$ListItr set(Ljava/lang/Object;)V
java/util/AbstractList$ListItr add(Ljava/lang/Object;)V
class java/util/AbstractList$Itr java/lang/Object
java/util/AbstractList$Itr cursor
java/util/AbstractList$Itr lastRet
java/util/AbstractList$Itr expectedModCount
java/util/AbstractList$Itr this$0
java/util/AbstractList$Itr <init>(Ljava/util/AbstractList;)V
java/util/AbstractList$Itr hasNext()Z
java/util/AbstractList$Itr next()Ljava/lang/Object;
java/util/AbstractList$Itr remove()V
java/util/AbstractList$Itr checkForComodification()V
java/util/AbstractList$Itr <init>(Ljava/util/AbstractList;Ljava/util/AbstractList$1;)V
class java/awt/VKCollection java/lang/Object
java/awt/VKCollection code2name
java/awt/VKCollection name2code
java/awt/VKCollection $assertionsDisabled
java/awt/VKCollection <init>()V
java/awt/VKCollection put(Ljava/lang/String;Ljava/lang/Integer;)V
java/awt/VKCollection
findCode(Ljava/lang/String;)Ljava/lang/Integer;
java/awt/VKCollection findName(Ljava/lang/Integer;)Ljava/lang/String;
java/awt/VKCollection <clinit>()V
class java/beans/PropertyChangeListenerProxy java/util/EventListenerProxy
java/beans/PropertyChangeListenerProxy propertyName
java/beans/PropertyChangeListenerProxy <init>(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/beans/PropertyChangeListenerProxy propertyChange(Ljava/beans/PropertyChangeEvent;)V
java/beans/PropertyChangeListenerProxy getPropertyName()Ljava/lang/String;
class java/util/EventListenerProxy java/lang/Object
java/util/EventListenerProxy listener
java/util/EventListenerProxy <init>(Ljava/util/EventListener;)V
java/util/EventListenerProxy getListener()Ljava/util/EventListener;
class java/util/ResourceBundleEnumeration java/lang/Object
java/util/ResourceBundleEnumeration set
java/util/ResourceBundleEnumeration iterator
java/util/ResourceBundleEnumeration enumeration
java/util/ResourceBundleEnumeration
next
java/util/ResourceBundleEnumeration <init>(Ljava/util/Set;Ljava/util/Enumeration;)V
java/util/ResourceBundleEnumeration hasMoreElements()Z
java/util/ResourceBundleEnumeration nextElement()Ljava/lang/String;
java/util/ResourceBundleEnumeration nextElement()Ljava/lang/Object;
class java/util/Arrays$ArrayList java/util/AbstractList
java/util/Arrays$ArrayList serialVersionUID
java/util/Arrays$ArrayList a
java/util/Arrays$ArrayList <init>([Ljava/lang/Object;)V

java/util/Arrays$ArrayList size()I
java/util/Arrays$ArrayList toArray()[Ljava/lang/Object;
java/util/Arrays$ArrayList get(I)Ljava/lang/Object;
java/util/Arrays$ArrayList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/Arrays$ArrayList indexOf(Ljava/lang/Object;)I
java/util/Arrays$ArrayList contains(Ljava/lang/Object;)Z
class java/awt/FlowLayout java/lang/Object
java/awt/FlowLayout LEFT
java/awt/FlowLayout CENTER
java/awt/FlowLayout RIGHT
java/awt/FlowLayout LEADING
java/awt/FlowLayout TRAILING
java/awt/FlowLayout align
java/awt/FlowLayout
newAlign
java/awt/FlowLayout hgap
java/awt/FlowLayout vgap
java/awt/FlowLayout serialVersionUID
java/awt/FlowLayout currentSerialVersion
java/awt/FlowLayout serialVersionOnStream
java/awt/FlowLayout <init>()V
java/awt/FlowLayout <init>(I)V
java/awt/FlowLayout <init>(III)V
java/awt/FlowLayout getAlignment()I
java/awt/FlowLayout setAlignment(I)V
java/awt/FlowLayout getHgap()I
java/awt/FlowLayout setHgap(I)V
java/awt/FlowLayout getVgap()I
java/awt/FlowLayout setVgap(I)V
java/awt/FlowLayout addLayoutComponent(Ljava/lang/String;Ljava/awt/Component;)V
java/awt/FlowLayout removeLayoutComponent(Ljava/awt/Component;)V
java/awt/FlowLayout preferredLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/FlowLayout minimumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/FlowLayout moveComponents(Ljava/awt/Container;IIIIIZ)V
java/awt/FlowLayout layoutContainer(Ljava/awt/Container;)V
java/awt/FlowLayout readObject(Ljava/io/ObjectInputStream;)V
java/awt/FlowLayout
toString()Ljava/lang/String;
class java/awt/GraphicsCallback$PaintCallback java/awt/GraphicsCallback
java/awt/GraphicsCallback$PaintCallback instance
java/awt/GraphicsCallback$PaintCallback <init>()V
java/awt/GraphicsCallback$PaintCallback run(Ljava/awt/Component;Ljava/awt/Graphics;)V
java/awt/GraphicsCallback$PaintCallback getInstance()Ljava/awt/GraphicsCallback$PaintCallback;
java/awt/GraphicsCallback$PaintCallback <clinit>()V
class java/awt/GraphicsCallback sun/awt/SunGraphicsCallback
java/awt/GraphicsCallback <init>()V
class java/awt/Event java/lang/Object
java/awt/Event data

java/awt/Event SHIFT_MASK
java/awt/Event CTRL_MASK
java/awt/Event META_MASK
java/awt/Event ALT_MASK
java/awt/Event HOME
java/awt/Event END
java/awt/Event PGUP
java/awt/Event PGDN
java/awt/Event UP
java/awt/Event DOWN
java/awt/Event LEFT
java/awt/Event RIGHT
java/awt/Event F1
java/awt/Event F2
java/awt/Event F3
java/awt/Event F4
java/awt/Event F5
java/awt/Event F6
java/awt/Event F7
java/awt/Event F8
java/awt/Event
F9
java/awt/Event F10
java/awt/Event F11
java/awt/Event F12
java/awt/Event PRINT_SCREEN
java/awt/Event SCROLL_LOCK
java/awt/Event CAPS_LOCK
java/awt/Event NUM_LOCK
java/awt/Event PAUSE
java/awt/Event INSERT
java/awt/Event ENTER
java/awt/Event BACK_SPACE
java/awt/Event TAB
java/awt/Event ESCAPE
java/awt/Event DELETE
java/awt/Event WINDOW_EVENT
java/awt/Event WINDOW_DESTROY
java/awt/Event WINDOW_EXPOSE
java/awt/Event WINDOW_ICONIFY
java/awt/Event WINDOW_DEICONIFY
java/awt/Event WINDOW_MOVED
java/awt/Event KEY_EVENT
java/awt/Event KEY_PRESS
java/awt/Event KEY_RELEASE
java/awt/Event KEY_ACTION
java/awt/Event KEY_ACTION_RELEASE
java/awt/Event MOUSE_EVENT

java/awt/Event MOUSE_DOWN
java/awt/Event MOUSE_UP
java/awt/Event MOUSE_MOVE
java/awt/Event MOUSE_ENTER
java/awt/Event MOUSE_EXIT
java/awt/Event MOUSE_DRAG
java/awt/Event SCROLL_EVENT
java/awt/Event SCROLL_LINE_UP
java/awt/Event SCROLL_LINE_DOWN
java/awt/Event SCROLL_PAGE_UP
java/awt/Event SCROLL_PAGE_DOWN
java/awt/Event SCROLL_ABSOLUTE
java/awt/Event
SCROLL_BEGIN
java/awt/Event SCROLL_END
java/awt/Event LIST_EVENT
java/awt/Event LIST_SELECT
java/awt/Event LIST_DESELECT
java/awt/Event MISC_EVENT
java/awt/Event ACTION_EVENT
java/awt/Event LOAD_FILE
java/awt/Event SAVE_FILE
java/awt/Event GOT_FOCUS
java/awt/Event LOST_FOCUS
java/awt/Event target
java/awt/Event when
java/awt/Event id
java/awt/Event x
java/awt/Event y
java/awt/Event key
java/awt/Event modifiers
java/awt/Event clickCount
java/awt/Event arg
java/awt/Event evt
java/awt/Event actionKeyCodes
java/awt/Event consumed
java/awt/Event serialVersionUID
java/awt/Event initIDs()V
java/awt/Event <init>(Ljava/lang/Object;JIIIIILjava/lang/Object;)V
java/awt/Event <init>(Ljava/lang/Object;JIIIII)V
java/awt/Event <init>(Ljava/lang/Object;ILjava/lang/Object;)V
java/awt/Event translate(II)V
java/awt/Event shiftDown()Z
java/awt/Event controlDown()Z
java/awt/Event metaDown()Z
java/awt/Event consume()V
java/awt/Event isConsumed()Z
java/awt/Event getOldEventKey(Ljava/awt/event/KeyEvent;)I

java/awt/Event
 getKeyEventChar()C
java/awt/Event paramString()Ljava/lang/String;
java/awt/Event toString()Ljava/lang/String;
java/awt/Event <clinit>()V
class java/awt/KeyboardFocusManager$LightweightFocusRequest java/lang/Object
java/awt/KeyboardFocusManager$LightweightFocusRequest component
java/awt/KeyboardFocusManager$LightweightFocusRequest temporary
java/awt/KeyboardFocusManager$LightweightFocusRequest <init>(Ljava/awt/Component;Z)V
java/awt/KeyboardFocusManager$LightweightFocusRequest toString()Ljava/lang/String;
class java/awt/DefaultKeyboardFocusManager$TypeAheadMarker java/lang/Object
java/awt/DefaultKeyboardFocusManager$TypeAheadMarker after
java/awt/DefaultKeyboardFocusManager$TypeAheadMarker untilFocused
java/awt/DefaultKeyboardFocusManager$TypeAheadMarker <init>(JLjava/awt/Component;)V
java/awt/DefaultKeyboardFocusManager$TypeAheadMarker toString()Ljava/lang/String;
class java/util/LinkedList$ListItr java/lang/Object
java/util/LinkedList$ListItr lastReturned
java/util/LinkedList$ListItr
 next
java/util/LinkedList$ListItr nextIndex
java/util/LinkedList$ListItr expectedModCount
java/util/LinkedList$ListItr this$0
java/util/LinkedList$ListItr <init>(Ljava/util/LinkedList;I)V
java/util/LinkedList$ListItr hasNext()Z
java/util/LinkedList$ListItr next()Ljava/lang/Object;
java/util/LinkedList$ListItr hasPrevious()Z
java/util/LinkedList$ListItr previous()Ljava/lang/Object;
java/util/LinkedList$ListItr nextIndex()I
java/util/LinkedList$ListItr previousIndex()I
java/util/LinkedList$ListItr remove()V
java/util/LinkedList$ListItr set(Ljava/lang/Object;)V
java/util/LinkedList$ListItr add(Ljava/lang/Object;)V
java/util/LinkedList$ListItr checkForComodification()V
class java/util/ListIterator java/lang/Object
java/util/ListIterator hasNext()Z
java/util/ListIterator next()Ljava/lang/Object;
java/util/ListIterator hasPrevious()Z
java/util/ListIterator previous()Ljava/lang/Object;
java/util/ListIterator nextIndex()I
java/util/ListIterator previousIndex()I
java/util/ListIterator
 remove()V
java/util/ListIterator set(Ljava/lang/Object;)V
java/util/ListIterator add(Ljava/lang/Object;)V
class java/awt/KeyboardFocusManager$HeavyweightFocusRequest java/lang/Object
java/awt/KeyboardFocusManager$HeavyweightFocusRequest heavyweight
java/awt/KeyboardFocusManager$HeavyweightFocusRequest lightweightRequests
java/awt/KeyboardFocusManager$HeavyweightFocusRequest CLEAR_GLOBAL_FOCUS_OWNER

java/awt/KeyboardFocusManager$HeavyweightFocusRequest <init>()V
java/awt/KeyboardFocusManager$HeavyweightFocusRequest
<init>(Ljava/awt/Component;Ljava/awt/Component;Z)V
java/awt/KeyboardFocusManager$HeavyweightFocusRequest addLightweightRequest(Ljava/awt/Component;Z)Z
java/awt/KeyboardFocusManager$HeavyweightFocusRequest
getFirstLightweightRequest()Ljava/awt/KeyboardFocusManager$LightweightFocusRequest;
java/awt/KeyboardFocusManager$HeavyweightFocusRequest toString()Ljava/lang/String;
java/awt/KeyboardFocusManager$HeavyweightFocusRequest <clinit>()V
class java/awt/event/FocusEvent
java/awt/event/ComponentEvent
java/awt/event/FocusEvent FOCUS_FIRST
java/awt/event/FocusEvent FOCUS_LAST
java/awt/event/FocusEvent FOCUS_GAINED
java/awt/event/FocusEvent FOCUS_LOST
java/awt/event/FocusEvent temporary
java/awt/event/FocusEvent opposite
java/awt/event/FocusEvent serialVersionUID
java/awt/event/FocusEvent <init>(Ljava/awt/Component;IZLjava/awt/Component;)V
java/awt/event/FocusEvent <init>(Ljava/awt/Component;IZ)V
java/awt/event/FocusEvent <init>(Ljava/awt/Component;I)V
java/awt/event/FocusEvent isTemporary()Z
java/awt/event/FocusEvent getOppositeComponent()Ljava/awt/Component;
java/awt/event/FocusEvent paramString()Ljava/lang/String;
class java/awt/DefaultKeyboardFocusManager$DefaultKeyboardFocusManagerSentEvent java/awt/SentEvent
java/awt/DefaultKeyboardFocusManager$DefaultKeyboardFocusManagerSentEvent
<init>(Ljava/awt/AWTEvent;Lsun/awt/AppContext;)V
java/awt/DefaultKeyboardFocusManager$DefaultKeyboardFocusManagerSentEvent dispatch()V
class java/awt/SentEvent java/awt/AWTEvent
java/awt/SentEvent
ID
java/awt/SentEvent dispatched
java/awt/SentEvent nested
java/awt/SentEvent toNotify
java/awt/SentEvent <init>()V
java/awt/SentEvent <init>(Ljava/awt/AWTEvent;)V
java/awt/SentEvent <init>(Ljava/awt/AWTEvent;Lsun/awt/AppContext;)V
java/awt/SentEvent dispatch()V
java/awt/SentEvent dispose()V
class java/awt/event/MouseEvent java/awt/event/InputEvent
java/awt/event/MouseEvent MOUSE_FIRST
java/awt/event/MouseEvent MOUSE_LAST
java/awt/event/MouseEvent MOUSE_CLICKED
java/awt/event/MouseEvent MOUSE_PRESSED
java/awt/event/MouseEvent MOUSE_RELEASED
java/awt/event/MouseEvent MOUSE_MOVED
java/awt/event/MouseEvent MOUSE_ENTERED
java/awt/event/MouseEvent MOUSE_EXITED
java/awt/event/MouseEvent MOUSE_DRAGGED

java/awt/event/MouseEvent MOUSE_WHEEL
java/awt/event/MouseEvent NOBUTTON
java/awt/event/MouseEvent BUTTON1
java/awt/event/MouseEvent BUTTON2
java/awt/event/MouseEvent BUTTON3
java/awt/event/MouseEvent x
java/awt/event/MouseEvent y
java/awt/event/MouseEvent clickCount
java/awt/event/MouseEvent
button
java/awt/event/MouseEvent popupTrigger
java/awt/event/MouseEvent serialVersionUID
java/awt/event/MouseEvent initIDs()V
java/awt/event/MouseEvent <init>(Ljava/awt/Component;IJIIIIZI)V
java/awt/event/MouseEvent <init>(Ljava/awt/Component;IJIIIIZ)V
java/awt/event/MouseEvent getX()I
java/awt/event/MouseEvent getY()I
java/awt/event/MouseEvent getPoint()Ljava/awt/Point;
java/awt/event/MouseEvent translatePoint(II)V
java/awt/event/MouseEvent getClickCount()I
java/awt/event/MouseEvent getButton()I
java/awt/event/MouseEvent isPopupTrigger()Z
java/awt/event/MouseEvent getMouseModifiersText(I)Ljava/lang/String;
java/awt/event/MouseEvent paramString()Ljava/lang/String;
java/awt/event/MouseEvent setNewModifiers()V
java/awt/event/MouseEvent setOldModifiers()V
java/awt/event/MouseEvent readObject(Ljava/io/ObjectInputStream;)V
java/awt/event/MouseEvent <clinit>()V
class java/awt/event/PaintEvent java/awt/event/ComponentEvent
java/awt/event/PaintEvent PAINT_FIRST
java/awt/event/PaintEvent
PAINT_LAST
java/awt/event/PaintEvent PAINT
java/awt/event/PaintEvent UPDATE
java/awt/event/PaintEvent updateRect
java/awt/event/PaintEvent serialVersionUID
java/awt/event/PaintEvent <init>(Ljava/awt/Component;ILjava/awt/Rectangle;)V
java/awt/event/PaintEvent getUpdateRect()Ljava/awt/Rectangle;
java/awt/event/PaintEvent setUpdateRect(Ljava/awt/Rectangle;)V
java/awt/event/PaintEvent paramString()Ljava/lang/String;
class java/lang/reflect/InvocationTargetException java/lang/Exception
java/lang/reflect/InvocationTargetException serialVersionUID
java/lang/reflect/InvocationTargetException target
java/lang/reflect/InvocationTargetException <init>()V
java/lang/reflect/InvocationTargetException <init>(Ljava/lang/Throwable;)V
java/lang/reflect/InvocationTargetException <init>(Ljava/lang/Throwable;Ljava/lang/String;)V
java/lang/reflect/InvocationTargetException getTargetException()Ljava/lang/Throwable;
java/lang/reflect/InvocationTargetException getCause()Ljava/lang/Throwable;

class
java/util/EmptyStackException java/lang/RuntimeException
java/util/EmptyStackException <init>()V
class java/awt/SequencedEvent java/awt/AWTEvent
java/awt/SequencedEvent ID
java/awt/SequencedEvent list
java/awt/SequencedEvent nested
java/awt/SequencedEvent appContext
java/awt/SequencedEvent disposed
java/awt/SequencedEvent <init>(Ljava/awt/AWTEvent;)V
java/awt/SequencedEvent dispatch()V
java/awt/SequencedEvent isOwnerAppContextDisposed(Ljava/awt/SequencedEvent;)Z
java/awt/SequencedEvent isFirstOrDisposed()Z
java/awt/SequencedEvent getFirst()Ljava/awt/SequencedEvent;
java/awt/SequencedEvent getFirstWithContext()Ljava/awt/SequencedEvent;
java/awt/SequencedEvent dispose()V
java/awt/SequencedEvent <clinit>()V
class java/awt/event/WindowEvent java/awt/event/ComponentEvent
java/awt/event/WindowEvent WINDOW_FIRST
java/awt/event/WindowEvent WINDOW_OPENED
java/awt/event/WindowEvent WINDOW_CLOSING
java/awt/event/WindowEvent WINDOW_CLOSED
java/awt/event/WindowEvent WINDOW_ICONIFIED
java/awt/event/WindowEvent
WINDOW_DEICONIFIED
java/awt/event/WindowEvent WINDOW_ACTIVATED
java/awt/event/WindowEvent WINDOW_DEACTIVATED
java/awt/event/WindowEvent WINDOW_GAINED_FOCUS
java/awt/event/WindowEvent WINDOW_LOST_FOCUS
java/awt/event/WindowEvent WINDOW_STATE_CHANGED
java/awt/event/WindowEvent WINDOW_LAST
java/awt/event/WindowEvent opposite
java/awt/event/WindowEvent oldState
java/awt/event/WindowEvent newState
java/awt/event/WindowEvent serialVersionUID
java/awt/event/WindowEvent <init>(Ljava/awt/Window;ILjava/awt/Window;II)V
java/awt/event/WindowEvent <init>(Ljava/awt/Window;ILjava/awt/Window;)V
java/awt/event/WindowEvent <init>(Ljava/awt/Window;III)V
java/awt/event/WindowEvent <init>(Ljava/awt/Window;I)V
java/awt/event/WindowEvent getWindow()Ljava/awt/Window;
java/awt/event/WindowEvent getOppositeWindow()Ljava/awt/Window;
java/awt/event/WindowEvent getOldState()I
java/awt/event/WindowEvent getNewState()I
java/awt/event/WindowEvent paramString()Ljava/lang/String;
class java/awt/peer/LabelPeer
java/lang/Object
java/awt/peer/LabelPeer setText(Ljava/lang/String;)V
java/awt/peer/LabelPeer setAlignment(I)V

class java/awt/peer/LightweightPeer java/lang/Object
class java/awt/peer/MenuComponentPeer java/lang/Object
java/awt/peer/MenuComponentPeer dispose()V
java/awt/peer/MenuComponentPeer setFont(Ljava/awt/Font;)V
class java/awt/MenuComponent java/lang/Object
java/awt/MenuComponent peer
java/awt/MenuComponent parent
java/awt/MenuComponent appContext
java/awt/MenuComponent font
java/awt/MenuComponent name
java/awt/MenuComponent nameExplicitlySet
java/awt/MenuComponent newEventsOnly
java/awt/MenuComponent actionListenerK
java/awt/MenuComponent itemListenerK
java/awt/MenuComponent serialVersionUID
java/awt/MenuComponent privateKey
java/awt/MenuComponent accessibleContext
java/awt/MenuComponent <init>()V
java/awt/MenuComponent constructComponentName()Ljava/lang/String;
java/awt/MenuComponent getName()Ljava/lang/String;
java/awt/MenuComponent setName(Ljava/lang/String;)V
java/awt/MenuComponent
 getParent()Ljava/awt/MenuContainer;
java/awt/MenuComponent getParent_NoClientCode()Ljava/awt/MenuContainer;
java/awt/MenuComponent getPeer()Ljava/awt/peer/MenuComponentPeer;
java/awt/MenuComponent getFont()Ljava/awt/Font;
java/awt/MenuComponent getFont_NoClientCode()Ljava/awt/Font;
java/awt/MenuComponent setFont(Ljava/awt/Font;)V
java/awt/MenuComponent removeNotify()V
java/awt/MenuComponent postEvent(Ljava/awt/Event;)Z
java/awt/MenuComponent dispatchEvent(Ljava/awt/AWTEvent;)V
java/awt/MenuComponent dispatchEventImpl(Ljava/awt/AWTEvent;)V
java/awt/MenuComponent eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/MenuComponent processEvent(Ljava/awt/AWTEvent;)V
java/awt/MenuComponent paramString()Ljava/lang/String;
java/awt/MenuComponent toString()Ljava/lang/String;
java/awt/MenuComponent getTreeLock()Ljava/lang/Object;
java/awt/MenuComponent readObject(Ljava/io/ObjectInputStream;)V
java/awt/MenuComponent initIDs()V
java/awt/MenuComponent getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/MenuComponent
 getAccessibleIndexInParent()I
java/awt/MenuComponent getAccessibleChildIndex(Ljava/awt/MenuComponent;)I
java/awt/MenuComponent getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
java/awt/MenuComponent <clinit>()V
class java/awt/Component$NativeInLightFixer java/lang/Object
java/awt/Component$NativeInLightFixer lightParents
java/awt/Component$NativeInLightFixer nativeHost

java/awt/Component$NativeInLightFixer this$0
java/awt/Component$NativeInLightFixer <init>(Ljava/awt/Component;)V
java/awt/Component$NativeInLightFixer install(Ljava/awt/Container;)V
java/awt/Component$NativeInLightFixer componentResized(Ljava/awt/event/ComponentEvent;)V
java/awt/Component$NativeInLightFixer componentMoved(Ljava/awt/event/ComponentEvent;)V
java/awt/Component$NativeInLightFixer componentShown(Ljava/awt/event/ComponentEvent;)V
java/awt/Component$NativeInLightFixer componentHidden(Ljava/awt/event/ComponentEvent;)V
java/awt/Component$NativeInLightFixer
componentAdded(Ljava/awt/event/ContainerEvent;)V
java/awt/Component$NativeInLightFixer componentRemoved(Ljava/awt/event/ContainerEvent;)V
java/awt/Component$NativeInLightFixer removeReferences()V
class java/awt/event/ContainerListener java/lang/Object
java/awt/event/ContainerListener componentAdded(Ljava/awt/event/ContainerEvent;)V
java/awt/event/ContainerListener componentRemoved(Ljava/awt/event/ContainerEvent;)V
class java/awt/event/InputMethodListener java/lang/Object
java/awt/event/InputMethodListener inputMethodTextChanged(Ljava/awt/event/InputMethodEvent;)V
java/awt/event/InputMethodListener caretPositionChanged(Ljava/awt/event/InputMethodEvent;)V
class java/awt/event/MouseWheelListener java/lang/Object
java/awt/event/MouseWheelListener mouseWheelMoved(Ljava/awt/event/MouseWheelEvent;)V
class java/awt/event/MouseMotionListener java/lang/Object
java/awt/event/MouseMotionListener mouseDragged(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseMotionListener mouseMoved(Ljava/awt/event/MouseEvent;)V
class
java/awt/event/MouseListener java/lang/Object
java/awt/event/MouseListener mouseClicked(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseListener mousePressed(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseListener mouseReleased(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseListener mouseEntered(Ljava/awt/event/MouseEvent;)V
java/awt/event/MouseListener mouseExited(Ljava/awt/event/MouseEvent;)V
class java/awt/event/KeyListener java/lang/Object
java/awt/event/KeyListener keyTyped(Ljava/awt/event/KeyEvent;)V
java/awt/event/KeyListener keyPressed(Ljava/awt/event/KeyEvent;)V
java/awt/event/KeyListener keyReleased(Ljava/awt/event/KeyEvent;)V
class java/awt/event/HierarchyBoundsListener java/lang/Object
java/awt/event/HierarchyBoundsListener ancestorMoved(Ljava/awt/event/HierarchyEvent;)V
java/awt/event/HierarchyBoundsListener ancestorResized(Ljava/awt/event/HierarchyEvent;)V
class java/awt/event/HierarchyListener java/lang/Object
java/awt/event/HierarchyListener
hierarchyChanged(Ljava/awt/event/HierarchyEvent;)V
class java/awt/event/FocusListener java/lang/Object
java/awt/event/FocusListener focusGained(Ljava/awt/event/FocusEvent;)V
java/awt/event/FocusListener focusLost(Ljava/awt/event/FocusEvent;)V
class java/awt/event/ComponentListener java/lang/Object
java/awt/event/ComponentListener componentResized(Ljava/awt/event/ComponentEvent;)V
java/awt/event/ComponentListener componentMoved(Ljava/awt/event/ComponentEvent;)V
java/awt/event/ComponentListener componentShown(Ljava/awt/event/ComponentEvent;)V
java/awt/event/ComponentListener componentHidden(Ljava/awt/event/ComponentEvent;)V
class java/awt/dnd/DropTarget java/lang/Object

java/awt/dnd/DropTarget serialVersionUID
java/awt/dnd/DropTarget dropTargetContext
java/awt/dnd/DropTarget component
java/awt/dnd/DropTarget componentPeer
java/awt/dnd/DropTarget nativePeer
java/awt/dnd/DropTarget actions
java/awt/dnd/DropTarget active
java/awt/dnd/DropTarget autoScroller
java/awt/dnd/DropTarget
dtListener
java/awt/dnd/DropTarget flavorMap
java/awt/dnd/DropTarget
<init>(Ljava/awt/Component;ILjava/awt/dnd/DropTargetListener;ZLjava/awt/datatransfer/FlavorMap;)V
java/awt/dnd/DropTarget <init>(Ljava/awt/Component;ILjava/awt/dnd/DropTargetListener;Z)V
java/awt/dnd/DropTarget <init>()V
java/awt/dnd/DropTarget <init>(Ljava/awt/Component;Ljava/awt/dnd/DropTargetListener;)V
java/awt/dnd/DropTarget <init>(Ljava/awt/Component;ILjava/awt/dnd/DropTargetListener;)V
java/awt/dnd/DropTarget setComponent(Ljava/awt/Component;)V
java/awt/dnd/DropTarget getComponent()Ljava/awt/Component;
java/awt/dnd/DropTarget setDefaultActions(I)V
java/awt/dnd/DropTarget doSetDefaultActions(I)V
java/awt/dnd/DropTarget getDefaultActions()I
java/awt/dnd/DropTarget setActive(Z)V
java/awt/dnd/DropTarget isActive()Z
java/awt/dnd/DropTarget addDropTargetListener(Ljava/awt/dnd/DropTargetListener;)V
java/awt/dnd/DropTarget removeDropTargetListener(Ljava/awt/dnd/DropTargetListener;)V
java/awt/dnd/DropTarget dragEnter(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTarget
dragOver(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTarget dropActionChanged(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTarget dragExit(Ljava/awt/dnd/DropTargetEvent;)V
java/awt/dnd/DropTarget drop(Ljava/awt/dnd/DropTargetDropEvent;)V
java/awt/dnd/DropTarget getFlavorMap()Ljava/awt/datatransfer/FlavorMap;
java/awt/dnd/DropTarget setFlavorMap(Ljava/awt/datatransfer/FlavorMap;)V
java/awt/dnd/DropTarget addNotify(Ljava/awt/peer/ComponentPeer;)V
java/awt/dnd/DropTarget removeNotify(Ljava/awt/peer/ComponentPeer;)V
java/awt/dnd/DropTarget getDropTargetContext()Ljava/awt/dnd/DropTargetContext;
java/awt/dnd/DropTarget createDropTargetContext()Ljava/awt/dnd/DropTargetContext;
java/awt/dnd/DropTarget writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/dnd/DropTarget readObject(Ljava/io/ObjectInputStream;)V
java/awt/dnd/DropTarget
createDropTargetAutoScroller(Ljava/awt/Component;Ljava/awt/Point;)Ljava/awt/dnd/DropTarget$DropTargetAuto
Scroller;
java/awt/dnd/DropTarget
initializeAutoscrolling(Ljava/awt/Point;)V
java/awt/dnd/DropTarget updateAutoscroll(Ljava/awt/Point;)V
java/awt/dnd/DropTarget clearAutoscroll()V
class java/awt/dnd/DropTargetListener java/lang/Object

java/awt/dnd/DropTargetListener dragEnter(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTargetListener dragOver(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTargetListener dropActionChanged(Ljava/awt/dnd/DropTargetDragEvent;)V
java/awt/dnd/DropTargetListener dragExit(Ljava/awt/dnd/DropTargetEvent;)V
java/awt/dnd/DropTargetListener drop(Ljava/awt/dnd/DropTargetDropEvent;)V
class java/awt/image/BufferStrategy java/lang/Object
java/awt/image/BufferStrategy <init>()V
java/awt/image/BufferStrategy getCapabilities()Ljava/awt/BufferCapabilities;
java/awt/image/BufferStrategy getDrawGraphics()Ljava/awt/Graphics;
java/awt/image/BufferStrategy contentsLost()Z
java/awt/image/BufferStrategy contentsRestored()Z
java/awt/image/BufferStrategy
 show()V
class java/net/URLClassLoader$3$1 java/lang/Object
java/net/URLClassLoader$3$1 this$1
java/net/URLClassLoader$3$1 <init>(Ljava/net/URLClassLoader$3;)V
java/net/URLClassLoader$3$1 run()Ljava/lang/Object;
class java/net/URLClassLoader$3 java/lang/Object
java/net/URLClassLoader$3 url
java/net/URLClassLoader$3 val$e
java/net/URLClassLoader$3 this$0
java/net/URLClassLoader$3 <init>(Ljava/net/URLClassLoader;Ljava/util/Enumeration;)V
java/net/URLClassLoader$3 next()Z
java/net/URLClassLoader$3 nextElement()Ljava/net/URL;
java/net/URLClassLoader$3 hasMoreElements()Z
java/net/URLClassLoader$3 nextElement()Ljava/lang/Object;
class java/lang/ClassLoader$2 java/lang/Object
java/lang/ClassLoader$2 val$e
java/lang/ClassLoader$2 <init>(Ljava/util/Enumeration;)V
java/lang/ClassLoader$2 nextElement()Ljava/lang/Object;
java/lang/ClassLoader$2 hasMoreElements()Z
class java/util/TreeMap$1 java/util/AbstractSet
java/util/TreeMap$1 this$0
java/util/TreeMap$1 <init>(Ljava/util/TreeMap;)V
java/util/TreeMap$1
 iterator()Ljava/util/Iterator;
java/util/TreeMap$1 size()I
java/util/TreeMap$1 contains(Ljava/lang/Object;)Z
java/util/TreeMap$1 remove(Ljava/lang/Object;)Z
java/util/TreeMap$1 clear()V
class java/util/TreeMap java/util/AbstractMap
java/util/TreeMap comparator
java/util/TreeMap root
java/util/TreeMap size
java/util/TreeMap modCount
java/util/TreeMap entrySet
java/util/TreeMap RED
java/util/TreeMap BLACK

java/util/TreeMap serialVersionUID
java/util/TreeMap incrementSize()V
java/util/TreeMap decrementSize()V
java/util/TreeMap <init>()V
java/util/TreeMap <init>(Ljava/util/Comparator;)V
java/util/TreeMap <init>(Ljava/util/Map;)V
java/util/TreeMap <init>(Ljava/util/SortedMap;)V
java/util/TreeMap size()I
java/util/TreeMap containsKey(Ljava/lang/Object;)Z
java/util/TreeMap containsValue(Ljava/lang/Object;)Z
java/util/TreeMap valueSearchNull(Ljava/util/TreeMap$Entry;)Z
java/util/TreeMap valueSearchNonNull(Ljava/util/TreeMap$Entry;Ljava/lang/Object;)Z
java/util/TreeMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/TreeMap
comparator()Ljava/util/Comparator;
java/util/TreeMap firstKey()Ljava/lang/Object;
java/util/TreeMap lastKey()Ljava/lang/Object;
java/util/TreeMap putAll(Ljava/util/Map;)V
java/util/TreeMap getEntry(Ljava/lang/Object;)Ljava/util/TreeMap$Entry;
java/util/TreeMap getCeilEntry(Ljava/lang/Object;)Ljava/util/TreeMap$Entry;
java/util/TreeMap getPrecedingEntry(Ljava/lang/Object;)Ljava/util/TreeMap$Entry;
java/util/TreeMap key(Ljava/util/TreeMap$Entry;)Ljava/lang/Object;
java/util/TreeMap put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/TreeMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/TreeMap clear()V
java/util/TreeMap clone()Ljava/lang/Object;
java/util/TreeMap keySet()Ljava/util/Set;
java/util/TreeMap values()Ljava/util/Collection;
java/util/TreeMap entrySet()Ljava/util/Set;
java/util/TreeMap subMap(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/TreeMap headMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/TreeMap
tailMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/TreeMap compare(Ljava/lang/Object;Ljava/lang/Object;)I
java/util/TreeMap valEquals(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/TreeMap firstEntry()Ljava/util/TreeMap$Entry;
java/util/TreeMap lastEntry()Ljava/util/TreeMap$Entry;
java/util/TreeMap successor(Ljava/util/TreeMap$Entry;)Ljava/util/TreeMap$Entry;
java/util/TreeMap colorOf(Ljava/util/TreeMap$Entry;)Z
java/util/TreeMap parentOf(Ljava/util/TreeMap$Entry;)Ljava/util/TreeMap$Entry;
java/util/TreeMap setColor(Ljava/util/TreeMap$Entry;Z)V
java/util/TreeMap leftOf(Ljava/util/TreeMap$Entry;)Ljava/util/TreeMap$Entry;
java/util/TreeMap rightOf(Ljava/util/TreeMap$Entry;)Ljava/util/TreeMap$Entry;
java/util/TreeMap rotateLeft(Ljava/util/TreeMap$Entry;)V
java/util/TreeMap rotateRight(Ljava/util/TreeMap$Entry;)V
java/util/TreeMap fixAfterInsertion(Ljava/util/TreeMap$Entry;)V
java/util/TreeMap deleteEntry(Ljava/util/TreeMap$Entry;)V
java/util/TreeMap

fixAfterDeletion(Ljava/util/TreeMap$Entry;)V
java/util/TreeMap writeObject(Ljava/io/ObjectOutputStream;)V
java/util/TreeMap readObject(Ljava/io/ObjectInputStream;)V
java/util/TreeMap readTreeSet(ILjava/io/ObjectInputStream;Ljava/lang/Object;)V
java/util/TreeMap addAllForTreeSet(Ljava/util/SortedSet;Ljava/lang/Object;)V
java/util/TreeMap buildFromSorted(ILjava/util/Iterator;Ljava/io/ObjectInputStream;Ljava/lang/Object;)V
java/util/TreeMap
buildFromSorted(IIIILjava/util/Iterator;Ljava/io/ObjectInputStream;Ljava/lang/Object;)Ljava/util/TreeMap$Entry;
java/util/TreeMap computeRedLevel(I)I
java/util/TreeMap access$100(Ljava/util/TreeMap;)I
java/util/TreeMap access$300(Ljava/util/TreeMap;)Ljava/util/TreeMap$Entry;
java/util/TreeMap access$400(Ljava/util/TreeMap;Ljava/util/TreeMap$Entry;)Ljava/util/TreeMap$Entry;
java/util/TreeMap access$500(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/TreeMap access$600(Ljava/util/TreeMap;Ljava/util/TreeMap$Entry;)V
java/util/TreeMap access$800(Ljava/util/TreeMap;Ljava/lang/Object;)Ljava/util/TreeMap$Entry;
java/util/TreeMap
access$900(Ljava/util/TreeMap;Ljava/lang/Object;Ljava/lang/Object;)I
java/util/TreeMap access$1000(Ljava/util/TreeMap;)Ljava/util/Comparator;
java/util/TreeMap access$1100(Ljava/util/TreeMap;Ljava/lang/Object;)Ljava/util/TreeMap$Entry;
java/util/TreeMap access$1200(Ljava/util/TreeMap$Entry;)Ljava/lang/Object;
java/util/TreeMap access$1300(Ljava/util/TreeMap;)Ljava/util/TreeMap$Entry;
java/util/TreeMap access$1400(Ljava/util/TreeMap;Ljava/lang/Object;)Ljava/util/TreeMap$Entry;
java/util/TreeMap access$1600(Ljava/util/TreeMap;)I
class java/util/SortedMap java/lang/Object
java/util/SortedMap comparator()Ljava/util/Comparator;
java/util/SortedMap subMap(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/SortedMap headMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/SortedMap tailMap(Ljava/lang/Object;)Ljava/util/SortedMap;
java/util/SortedMap firstKey()Ljava/lang/Object;
java/util/SortedMap
lastKey()Ljava/lang/Object;
class java/util/TreeSet java/util/AbstractSet
java/util/TreeSet m
java/util/TreeSet keySet
java/util/TreeSet PRESENT
java/util/TreeSet serialVersionUID
java/util/TreeSet <init>(Ljava/util/SortedMap;)V
java/util/TreeSet <init>()V
java/util/TreeSet <init>(Ljava/util/Comparator;)V
java/util/TreeSet <init>(Ljava/util/Collection;)V
java/util/TreeSet <init>(Ljava/util/SortedSet;)V
java/util/TreeSet iterator()Ljava/util/Iterator;
java/util/TreeSet size()I
java/util/TreeSet isEmpty()Z
java/util/TreeSet contains(Ljava/lang/Object;)Z
java/util/TreeSet add(Ljava/lang/Object;)Z
java/util/TreeSet remove(Ljava/lang/Object;)Z
java/util/TreeSet clear()V

java/util/TreeSet addAll(Ljava/util/Collection;)Z
java/util/TreeSet subSet(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/TreeSet headSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/TreeSet tailSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/TreeSet comparator()Ljava/util/Comparator;
java/util/TreeSet
first()Ljava/lang/Object;
java/util/TreeSet last()Ljava/lang/Object;
java/util/TreeSet clone()Ljava/lang/Object;
java/util/TreeSet writeObject(Ljava/io/ObjectOutputStream;)V
java/util/TreeSet readObject(Ljava/io/ObjectInputStream;)V
java/util/TreeSet <clinit>()V
class java/util/SortedSet java/lang/Object
java/util/SortedSet comparator()Ljava/util/Comparator;
java/util/SortedSet subSet(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/SortedSet headSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/SortedSet tailSet(Ljava/lang/Object;)Ljava/util/SortedSet;
java/util/SortedSet first()Ljava/lang/Object;
java/util/SortedSet last()Ljava/lang/Object;
class java/awt/im/spi/InputMethodDescriptor java/lang/Object
java/awt/im/spi/InputMethodDescriptor getAvailableLocales()[Ljava/util/Locale;
java/awt/im/spi/InputMethodDescriptor hasDynamicLocaleList()Z
java/awt/im/spi/InputMethodDescriptor
getInputMethodDisplayName(Ljava/util/Locale;Ljava/util/Locale;)Ljava/lang/String;
java/awt/im/spi/InputMethodDescriptor
getInputMethodIcon(Ljava/util/Locale;)Ljava/awt/Image;
java/awt/im/spi/InputMethodDescriptor createInputMethod()Ljava/awt/im/spi/InputMethod;
class java/awt/peer/FontPeer java/lang/Object
class java/awt/peer/FileDialogPeer java/lang/Object
java/awt/peer/FileDialogPeer setFile(Ljava/lang/String;)V
java/awt/peer/FileDialogPeer setDirectory(Ljava/lang/String;)V
java/awt/peer/FileDialogPeer setFilenameFilter(Ljava/io/FilenameFilter;)V
class java/awt/peer/DialogPeer java/lang/Object
java/awt/peer/DialogPeer setTitle(Ljava/lang/String;)V
java/awt/peer/DialogPeer setResizable(Z)V
class java/util/Arrays java/lang/Object
java/util/Arrays INSERTIONSORT_THRESHOLD
java/util/Arrays <init>()V
java/util/Arrays sort([J)V
java/util/Arrays sort([JII)V
java/util/Arrays sort([I)V
java/util/Arrays sort([III)V
java/util/Arrays sort([S)V
java/util/Arrays sort([SII)V
java/util/Arrays sort([C)V
java/util/Arrays sort([CII)V
java/util/Arrays sort([B)V
java/util/Arrays

sort([BII)V
java/util/Arrays sort([D)V
java/util/Arrays sort([DII)V
java/util/Arrays sort([F)V
java/util/Arrays sort([FII)V
java/util/Arrays sort2([DII)V
java/util/Arrays sort2([FII)V
java/util/Arrays sort1([JII)V
java/util/Arrays swap([JII)V
java/util/Arrays vecswap([JIII)V
java/util/Arrays med3([JIII)I
java/util/Arrays sort1([III)V
java/util/Arrays swap([III)V
java/util/Arrays vecswap([IIII)V
java/util/Arrays med3([IIII)I
java/util/Arrays sort1([SII)V
java/util/Arrays swap([SII)V
java/util/Arrays vecswap([SIII)V
java/util/Arrays med3([SIII)I
java/util/Arrays sort1([CII)V
java/util/Arrays swap([CII)V
java/util/Arrays vecswap([CIII)V
java/util/Arrays med3([CIII)I
java/util/Arrays sort1([BII)V
java/util/Arrays swap([BII)V
java/util/Arrays vecswap([BIII)V
java/util/Arrays med3([BIII)I
java/util/Arrays sort1([DII)V
java/util/Arrays swap([DII)V
java/util/Arrays vecswap([DIII)V
java/util/Arrays med3([DIII)I
java/util/Arrays sort1([FII)V
java/util/Arrays swap([FII)V
java/util/Arrays
vecswap([FIII)V
java/util/Arrays med3([FIII)I
java/util/Arrays sort([Ljava/lang/Object;)V
java/util/Arrays sort([Ljava/lang/Object;II)V
java/util/Arrays cloneSubarray([Ljava/lang/Object;II)[Ljava/lang/Object;
java/util/Arrays mergeSort([Ljava/lang/Object;[Ljava/lang/Object;III)V
java/util/Arrays swap([Ljava/lang/Object;II)V
java/util/Arrays sort([Ljava/lang/Object;Ljava/util/Comparator;)V
java/util/Arrays sort([Ljava/lang/Object;IILjava/util/Comparator;)V
java/util/Arrays mergeSort([Ljava/lang/Object;[Ljava/lang/Object;IIILjava/util/Comparator;)V
java/util/Arrays rangeCheck(III)V
java/util/Arrays binarySearch([JJ)I
java/util/Arrays binarySearch([II)I
java/util/Arrays binarySearch([SS)I

java/util/Arrays binarySearch([CC)I
java/util/Arrays binarySearch([BB)I
java/util/Arrays binarySearch([DD)I
java/util/Arrays binarySearch([DDII)I
java/util/Arrays binarySearch([FF)I
java/util/Arrays binarySearch([FFII)I
java/util/Arrays binarySearch([Ljava/lang/Object;Ljava/lang/Object;)I
java/util/Arrays
binarySearch([Ljava/lang/Object;Ljava/lang/Object;Ljava/util/Comparator;)I
java/util/Arrays equals([J[J)Z
java/util/Arrays equals([I[I)Z
java/util/Arrays equals([S[S)Z
java/util/Arrays equals([C[C)Z
java/util/Arrays equals([B[B)Z
java/util/Arrays equals([Z[Z)Z
java/util/Arrays equals([D[D)Z
java/util/Arrays equals([F[F)Z
java/util/Arrays equals([Ljava/lang/Object;[Ljava/lang/Object;)Z
java/util/Arrays fill([JJ)V
java/util/Arrays fill([JIIJ)V
java/util/Arrays fill([II)V
java/util/Arrays fill([IIII)V
java/util/Arrays fill([SS)V
java/util/Arrays fill([SIIS)V
java/util/Arrays fill([CC)V
java/util/Arrays fill([CIIC)V
java/util/Arrays fill([BB)V
java/util/Arrays fill([BIIB)V
java/util/Arrays fill([ZZ)V
java/util/Arrays fill([ZIIZ)V
java/util/Arrays fill([DD)V
java/util/Arrays fill([DIID)V
java/util/Arrays fill([FF)V
java/util/Arrays fill([FIIF)V
java/util/Arrays fill([Ljava/lang/Object;Ljava/lang/Object;)V
java/util/Arrays fill([Ljava/lang/Object;IILjava/lang/Object;)V
java/util/Arrays
asList([Ljava/lang/Object;)Ljava/util/List;
java/util/Arrays hashCode([J)I
java/util/Arrays hashCode([I)I
java/util/Arrays hashCode([S)I
java/util/Arrays hashCode([C)I
java/util/Arrays hashCode([B)I
java/util/Arrays hashCode([Z)I
java/util/Arrays hashCode([F)I
java/util/Arrays hashCode([D)I
java/util/Arrays hashCode([Ljava/lang/Object;)I
java/util/Arrays deepHashCode([Ljava/lang/Object;)I

java/util/Arrays deepEquals([Ljava/lang/Object;[Ljava/lang/Object;)Z
java/util/Arrays toString([J)Ljava/lang/String;
java/util/Arrays toString([I)Ljava/lang/String;
java/util/Arrays toString([S)Ljava/lang/String;
java/util/Arrays toString([C)Ljava/lang/String;
java/util/Arrays toString([B)Ljava/lang/String;
java/util/Arrays toString([Z)Ljava/lang/String;
java/util/Arrays toString([F)Ljava/lang/String;
java/util/Arrays toString([D)Ljava/lang/String;
java/util/Arrays toString([Ljava/lang/Object;)Ljava/lang/String;
java/util/Arrays deepToString([Ljava/lang/Object;)Ljava/lang/String;
java/util/Arrays deepToString([Ljava/lang/Object;Ljava/lang/StringBuilder;Ljava/util/Set;)V
class
 java/awt/event/ActionEvent java/awt/AWTEvent
java/awt/event/ActionEvent SHIFT_MASK
java/awt/event/ActionEvent CTRL_MASK
java/awt/event/ActionEvent META_MASK
java/awt/event/ActionEvent ALT_MASK
java/awt/event/ActionEvent ACTION_FIRST
java/awt/event/ActionEvent ACTION_LAST
java/awt/event/ActionEvent ACTION_PERFORMED
java/awt/event/ActionEvent actionCommand
java/awt/event/ActionEvent when
java/awt/event/ActionEvent modifiers
java/awt/event/ActionEvent serialVersionUID
java/awt/event/ActionEvent <init>(Ljava/lang/Object;ILjava/lang/String;)V
java/awt/event/ActionEvent <init>(Ljava/lang/Object;ILjava/lang/String;I)V
java/awt/event/ActionEvent <init>(Ljava/lang/Object;ILjava/lang/String;JI)V
java/awt/event/ActionEvent getActionCommand()Ljava/lang/String;
java/awt/event/ActionEvent getWhen()J
java/awt/event/ActionEvent getModifiers()I
java/awt/event/ActionEvent paramString()Ljava/lang/String;
class java/awt/event/InputMethodEvent
 java/awt/AWTEvent
java/awt/event/InputMethodEvent serialVersionUID
java/awt/event/InputMethodEvent INPUT_METHOD_FIRST
java/awt/event/InputMethodEvent INPUT_METHOD_TEXT_CHANGED
java/awt/event/InputMethodEvent CARET_POSITION_CHANGED
java/awt/event/InputMethodEvent INPUT_METHOD_LAST
java/awt/event/InputMethodEvent when
java/awt/event/InputMethodEvent text
java/awt/event/InputMethodEvent committedCharacterCount
java/awt/event/InputMethodEvent caret
java/awt/event/InputMethodEvent visiblePosition
java/awt/event/InputMethodEvent
<init>(Ljava/awt/Component;IJLjava/text/AttributedCharacterIterator;ILjava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;)V
java/awt/event/InputMethodEvent

<init>(Ljava/awt/Component;ILjava/text/AttributedCharacterIterator;ILjava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;)V
java/awt/event/InputMethodEvent
<init>(Ljava/awt/Component;ILjava/awt/font/TextHitInfo;Ljava/awt/font/TextHitInfo;)V
java/awt/event/InputMethodEvent getText()Ljava/text/AttributedCharacterIterator;
java/awt/event/InputMethodEvent
getCommittedCharacterCount()I
java/awt/event/InputMethodEvent getCaret()Ljava/awt/font/TextHitInfo;
java/awt/event/InputMethodEvent getVisiblePosition()Ljava/awt/font/TextHitInfo;
java/awt/event/InputMethodEvent consume()V
java/awt/event/InputMethodEvent isConsumed()Z
java/awt/event/InputMethodEvent getWhen()J
java/awt/event/InputMethodEvent paramString()Ljava/lang/String;
java/awt/event/InputMethodEvent readObject(Ljava/io/ObjectInputStream;)V
class java/awt/dnd/peer/DragSourceContextPeer java/lang/Object
java/awt/dnd/peer/DragSourceContextPeer
startDrag(Ljava/awt/dnd/DragSourceContext;Ljava/awt/Cursor;Ljava/awt/Image;Ljava/awt/Point;)V
java/awt/dnd/peer/DragSourceContextPeer getCursor()Ljava/awt/Cursor;
java/awt/dnd/peer/DragSourceContextPeer setCursor(Ljava/awt/Cursor;)V
java/awt/dnd/peer/DragSourceContextPeer transferablesFlavorsChanged()V
class java/awt/EventDispatchThread$1 java/lang/Object
java/awt/EventDispatchThread$1 this$0
java/awt/EventDispatchThread$1
<init>(Ljava/awt/EventDispatchThread;)V
java/awt/EventDispatchThread$1 evaluate()Z
class java/awt/Conditional java/lang/Object
java/awt/Conditional evaluate()Z
class java/awt/EventQueueItem java/lang/Object
java/awt/EventQueueItem event
java/awt/EventQueueItem id
java/awt/EventQueueItem next
java/awt/EventQueueItem <init>(Ljava/awt/AWTEvent;)V
class java/awt/EventDispatchThread java/lang/Thread
java/awt/EventDispatchThread dbg
java/awt/EventDispatchThread theQueue
java/awt/EventDispatchThread doDispatch
java/awt/EventDispatchThread ANY_EVENT
java/awt/EventDispatchThread handlerPropName
java/awt/EventDispatchThread handlerClassName
java/awt/EventDispatchThread NO_HANDLER
java/awt/EventDispatchThread <init>(Ljava/lang/ThreadGroup;Ljava/lang/String;Ljava/awt/EventQueue;)V
java/awt/EventDispatchThread stopDispatchingImpl(Z)V
java/awt/EventDispatchThread stopDispatching()V
java/awt/EventDispatchThread stopDispatchingLater()V
java/awt/EventDispatchThread
run()V
java/awt/EventDispatchThread pumpEvents(Ljava/awt/Conditional;)V
java/awt/EventDispatchThread pumpEventsForHierarchy(Ljava/awt/Conditional;Ljava/awt/Component;)V

java/awt/EventDispatchThread pumpEvents(ILjava/awt/Conditional;)V
java/awt/EventDispatchThread pumpEventsForHierarchy(ILjava/awt/Conditional;Ljava/awt/Component;)V
java/awt/EventDispatchThread
checkMouseEventForModalJInternalFrame(Ljava/awt/event/MouseEvent;Ljava/awt/Component;)Z
java/awt/EventDispatchThread pumpOneEventForHierarchy(ILjava/awt/Component;)Z
java/awt/EventDispatchThread processException(Ljava/lang/Throwable;Z)V
java/awt/EventDispatchThread handleException(Ljava/lang/Throwable;)Z
java/awt/EventDispatchThread isDispatching(Ljava/awt/EventQueue;)Z
java/awt/EventDispatchThread getEventQueue()Ljava/awt/EventQueue;
java/awt/EventDispatchThread access$002(Ljava/awt/EventDispatchThread;Z)Z
java/awt/EventDispatchThread <clinit>()V
class java/awt/EventQueue$1 java/lang/Object
java/awt/EventQueue$1 this$0
java/awt/EventQueue$1
 <init>(Ljava/awt/EventQueue;)V
java/awt/EventQueue$1 run()Ljava/lang/Object;
class java/awt/event/InvocationEvent java/awt/AWTEvent
java/awt/event/InvocationEvent INVOCATION_FIRST
java/awt/event/InvocationEvent INVOCATION_DEFAULT
java/awt/event/InvocationEvent INVOCATION_LAST
java/awt/event/InvocationEvent runnable
java/awt/event/InvocationEvent notifier
java/awt/event/InvocationEvent catchExceptions
java/awt/event/InvocationEvent exception
java/awt/event/InvocationEvent throwable
java/awt/event/InvocationEvent when
java/awt/event/InvocationEvent serialVersionUID
java/awt/event/InvocationEvent <init>(Ljava/lang/Object;Ljava/lang/Runnable;)V
java/awt/event/InvocationEvent <init>(Ljava/lang/Object;Ljava/lang/Runnable;Ljava/lang/Object;Z)V
java/awt/event/InvocationEvent <init>(Ljava/lang/Object;ILjava/lang/Runnable;Ljava/lang/Object;Z)V
java/awt/event/InvocationEvent dispatch()V
java/awt/event/InvocationEvent getException()Ljava/lang/Exception;
java/awt/event/InvocationEvent getThrowable()Ljava/lang/Throwable;
java/awt/event/InvocationEvent
 getWhen()J
java/awt/event/InvocationEvent paramString()Ljava/lang/String;
class java/awt/ActiveEvent java/lang/Object
java/awt/ActiveEvent dispatch()V
class java/beans/PropertyChangeListener java/lang/Object
java/beans/PropertyChangeListener propertyChange(Ljava/beans/PropertyChangeEvent;)V
class java/awt/peer/CanvasPeer java/lang/Object
class java/awt/peer/PanelPeer java/lang/Object
class java/awt/peer/FramePeer java/lang/Object
java/awt/peer/FramePeer setTitle(Ljava/lang/String;)V
java/awt/peer/FramePeer setIconImage(Ljava/awt/Image;)V
java/awt/peer/FramePeer setMenuBar(Ljava/awt/MenuBar;)V
java/awt/peer/FramePeer setResizable(Z)V
java/awt/peer/FramePeer setState(I)V

java/awt/peer/FramePeer getState()I
java/awt/peer/FramePeer setMaximizedBounds(Ljava/awt/Rectangle;)V
java/awt/peer/FramePeer setBoundsPrivate(IIII)V
class java/awt/peer/WindowPeer java/lang/Object
java/awt/peer/WindowPeer toFront()V
java/awt/peer/WindowPeer
 toBack()V
java/awt/peer/WindowPeer updateAlwaysOnTop()V
java/awt/peer/WindowPeer updateFocusableWindowState()V
java/awt/peer/WindowPeer requestWindowFocus()Z
class java/awt/peer/ContainerPeer java/lang/Object
java/awt/peer/ContainerPeer getInsets()Ljava/awt/Insets;
java/awt/peer/ContainerPeer beginValidate()V
java/awt/peer/ContainerPeer endValidate()V
java/awt/peer/ContainerPeer beginLayout()V
java/awt/peer/ContainerPeer endLayout()V
java/awt/peer/ContainerPeer isPaintPending()Z
java/awt/peer/ContainerPeer cancelPendingPaint(IIII)V
java/awt/peer/ContainerPeer restack()V
java/awt/peer/ContainerPeer isRestackSupported()Z
java/awt/peer/ContainerPeer insets()Ljava/awt/Insets;
class java/awt/peer/KeyboardFocusManagerPeer java/lang/Object
java/awt/peer/KeyboardFocusManagerPeer setCurrentFocusedWindow(Ljava/awt/Window;)V
java/awt/peer/KeyboardFocusManagerPeer getCurrentFocusedWindow()Ljava/awt/Window;
java/awt/peer/KeyboardFocusManagerPeer setCurrentFocusOwner(Ljava/awt/Component;)V
java/awt/peer/KeyboardFocusManagerPeer
 getCurrentFocusOwner()Ljava/awt/Component;
java/awt/peer/KeyboardFocusManagerPeer clearGlobalFocusOwner(Ljava/awt/Window;)V
class java/util/Collections$UnmodifiableSet java/util/Collections$UnmodifiableCollection
java/util/Collections$UnmodifiableSet serialVersionUID
java/util/Collections$UnmodifiableSet <init>(Ljava/util/Set;)V
java/util/Collections$UnmodifiableSet equals(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableSet hashCode()I
class java/util/Collections$UnmodifiableCollection java/lang/Object
java/util/Collections$UnmodifiableCollection serialVersionUID
java/util/Collections$UnmodifiableCollection c
java/util/Collections$UnmodifiableCollection <init>(Ljava/util/Collection;)V
java/util/Collections$UnmodifiableCollection size()I
java/util/Collections$UnmodifiableCollection isEmpty()Z
java/util/Collections$UnmodifiableCollection contains(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableCollection toArray()[Ljava/lang/Object;
java/util/Collections$UnmodifiableCollection
 toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/Collections$UnmodifiableCollection toString()Ljava/lang/String;
java/util/Collections$UnmodifiableCollection iterator()Ljava/util/Iterator;
java/util/Collections$UnmodifiableCollection add(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableCollection remove(Ljava/lang/Object;)Z
java/util/Collections$UnmodifiableCollection containsAll(Ljava/util/Collection;)Z

java/util/Collections$UnmodifiableCollection addAll(Ljava/util/Collection;)Z
java/util/Collections$UnmodifiableCollection removeAll(Ljava/util/Collection;)Z
java/util/Collections$UnmodifiableCollection retainAll(Ljava/util/Collection;)Z
java/util/Collections$UnmodifiableCollection clear()V
class java/awt/MutableBoolean java/lang/Object
java/awt/MutableBoolean value
java/awt/MutableBoolean <init>()V
class java/awt/DefaultFocusTraversalPolicy java/awt/ContainerOrderFocusTraversalPolicy
java/awt/DefaultFocusTraversalPolicy <init>()V
java/awt/DefaultFocusTraversalPolicy
 accept(Ljava/awt/Component;)Z
class java/awt/ContainerOrderFocusTraversalPolicy java/awt/FocusTraversalPolicy
java/awt/ContainerOrderFocusTraversalPolicy found
java/awt/ContainerOrderFocusTraversalPolicy log
java/awt/ContainerOrderFocusTraversalPolicy serialVersionUID
java/awt/ContainerOrderFocusTraversalPolicy implicitDownCycleTraversal
java/awt/ContainerOrderFocusTraversalPolicy <init>()V
java/awt/ContainerOrderFocusTraversalPolicy
getComponentAfter(Ljava/awt/Container;Ljava/awt/Component;)Ljava/awt/Component;
java/awt/ContainerOrderFocusTraversalPolicy
getComponentAfter(Ljava/awt/Container;Ljava/awt/Component;Ljava/awt/MutableBoolean;)Ljava/awt/Component
;
java/awt/ContainerOrderFocusTraversalPolicy
getComponentBefore(Ljava/awt/Container;Ljava/awt/Component;)Ljava/awt/Component;
java/awt/ContainerOrderFocusTraversalPolicy
getComponentBefore(Ljava/awt/Container;Ljava/awt/Component;Ljava/awt/MutableBoolean;)Ljava/awt/Compone
nt;
java/awt/ContainerOrderFocusTraversalPolicy
 getFirstComponent(Ljava/awt/Container;)Ljava/awt/Component;
java/awt/ContainerOrderFocusTraversalPolicy getLastComponent(Ljava/awt/Container;)Ljava/awt/Component;
java/awt/ContainerOrderFocusTraversalPolicy getDefaultComponent(Ljava/awt/Container;)Ljava/awt/Component;
java/awt/ContainerOrderFocusTraversalPolicy setImplicitDownCycleTraversal(Z)V
java/awt/ContainerOrderFocusTraversalPolicy getImplicitDownCycleTraversal()Z
java/awt/ContainerOrderFocusTraversalPolicy accept(Ljava/awt/Component;)Z
java/awt/ContainerOrderFocusTraversalPolicy <clinit>()V
class java/awt/FocusTraversalPolicy java/lang/Object
java/awt/FocusTraversalPolicy <init>()V
java/awt/FocusTraversalPolicy
getComponentAfter(Ljava/awt/Container;Ljava/awt/Component;)Ljava/awt/Component;
java/awt/FocusTraversalPolicy
getComponentBefore(Ljava/awt/Container;Ljava/awt/Component;)Ljava/awt/Component;
java/awt/FocusTraversalPolicy getFirstComponent(Ljava/awt/Container;)Ljava/awt/Component;
java/awt/FocusTraversalPolicy
 getLastComponent(Ljava/awt/Container;)Ljava/awt/Component;
java/awt/FocusTraversalPolicy getDefaultComponent(Ljava/awt/Container;)Ljava/awt/Component;
java/awt/FocusTraversalPolicy getInitialComponent(Ljava/awt/Window;)Ljava/awt/Component;
class java/awt/DefaultKeyboardFocusManager java/awt/KeyboardFocusManager
java/awt/DefaultKeyboardFocusManager focusLog

java/awt/DefaultKeyboardFocusManager realOppositeWindow
java/awt/DefaultKeyboardFocusManager realOppositeComponent
java/awt/DefaultKeyboardFocusManager inSendMessage
java/awt/DefaultKeyboardFocusManager enqueuedKeyEvents
java/awt/DefaultKeyboardFocusManager typeAheadMarkers
java/awt/DefaultKeyboardFocusManager consumeNextKeyTyped
java/awt/DefaultKeyboardFocusManager <init>()V
java/awt/DefaultKeyboardFocusManager getOwningFrameDialog(Ljava/awt/Window;)Ljava/awt/Window;
java/awt/DefaultKeyboardFocusManager restoreFocus(Ljava/awt/event/FocusEvent;Ljava/awt/Window;)V
java/awt/DefaultKeyboardFocusManager restoreFocus(Ljava/awt/event/WindowEvent;)V
java/awt/DefaultKeyboardFocusManager
restoreFocus(Ljava/awt/Window;Ljava/awt/Component;Z)Z
java/awt/DefaultKeyboardFocusManager restoreFocus(Ljava/awt/Component;Z)Z
java/awt/DefaultKeyboardFocusManager sendMessage(Ljava/awt/Component;Ljava/awt/AWTEvent;)Z
java/awt/DefaultKeyboardFocusManager dispatchEvent(Ljava/awt/AWTEvent;)Z
java/awt/DefaultKeyboardFocusManager dispatchKeyEvent(Ljava/awt/event/KeyEvent;)Z
java/awt/DefaultKeyboardFocusManager postProcessKeyEvent(Ljava/awt/event/KeyEvent;)Z
java/awt/DefaultKeyboardFocusManager pumpApprovedKeyEvents()V
java/awt/DefaultKeyboardFocusManager dumpMarkers()V
java/awt/DefaultKeyboardFocusManager typeAheadAssertions(Ljava/awt/Component;Ljava/awt/AWTEvent;)Z
java/awt/DefaultKeyboardFocusManager hasMarker(Ljava/awt/Component;)Z
java/awt/DefaultKeyboardFocusManager clearMarkers()V
java/awt/DefaultKeyboardFocusManager preDispatchKeyEvent(Ljava/awt/event/KeyEvent;)Z
java/awt/DefaultKeyboardFocusManager consumeTraversalKey(Ljava/awt/event/KeyEvent;)V
java/awt/DefaultKeyboardFocusManager
consumeProcessedKeyEvent(Ljava/awt/event/KeyEvent;)Z
java/awt/DefaultKeyboardFocusManager processKeyEvent(Ljava/awt/Component;Ljava/awt/event/KeyEvent;)V
java/awt/DefaultKeyboardFocusManager enqueueKeyEvents(JLjava/awt/Component;)V
java/awt/DefaultKeyboardFocusManager dequeueKeyEvents(JLjava/awt/Component;)V
java/awt/DefaultKeyboardFocusManager discardKeyEvents(Ljava/awt/Component;)V
java/awt/DefaultKeyboardFocusManager purgeStampedEvents(JJ)V
java/awt/DefaultKeyboardFocusManager focusPreviousComponent(Ljava/awt/Component;)V
java/awt/DefaultKeyboardFocusManager focusNextComponent(Ljava/awt/Component;)V
java/awt/DefaultKeyboardFocusManager upFocusCycle(Ljava/awt/Component;)V
java/awt/DefaultKeyboardFocusManager downFocusCycle(Ljava/awt/Container;)V
java/awt/DefaultKeyboardFocusManager access$008(Ljava/awt/DefaultKeyboardFocusManager;)I
java/awt/DefaultKeyboardFocusManager access$010(Ljava/awt/DefaultKeyboardFocusManager;)I
java/awt/DefaultKeyboardFocusManager
<clinit>()V
class java/util/LinkedList$Entry java/lang/Object
java/util/LinkedList$Entry element
java/util/LinkedList$Entry next
java/util/LinkedList$Entry previous
java/util/LinkedList$Entry <init>(Ljava/lang/Object;Ljava/util/LinkedList$Entry;Ljava/util/LinkedList$Entry;)V
class java/util/LinkedList java/util/AbstractSequentialList
java/util/LinkedList header
java/util/LinkedList size
java/util/LinkedList serialVersionUID

java/util/LinkedList <init>()V
java/util/LinkedList <init>(Ljava/util/Collection;)V
java/util/LinkedList getFirst()Ljava/lang/Object;
java/util/LinkedList getLast()Ljava/lang/Object;
java/util/LinkedList removeFirst()Ljava/lang/Object;
java/util/LinkedList removeLast()Ljava/lang/Object;
java/util/LinkedList addFirst(Ljava/lang/Object;)V
java/util/LinkedList addLast(Ljava/lang/Object;)V
java/util/LinkedList contains(Ljava/lang/Object;)Z
java/util/LinkedList size()I
java/util/LinkedList add(Ljava/lang/Object;)Z
java/util/LinkedList remove(Ljava/lang/Object;)Z
java/util/LinkedList
addAll(Ljava/util/Collection;)Z
java/util/LinkedList addAll(ILjava/util/Collection;)Z
java/util/LinkedList clear()V
java/util/LinkedList get(I)Ljava/lang/Object;
java/util/LinkedList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/LinkedList add(ILjava/lang/Object;)V
java/util/LinkedList remove(I)Ljava/lang/Object;
java/util/LinkedList entry(I)Ljava/util/LinkedList$Entry;
java/util/LinkedList indexOf(Ljava/lang/Object;)I
java/util/LinkedList lastIndexOf(Ljava/lang/Object;)I
java/util/LinkedList peek()Ljava/lang/Object;
java/util/LinkedList element()Ljava/lang/Object;
java/util/LinkedList poll()Ljava/lang/Object;
java/util/LinkedList remove()Ljava/lang/Object;
java/util/LinkedList offer(Ljava/lang/Object;)Z
java/util/LinkedList listIterator(I)Ljava/util/ListIterator;
java/util/LinkedList addBefore(Ljava/lang/Object;Ljava/util/LinkedList$Entry;)Ljava/util/LinkedList$Entry;
java/util/LinkedList remove(Ljava/util/LinkedList$Entry;)Ljava/lang/Object;
java/util/LinkedList
clone()Ljava/lang/Object;
java/util/LinkedList toArray()[Ljava/lang/Object;
java/util/LinkedList toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/LinkedList writeObject(Ljava/io/ObjectOutputStream;)V
java/util/LinkedList readObject(Ljava/io/ObjectInputStream;)V
java/util/LinkedList access$000(Ljava/util/LinkedList;)Ljava/util/LinkedList$Entry;
java/util/LinkedList access$100(Ljava/util/LinkedList;)I
java/util/LinkedList access$200(Ljava/util/LinkedList;Ljava/util/LinkedList$Entry;)Ljava/lang/Object;
java/util/LinkedList
access$300(Ljava/util/LinkedList;Ljava/lang/Object;Ljava/util/LinkedList$Entry;)Ljava/util/LinkedList$Entry;
class java/util/AbstractSequentialList java/util/AbstractList
java/util/AbstractSequentialList <init>()V
java/util/AbstractSequentialList get(I)Ljava/lang/Object;
java/util/AbstractSequentialList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/AbstractSequentialList add(ILjava/lang/Object;)V
java/util/AbstractSequentialList

remove(I)Ljava/lang/Object;
java/util/AbstractSequentialList addAll(ILjava/util/Collection;)Z
java/util/AbstractSequentialList iterator()Ljava/util/Iterator;
java/util/AbstractSequentialList listIterator(I)Ljava/util/ListIterator;
class java/util/Queue java/lang/Object
java/util/Queue offer(Ljava/lang/Object;)Z
java/util/Queue poll()Ljava/lang/Object;
java/util/Queue remove()Ljava/lang/Object;
java/util/Queue peek()Ljava/lang/Object;
java/util/Queue element()Ljava/lang/Object;
class java/awt/AWTKeyStroke$1 java/lang/Object
java/awt/AWTKeyStroke$1 val$clazz
java/awt/AWTKeyStroke$1 <init>(Ljava/lang/Class;)V
java/awt/AWTKeyStroke$1 run()Ljava/lang/Object;
class java/awt/AWTKeyStroke java/lang/Object
java/awt/AWTKeyStroke serialVersionUID
java/awt/AWTKeyStroke cache
java/awt/AWTKeyStroke cacheKey
java/awt/AWTKeyStroke ctor
java/awt/AWTKeyStroke modifierKeywords
java/awt/AWTKeyStroke vks
java/awt/AWTKeyStroke keyChar
java/awt/AWTKeyStroke keyCode
java/awt/AWTKeyStroke modifiers
java/awt/AWTKeyStroke
onKeyRelease
java/awt/AWTKeyStroke $assertionsDisabled
java/awt/AWTKeyStroke <init>()V
java/awt/AWTKeyStroke <init>(CIIZ)V
java/awt/AWTKeyStroke registerSubclass(Ljava/lang/Class;)V
java/awt/AWTKeyStroke getCtor(Ljava/lang/Class;)Ljava/lang/reflect/Constructor;
java/awt/AWTKeyStroke getCachedStroke(CIIZ)Ljava/awt/AWTKeyStroke;
java/awt/AWTKeyStroke getAWTKeyStroke(C)Ljava/awt/AWTKeyStroke;
java/awt/AWTKeyStroke getAWTKeyStroke(Ljava/lang/Character;I)Ljava/awt/AWTKeyStroke;
java/awt/AWTKeyStroke getAWTKeyStroke(IIZ)Ljava/awt/AWTKeyStroke;
java/awt/AWTKeyStroke getAWTKeyStroke(II)Ljava/awt/AWTKeyStroke;
java/awt/AWTKeyStroke getAWTKeyStrokeForEvent(Ljava/awt/event/KeyEvent;)Ljava/awt/AWTKeyStroke;
java/awt/AWTKeyStroke getAWTKeyStroke(Ljava/lang/String;)Ljava/awt/AWTKeyStroke;
java/awt/AWTKeyStroke getVKCollection()Ljava/awt/VKCollection;
java/awt/AWTKeyStroke getVKValue(Ljava/lang/String;)I
java/awt/AWTKeyStroke getKeyChar()C
java/awt/AWTKeyStroke getKeyCode()I
java/awt/AWTKeyStroke
getModifiers()I
java/awt/AWTKeyStroke isOnKeyRelease()Z
java/awt/AWTKeyStroke getKeyEventType()I
java/awt/AWTKeyStroke hashCode()I
java/awt/AWTKeyStroke equals(Ljava/lang/Object;)Z

java/awt/AWTKeyStroke toString()Ljava/lang/String;
java/awt/AWTKeyStroke getModifiersText(I)Ljava/lang/String;
java/awt/AWTKeyStroke getVKText(I)Ljava/lang/String;
java/awt/AWTKeyStroke readResolve()Ljava/lang/Object;
java/awt/AWTKeyStroke mapOldModifiers(I)I
java/awt/AWTKeyStroke mapNewModifiers(I)I
java/awt/AWTKeyStroke <clinit>()V
class java/awt/event/NativeLibLoader java/lang/Object
java/awt/event/NativeLibLoader <init>()V
java/awt/event/NativeLibLoader loadLibraries()V
class java/awt/event/KeyEvent java/awt/event/InputEvent
java/awt/event/KeyEvent isProxyActive
java/awt/event/KeyEvent KEY_FIRST
java/awt/event/KeyEvent KEY_LAST
java/awt/event/KeyEvent KEY_TYPED
java/awt/event/KeyEvent KEY_PRESSED
java/awt/event/KeyEvent KEY_RELEASED
java/awt/event/KeyEvent VK_ENTER
java/awt/event/KeyEvent VK_BACK_SPACE
java/awt/event/KeyEvent
VK_TAB
java/awt/event/KeyEvent VK_CANCEL
java/awt/event/KeyEvent VK_CLEAR
java/awt/event/KeyEvent VK_SHIFT
java/awt/event/KeyEvent VK_CONTROL
java/awt/event/KeyEvent VK_ALT
java/awt/event/KeyEvent VK_PAUSE
java/awt/event/KeyEvent VK_CAPS_LOCK
java/awt/event/KeyEvent VK_ESCAPE
java/awt/event/KeyEvent VK_SPACE
java/awt/event/KeyEvent VK_PAGE_UP
java/awt/event/KeyEvent VK_PAGE_DOWN
java/awt/event/KeyEvent VK_END
java/awt/event/KeyEvent VK_HOME
java/awt/event/KeyEvent VK_LEFT
java/awt/event/KeyEvent VK_UP
java/awt/event/KeyEvent VK_RIGHT
java/awt/event/KeyEvent VK_DOWN
java/awt/event/KeyEvent VK_COMMA
java/awt/event/KeyEvent VK_MINUS
java/awt/event/KeyEvent VK_PERIOD
java/awt/event/KeyEvent VK_SLASH
java/awt/event/KeyEvent VK_0
java/awt/event/KeyEvent VK_1
java/awt/event/KeyEvent VK_2
java/awt/event/KeyEvent VK_3
java/awt/event/KeyEvent VK_4
java/awt/event/KeyEvent VK_5

java/awt/event/KeyEvent VK_6
java/awt/event/KeyEvent VK_7
java/awt/event/KeyEvent VK_8
java/awt/event/KeyEvent
VK_9
java/awt/event/KeyEvent VK_SEMICOLON
java/awt/event/KeyEvent VK_EQUALS
java/awt/event/KeyEvent VK_A
java/awt/event/KeyEvent VK_B
java/awt/event/KeyEvent VK_C
java/awt/event/KeyEvent VK_D
java/awt/event/KeyEvent VK_E
java/awt/event/KeyEvent VK_F
java/awt/event/KeyEvent VK_G
java/awt/event/KeyEvent VK_H
java/awt/event/KeyEvent VK_I
java/awt/event/KeyEvent VK_J
java/awt/event/KeyEvent VK_K
java/awt/event/KeyEvent VK_L
java/awt/event/KeyEvent VK_M
java/awt/event/KeyEvent VK_N
java/awt/event/KeyEvent VK_O
java/awt/event/KeyEvent VK_P
java/awt/event/KeyEvent VK_Q
java/awt/event/KeyEvent VK_R
java/awt/event/KeyEvent VK_S
java/awt/event/KeyEvent VK_T
java/awt/event/KeyEvent VK_U
java/awt/event/KeyEvent VK_V
java/awt/event/KeyEvent VK_W
java/awt/event/KeyEvent VK_X
java/awt/event/KeyEvent VK_Y
java/awt/event/KeyEvent VK_Z
java/awt/event/KeyEvent VK_OPEN_BRACKET
java/awt/event/KeyEvent VK_BACK_SLASH
java/awt/event/KeyEvent VK_CLOSE_BRACKET
java/awt/event/KeyEvent VK_NUMPAD0
java/awt/event/KeyEvent
VK_NUMPAD1
java/awt/event/KeyEvent VK_NUMPAD2
java/awt/event/KeyEvent VK_NUMPAD3
java/awt/event/KeyEvent VK_NUMPAD4
java/awt/event/KeyEvent VK_NUMPAD5
java/awt/event/KeyEvent VK_NUMPAD6
java/awt/event/KeyEvent VK_NUMPAD7
java/awt/event/KeyEvent VK_NUMPAD8
java/awt/event/KeyEvent VK_NUMPAD9
java/awt/event/KeyEvent VK_MULTIPLY

java/awt/event/KeyEvent VK_ADD
java/awt/event/KeyEvent VK_SEPARATER
java/awt/event/KeyEvent VK_SEPARATOR
java/awt/event/KeyEvent VK_SUBTRACT
java/awt/event/KeyEvent VK_DECIMAL
java/awt/event/KeyEvent VK_DIVIDE
java/awt/event/KeyEvent VK_DELETE
java/awt/event/KeyEvent VK_NUM_LOCK
java/awt/event/KeyEvent VK_SCROLL_LOCK
java/awt/event/KeyEvent VK_F1
java/awt/event/KeyEvent VK_F2
java/awt/event/KeyEvent VK_F3
java/awt/event/KeyEvent VK_F4
java/awt/event/KeyEvent VK_F5
java/awt/event/KeyEvent VK_F6
java/awt/event/KeyEvent VK_F7
java/awt/event/KeyEvent VK_F8
java/awt/event/KeyEvent VK_F9
java/awt/event/KeyEvent VK_F10
java/awt/event/KeyEvent
VK_F11
java/awt/event/KeyEvent VK_F12
java/awt/event/KeyEvent VK_F13
java/awt/event/KeyEvent VK_F14
java/awt/event/KeyEvent VK_F15
java/awt/event/KeyEvent VK_F16
java/awt/event/KeyEvent VK_F17
java/awt/event/KeyEvent VK_F18
java/awt/event/KeyEvent VK_F19
java/awt/event/KeyEvent VK_F20
java/awt/event/KeyEvent VK_F21
java/awt/event/KeyEvent VK_F22
java/awt/event/KeyEvent VK_F23
java/awt/event/KeyEvent VK_F24
java/awt/event/KeyEvent VK_PRINTSCREEN
java/awt/event/KeyEvent VK_INSERT
java/awt/event/KeyEvent VK_HELP
java/awt/event/KeyEvent VK_META
java/awt/event/KeyEvent VK_BACK_QUOTE
java/awt/event/KeyEvent VK_QUOTE
java/awt/event/KeyEvent VK_KP_UP
java/awt/event/KeyEvent VK_KP_DOWN
java/awt/event/KeyEvent VK_KP_LEFT
java/awt/event/KeyEvent VK_KP_RIGHT
java/awt/event/KeyEvent VK_DEAD_GRAVE
java/awt/event/KeyEvent VK_DEAD_ACUTE
java/awt/event/KeyEvent VK_DEAD_CIRCUMFLEX
java/awt/event/KeyEvent VK_DEAD_TILDE

java/awt/event/KeyEvent VK_DEAD_MACRON
java/awt/event/KeyEvent VK_DEAD_BREVE
java/awt/event/KeyEvent
VK_DEAD_ABOVEDOT
java/awt/event/KeyEvent VK_DEAD_DIAERESIS
java/awt/event/KeyEvent VK_DEAD_ABOVERING
java/awt/event/KeyEvent VK_DEAD_DOUBLEACUTE
java/awt/event/KeyEvent VK_DEAD_CARON
java/awt/event/KeyEvent VK_DEAD_CEDILLA
java/awt/event/KeyEvent VK_DEAD_OGONEK
java/awt/event/KeyEvent VK_DEAD_IOTA
java/awt/event/KeyEvent VK_DEAD_VOICED_SOUND
java/awt/event/KeyEvent VK_DEAD_SEMIVOICED_SOUND
java/awt/event/KeyEvent VK_AMPERSAND
java/awt/event/KeyEvent VK_ASTERISK
java/awt/event/KeyEvent VK_QUOTEDBL
java/awt/event/KeyEvent VK_LESS
java/awt/event/KeyEvent VK_GREATER
java/awt/event/KeyEvent VK_BRACELEFT
java/awt/event/KeyEvent VK_BRACERIGHT
java/awt/event/KeyEvent VK_AT
java/awt/event/KeyEvent VK_COLON
java/awt/event/KeyEvent VK_CIRCUMFLEX
java/awt/event/KeyEvent VK_DOLLAR
java/awt/event/KeyEvent VK_EURO_SIGN
java/awt/event/KeyEvent VK_EXCLAMATION_MARK
java/awt/event/KeyEvent VK_INVERTED_EXCLAMATION_MARK
java/awt/event/KeyEvent VK_LEFT_PARENTHESIS
java/awt/event/KeyEvent VK_NUMBER_SIGN
java/awt/event/KeyEvent
VK_PLUS
java/awt/event/KeyEvent VK_RIGHT_PARENTHESIS
java/awt/event/KeyEvent VK_UNDERSCORE
java/awt/event/KeyEvent VK_WINDOWS
java/awt/event/KeyEvent VK_CONTEXT_MENU
java/awt/event/KeyEvent VK_FINAL
java/awt/event/KeyEvent VK_CONVERT
java/awt/event/KeyEvent VK_NONCONVERT
java/awt/event/KeyEvent VK_ACCEPT
java/awt/event/KeyEvent VK_MODECHANGE
java/awt/event/KeyEvent VK_KANA
java/awt/event/KeyEvent VK_KANJI
java/awt/event/KeyEvent VK_ALPHANUMERIC
java/awt/event/KeyEvent VK_KATAKANA
java/awt/event/KeyEvent VK_HIRAGANA
java/awt/event/KeyEvent VK_FULL_WIDTH
java/awt/event/KeyEvent VK_HALF_WIDTH
java/awt/event/KeyEvent VK_ROMAN_CHARACTERS

java/awt/event/KeyEvent VK_ALL_CANDIDATES
java/awt/event/KeyEvent VK_PREVIOUS_CANDIDATE
java/awt/event/KeyEvent VK_CODE_INPUT
java/awt/event/KeyEvent VK_JAPANESE_KATAKANA
java/awt/event/KeyEvent VK_JAPANESE_HIRAGANA
java/awt/event/KeyEvent VK_JAPANESE_ROMAN
java/awt/event/KeyEvent VK_KANA_LOCK
java/awt/event/KeyEvent VK_INPUT_METHOD_ON_OFF
java/awt/event/KeyEvent
VK_CUT
java/awt/event/KeyEvent VK_COPY
java/awt/event/KeyEvent VK_PASTE
java/awt/event/KeyEvent VK_UNDO
java/awt/event/KeyEvent VK_AGAIN
java/awt/event/KeyEvent VK_FIND
java/awt/event/KeyEvent VK_PROPS
java/awt/event/KeyEvent VK_STOP
java/awt/event/KeyEvent VK_COMPOSE
java/awt/event/KeyEvent VK_ALT_GRAPH
java/awt/event/KeyEvent VK_BEGIN
java/awt/event/KeyEvent VK_UNDEFINED
java/awt/event/KeyEvent CHAR_UNDEFINED
java/awt/event/KeyEvent KEY_LOCATION_UNKNOWN
java/awt/event/KeyEvent KEY_LOCATION_STANDARD
java/awt/event/KeyEvent KEY_LOCATION_LEFT
java/awt/event/KeyEvent KEY_LOCATION_RIGHT
java/awt/event/KeyEvent KEY_LOCATION_NUMPAD
java/awt/event/KeyEvent keyCode
java/awt/event/KeyEvent keyChar
java/awt/event/KeyEvent keyLocation
java/awt/event/KeyEvent serialVersionUID
java/awt/event/KeyEvent initIDs()V
java/awt/event/KeyEvent <init>(Ljava/awt/Component;IJIICIZ)V
java/awt/event/KeyEvent <init>(Ljava/awt/Component;IJIICI)V
java/awt/event/KeyEvent
<init>(Ljava/awt/Component;IJIIC)V
java/awt/event/KeyEvent <init>(Ljava/awt/Component;IJII)V
java/awt/event/KeyEvent getKeyCode()I
java/awt/event/KeyEvent setKeyCode(I)V
java/awt/event/KeyEvent getKeyChar()C
java/awt/event/KeyEvent setKeyChar(C)V
java/awt/event/KeyEvent setModifiers(I)V
java/awt/event/KeyEvent getKeyLocation()I
java/awt/event/KeyEvent getKeyText(I)Ljava/lang/String;
java/awt/event/KeyEvent getKeyModifiersText(I)Ljava/lang/String;
java/awt/event/KeyEvent isActionKey()Z
java/awt/event/KeyEvent paramString()Ljava/lang/String;
java/awt/event/KeyEvent setNewModifiers()V

java/awt/event/KeyEvent setOldModifiers()V
java/awt/event/KeyEvent readObject(Ljava/io/ObjectInputStream;)V
java/awt/event/KeyEvent <clinit>()V
class java/awt/event/InputEvent java/awt/event/ComponentEvent
java/awt/event/InputEvent SHIFT_MASK
java/awt/event/InputEvent CTRL_MASK
java/awt/event/InputEvent META_MASK
java/awt/event/InputEvent ALT_MASK
java/awt/event/InputEvent ALT_GRAPH_MASK
java/awt/event/InputEvent
BUTTON1_MASK
java/awt/event/InputEvent BUTTON2_MASK
java/awt/event/InputEvent BUTTON3_MASK
java/awt/event/InputEvent SHIFT_DOWN_MASK
java/awt/event/InputEvent CTRL_DOWN_MASK
java/awt/event/InputEvent META_DOWN_MASK
java/awt/event/InputEvent ALT_DOWN_MASK
java/awt/event/InputEvent BUTTON1_DOWN_MASK
java/awt/event/InputEvent BUTTON2_DOWN_MASK
java/awt/event/InputEvent BUTTON3_DOWN_MASK
java/awt/event/InputEvent ALT_GRAPH_DOWN_MASK
java/awt/event/InputEvent JDK_1_3_MODIFIERS
java/awt/event/InputEvent when
java/awt/event/InputEvent modifiers
java/awt/event/InputEvent canAccessSystemClipboard
java/awt/event/InputEvent serialVersionUID
java/awt/event/InputEvent initIDs()V
java/awt/event/InputEvent <init>(Ljava/awt/Component;IJI)V
java/awt/event/InputEvent canAccessSystemClipboard()Z
java/awt/event/InputEvent isShiftDown()Z
java/awt/event/InputEvent isControlDown()Z
java/awt/event/InputEvent isMetaDown()Z
java/awt/event/InputEvent isAltDown()Z
java/awt/event/InputEvent isAltGraphDown()Z
java/awt/event/InputEvent
getWhen()J
java/awt/event/InputEvent getModifiers()I
java/awt/event/InputEvent getModifiersEx()I
java/awt/event/InputEvent consume()V
java/awt/event/InputEvent isConsumed()Z
java/awt/event/InputEvent getModifiersExText(I)Ljava/lang/String;
java/awt/event/InputEvent <clinit>()V
class java/awt/event/ComponentEvent java/awt/AWTEvent
java/awt/event/ComponentEvent COMPONENT_FIRST
java/awt/event/ComponentEvent COMPONENT_LAST
java/awt/event/ComponentEvent COMPONENT_MOVED
java/awt/event/ComponentEvent COMPONENT_RESIZED
java/awt/event/ComponentEvent COMPONENT_SHOWN

java/awt/event/ComponentEvent COMPONENT_HIDDEN
java/awt/event/ComponentEvent serialVersionUID
java/awt/event/ComponentEvent <init>(Ljava/awt/Component;I)V
java/awt/event/ComponentEvent getComponent()Ljava/awt/Component;
java/awt/event/ComponentEvent paramString()Ljava/lang/String;
class java/awt/AWTEvent java/util/EventObject
java/awt/AWTEvent bdata
java/awt/AWTEvent id
java/awt/AWTEvent consumed
java/awt/AWTEvent
focusManagerIsDispatching
java/awt/AWTEvent isPosted
java/awt/AWTEvent COMPONENT_EVENT_MASK
java/awt/AWTEvent CONTAINER_EVENT_MASK
java/awt/AWTEvent FOCUS_EVENT_MASK
java/awt/AWTEvent KEY_EVENT_MASK
java/awt/AWTEvent MOUSE_EVENT_MASK
java/awt/AWTEvent MOUSE_MOTION_EVENT_MASK
java/awt/AWTEvent WINDOW_EVENT_MASK
java/awt/AWTEvent ACTION_EVENT_MASK
java/awt/AWTEvent ADJUSTMENT_EVENT_MASK
java/awt/AWTEvent ITEM_EVENT_MASK
java/awt/AWTEvent TEXT_EVENT_MASK
java/awt/AWTEvent INPUT_METHOD_EVENT_MASK
java/awt/AWTEvent INPUT_METHODS_ENABLED_MASK
java/awt/AWTEvent PAINT_EVENT_MASK
java/awt/AWTEvent INVOCATION_EVENT_MASK
java/awt/AWTEvent HIERARCHY_EVENT_MASK
java/awt/AWTEvent HIERARCHY_BOUNDS_EVENT_MASK
java/awt/AWTEvent MOUSE_WHEEL_EVENT_MASK
java/awt/AWTEvent WINDOW_STATE_EVENT_MASK
java/awt/AWTEvent WINDOW_FOCUS_EVENT_MASK
java/awt/AWTEvent RESERVED_ID_MAX
java/awt/AWTEvent inputEvent_CanAccessSystemClipboard_Field
java/awt/AWTEvent serialVersionUID
java/awt/AWTEvent get_InputEvent_CanAccessSystemClipboard()Ljava/lang/reflect/Field;
java/awt/AWTEvent
initIDs()V
java/awt/AWTEvent <init>(Ljava/awt/Event;)V
java/awt/AWTEvent <init>(Ljava/lang/Object;I)V
java/awt/AWTEvent setSource(Ljava/lang/Object;)V
java/awt/AWTEvent nativeSetSource(Ljava/awt/peer/ComponentPeer;)V
java/awt/AWTEvent getID()I
java/awt/AWTEvent toString()Ljava/lang/String;
java/awt/AWTEvent paramString()Ljava/lang/String;
java/awt/AWTEvent consume()V
java/awt/AWTEvent isConsumed()Z
java/awt/AWTEvent convertToOld()Ljava/awt/Event;

java/awt/AWTEvent copyPrivateDataInto(Ljava/awt/AWTEvent;)V
java/awt/AWTEvent dispatched()V
java/awt/AWTEvent <clinit>()V
class java/awt/KeyboardFocusManager java/lang/Object
java/awt/KeyboardFocusManager focusLog
java/awt/KeyboardFocusManager peer
java/awt/KeyboardFocusManager dbg
java/awt/KeyboardFocusManager FORWARD_TRAVERSAL_KEYS
java/awt/KeyboardFocusManager BACKWARD_TRAVERSAL_KEYS
java/awt/KeyboardFocusManager UP_CYCLE_TRAVERSAL_KEYS
java/awt/KeyboardFocusManager DOWN_CYCLE_TRAVERSAL_KEYS
java/awt/KeyboardFocusManager
TRAVERSAL_KEY_LENGTH
java/awt/KeyboardFocusManager inActivation
java/awt/KeyboardFocusManager focusOwner
java/awt/KeyboardFocusManager permanentFocusOwner
java/awt/KeyboardFocusManager focusedWindow
java/awt/KeyboardFocusManager activeWindow
java/awt/KeyboardFocusManager defaultPolicy
java/awt/KeyboardFocusManager defaultFocusTraversalKeyPropertyNames
java/awt/KeyboardFocusManager defaultFocusTraversalKeyStrokes
java/awt/KeyboardFocusManager defaultFocusTraversalKeys
java/awt/KeyboardFocusManager currentFocusCycleRoot
java/awt/KeyboardFocusManager vetoableSupport
java/awt/KeyboardFocusManager changeSupport
java/awt/KeyboardFocusManager keyEventDispatchers
java/awt/KeyboardFocusManager keyEventPostProcessors
java/awt/KeyboardFocusManager mostRecentFocusOwners
java/awt/KeyboardFocusManager notPrivileged
java/awt/KeyboardFocusManager replaceKeyboardFocusManagerPermission
java/awt/KeyboardFocusManager currentSequencedEvent
java/awt/KeyboardFocusManager
heavyweightRequests
java/awt/KeyboardFocusManager currentLightweightRequests
java/awt/KeyboardFocusManager clearingCurrentLightweightRequests
java/awt/KeyboardFocusManager allowSyncFocusRequests
java/awt/KeyboardFocusManager newFocusOwner
java/awt/KeyboardFocusManager disableRestoreFocus
java/awt/KeyboardFocusManager SNFH_FAILURE
java/awt/KeyboardFocusManager SNFH_SUCCESS_HANDLED
java/awt/KeyboardFocusManager SNFH_SUCCESS_PROCEED
java/awt/KeyboardFocusManager proxyActive
java/awt/KeyboardFocusManager $assertionsDisabled
java/awt/KeyboardFocusManager initIDs()V
java/awt/KeyboardFocusManager isInActivation()Z
java/awt/KeyboardFocusManager setInActivation(Z)V
java/awt/KeyboardFocusManager getCurrentKeyboardFocusManager()Ljava/awt/KeyboardFocusManager;
java/awt/KeyboardFocusManager

getCurrentKeyboardFocusManager(Lsun/awt/AppContext;)Ljava/awt/KeyboardFocusManager;
java/awt/KeyboardFocusManager setCurrentKeyboardFocusManager(Ljava/awt/KeyboardFocusManager;)V
java/awt/KeyboardFocusManager
setCurrentSequencedEvent(Ljava/awt/SequencedEvent;)V
java/awt/KeyboardFocusManager getCurrentSequencedEvent()Ljava/awt/SequencedEvent;
java/awt/KeyboardFocusManager initFocusTraversalKeysSet(Ljava/lang/String;Ljava/util/Set;)Ljava/util/Set;
java/awt/KeyboardFocusManager <init>()V
java/awt/KeyboardFocusManager initPeer()V
java/awt/KeyboardFocusManager getFocusOwner()Ljava/awt/Component;
java/awt/KeyboardFocusManager getGlobalFocusOwner()Ljava/awt/Component;
java/awt/KeyboardFocusManager setGlobalFocusOwner(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager clearGlobalFocusOwner()V
java/awt/KeyboardFocusManager _clearGlobalFocusOwner()V
java/awt/KeyboardFocusManager getNativeFocusOwner()Ljava/awt/Component;
java/awt/KeyboardFocusManager setNativeFocusOwner(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager getNativeFocusedWindow()Ljava/awt/Window;
java/awt/KeyboardFocusManager setNativeFocusedWindow(Ljava/awt/Window;)V
java/awt/KeyboardFocusManager getPermanentFocusOwner()Ljava/awt/Component;
java/awt/KeyboardFocusManager
getGlobalPermanentFocusOwner()Ljava/awt/Component;
java/awt/KeyboardFocusManager setGlobalPermanentFocusOwner(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager getFocusedWindow()Ljava/awt/Window;
java/awt/KeyboardFocusManager getGlobalFocusedWindow()Ljava/awt/Window;
java/awt/KeyboardFocusManager setGlobalFocusedWindow(Ljava/awt/Window;)V
java/awt/KeyboardFocusManager getActiveWindow()Ljava/awt/Window;
java/awt/KeyboardFocusManager getGlobalActiveWindow()Ljava/awt/Window;
java/awt/KeyboardFocusManager setGlobalActiveWindow(Ljava/awt/Window;)V
java/awt/KeyboardFocusManager getDefaultFocusTraversalPolicy()Ljava/awt/FocusTraversalPolicy;
java/awt/KeyboardFocusManager setDefaultFocusTraversalPolicy(Ljava/awt/FocusTraversalPolicy;)V
java/awt/KeyboardFocusManager setDefaultFocusTraversalKeys(ILjava/util/Set;)V
java/awt/KeyboardFocusManager getDefaultFocusTraversalKeys(I)Ljava/util/Set;
java/awt/KeyboardFocusManager getCurrentFocusCycleRoot()Ljava/awt/Container;
java/awt/KeyboardFocusManager
getGlobalCurrentFocusCycleRoot()Ljava/awt/Container;
java/awt/KeyboardFocusManager setGlobalCurrentFocusCycleRoot(Ljava/awt/Container;)V
java/awt/KeyboardFocusManager addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/awt/KeyboardFocusManager removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/awt/KeyboardFocusManager getPropertyChangeListeners()[Ljava/beans/PropertyChangeListener;
java/awt/KeyboardFocusManager
addPropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/awt/KeyboardFocusManager
removePropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/awt/KeyboardFocusManager
getPropertyChangeListeners(Ljava/lang/String;)[Ljava/beans/PropertyChangeListener;
java/awt/KeyboardFocusManager firePropertyChange(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)V
java/awt/KeyboardFocusManager addVetoableChangeListener(Ljava/beans/VetoableChangeListener;)V
java/awt/KeyboardFocusManager

removeVetoableChangeListener(Ljava/beans/VetoableChangeListener;)V
java/awt/KeyboardFocusManager getVetoableChangeListeners()[Ljava/beans/VetoableChangeListener;
java/awt/KeyboardFocusManager
addVetoableChangeListener(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
java/awt/KeyboardFocusManager
removeVetoableChangeListener(Ljava/lang/String;Ljava/beans/VetoableChangeListener;)V
java/awt/KeyboardFocusManager
getVetoableChangeListeners(Ljava/lang/String;)[Ljava/beans/VetoableChangeListener;
java/awt/KeyboardFocusManager fireVetoableChange(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)V
java/awt/KeyboardFocusManager addKeyEventDispatcher(Ljava/awt/KeyEventDispatcher;)V
java/awt/KeyboardFocusManager removeKeyEventDispatcher(Ljava/awt/KeyEventDispatcher;)V
java/awt/KeyboardFocusManager getKeyEventDispatchers()Ljava/util/List;
java/awt/KeyboardFocusManager addKeyEventPostProcessor(Ljava/awt/KeyEventPostProcessor;)V
java/awt/KeyboardFocusManager
removeKeyEventPostProcessor(Ljava/awt/KeyEventPostProcessor;)V
java/awt/KeyboardFocusManager getKeyEventPostProcessors()Ljava/util/List;
java/awt/KeyboardFocusManager setMostRecentFocusOwner(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager setMostRecentFocusOwner(Ljava/awt/Window;Ljava/awt/Component;)V
java/awt/KeyboardFocusManager clearMostRecentFocusOwner(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager getMostRecentFocusOwner(Ljava/awt/Window;)Ljava/awt/Component;
java/awt/KeyboardFocusManager dispatchEvent(Ljava/awt/AWTEvent;)Z
java/awt/KeyboardFocusManager redispatchEvent(Ljava/awt/Component;Ljava/awt/AWTEvent;)V
java/awt/KeyboardFocusManager dispatchKeyEvent(Ljava/awt/event/KeyEvent;)Z
java/awt/KeyboardFocusManager postProcessKeyEvent(Ljava/awt/event/KeyEvent;)Z
java/awt/KeyboardFocusManager processKeyEvent(Ljava/awt/Component;Ljava/awt/event/KeyEvent;)V
java/awt/KeyboardFocusManager enqueueKeyEvents(JLjava/awt/Component;)V
java/awt/KeyboardFocusManager dequeueKeyEvents(JLjava/awt/Component;)V
java/awt/KeyboardFocusManager
discardKeyEvents(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager focusNextComponent(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager focusPreviousComponent(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager upFocusCycle(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager downFocusCycle(Ljava/awt/Container;)V
java/awt/KeyboardFocusManager focusNextComponent()V
java/awt/KeyboardFocusManager focusPreviousComponent()V
java/awt/KeyboardFocusManager upFocusCycle()V
java/awt/KeyboardFocusManager downFocusCycle()V
java/awt/KeyboardFocusManager dumpRequests()V
java/awt/KeyboardFocusManager
processSynchronousLightweightTransfer(Ljava/awt/Component;Ljava/awt/Component;ZZJ)Z
java/awt/KeyboardFocusManager
shouldNativelyFocusHeavyweight(Ljava/awt/Component;Ljava/awt/Component;ZZJ)I
java/awt/KeyboardFocusManager heavyweightButtonDown(Ljava/awt/Component;J)V
java/awt/KeyboardFocusManager heavyweightButtonDown(Ljava/awt/Component;JZ)V
java/awt/KeyboardFocusManager
markClearGlobalFocusOwner()Ljava/awt/Window;
java/awt/KeyboardFocusManager getCurrentWaitingRequest(Ljava/awt/Component;)Ljava/awt/Component;
java/awt/KeyboardFocusManager

dispatchAndCatchException(Ljava/lang/Throwable;Ljava/awt/Component;Ljava/awt/event/FocusEvent;)Ljava/lang/Throwable;
java/awt/KeyboardFocusManager handleException(Ljava/lang/Throwable;)V
java/awt/KeyboardFocusManager hasFocusRequests()Z
java/awt/KeyboardFocusManager processCurrentLightweightRequests()V
java/awt/KeyboardFocusManager
retargetUnexpectedFocusEvent(Ljava/awt/event/FocusEvent;)Ljava/awt/event/FocusEvent;
java/awt/KeyboardFocusManager retargetFocusGained(Ljava/awt/event/FocusEvent;)Ljava/awt/event/FocusEvent;
java/awt/KeyboardFocusManager retargetFocusLost(Ljava/awt/event/FocusEvent;)Ljava/awt/event/FocusEvent;
java/awt/KeyboardFocusManager retargetFocusEvent(Ljava/awt/AWTEvent;)Ljava/awt/AWTEvent;
java/awt/KeyboardFocusManager clearMarkers()V
java/awt/KeyboardFocusManager
removeFirstRequest()Z
java/awt/KeyboardFocusManager removeLastFocusRequest(Ljava/awt/Component;)V
java/awt/KeyboardFocusManager focusedWindowChanged(Ljava/awt/Component;Ljava/awt/Component;)Z
java/awt/KeyboardFocusManager isTemporary(Ljava/awt/Component;Ljava/awt/Component;)Z
java/awt/KeyboardFocusManager getHeavyweight(Ljava/awt/Component;)Ljava/awt/Component;
java/awt/KeyboardFocusManager isProxyActiveImpl(Ljava/awt/event/KeyEvent;)Z
java/awt/KeyboardFocusManager isProxyActive(Ljava/awt/event/KeyEvent;)Z
java/awt/KeyboardFocusManager access$000()Lsun/awt/DebugHelper;
java/awt/KeyboardFocusManager <clinit>()V
class java/awt/KeyEventPostProcessor java/lang/Object
java/awt/KeyEventPostProcessor postProcessKeyEvent(Ljava/awt/event/KeyEvent;)Z
class java/awt/KeyEventDispatcher java/lang/Object
java/awt/KeyEventDispatcher dispatchKeyEvent(Ljava/awt/event/KeyEvent;)Z
class java/awt/Queue java/lang/Object
java/awt/Queue head
java/awt/Queue tail
java/awt/Queue <init>()V
class java/awt/EventQueue
java/lang/Object
java/awt/EventQueue dbg
java/awt/EventQueue threadInitNumber
java/awt/EventQueue LOW_PRIORITY
java/awt/EventQueue NORM_PRIORITY
java/awt/EventQueue HIGH_PRIORITY
java/awt/EventQueue ULTIMATE_PRIORITY
java/awt/EventQueue NUM_PRIORITIES
java/awt/EventQueue queues
java/awt/EventQueue nextQueue
java/awt/EventQueue previousQueue
java/awt/EventQueue dispatchThread
java/awt/EventQueue threadGroup
java/awt/EventQueue classLoader
java/awt/EventQueue debug
java/awt/EventQueue mostRecentEventTime
java/awt/EventQueue currentEvent
java/awt/EventQueue waitForID

java/awt/EventQueue name
java/awt/EventQueue nextThreadNum()I
java/awt/EventQueue <init>()V
java/awt/EventQueue postEvent(Ljava/awt/AWTEvent;)V
java/awt/EventQueue postEventPrivate(Ljava/awt/AWTEvent;)V
java/awt/EventQueue postEvent(Ljava/awt/AWTEvent;I)V
java/awt/EventQueue noEvents()Z
java/awt/EventQueue getNextEvent()Ljava/awt/AWTEvent;
java/awt/EventQueue getNextEvent(I)Ljava/awt/AWTEvent;
java/awt/EventQueue
peekEvent()Ljava/awt/AWTEvent;
java/awt/EventQueue peekEvent(I)Ljava/awt/AWTEvent;
java/awt/EventQueue dispatchEvent(Ljava/awt/AWTEvent;)V
java/awt/EventQueue getMostRecentEventTime()J
java/awt/EventQueue getMostRecentEventTimeImpl()J
java/awt/EventQueue getMostRecentEventTimeEx()J
java/awt/EventQueue getCurrentEvent()Ljava/awt/AWTEvent;
java/awt/EventQueue getCurrentEventImpl()Ljava/awt/AWTEvent;
java/awt/EventQueue push(Ljava/awt/EventQueue;)V
java/awt/EventQueue pop()V
java/awt/EventQueue isDispatchThread()Z
java/awt/EventQueue initDispatchThread()V
java/awt/EventQueue detachDispatchThread()V
java/awt/EventQueue getDispatchThread()Ljava/awt/EventDispatchThread;
java/awt/EventQueue removeSourceEvents(Ljava/lang/Object;Z)V
java/awt/EventQueue setCurrentEventAndMostRecentTime(Ljava/awt/AWTEvent;)V
java/awt/EventQueue setCurrentEventAndMostRecentTimeImpl(Ljava/awt/AWTEvent;)V
java/awt/EventQueue invokeLater(Ljava/lang/Runnable;)V
java/awt/EventQueue invokeAndWait(Ljava/lang/Runnable;)V
java/awt/EventQueue
wakeup(Z)V
java/awt/EventQueue access$000(Ljava/awt/EventQueue;)Ljava/lang/ThreadGroup;
java/awt/EventQueue access$100(Ljava/awt/EventQueue;)Ljava/lang/String;
java/awt/EventQueue access$200(Ljava/awt/EventQueue;)Ljava/lang/ClassLoader;
java/awt/EventQueue <clinit>()V
class java/util/MissingResourceException java/lang/RuntimeException
java/util/MissingResourceException className
java/util/MissingResourceException key
java/util/MissingResourceException <init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/util/MissingResourceException getClassName()Ljava/lang/String;
java/util/MissingResourceException getKey()Ljava/lang/String;
class java/awt/Toolkit$2 java/lang/Object
java/awt/Toolkit$2 <init>()V
java/awt/Toolkit$2 run()Ljava/lang/Object;
class java/awt/Rectangle java/awt/geom/Rectangle2D
java/awt/Rectangle x
java/awt/Rectangle y
java/awt/Rectangle width

java/awt/Rectangle height
java/awt/Rectangle serialVersionUID
java/awt/Rectangle initIDs()V
java/awt/Rectangle
<init>()V
java/awt/Rectangle <init>(Ljava/awt/Rectangle;)V
java/awt/Rectangle <init>(IIII)V
java/awt/Rectangle <init>(II)V
java/awt/Rectangle <init>(Ljava/awt/Point;Ljava/awt/Dimension;)V
java/awt/Rectangle <init>(Ljava/awt/Point;)V
java/awt/Rectangle <init>(Ljava/awt/Dimension;)V
java/awt/Rectangle getX()D
java/awt/Rectangle getY()D
java/awt/Rectangle getWidth()D
java/awt/Rectangle getHeight()D
java/awt/Rectangle getBounds()Ljava/awt/Rectangle;
java/awt/Rectangle getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/Rectangle setBounds(Ljava/awt/Rectangle;)V
java/awt/Rectangle setBounds(IIII)V
java/awt/Rectangle setRect(DDDD)V
java/awt/Rectangle reshape(IIII)V
java/awt/Rectangle getLocation()Ljava/awt/Point;
java/awt/Rectangle setLocation(Ljava/awt/Point;)V
java/awt/Rectangle setLocation(II)V
java/awt/Rectangle move(II)V
java/awt/Rectangle translate(II)V
java/awt/Rectangle getSize()Ljava/awt/Dimension;
java/awt/Rectangle setSize(Ljava/awt/Dimension;)V
java/awt/Rectangle setSize(II)V
java/awt/Rectangle
resize(II)V
java/awt/Rectangle contains(Ljava/awt/Point;)Z
java/awt/Rectangle contains(II)Z
java/awt/Rectangle contains(Ljava/awt/Rectangle;)Z
java/awt/Rectangle contains(IIII)Z
java/awt/Rectangle inside(II)Z
java/awt/Rectangle intersects(Ljava/awt/Rectangle;)Z
java/awt/Rectangle intersection(Ljava/awt/Rectangle;)Ljava/awt/Rectangle;
java/awt/Rectangle union(Ljava/awt/Rectangle;)Ljava/awt/Rectangle;
java/awt/Rectangle add(II)V
java/awt/Rectangle add(Ljava/awt/Point;)V
java/awt/Rectangle add(Ljava/awt/Rectangle;)V
java/awt/Rectangle grow(II)V
java/awt/Rectangle isEmpty()Z
java/awt/Rectangle outcode(DD)I
java/awt/Rectangle createIntersection(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/Rectangle2D;
java/awt/Rectangle createUnion(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/Rectangle2D;
java/awt/Rectangle equals(Ljava/lang/Object;)Z

java/awt/Rectangle toString()Ljava/lang/String;
java/awt/Rectangle <clinit>()V
class java/awt/BorderLayout java/lang/Object
java/awt/BorderLayout
 hgap
java/awt/BorderLayout vgap
java/awt/BorderLayout north
java/awt/BorderLayout west
java/awt/BorderLayout east
java/awt/BorderLayout south
java/awt/BorderLayout center
java/awt/BorderLayout firstLine
java/awt/BorderLayout lastLine
java/awt/BorderLayout firstItem
java/awt/BorderLayout lastItem
java/awt/BorderLayout NORTH
java/awt/BorderLayout SOUTH
java/awt/BorderLayout EAST
java/awt/BorderLayout WEST
java/awt/BorderLayout CENTER
java/awt/BorderLayout BEFORE_FIRST_LINE
java/awt/BorderLayout AFTER_LAST_LINE
java/awt/BorderLayout BEFORE_LINE_BEGINS
java/awt/BorderLayout AFTER_LINE_ENDS
java/awt/BorderLayout PAGE_START
java/awt/BorderLayout PAGE_END
java/awt/BorderLayout LINE_START
java/awt/BorderLayout LINE_END
java/awt/BorderLayout serialVersionUID
java/awt/BorderLayout <init>()V
java/awt/BorderLayout <init>(II)V
java/awt/BorderLayout getHgap()I
java/awt/BorderLayout setHgap(I)V
java/awt/BorderLayout getVgap()I
java/awt/BorderLayout setVgap(I)V
java/awt/BorderLayout addLayoutComponent(Ljava/awt/Component;Ljava/lang/Object;)V
java/awt/BorderLayout
 addLayoutComponent(Ljava/lang/String;Ljava/awt/Component;)V
java/awt/BorderLayout removeLayoutComponent(Ljava/awt/Component;)V
java/awt/BorderLayout getLayoutComponent(Ljava/lang/Object;)Ljava/awt/Component;
java/awt/BorderLayout getLayoutComponent(Ljava/awt/Container;Ljava/lang/Object;)Ljava/awt/Component;
java/awt/BorderLayout getConstraints(Ljava/awt/Component;)Ljava/lang/Object;
java/awt/BorderLayout minimumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/BorderLayout preferredLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/BorderLayout maximumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/BorderLayout getLayoutAlignmentX(Ljava/awt/Container;)F
java/awt/BorderLayout getLayoutAlignmentY(Ljava/awt/Container;)F
java/awt/BorderLayout invalidateLayout(Ljava/awt/Container;)V

java/awt/BorderLayout layoutContainer(Ljava/awt/Container;)V
java/awt/BorderLayout getChild(Ljava/lang/String;Z)Ljava/awt/Component;
java/awt/BorderLayout
toString()Ljava/lang/String;
class java/awt/LayoutManager2 java/lang/Object
java/awt/LayoutManager2 addLayoutComponent(Ljava/awt/Component;Ljava/lang/Object;)V
java/awt/LayoutManager2 maximumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/LayoutManager2 getLayoutAlignmentX(Ljava/awt/Container;)F
java/awt/LayoutManager2 getLayoutAlignmentY(Ljava/awt/Container;)F
java/awt/LayoutManager2 invalidateLayout(Ljava/awt/Container;)V
class java/awt/GraphicsConfiguration java/lang/Object
java/awt/GraphicsConfiguration defaultBufferCaps
java/awt/GraphicsConfiguration defaultImageCaps
java/awt/GraphicsConfiguration <init>()V
java/awt/GraphicsConfiguration getDevice()Ljava/awt/GraphicsDevice;
java/awt/GraphicsConfiguration createCompatibleImage(II)Ljava/awt/image/BufferedImage;
java/awt/GraphicsConfiguration createCompatibleVolatileImage(II)Ljava/awt/image/VolatileImage;
java/awt/GraphicsConfiguration createCompatibleVolatileImage(III)Ljava/awt/image/VolatileImage;
java/awt/GraphicsConfiguration
createCompatibleVolatileImage(IILjava/awt/ImageCapabilities;)Ljava/awt/image/VolatileImage;
java/awt/GraphicsConfiguration
createCompatibleVolatileImage(IILjava/awt/ImageCapabilities;I)Ljava/awt/image/VolatileImage;
java/awt/GraphicsConfiguration createCompatibleImage(III)Ljava/awt/image/BufferedImage;
java/awt/GraphicsConfiguration getColorModel()Ljava/awt/image/ColorModel;
java/awt/GraphicsConfiguration getColorModel(I)Ljava/awt/image/ColorModel;
java/awt/GraphicsConfiguration getDefaultTransform()Ljava/awt/geom/AffineTransform;
java/awt/GraphicsConfiguration getNormalizingTransform()Ljava/awt/geom/AffineTransform;
java/awt/GraphicsConfiguration getBounds()Ljava/awt/Rectangle;
java/awt/GraphicsConfiguration getBufferCapabilities()Ljava/awt/BufferCapabilities;
java/awt/GraphicsConfiguration getImageCapabilities()Ljava/awt/ImageCapabilities;
class java/awt/GraphicsDevice java/lang/Object
java/awt/GraphicsDevice fullScreenWindow
java/awt/GraphicsDevice
windowedModeBounds
java/awt/GraphicsDevice TYPE_RASTER_SCREEN
java/awt/GraphicsDevice TYPE_PRINTER
java/awt/GraphicsDevice TYPE_IMAGE_BUFFER
java/awt/GraphicsDevice <init>()V
java/awt/GraphicsDevice getType()I
java/awt/GraphicsDevice getIDstring()Ljava/lang/String;
java/awt/GraphicsDevice getConfigurations()[Ljava/awt/GraphicsConfiguration;
java/awt/GraphicsDevice getDefaultConfiguration()Ljava/awt/GraphicsConfiguration;
java/awt/GraphicsDevice
getBestConfiguration(Ljava/awt/GraphicsConfigTemplate;)Ljava/awt/GraphicsConfiguration;
java/awt/GraphicsDevice isFullScreenSupported()Z
java/awt/GraphicsDevice setFullScreenWindow(Ljava/awt/Window;)V
java/awt/GraphicsDevice getFullScreenWindow()Ljava/awt/Window;
java/awt/GraphicsDevice isDisplayChangeSupported()Z

java/awt/GraphicsDevice setDisplayMode(Ljava/awt/DisplayMode;)V
java/awt/GraphicsDevice getDisplayMode()Ljava/awt/DisplayMode;
java/awt/GraphicsDevice getDisplayModes()[Ljava/awt/DisplayMode;
java/awt/GraphicsDevice
 getAvailableAcceleratedMemory()I
class java/util/HashMap$KeyIterator java/util/HashMap$HashIterator
java/util/HashMap$KeyIterator this$0
java/util/HashMap$KeyIterator <init>(Ljava/util/HashMap;)V
java/util/HashMap$KeyIterator next()Ljava/lang/Object;
java/util/HashMap$KeyIterator <init>(Ljava/util/HashMap;Ljava/util/HashMap$1;)V
class java/util/HashMap$HashIterator java/lang/Object
java/util/HashMap$HashIterator next
java/util/HashMap$HashIterator expectedModCount
java/util/HashMap$HashIterator index
java/util/HashMap$HashIterator current
java/util/HashMap$HashIterator this$0
java/util/HashMap$HashIterator <init>(Ljava/util/HashMap;)V
java/util/HashMap$HashIterator hasNext()Z
java/util/HashMap$HashIterator nextEntry()Ljava/util/HashMap$Entry;
java/util/HashMap$HashIterator remove()V
class java/util/HashMap$KeySet java/util/AbstractSet
java/util/HashMap$KeySet this$0
java/util/HashMap$KeySet <init>(Ljava/util/HashMap;)V
java/util/HashMap$KeySet iterator()Ljava/util/Iterator;
java/util/HashMap$KeySet
 size()I
java/util/HashMap$KeySet contains(Ljava/lang/Object;)Z
java/util/HashMap$KeySet remove(Ljava/lang/Object;)Z
java/util/HashMap$KeySet clear()V
java/util/HashMap$KeySet <init>(Ljava/util/HashMap;Ljava/util/HashMap$1;)V
class java/lang/Short$ShortCache java/lang/Object
java/lang/Short$ShortCache cache
java/lang/Short$ShortCache <init>()V
java/lang/Short$ShortCache <clinit>()V
class java/lang/Integer$IntegerCache java/lang/Object
java/lang/Integer$IntegerCache cache
java/lang/Integer$IntegerCache <init>()V
java/lang/Integer$IntegerCache <clinit>()V
class java/awt/geom/Rectangle2D$Float java/awt/geom/Rectangle2D
java/awt/geom/Rectangle2D$Float x
java/awt/geom/Rectangle2D$Float y
java/awt/geom/Rectangle2D$Float width
java/awt/geom/Rectangle2D$Float height
java/awt/geom/Rectangle2D$Float <init>()V
java/awt/geom/Rectangle2D$Float <init>(FFFF)V
java/awt/geom/Rectangle2D$Float getX()D
java/awt/geom/Rectangle2D$Float getY()D
java/awt/geom/Rectangle2D$Float getWidth()D

java/awt/geom/Rectangle2D$Float
 getHeight()D
java/awt/geom/Rectangle2D$Float isEmpty()Z
java/awt/geom/Rectangle2D$Float setRect(FFFF)V
java/awt/geom/Rectangle2D$Float setRect(DDDD)V
java/awt/geom/Rectangle2D$Float setRect(Ljava/awt/geom/Rectangle2D;)V
java/awt/geom/Rectangle2D$Float outcode(DD)I
java/awt/geom/Rectangle2D$Float getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D$Float createIntersection(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D$Float createUnion(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D$Float toString()Ljava/lang/String;
class java/awt/geom/Rectangle2D java/awt/geom/RectangularShape
java/awt/geom/Rectangle2D OUT_LEFT
java/awt/geom/Rectangle2D OUT_TOP
java/awt/geom/Rectangle2D OUT_RIGHT
java/awt/geom/Rectangle2D OUT_BOTTOM
java/awt/geom/Rectangle2D <init>()V
java/awt/geom/Rectangle2D setRect(DDDD)V
java/awt/geom/Rectangle2D setRect(Ljava/awt/geom/Rectangle2D;)V
java/awt/geom/Rectangle2D
 intersectsLine(DDDD)Z
java/awt/geom/Rectangle2D intersectsLine(Ljava/awt/geom/Line2D;)Z
java/awt/geom/Rectangle2D outcode(DD)I
java/awt/geom/Rectangle2D outcode(Ljava/awt/geom/Point2D;)I
java/awt/geom/Rectangle2D setFrame(DDDD)V
java/awt/geom/Rectangle2D getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D contains(DD)Z
java/awt/geom/Rectangle2D intersects(DDDD)Z
java/awt/geom/Rectangle2D contains(DDDD)Z
java/awt/geom/Rectangle2D createIntersection(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D
intersect(Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Rectangle2D;)V
java/awt/geom/Rectangle2D createUnion(Ljava/awt/geom/Rectangle2D;)Ljava/awt/geom/Rectangle2D;
java/awt/geom/Rectangle2D
union(Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Rectangle2D;)V
java/awt/geom/Rectangle2D add(DD)V
java/awt/geom/Rectangle2D add(Ljava/awt/geom/Point2D;)V
java/awt/geom/Rectangle2D add(Ljava/awt/geom/Rectangle2D;)V
java/awt/geom/Rectangle2D
 getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
java/awt/geom/Rectangle2D getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
java/awt/geom/Rectangle2D hashCode()I
java/awt/geom/Rectangle2D equals(Ljava/lang/Object;)Z
class java/awt/geom/RectangularShape java/lang/Object
java/awt/geom/RectangularShape <init>()V
java/awt/geom/RectangularShape getX()D
java/awt/geom/RectangularShape getY()D
java/awt/geom/RectangularShape getWidth()D

java/awt/geom/RectangularShape getHeight()D
java/awt/geom/RectangularShape getMinX()D
java/awt/geom/RectangularShape getMinY()D
java/awt/geom/RectangularShape getMaxX()D
java/awt/geom/RectangularShape getMaxY()D
java/awt/geom/RectangularShape getCenterX()D
java/awt/geom/RectangularShape getCenterY()D
java/awt/geom/RectangularShape getFrame()Ljava/awt/geom/Rectangle2D;
java/awt/geom/RectangularShape isEmpty()Z
java/awt/geom/RectangularShape setFrame(DDDD)V
java/awt/geom/RectangularShape
setFrame(Ljava/awt/geom/Point2D;Ljava/awt/geom/Dimension2D;)V
java/awt/geom/RectangularShape setFrame(Ljava/awt/geom/Rectangle2D;)V
java/awt/geom/RectangularShape setFrameFromDiagonal(DDDD)V
java/awt/geom/RectangularShape setFrameFromDiagonal(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)V
java/awt/geom/RectangularShape setFrameFromCenter(DDDD)V
java/awt/geom/RectangularShape setFrameFromCenter(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)V
java/awt/geom/RectangularShape contains(Ljava/awt/geom/Point2D;)Z
java/awt/geom/RectangularShape intersects(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/RectangularShape contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/RectangularShape getBounds()Ljava/awt/Rectangle;
java/awt/geom/RectangularShape getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
java/awt/geom/RectangularShape clone()Ljava/lang/Object;
class java/awt/geom/Point2D$Float java/awt/geom/Point2D
java/awt/geom/Point2D$Float x
java/awt/geom/Point2D$Float
y
java/awt/geom/Point2D$Float <init>()V
java/awt/geom/Point2D$Float <init>(FF)V
java/awt/geom/Point2D$Float getX()D
java/awt/geom/Point2D$Float getY()D
java/awt/geom/Point2D$Float setLocation(DD)V
java/awt/geom/Point2D$Float setLocation(FF)V
java/awt/geom/Point2D$Float toString()Ljava/lang/String;
class java/awt/font/FontRenderContext java/lang/Object
java/awt/font/FontRenderContext tx
java/awt/font/FontRenderContext bIsAntiAliased
java/awt/font/FontRenderContext bUsesFractionalMetrics
java/awt/font/FontRenderContext <init>()V
java/awt/font/FontRenderContext <init>(Ljava/awt/geom/AffineTransform;ZZ)V
java/awt/font/FontRenderContext getTransform()Ljava/awt/geom/AffineTransform;
java/awt/font/FontRenderContext isAntiAliased()Z
java/awt/font/FontRenderContext usesFractionalMetrics()Z
java/awt/font/FontRenderContext equals(Ljava/lang/Object;)Z
java/awt/font/FontRenderContext equals(Ljava/awt/font/FontRenderContext;)Z
java/awt/font/FontRenderContext hashCode()I
class

java/lang/reflect/Array java/lang/Object
java/lang/reflect/Array <init>()V
java/lang/reflect/Array newInstance(Ljava/lang/Class;I)Ljava/lang/Object;
java/lang/reflect/Array newInstance(Ljava/lang/Class;[I)Ljava/lang/Object;
java/lang/reflect/Array getLength(Ljava/lang/Object;)I
java/lang/reflect/Array get(Ljava/lang/Object;I)Ljava/lang/Object;
java/lang/reflect/Array getBoolean(Ljava/lang/Object;I)Z
java/lang/reflect/Array getByte(Ljava/lang/Object;I)B
java/lang/reflect/Array getChar(Ljava/lang/Object;I)C
java/lang/reflect/Array getShort(Ljava/lang/Object;I)S
java/lang/reflect/Array getInt(Ljava/lang/Object;I)I
java/lang/reflect/Array getLong(Ljava/lang/Object;I)J
java/lang/reflect/Array getFloat(Ljava/lang/Object;I)F
java/lang/reflect/Array getDouble(Ljava/lang/Object;I)D
java/lang/reflect/Array set(Ljava/lang/Object;ILjava/lang/Object;)V
java/lang/reflect/Array setBoolean(Ljava/lang/Object;IZ)V
java/lang/reflect/Array setByte(Ljava/lang/Object;IB)V
java/lang/reflect/Array setChar(Ljava/lang/Object;IC)V
java/lang/reflect/Array
setShort(Ljava/lang/Object;IS)V
java/lang/reflect/Array setInt(Ljava/lang/Object;II)V
java/lang/reflect/Array setLong(Ljava/lang/Object;IJ)V
java/lang/reflect/Array setFloat(Ljava/lang/Object;IF)V
java/lang/reflect/Array setDouble(Ljava/lang/Object;ID)V
java/lang/reflect/Array newArray(Ljava/lang/Class;I)Ljava/lang/Object;
java/lang/reflect/Array multiNewArray(Ljava/lang/Class;[I)Ljava/lang/Object;
class java/awt/geom/GeneralPath java/lang/Object
java/awt/geom/GeneralPath WIND_EVEN_ODD
java/awt/geom/GeneralPath WIND_NON_ZERO
java/awt/geom/GeneralPath SEG_MOVETO
java/awt/geom/GeneralPath SEG_LINETO
java/awt/geom/GeneralPath SEG_QUADTO
java/awt/geom/GeneralPath SEG_CUBICTO
java/awt/geom/GeneralPath SEG_CLOSE
java/awt/geom/GeneralPath pointTypes
java/awt/geom/GeneralPath pointCoords
java/awt/geom/GeneralPath numTypes
java/awt/geom/GeneralPath numCoords
java/awt/geom/GeneralPath windingRule
java/awt/geom/GeneralPath INIT_SIZE
java/awt/geom/GeneralPath
EXPAND_MAX
java/awt/geom/GeneralPath <init>()V
java/awt/geom/GeneralPath <init>(I)V
java/awt/geom/GeneralPath <init>(II)V
java/awt/geom/GeneralPath <init>(III)V
java/awt/geom/GeneralPath <init>(Ljava/awt/Shape;)V
java/awt/geom/GeneralPath needRoom(IIZ)V

java/awt/geom/GeneralPath moveTo(FF)V
java/awt/geom/GeneralPath lineTo(FF)V
java/awt/geom/GeneralPath quadTo(FFFF)V
java/awt/geom/GeneralPath curveTo(FFFFFF)V
java/awt/geom/GeneralPath closePath()V
java/awt/geom/GeneralPath append(Ljava/awt/Shape;Z)V
java/awt/geom/GeneralPath append(Ljava/awt/geom/PathIterator;Z)V
java/awt/geom/GeneralPath getWindingRule()I
java/awt/geom/GeneralPath setWindingRule(I)V
java/awt/geom/GeneralPath getCurrentPoint()Ljava/awt/geom/Point2D;
java/awt/geom/GeneralPath reset()V
java/awt/geom/GeneralPath transform(Ljava/awt/geom/AffineTransform;)V
java/awt/geom/GeneralPath createTransformedShape(Ljava/awt/geom/AffineTransform;)Ljava/awt/Shape;
java/awt/geom/GeneralPath getBounds()Ljava/awt/Rectangle;
java/awt/geom/GeneralPath
getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/geom/GeneralPath contains(DD)Z
java/awt/geom/GeneralPath contains(Ljava/awt/geom/Point2D;)Z
java/awt/geom/GeneralPath contains(DDDD)Z
java/awt/geom/GeneralPath contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/GeneralPath intersects(DDDD)Z
java/awt/geom/GeneralPath intersects(Ljava/awt/geom/Rectangle2D;)Z
java/awt/geom/GeneralPath getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
java/awt/geom/GeneralPath getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
java/awt/geom/GeneralPath clone()Ljava/lang/Object;
java/awt/geom/GeneralPath <init>(I[BI[FI)V
class java/awt/Shape java/lang/Object
java/awt/Shape getBounds()Ljava/awt/Rectangle;
java/awt/Shape getBounds2D()Ljava/awt/geom/Rectangle2D;
java/awt/Shape contains(DD)Z
java/awt/Shape contains(Ljava/awt/geom/Point2D;)Z
java/awt/Shape intersects(DDDD)Z
java/awt/Shape intersects(Ljava/awt/geom/Rectangle2D;)Z
java/awt/Shape
contains(DDDD)Z
java/awt/Shape contains(Ljava/awt/geom/Rectangle2D;)Z
java/awt/Shape getPathIterator(Ljava/awt/geom/AffineTransform;)Ljava/awt/geom/PathIterator;
java/awt/Shape getPathIterator(Ljava/awt/geom/AffineTransform;D)Ljava/awt/geom/PathIterator;
class java/awt/BasicStroke java/lang/Object
java/awt/BasicStroke JOIN_MITER
java/awt/BasicStroke JOIN_ROUND
java/awt/BasicStroke JOIN_BEVEL
java/awt/BasicStroke CAP_BUTT
java/awt/BasicStroke CAP_ROUND
java/awt/BasicStroke CAP_SQUARE
java/awt/BasicStroke width
java/awt/BasicStroke join
java/awt/BasicStroke cap

java/awt/BasicStroke miterlimit
java/awt/BasicStroke dash
java/awt/BasicStroke dash_phase
java/awt/BasicStroke RasterizerCaps
java/awt/BasicStroke RasterizerCorners
java/awt/BasicStroke <init>(FIIF[FF)V
java/awt/BasicStroke <init>(FIIF)V
java/awt/BasicStroke <init>(FII)V
java/awt/BasicStroke <init>(F)V
java/awt/BasicStroke <init>()V
java/awt/BasicStroke createStrokedShape(Ljava/awt/Shape;)Ljava/awt/Shape;
java/awt/BasicStroke
feedConsumer(Lsun/dc/path/PathConsumer;Ljava/awt/geom/PathIterator;)V
java/awt/BasicStroke getLineWidth()F
java/awt/BasicStroke getEndCap()I
java/awt/BasicStroke getLineJoin()I
java/awt/BasicStroke getMiterLimit()F
java/awt/BasicStroke getDashArray()[F
java/awt/BasicStroke getDashPhase()F
java/awt/BasicStroke hashCode()I
java/awt/BasicStroke equals(Ljava/lang/Object;)Z
java/awt/BasicStroke <clinit>()V
class java/awt/Stroke java/lang/Object
java/awt/Stroke createStrokedShape(Ljava/awt/Shape;)Ljava/awt/Shape;
class java/awt/AlphaComposite java/lang/Object
java/awt/AlphaComposite CLEAR
java/awt/AlphaComposite SRC
java/awt/AlphaComposite DST
java/awt/AlphaComposite SRC_OVER
java/awt/AlphaComposite DST_OVER
java/awt/AlphaComposite SRC_IN
java/awt/AlphaComposite DST_IN
java/awt/AlphaComposite SRC_OUT
java/awt/AlphaComposite DST_OUT
java/awt/AlphaComposite SRC_ATOP
java/awt/AlphaComposite DST_ATOP
java/awt/AlphaComposite XOR
java/awt/AlphaComposite Clear
java/awt/AlphaComposite Src
java/awt/AlphaComposite
Dst
java/awt/AlphaComposite SrcOver
java/awt/AlphaComposite DstOver
java/awt/AlphaComposite SrcIn
java/awt/AlphaComposite DstIn
java/awt/AlphaComposite SrcOut
java/awt/AlphaComposite DstOut
java/awt/AlphaComposite SrcAtop

java/awt/AlphaComposite DstAtop
java/awt/AlphaComposite Xor
java/awt/AlphaComposite MIN_RULE
java/awt/AlphaComposite MAX_RULE
java/awt/AlphaComposite extraAlpha
java/awt/AlphaComposite rule
java/awt/AlphaComposite <init>(I)V
java/awt/AlphaComposite <init>(IF)V
java/awt/AlphaComposite getInstance(I)Ljava/awt/AlphaComposite;
java/awt/AlphaComposite getInstance(IF)Ljava/awt/AlphaComposite;
java/awt/AlphaComposite
createContext(Ljava/awt/image/ColorModel;Ljava/awt/image/ColorModel;Ljava/awt/RenderingHints;)Ljava/awt/C
ompositeContext;
java/awt/AlphaComposite getAlpha()F
java/awt/AlphaComposite getRule()I
java/awt/AlphaComposite hashCode()I
java/awt/AlphaComposite equals(Ljava/lang/Object;)Z
java/awt/AlphaComposite <clinit>()V
class java/awt/Composite java/lang/Object
java/awt/Composite
createContext(Ljava/awt/image/ColorModel;Ljava/awt/image/ColorModel;Ljava/awt/RenderingHints;)Ljava/awt/C
ompositeContext;
class java/awt/Color java/lang/Object
java/awt/Color white
java/awt/Color WHITE
java/awt/Color lightGray
java/awt/Color LIGHT_GRAY
java/awt/Color gray
java/awt/Color GRAY
java/awt/Color darkGray
java/awt/Color DARK_GRAY
java/awt/Color black
java/awt/Color BLACK
java/awt/Color red
java/awt/Color RED
java/awt/Color pink
java/awt/Color PINK
java/awt/Color orange
java/awt/Color ORANGE
java/awt/Color yellow
java/awt/Color YELLOW
java/awt/Color green
java/awt/Color GREEN
java/awt/Color magenta
java/awt/Color MAGENTA
java/awt/Color cyan
java/awt/Color CYAN
java/awt/Color blue

java/awt/Color BLUE
java/awt/Color pData
java/awt/Color value
java/awt/Color frgbvalue
java/awt/Color fvalue
java/awt/Color falpha
java/awt/Color cs
java/awt/Color serialVersionUID
java/awt/Color FACTOR
java/awt/Color theContext
java/awt/Color initIDs()V
java/awt/Color
testColorValueRange(IIII)V
java/awt/Color testColorValueRange(FFFF)V
java/awt/Color <init>(III)V
java/awt/Color <init>(IIII)V
java/awt/Color <init>(I)V
java/awt/Color <init>(IZ)V
java/awt/Color <init>(FFF)V
java/awt/Color <init>(FFFF)V
java/awt/Color <init>(Ljava/awt/color/ColorSpace;[FF)V
java/awt/Color getRed()I
java/awt/Color getGreen()I
java/awt/Color getBlue()I
java/awt/Color getAlpha()I
java/awt/Color getRGB()I
java/awt/Color brighter()Ljava/awt/Color;
java/awt/Color darker()Ljava/awt/Color;
java/awt/Color hashCode()I
java/awt/Color equals(Ljava/lang/Object;)Z
java/awt/Color toString()Ljava/lang/String;
java/awt/Color decode(Ljava/lang/String;)Ljava/awt/Color;
java/awt/Color getColor(Ljava/lang/String;)Ljava/awt/Color;
java/awt/Color getColor(Ljava/lang/String;Ljava/awt/Color;)Ljava/awt/Color;
java/awt/Color getColor(Ljava/lang/String;I)Ljava/awt/Color;
java/awt/Color HSBtoRGB(FFF)I
java/awt/Color RGBtoHSB(III[F)[F
java/awt/Color getHSBColor(FFF)Ljava/awt/Color;
java/awt/Color
getRGBComponents([F)[F
java/awt/Color getRGBColorComponents([F)[F
java/awt/Color getComponents([F)[F
java/awt/Color getColorComponents([F)[F
java/awt/Color getComponents(Ljava/awt/color/ColorSpace;[F)[F
java/awt/Color getColorComponents(Ljava/awt/color/ColorSpace;[F)[F
java/awt/Color getColorSpace()Ljava/awt/color/ColorSpace;
java/awt/Color
createContext(Ljava/awt/image/ColorModel;Ljava/awt/Rectangle;Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Af

fineTransform;Ljava/awt/RenderingHints;)Ljava/awt/PaintContext;
java/awt/Color getTransparency()I
java/awt/Color <clinit>()V
class java/awt/Paint java/lang/Object
java/awt/Paint
createContext(Ljava/awt/image/ColorModel;Ljava/awt/Rectangle;Ljava/awt/geom/Rectangle2D;Ljava/awt/geom/Af
fineTransform;Ljava/awt/RenderingHints;)Ljava/awt/PaintContext;
class java/awt/Graphics2D java/awt/Graphics
java/awt/Graphics2D <init>()V
java/awt/Graphics2D draw3DRect(IIIIZ)V
java/awt/Graphics2D fill3DRect(IIIIZ)V
java/awt/Graphics2D draw(Ljava/awt/Shape;)V
java/awt/Graphics2D
drawImage(Ljava/awt/Image;Ljava/awt/geom/AffineTransform;Ljava/awt/image/ImageObserver;)Z
java/awt/Graphics2D drawImage(Ljava/awt/image/BufferedImage;Ljava/awt/image/BufferedImageOp;II)V
java/awt/Graphics2D drawRenderedImage(Ljava/awt/image/RenderedImage;Ljava/awt/geom/AffineTransform;)V
java/awt/Graphics2D
drawRenderableImage(Ljava/awt/image/renderable/RenderableImage;Ljava/awt/geom/AffineTransform;)V
java/awt/Graphics2D drawString(Ljava/lang/String;II)V
java/awt/Graphics2D drawString(Ljava/lang/String;FF)V
java/awt/Graphics2D drawString(Ljava/text/AttributedCharacterIterator;II)V
java/awt/Graphics2D drawString(Ljava/text/AttributedCharacterIterator;FF)V
java/awt/Graphics2D drawGlyphVector(Ljava/awt/font/GlyphVector;FF)V
java/awt/Graphics2D fill(Ljava/awt/Shape;)V
java/awt/Graphics2D hit(Ljava/awt/Rectangle;Ljava/awt/Shape;Z)Z
java/awt/Graphics2D getDeviceConfiguration()Ljava/awt/GraphicsConfiguration;
java/awt/Graphics2D setComposite(Ljava/awt/Composite;)V
java/awt/Graphics2D
setPaint(Ljava/awt/Paint;)V
java/awt/Graphics2D setStroke(Ljava/awt/Stroke;)V
java/awt/Graphics2D setRenderingHint(Ljava/awt/RenderingHints$Key;Ljava/lang/Object;)V
java/awt/Graphics2D getRenderingHint(Ljava/awt/RenderingHints$Key;)Ljava/lang/Object;
java/awt/Graphics2D setRenderingHints(Ljava/util/Map;)V
java/awt/Graphics2D addRenderingHints(Ljava/util/Map;)V
java/awt/Graphics2D getRenderingHints()Ljava/awt/RenderingHints;
java/awt/Graphics2D translate(II)V
java/awt/Graphics2D translate(DD)V
java/awt/Graphics2D rotate(D)V
java/awt/Graphics2D rotate(DDD)V
java/awt/Graphics2D scale(DD)V
java/awt/Graphics2D shear(DD)V
java/awt/Graphics2D transform(Ljava/awt/geom/AffineTransform;)V
java/awt/Graphics2D setTransform(Ljava/awt/geom/AffineTransform;)V
java/awt/Graphics2D getTransform()Ljava/awt/geom/AffineTransform;
java/awt/Graphics2D getPaint()Ljava/awt/Paint;
java/awt/Graphics2D getComposite()Ljava/awt/Composite;
java/awt/Graphics2D setBackground(Ljava/awt/Color;)V
java/awt/Graphics2D

getBackground()Ljava/awt/Color;
java/awt/Graphics2D getStroke()Ljava/awt/Stroke;
java/awt/Graphics2D clip(Ljava/awt/Shape;)V
java/awt/Graphics2D getFontRenderContext()Ljava/awt/font/FontRenderContext;
class java/awt/Graphics java/lang/Object
java/awt/Graphics <init>()V
java/awt/Graphics create()Ljava/awt/Graphics;
java/awt/Graphics create(IIII)Ljava/awt/Graphics;
java/awt/Graphics translate(II)V
java/awt/Graphics getColor()Ljava/awt/Color;
java/awt/Graphics setColor(Ljava/awt/Color;)V
java/awt/Graphics setPaintMode()V
java/awt/Graphics setXORMode(Ljava/awt/Color;)V
java/awt/Graphics getFont()Ljava/awt/Font;
java/awt/Graphics setFont(Ljava/awt/Font;)V
java/awt/Graphics getFontMetrics()Ljava/awt/FontMetrics;
java/awt/Graphics getFontMetrics(Ljava/awt/Font;)Ljava/awt/FontMetrics;
java/awt/Graphics getClipBounds()Ljava/awt/Rectangle;
java/awt/Graphics clipRect(IIII)V
java/awt/Graphics setClip(IIII)V
java/awt/Graphics getClip()Ljava/awt/Shape;
java/awt/Graphics setClip(Ljava/awt/Shape;)V
java/awt/Graphics
copyArea(IIIIII)V
java/awt/Graphics drawLine(IIII)V
java/awt/Graphics fillRect(IIII)V
java/awt/Graphics drawRect(IIII)V
java/awt/Graphics clearRect(IIII)V
java/awt/Graphics drawRoundRect(IIIIII)V
java/awt/Graphics fillRoundRect(IIIIII)V
java/awt/Graphics draw3DRect(IIIIZ)V
java/awt/Graphics fill3DRect(IIIIZ)V
java/awt/Graphics drawOval(IIII)V
java/awt/Graphics fillOval(IIII)V
java/awt/Graphics drawArc(IIIIII)V
java/awt/Graphics fillArc(IIIIII)V
java/awt/Graphics drawPolyline([I[II)V
java/awt/Graphics drawPolygon([I[II)V
java/awt/Graphics drawPolygon(Ljava/awt/Polygon;)V
java/awt/Graphics fillPolygon([I[II)V
java/awt/Graphics fillPolygon(Ljava/awt/Polygon;)V
java/awt/Graphics drawString(Ljava/lang/String;II)V
java/awt/Graphics drawString(Ljava/text/AttributedCharacterIterator;II)V
java/awt/Graphics drawChars([CIIII)V
java/awt/Graphics drawBytes([BIIII)V
java/awt/Graphics drawImage(Ljava/awt/Image;IILjava/awt/image/ImageObserver;)Z
java/awt/Graphics drawImage(Ljava/awt/Image;IIIILjava/awt/image/ImageObserver;)Z
java/awt/Graphics

drawImage(Ljava/awt/Image;IILjava/awt/Color;Ljava/awt/image/ImageObserver;)Z
java/awt/Graphics drawImage(Ljava/awt/Image;IIIILjava/awt/Color;Ljava/awt/image/ImageObserver;)Z
java/awt/Graphics drawImage(Ljava/awt/Image;IIIIIIIILjava/awt/image/ImageObserver;)Z
java/awt/Graphics drawImage(Ljava/awt/Image;IIIIIIIILjava/awt/Color;Ljava/awt/image/ImageObserver;)Z
java/awt/Graphics dispose()V
java/awt/Graphics finalize()V
java/awt/Graphics toString()Ljava/lang/String;
java/awt/Graphics getClipRect()Ljava/awt/Rectangle;
java/awt/Graphics hitClip(IIII)Z
java/awt/Graphics getClipBounds(Ljava/awt/Rectangle;)Ljava/awt/Rectangle;
class java/awt/image/BufferedImage java/awt/Image
java/awt/image/BufferedImage imageType
java/awt/image/BufferedImage colorModel
java/awt/image/BufferedImage raster
java/awt/image/BufferedImage osis
java/awt/image/BufferedImage properties
java/awt/image/BufferedImage isAlphaPremultiplied
java/awt/image/BufferedImage
surfaceManager
java/awt/image/BufferedImage TYPE_CUSTOM
java/awt/image/BufferedImage TYPE_INT_RGB
java/awt/image/BufferedImage TYPE_INT_ARGB
java/awt/image/BufferedImage TYPE_INT_ARGB_PRE
java/awt/image/BufferedImage TYPE_INT_BGR
java/awt/image/BufferedImage TYPE_3BYTE_BGR
java/awt/image/BufferedImage TYPE_4BYTE_ABGR
java/awt/image/BufferedImage TYPE_4BYTE_ABGR_PRE
java/awt/image/BufferedImage TYPE_USHORT_565_RGB
java/awt/image/BufferedImage TYPE_USHORT_555_RGB
java/awt/image/BufferedImage TYPE_BYTE_GRAY
java/awt/image/BufferedImage TYPE_USHORT_GRAY
java/awt/image/BufferedImage TYPE_BYTE_BINARY
java/awt/image/BufferedImage TYPE_BYTE_INDEXED
java/awt/image/BufferedImage DCM_RED_MASK
java/awt/image/BufferedImage DCM_GREEN_MASK
java/awt/image/BufferedImage DCM_BLUE_MASK
java/awt/image/BufferedImage DCM_ALPHA_MASK
java/awt/image/BufferedImage DCM_565_RED_MASK
java/awt/image/BufferedImage DCM_565_GRN_MASK
java/awt/image/BufferedImage DCM_565_BLU_MASK
java/awt/image/BufferedImage DCM_555_RED_MASK
java/awt/image/BufferedImage
DCM_555_GRN_MASK
java/awt/image/BufferedImage DCM_555_BLU_MASK
java/awt/image/BufferedImage DCM_BGR_RED_MASK
java/awt/image/BufferedImage DCM_BGR_GRN_MASK
java/awt/image/BufferedImage DCM_BGR_BLU_MASK
java/awt/image/BufferedImage initIDs()V

java/awt/image/BufferedImage <init>(III)V
java/awt/image/BufferedImage <init>(IIILjava/awt/image/IndexColorModel;)V
java/awt/image/BufferedImage
<init>(Ljava/awt/image/ColorModel;Ljava/awt/image/WritableRaster;ZLjava/util/Hashtable;)V
java/awt/image/BufferedImage getType()I
java/awt/image/BufferedImage getColorModel()Ljava/awt/image/ColorModel;
java/awt/image/BufferedImage getRaster()Ljava/awt/image/WritableRaster;
java/awt/image/BufferedImage getAlphaRaster()Ljava/awt/image/WritableRaster;
java/awt/image/BufferedImage getRGB(II)I
java/awt/image/BufferedImage getRGB(IIII[III)[I
java/awt/image/BufferedImage setRGB(III)V
java/awt/image/BufferedImage setRGB(IIII[III)V
java/awt/image/BufferedImage getWidth()I
java/awt/image/BufferedImage
getHeight()I
java/awt/image/BufferedImage getWidth(Ljava/awt/image/ImageObserver;)I
java/awt/image/BufferedImage getHeight(Ljava/awt/image/ImageObserver;)I
java/awt/image/BufferedImage getSource()Ljava/awt/image/ImageProducer;
java/awt/image/BufferedImage getProperty(Ljava/lang/String;Ljava/awt/image/ImageObserver;)Ljava/lang/Object;
java/awt/image/BufferedImage getProperty(Ljava/lang/String;)Ljava/lang/Object;
java/awt/image/BufferedImage flush()V
java/awt/image/BufferedImage getGraphics()Ljava/awt/Graphics;
java/awt/image/BufferedImage createGraphics()Ljava/awt/Graphics2D;
java/awt/image/BufferedImage getSubimage(IIII)Ljava/awt/image/BufferedImage;
java/awt/image/BufferedImage isAlphaPremultiplied()Z
java/awt/image/BufferedImage coerceData(Z)V
java/awt/image/BufferedImage toString()Ljava/lang/String;
java/awt/image/BufferedImage getSources()Ljava/util/Vector;
java/awt/image/BufferedImage getPropertyNames()[Ljava/lang/String;
java/awt/image/BufferedImage getMinX()I
java/awt/image/BufferedImage
getMinY()I
java/awt/image/BufferedImage getSampleModel()Ljava/awt/image/SampleModel;
java/awt/image/BufferedImage getNumXTiles()I
java/awt/image/BufferedImage getNumYTiles()I
java/awt/image/BufferedImage getMinTileX()I
java/awt/image/BufferedImage getMinTileY()I
java/awt/image/BufferedImage getTileWidth()I
java/awt/image/BufferedImage getTileHeight()I
java/awt/image/BufferedImage getTileGridXOffset()I
java/awt/image/BufferedImage getTileGridYOffset()I
java/awt/image/BufferedImage getTile(II)Ljava/awt/image/Raster;
java/awt/image/BufferedImage getData()Ljava/awt/image/Raster;
java/awt/image/BufferedImage getData(Ljava/awt/Rectangle;)Ljava/awt/image/Raster;
java/awt/image/BufferedImage copyData(Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/BufferedImage setData(Ljava/awt/image/Raster;)V
java/awt/image/BufferedImage addTileObserver(Ljava/awt/image/TileObserver;)V
java/awt/image/BufferedImage removeTileObserver(Ljava/awt/image/TileObserver;)V

java/awt/image/BufferedImage
isTileWritable(II)Z
java/awt/image/BufferedImage getWritableTileIndices()[Ljava/awt/Point;
java/awt/image/BufferedImage hasTileWriters()Z
java/awt/image/BufferedImage getWritableTile(II)Ljava/awt/image/WritableRaster;
java/awt/image/BufferedImage releaseWritableTile(II)V
java/awt/image/BufferedImage getTransparency()I
java/awt/image/BufferedImage getCapabilities(Ljava/awt/GraphicsConfiguration;)Ljava/awt/ImageCapabilities;
java/awt/image/BufferedImage <clinit>()V
class java/awt/image/WritableRenderedImage java/lang/Object
java/awt/image/WritableRenderedImage addTileObserver(Ljava/awt/image/TileObserver;)V
java/awt/image/WritableRenderedImage removeTileObserver(Ljava/awt/image/TileObserver;)V
java/awt/image/WritableRenderedImage getWritableTile(II)Ljava/awt/image/WritableRaster;
java/awt/image/WritableRenderedImage releaseWritableTile(II)V
java/awt/image/WritableRenderedImage isTileWritable(II)Z
java/awt/image/WritableRenderedImage getWritableTileIndices()[Ljava/awt/Point;
java/awt/image/WritableRenderedImage
hasTileWriters()Z
java/awt/image/WritableRenderedImage setData(Ljava/awt/image/Raster;)V
class java/awt/image/RenderedImage java/lang/Object
java/awt/image/RenderedImage getSources()Ljava/util/Vector;
java/awt/image/RenderedImage getProperty(Ljava/lang/String;)Ljava/lang/Object;
java/awt/image/RenderedImage getPropertyNames()[Ljava/lang/String;
java/awt/image/RenderedImage getColorModel()Ljava/awt/image/ColorModel;
java/awt/image/RenderedImage getSampleModel()Ljava/awt/image/SampleModel;
java/awt/image/RenderedImage getWidth()I
java/awt/image/RenderedImage getHeight()I
java/awt/image/RenderedImage getMinX()I
java/awt/image/RenderedImage getMinY()I
java/awt/image/RenderedImage getNumXTiles()I
java/awt/image/RenderedImage getNumYTiles()I
java/awt/image/RenderedImage getMinTileX()I
java/awt/image/RenderedImage getMinTileY()I
java/awt/image/RenderedImage getTileWidth()I
java/awt/image/RenderedImage getTileHeight()I
java/awt/image/RenderedImage
getTileGridXOffset()I
java/awt/image/RenderedImage getTileGridYOffset()I
java/awt/image/RenderedImage getTile(II)Ljava/awt/image/Raster;
java/awt/image/RenderedImage getData()Ljava/awt/image/Raster;
java/awt/image/RenderedImage getData(Ljava/awt/Rectangle;)Ljava/awt/image/Raster;
java/awt/image/RenderedImage copyData(Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
class java/awt/ImageCapabilities java/lang/Object
java/awt/ImageCapabilities accelerated
java/awt/ImageCapabilities <init>(Z)V
java/awt/ImageCapabilities isAccelerated()Z
java/awt/ImageCapabilities isTrueVolatile()Z
java/awt/ImageCapabilities clone()Ljava/lang/Object;

class java/awt/image/VolatileImage java/awt/Image
java/awt/image/VolatileImage IMAGE_OK
java/awt/image/VolatileImage IMAGE_RESTORED
java/awt/image/VolatileImage IMAGE_INCOMPATIBLE
java/awt/image/VolatileImage transparency
java/awt/image/VolatileImage <init>()V
java/awt/image/VolatileImage getSnapshot()Ljava/awt/image/BufferedImage;
java/awt/image/VolatileImage
 getWidth()I
java/awt/image/VolatileImage getHeight()I
java/awt/image/VolatileImage getSource()Ljava/awt/image/ImageProducer;
java/awt/image/VolatileImage flush()V
java/awt/image/VolatileImage getGraphics()Ljava/awt/Graphics;
java/awt/image/VolatileImage createGraphics()Ljava/awt/Graphics2D;
java/awt/image/VolatileImage validate(Ljava/awt/GraphicsConfiguration;)I
java/awt/image/VolatileImage contentsLost()Z
java/awt/image/VolatileImage getCapabilities()Ljava/awt/ImageCapabilities;
java/awt/image/VolatileImage getTransparency()I
class java/awt/Image java/lang/Object
java/awt/Image defaultImageCaps
java/awt/Image accelerationPriority
java/awt/Image UndefinedProperty
java/awt/Image SCALE_DEFAULT
java/awt/Image SCALE_FAST
java/awt/Image SCALE_SMOOTH
java/awt/Image SCALE_REPLICATE
java/awt/Image SCALE_AREA_AVERAGING
java/awt/Image <init>()V
java/awt/Image getWidth(Ljava/awt/image/ImageObserver;)I
java/awt/Image getHeight(Ljava/awt/image/ImageObserver;)I
java/awt/Image
 getSource()Ljava/awt/image/ImageProducer;
java/awt/Image getGraphics()Ljava/awt/Graphics;
java/awt/Image getProperty(Ljava/lang/String;Ljava/awt/image/ImageObserver;)Ljava/lang/Object;
java/awt/Image getScaledInstance(III)Ljava/awt/Image;
java/awt/Image flush()V
java/awt/Image getCapabilities(Ljava/awt/GraphicsConfiguration;)Ljava/awt/ImageCapabilities;
java/awt/Image setAccelerationPriority(F)V
java/awt/Image getAccelerationPriority()F
java/awt/Image <clinit>()V
class java/awt/image/IndexColorModel java/awt/image/ColorModel
java/awt/image/IndexColorModel rgb
java/awt/image/IndexColorModel map_size
java/awt/image/IndexColorModel transparent_index
java/awt/image/IndexColorModel allgrayopaque
java/awt/image/IndexColorModel validBits
java/awt/image/IndexColorModel opaqueBits
java/awt/image/IndexColorModel alphaBits

java/awt/image/IndexColorModel CACHESIZE
java/awt/image/IndexColorModel lookupcache
java/awt/image/IndexColorModel initIDs()V
java/awt/image/IndexColorModel <init>(II[B[B[B)V
java/awt/image/IndexColorModel
<init>(II[B[B[BI)V
java/awt/image/IndexColorModel <init>(II[B[B[B[B)V
java/awt/image/IndexColorModel <init>(II[BIZ)V
java/awt/image/IndexColorModel <init>(II[BIZI)V
java/awt/image/IndexColorModel <init>(II[IIZII)V
java/awt/image/IndexColorModel <init>(II[IIILjava/math/BigInteger;)V
java/awt/image/IndexColorModel setRGBs(I[B[B[B[B)V
java/awt/image/IndexColorModel setRGBs(I[IIZ)V
java/awt/image/IndexColorModel calcRealMapSize(II)I
java/awt/image/IndexColorModel getAllValid()Ljava/math/BigInteger;
java/awt/image/IndexColorModel getTransparency()I
java/awt/image/IndexColorModel getComponentSize()[I
java/awt/image/IndexColorModel getMapSize()I
java/awt/image/IndexColorModel getTransparentPixel()I
java/awt/image/IndexColorModel getReds([B)V
java/awt/image/IndexColorModel getGreens([B)V
java/awt/image/IndexColorModel getBlues([B)V
java/awt/image/IndexColorModel getAlphas([B)V
java/awt/image/IndexColorModel getRGBs([I)V
java/awt/image/IndexColorModel
setTransparentPixel(I)V
java/awt/image/IndexColorModel setTransparency(I)V
java/awt/image/IndexColorModel getRed(I)I
java/awt/image/IndexColorModel getGreen(I)I
java/awt/image/IndexColorModel getBlue(I)I
java/awt/image/IndexColorModel getAlpha(I)I
java/awt/image/IndexColorModel getRGB(I)I
java/awt/image/IndexColorModel getDataElements(ILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/IndexColorModel installpixel(Ljava/lang/Object;I)Ljava/lang/Object;
java/awt/image/IndexColorModel getComponents(I[II)[I
java/awt/image/IndexColorModel getComponents(Ljava/lang/Object;[II)[I
java/awt/image/IndexColorModel getDataElement([II)I
java/awt/image/IndexColorModel getDataElements([IILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/IndexColorModel createCompatibleWritableRaster(II)Ljava/awt/image/WritableRaster;
java/awt/image/IndexColorModel isCompatibleRaster(Ljava/awt/image/Raster;)Z
java/awt/image/IndexColorModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/IndexColorModel
isCompatibleSampleModel(Ljava/awt/image/SampleModel;)Z
java/awt/image/IndexColorModel convertToIntDiscrete(Ljava/awt/image/Raster;Z)Ljava/awt/image/BufferedImage;
java/awt/image/IndexColorModel isValid(I)Z
java/awt/image/IndexColorModel isValid()Z
java/awt/image/IndexColorModel getValidPixels()Ljava/math/BigInteger;
java/awt/image/IndexColorModel finalize()V

java/awt/image/IndexColorModel toString()Ljava/lang/String;
java/awt/image/IndexColorModel <clinit>()V
class java/awt/color/ICC_ColorSpace java/awt/color/ColorSpace
java/awt/color/ICC_ColorSpace serialVersionUID
java/awt/color/ICC_ColorSpace thisProfile
java/awt/color/ICC_ColorSpace minVal
java/awt/color/ICC_ColorSpace maxVal
java/awt/color/ICC_ColorSpace diffMinMax
java/awt/color/ICC_ColorSpace invDiffMinMax
java/awt/color/ICC_ColorSpace needScaleInit
java/awt/color/ICC_ColorSpace this2srgb
java/awt/color/ICC_ColorSpace srgb2this
java/awt/color/ICC_ColorSpace this2xyz
java/awt/color/ICC_ColorSpace xyz2this
java/awt/color/ICC_ColorSpace
<init>(Ljava/awt/color/ICC_Profile;)V
java/awt/color/ICC_ColorSpace getProfile()Ljava/awt/color/ICC_Profile;
java/awt/color/ICC_ColorSpace toRGB([F)[F
java/awt/color/ICC_ColorSpace fromRGB([F)[F
java/awt/color/ICC_ColorSpace toCIEXYZ([F)[F
java/awt/color/ICC_ColorSpace fromCIEXYZ([F)[F
java/awt/color/ICC_ColorSpace getMinValue(I)F
java/awt/color/ICC_ColorSpace getMaxValue(I)F
java/awt/color/ICC_ColorSpace setMinMax()V
java/awt/color/ICC_ColorSpace setComponentScaling()V
class java/awt/color/ICC_Profile$1 java/lang/Object
java/awt/color/ICC_Profile$1 this$0
java/awt/color/ICC_Profile$1 <init>(Ljava/awt/color/ICC_Profile;)V
java/awt/color/ICC_Profile$1 activate()V
class java/awt/color/ICC_ProfileRGB java/awt/color/ICC_Profile
java/awt/color/ICC_ProfileRGB REDCOMPONENT
java/awt/color/ICC_ProfileRGB GREENCOMPONENT
java/awt/color/ICC_ProfileRGB BLUECOMPONENT
java/awt/color/ICC_ProfileRGB <init>(J)V
java/awt/color/ICC_ProfileRGB <init>(Lsun/awt/color/ProfileDeferralInfo;)V
java/awt/color/ICC_ProfileRGB
getMediaWhitePoint()[F
java/awt/color/ICC_ProfileRGB getMatrix()[[F
java/awt/color/ICC_ProfileRGB getGamma(I)F
java/awt/color/ICC_ProfileRGB getTRC(I)[S
class java/awt/color/ICC_Profile java/lang/Object
java/awt/color/ICC_Profile serialVersionUID
java/awt/color/ICC_Profile ID
java/awt/color/ICC_Profile deferralInfo
java/awt/color/ICC_Profile profileActivator
java/awt/color/ICC_Profile sRGBprofile
java/awt/color/ICC_Profile XYZprofile
java/awt/color/ICC_Profile PYCCprofile

java/awt/color/ICC_Profile GRAYprofile
java/awt/color/ICC_Profile LINEAR_RGBprofile
java/awt/color/ICC_Profile CLASS_INPUT
java/awt/color/ICC_Profile CLASS_DISPLAY
java/awt/color/ICC_Profile CLASS_OUTPUT
java/awt/color/ICC_Profile CLASS_DEVICELINK
java/awt/color/ICC_Profile CLASS_COLORSPACECONVERSION
java/awt/color/ICC_Profile CLASS_ABSTRACT
java/awt/color/ICC_Profile CLASS_NAMEDCOLOR
java/awt/color/ICC_Profile icSigXYZData
java/awt/color/ICC_Profile icSigLabData
java/awt/color/ICC_Profile
icSigLuvData
java/awt/color/ICC_Profile icSigYCbCrData
java/awt/color/ICC_Profile icSigYxyData
java/awt/color/ICC_Profile icSigRgbData
java/awt/color/ICC_Profile icSigGrayData
java/awt/color/ICC_Profile icSigHsvData
java/awt/color/ICC_Profile icSigHlsData
java/awt/color/ICC_Profile icSigCmykData
java/awt/color/ICC_Profile icSigCmyData
java/awt/color/ICC_Profile icSigSpace2CLR
java/awt/color/ICC_Profile icSigSpace3CLR
java/awt/color/ICC_Profile icSigSpace4CLR
java/awt/color/ICC_Profile icSigSpace5CLR
java/awt/color/ICC_Profile icSigSpace6CLR
java/awt/color/ICC_Profile icSigSpace7CLR
java/awt/color/ICC_Profile icSigSpace8CLR
java/awt/color/ICC_Profile icSigSpace9CLR
java/awt/color/ICC_Profile icSigSpaceACLR
java/awt/color/ICC_Profile icSigSpaceBCLR
java/awt/color/ICC_Profile icSigSpaceCCLR
java/awt/color/ICC_Profile icSigSpaceDCLR
java/awt/color/ICC_Profile icSigSpaceECLR
java/awt/color/ICC_Profile icSigSpaceFCLR
java/awt/color/ICC_Profile icSigInputClass
java/awt/color/ICC_Profile
icSigDisplayClass
java/awt/color/ICC_Profile icSigOutputClass
java/awt/color/ICC_Profile icSigLinkClass
java/awt/color/ICC_Profile icSigAbstractClass
java/awt/color/ICC_Profile icSigColorSpaceClass
java/awt/color/ICC_Profile icSigNamedColorClass
java/awt/color/ICC_Profile icPerceptual
java/awt/color/ICC_Profile icRelativeColorimetric
java/awt/color/ICC_Profile icMediaRelativeColorimetric
java/awt/color/ICC_Profile icSaturation
java/awt/color/ICC_Profile icAbsoluteColorimetric

java/awt/color/ICC_Profile icICCAbsoluteColorimetric
java/awt/color/ICC_Profile icSigHead
java/awt/color/ICC_Profile icSigAToB0Tag
java/awt/color/ICC_Profile icSigAToB1Tag
java/awt/color/ICC_Profile icSigAToB2Tag
java/awt/color/ICC_Profile icSigBlueColorantTag
java/awt/color/ICC_Profile icSigBlueMatrixColumnTag
java/awt/color/ICC_Profile icSigBlueTRCTag
java/awt/color/ICC_Profile icSigBToA0Tag
java/awt/color/ICC_Profile icSigBToA1Tag
java/awt/color/ICC_Profile icSigBToA2Tag
java/awt/color/ICC_Profile icSigCalibrationDateTimeTag
java/awt/color/ICC_Profile
icSigCharTargetTag
java/awt/color/ICC_Profile icSigCopyrightTag
java/awt/color/ICC_Profile icSigCrdInfoTag
java/awt/color/ICC_Profile icSigDeviceMfgDescTag
java/awt/color/ICC_Profile icSigDeviceModelDescTag
java/awt/color/ICC_Profile icSigDeviceSettingsTag
java/awt/color/ICC_Profile icSigGamutTag
java/awt/color/ICC_Profile icSigGrayTRCTag
java/awt/color/ICC_Profile icSigGreenColorantTag
java/awt/color/ICC_Profile icSigGreenMatrixColumnTag
java/awt/color/ICC_Profile icSigGreenTRCTag
java/awt/color/ICC_Profile icSigLuminanceTag
java/awt/color/ICC_Profile icSigMeasurementTag
java/awt/color/ICC_Profile icSigMediaBlackPointTag
java/awt/color/ICC_Profile icSigMediaWhitePointTag
java/awt/color/ICC_Profile icSigNamedColor2Tag
java/awt/color/ICC_Profile icSigOutputResponseTag
java/awt/color/ICC_Profile icSigPreview0Tag
java/awt/color/ICC_Profile icSigPreview1Tag
java/awt/color/ICC_Profile icSigPreview2Tag
java/awt/color/ICC_Profile icSigProfileDescriptionTag
java/awt/color/ICC_Profile
icSigProfileSequenceDescTag
java/awt/color/ICC_Profile icSigPs2CRD0Tag
java/awt/color/ICC_Profile icSigPs2CRD1Tag
java/awt/color/ICC_Profile icSigPs2CRD2Tag
java/awt/color/ICC_Profile icSigPs2CRD3Tag
java/awt/color/ICC_Profile icSigPs2CSATag
java/awt/color/ICC_Profile icSigPs2RenderingIntentTag
java/awt/color/ICC_Profile icSigRedColorantTag
java/awt/color/ICC_Profile icSigRedMatrixColumnTag
java/awt/color/ICC_Profile icSigRedTRCTag
java/awt/color/ICC_Profile icSigScreeningDescTag
java/awt/color/ICC_Profile icSigScreeningTag
java/awt/color/ICC_Profile icSigTechnologyTag

java/awt/color/ICC_Profile icSigUcrBgTag
java/awt/color/ICC_Profile icSigViewingCondDescTag
java/awt/color/ICC_Profile icSigViewingConditionsTag
java/awt/color/ICC_Profile icSigChromaticityTag
java/awt/color/ICC_Profile icSigChromaticAdaptationTag
java/awt/color/ICC_Profile icSigColorantOrderTag
java/awt/color/ICC_Profile icSigColorantTableTag
java/awt/color/ICC_Profile icHdrSize
java/awt/color/ICC_Profile
icHdrCmmId
java/awt/color/ICC_Profile icHdrVersion
java/awt/color/ICC_Profile icHdrDeviceClass
java/awt/color/ICC_Profile icHdrColorSpace
java/awt/color/ICC_Profile icHdrPcs
java/awt/color/ICC_Profile icHdrDate
java/awt/color/ICC_Profile icHdrMagic
java/awt/color/ICC_Profile icHdrPlatform
java/awt/color/ICC_Profile icHdrFlags
java/awt/color/ICC_Profile icHdrManufacturer
java/awt/color/ICC_Profile icHdrModel
java/awt/color/ICC_Profile icHdrAttributes
java/awt/color/ICC_Profile icHdrRenderingIntent
java/awt/color/ICC_Profile icHdrIlluminant
java/awt/color/ICC_Profile icHdrCreator
java/awt/color/ICC_Profile icHdrProfileID
java/awt/color/ICC_Profile icTagType
java/awt/color/ICC_Profile icTagReserved
java/awt/color/ICC_Profile icCurveCount
java/awt/color/ICC_Profile icCurveData
java/awt/color/ICC_Profile icXYZNumberX
java/awt/color/ICC_Profile iccProfileSerializedDataVersion
java/awt/color/ICC_Profile resolvedDeserializedProfile
java/awt/color/ICC_Profile <init>(J)V
java/awt/color/ICC_Profile
<init>(Lsun/awt/color/ProfileDeferralInfo;)V
java/awt/color/ICC_Profile finalize()V
java/awt/color/ICC_Profile getInstance([B)Ljava/awt/color/ICC_Profile;
java/awt/color/ICC_Profile getInstance(I)Ljava/awt/color/ICC_Profile;
java/awt/color/ICC_Profile getStandardProfile(Ljava/lang/String;)Ljava/awt/color/ICC_Profile;
java/awt/color/ICC_Profile getInstance(Ljava/lang/String;)Ljava/awt/color/ICC_Profile;
java/awt/color/ICC_Profile getInstance(Ljava/io/InputStream;)Ljava/awt/color/ICC_Profile;
java/awt/color/ICC_Profile getProfileDataFromStream(Ljava/io/InputStream;)[B
java/awt/color/ICC_Profile getDeferredInstance(Lsun/awt/color/ProfileDeferralInfo;)Ljava/awt/color/ICC_Profile;
java/awt/color/ICC_Profile activateDeferredProfile()V
java/awt/color/ICC_Profile getMajorVersion()I
java/awt/color/ICC_Profile getMinorVersion()I
java/awt/color/ICC_Profile getProfileClass()I
java/awt/color/ICC_Profile getColorSpaceType()I

java/awt/color/ICC_Profile getColorSpaceType(J)I
java/awt/color/ICC_Profile
getPCSType()I
java/awt/color/ICC_Profile getPCSType(J)I
java/awt/color/ICC_Profile write(Ljava/lang/String;)V
java/awt/color/ICC_Profile write(Ljava/io/OutputStream;)V
java/awt/color/ICC_Profile getData()[B
java/awt/color/ICC_Profile getData(I)[B
java/awt/color/ICC_Profile getData(JI)[B
java/awt/color/ICC_Profile setData(I[B)V
java/awt/color/ICC_Profile setRenderingIntent(I)V
java/awt/color/ICC_Profile getRenderingIntent()I
java/awt/color/ICC_Profile getNumComponents()I
java/awt/color/ICC_Profile getMediaWhitePoint()[F
java/awt/color/ICC_Profile getXYZTag(I)[F
java/awt/color/ICC_Profile getGamma(I)F
java/awt/color/ICC_Profile getTRC(I)[S
java/awt/color/ICC_Profile iccCStoJCS(I)I
java/awt/color/ICC_Profile intFromBigEndian([BI)I
java/awt/color/ICC_Profile intToBigEndian(I[BI)V
java/awt/color/ICC_Profile shortFromBigEndian([BI)S
java/awt/color/ICC_Profile shortToBigEndian(S[BI)V
java/awt/color/ICC_Profile openProfile(Ljava/lang/String;)Ljava/io/FileInputStream;
java/awt/color/ICC_Profile
privilegedOpenProfile(Ljava/lang/String;)Ljava/io/FileInputStream;
java/awt/color/ICC_Profile writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/color/ICC_Profile readObject(Ljava/io/ObjectInputStream;)V
java/awt/color/ICC_Profile readResolve()Ljava/lang/Object;
java/awt/color/ICC_Profile access$000(Ljava/lang/String;)Ljava/io/FileInputStream;
class java/awt/color/ColorSpace java/lang/Object
java/awt/color/ColorSpace serialVersionUID
java/awt/color/ColorSpace type
java/awt/color/ColorSpace numComponents
java/awt/color/ColorSpace sRGBspace
java/awt/color/ColorSpace XYZspace
java/awt/color/ColorSpace PYCCspace
java/awt/color/ColorSpace GRAYspace
java/awt/color/ColorSpace LINEAR_RGBspace
java/awt/color/ColorSpace TYPE_XYZ
java/awt/color/ColorSpace TYPE_Lab
java/awt/color/ColorSpace TYPE_Luv
java/awt/color/ColorSpace TYPE_YCbCr
java/awt/color/ColorSpace TYPE_Yxy
java/awt/color/ColorSpace TYPE_RGB
java/awt/color/ColorSpace TYPE_GRAY
java/awt/color/ColorSpace
TYPE_HSV
java/awt/color/ColorSpace TYPE_HLS

java/awt/color/ColorSpace TYPE_CMYK
java/awt/color/ColorSpace TYPE_CMY
java/awt/color/ColorSpace TYPE_2CLR
java/awt/color/ColorSpace TYPE_3CLR
java/awt/color/ColorSpace TYPE_4CLR
java/awt/color/ColorSpace TYPE_5CLR
java/awt/color/ColorSpace TYPE_6CLR
java/awt/color/ColorSpace TYPE_7CLR
java/awt/color/ColorSpace TYPE_8CLR
java/awt/color/ColorSpace TYPE_9CLR
java/awt/color/ColorSpace TYPE_ACLR
java/awt/color/ColorSpace TYPE_BCLR
java/awt/color/ColorSpace TYPE_CCLR
java/awt/color/ColorSpace TYPE_DCLR
java/awt/color/ColorSpace TYPE_ECLR
java/awt/color/ColorSpace TYPE_FCLR
java/awt/color/ColorSpace CS_sRGB
java/awt/color/ColorSpace CS_LINEAR_RGB
java/awt/color/ColorSpace CS_CIEXYZ
java/awt/color/ColorSpace CS_PYCC
java/awt/color/ColorSpace CS_GRAY
java/awt/color/ColorSpace <init>(II)V
java/awt/color/ColorSpace getInstance(I)Ljava/awt/color/ColorSpace;
java/awt/color/ColorSpace isCS_sRGB()Z
java/awt/color/ColorSpace toRGB([F)[F
java/awt/color/ColorSpace
fromRGB([F)[F
java/awt/color/ColorSpace toCIEXYZ([F)[F
java/awt/color/ColorSpace fromCIEXYZ([F)[F
java/awt/color/ColorSpace getType()I
java/awt/color/ColorSpace getNumComponents()I
java/awt/color/ColorSpace getName(I)Ljava/lang/String;
java/awt/color/ColorSpace getMinValue(I)F
java/awt/color/ColorSpace getMaxValue(I)F
java/awt/color/ColorSpace isCS_CIEXYZ(Ljava/awt/color/ColorSpace;)Z
class java/awt/image/DirectColorModel java/awt/image/PackedColorModel
java/awt/image/DirectColorModel red_mask
java/awt/image/DirectColorModel green_mask
java/awt/image/DirectColorModel blue_mask
java/awt/image/DirectColorModel alpha_mask
java/awt/image/DirectColorModel red_offset
java/awt/image/DirectColorModel green_offset
java/awt/image/DirectColorModel blue_offset
java/awt/image/DirectColorModel alpha_offset
java/awt/image/DirectColorModel red_scale
java/awt/image/DirectColorModel green_scale
java/awt/image/DirectColorModel blue_scale
java/awt/image/DirectColorModel alpha_scale

java/awt/image/DirectColorModel
is_LinearRGB
java/awt/image/DirectColorModel lRGBprecision
java/awt/image/DirectColorModel tosRGB8LUT
java/awt/image/DirectColorModel fromsRGB8LUT8
java/awt/image/DirectColorModel fromsRGB8LUT16
java/awt/image/DirectColorModel <init>(IIII)V
java/awt/image/DirectColorModel <init>(IIIII)V
java/awt/image/DirectColorModel <init>(Ljava/awt/color/ColorSpace;IIIIIZI)V
java/awt/image/DirectColorModel getRedMask()I
java/awt/image/DirectColorModel getGreenMask()I
java/awt/image/DirectColorModel getBlueMask()I
java/awt/image/DirectColorModel getAlphaMask()I
java/awt/image/DirectColorModel getDefaultRGBComponents(I)[F
java/awt/image/DirectColorModel getsRGBComponentFromsRGB(II)I
java/awt/image/DirectColorModel getsRGBComponentFromLinearRGB(II)I
java/awt/image/DirectColorModel getRed(I)I
java/awt/image/DirectColorModel getGreen(I)I
java/awt/image/DirectColorModel getBlue(I)I
java/awt/image/DirectColorModel getAlpha(I)I
java/awt/image/DirectColorModel getRGB(I)I
java/awt/image/DirectColorModel
getRed(Ljava/lang/Object;)I
java/awt/image/DirectColorModel getGreen(Ljava/lang/Object;)I
java/awt/image/DirectColorModel getBlue(Ljava/lang/Object;)I
java/awt/image/DirectColorModel getAlpha(Ljava/lang/Object;)I
java/awt/image/DirectColorModel getRGB(Ljava/lang/Object;)I
java/awt/image/DirectColorModel getDataElements(ILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/DirectColorModel getComponents(I[II)[I
java/awt/image/DirectColorModel getComponents(Ljava/lang/Object;[II)[I
java/awt/image/DirectColorModel createCompatibleWritableRaster(II)Ljava/awt/image/WritableRaster;
java/awt/image/DirectColorModel getDataElement([II)I
java/awt/image/DirectColorModel getDataElements([IILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/DirectColorModel coerceData(Ljava/awt/image/WritableRaster;Z)Ljava/awt/image/ColorModel;
java/awt/image/DirectColorModel isCompatibleRaster(Ljava/awt/image/Raster;)Z
java/awt/image/DirectColorModel setFields()V
java/awt/image/DirectColorModel toString()Ljava/lang/String;
class
java/awt/image/PackedColorModel java/awt/image/ColorModel
java/awt/image/PackedColorModel maskArray
java/awt/image/PackedColorModel maskOffsets
java/awt/image/PackedColorModel scaleFactors
java/awt/image/PackedColorModel <init>(Ljava/awt/color/ColorSpace;I[IIZII)V
java/awt/image/PackedColorModel <init>(Ljava/awt/color/ColorSpace;IIIIIZII)V
java/awt/image/PackedColorModel getMask(I)I
java/awt/image/PackedColorModel getMasks()[I
java/awt/image/PackedColorModel DecomposeMask(IILjava/lang/String;)V
java/awt/image/PackedColorModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;

java/awt/image/PackedColorModel isCompatibleSampleModel(Ljava/awt/image/SampleModel;)Z
java/awt/image/PackedColorModel
getAlphaRaster(Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/PackedColorModel equals(Ljava/lang/Object;)Z
java/awt/image/PackedColorModel createBitsArray([II)[I
java/awt/image/PackedColorModel createBitsArray(IIII)[I
java/awt/image/PackedColorModel
countBits(I)I
class java/awt/image/ColorModel java/lang/Object
java/awt/image/ColorModel pData
java/awt/image/ColorModel pixel_bits
java/awt/image/ColorModel nBits
java/awt/image/ColorModel transparency
java/awt/image/ColorModel supportsAlpha
java/awt/image/ColorModel isAlphaPremultiplied
java/awt/image/ColorModel numComponents
java/awt/image/ColorModel numColorComponents
java/awt/image/ColorModel colorSpace
java/awt/image/ColorModel colorSpaceType
java/awt/image/ColorModel maxBits
java/awt/image/ColorModel is_sRGB
java/awt/image/ColorModel transferType
java/awt/image/ColorModel loaded
java/awt/image/ColorModel RGBdefault
java/awt/image/ColorModel l8Tos8
java/awt/image/ColorModel s8Tol8
java/awt/image/ColorModel l16Tos8
java/awt/image/ColorModel s8Tol16
java/awt/image/ColorModel g8Tos8Map
java/awt/image/ColorModel lg16Toog8Map
java/awt/image/ColorModel g16Tos8Map
java/awt/image/ColorModel lg16Toog16Map
java/awt/image/ColorModel loadLibraries()V
java/awt/image/ColorModel
initIDs()V
java/awt/image/ColorModel getRGBdefault()Ljava/awt/image/ColorModel;
java/awt/image/ColorModel <init>(I)V
java/awt/image/ColorModel <init>(I[ILjava/awt/color/ColorSpace;ZZII)V
java/awt/image/ColorModel hasAlpha()Z
java/awt/image/ColorModel isAlphaPremultiplied()Z
java/awt/image/ColorModel getTransferType()I
java/awt/image/ColorModel getPixelSize()I
java/awt/image/ColorModel getComponentSize(I)I
java/awt/image/ColorModel getComponentSize()[I
java/awt/image/ColorModel getTransparency()I
java/awt/image/ColorModel getNumComponents()I
java/awt/image/ColorModel getNumColorComponents()I
java/awt/image/ColorModel getRed(I)I

java/awt/image/ColorModel getGreen(I)I
java/awt/image/ColorModel getBlue(I)I
java/awt/image/ColorModel getAlpha(I)I
java/awt/image/ColorModel getRGB(I)I
java/awt/image/ColorModel getRed(Ljava/lang/Object;)I
java/awt/image/ColorModel getGreen(Ljava/lang/Object;)I
java/awt/image/ColorModel getBlue(Ljava/lang/Object;)I
java/awt/image/ColorModel getAlpha(Ljava/lang/Object;)I
java/awt/image/ColorModel
getRGB(Ljava/lang/Object;)I
java/awt/image/ColorModel getDataElements(ILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/ColorModel getComponents(I[II)[I
java/awt/image/ColorModel getComponents(Ljava/lang/Object;[II)[I
java/awt/image/ColorModel getUnnormalizedComponents([FI[II)[I
java/awt/image/ColorModel getNormalizedComponents([II[FI)[F
java/awt/image/ColorModel getDataElement([II)I
java/awt/image/ColorModel getDataElements([IILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/ColorModel getDataElement([FI)I
java/awt/image/ColorModel getDataElements([FILjava/lang/Object;)Ljava/lang/Object;
java/awt/image/ColorModel getNormalizedComponents(Ljava/lang/Object;[FI)[F
java/awt/image/ColorModel equals(Ljava/lang/Object;)Z
java/awt/image/ColorModel hashCode()I
java/awt/image/ColorModel getColorSpace()Ljava/awt/color/ColorSpace;
java/awt/image/ColorModel coerceData(Ljava/awt/image/WritableRaster;Z)Ljava/awt/image/ColorModel;
java/awt/image/ColorModel
isCompatibleRaster(Ljava/awt/image/Raster;)Z
java/awt/image/ColorModel createCompatibleWritableRaster(II)Ljava/awt/image/WritableRaster;
java/awt/image/ColorModel createCompatibleSampleModel(II)Ljava/awt/image/SampleModel;
java/awt/image/ColorModel isCompatibleSampleModel(Ljava/awt/image/SampleModel;)Z
java/awt/image/ColorModel finalize()V
java/awt/image/ColorModel getAlphaRaster(Ljava/awt/image/WritableRaster;)Ljava/awt/image/WritableRaster;
java/awt/image/ColorModel toString()Ljava/lang/String;
java/awt/image/ColorModel getDefaultTransferType(I)I
java/awt/image/ColorModel isLinearRGBspace(Ljava/awt/color/ColorSpace;)Z
java/awt/image/ColorModel isLinearGRAYspace(Ljava/awt/color/ColorSpace;)Z
java/awt/image/ColorModel getLinearRGB8TosRGB8LUT()[B
java/awt/image/ColorModel getsRGB8ToLinearRGB8LUT()[B
java/awt/image/ColorModel getLinearRGB16TosRGB8LUT()[B
java/awt/image/ColorModel getsRGB8ToLinearRGB16LUT()[S
java/awt/image/ColorModel getGray8TosRGB8LUT(Ljava/awt/color/ICC_ColorSpace;)[B
java/awt/image/ColorModel
getLinearGray16ToOtherGray8LUT(Ljava/awt/color/ICC_ColorSpace;)[B
java/awt/image/ColorModel getGray16TosRGB8LUT(Ljava/awt/color/ICC_ColorSpace;)[B
java/awt/image/ColorModel getLinearGray16ToOtherGray16LUT(Ljava/awt/color/ICC_ColorSpace;)[S
java/awt/image/ColorModel <clinit>()V
class java/lang/IllegalStateException java/lang/RuntimeException
java/lang/IllegalStateException serialVersionUID
java/lang/IllegalStateException <init>()V

java/lang/IllegalStateException <init>(Ljava/lang/String;)V
java/lang/IllegalStateException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/IllegalStateException <init>(Ljava/lang/Throwable;)V
class java/awt/Transparency java/lang/Object
java/awt/Transparency OPAQUE
java/awt/Transparency BITMASK
java/awt/Transparency TRANSLUCENT
java/awt/Transparency getTransparency()I
class java/awt/FontMetrics java/lang/Object
java/awt/FontMetrics font
java/awt/FontMetrics serialVersionUID
java/awt/FontMetrics <init>(Ljava/awt/Font;)V
java/awt/FontMetrics
 getFont()Ljava/awt/Font;
java/awt/FontMetrics getLeading()I
java/awt/FontMetrics getAscent()I
java/awt/FontMetrics getDescent()I
java/awt/FontMetrics getHeight()I
java/awt/FontMetrics getMaxAscent()I
java/awt/FontMetrics getMaxDescent()I
java/awt/FontMetrics getMaxDecent()I
java/awt/FontMetrics getMaxAdvance()I
java/awt/FontMetrics charWidth(I)I
java/awt/FontMetrics charWidth(C)I
java/awt/FontMetrics stringWidth(Ljava/lang/String;)I
java/awt/FontMetrics charsWidth([CII)I
java/awt/FontMetrics bytesWidth([BII)I
java/awt/FontMetrics getWidths()[I
java/awt/FontMetrics hasUniformLineMetrics()Z
java/awt/FontMetrics getLineMetrics(Ljava/lang/String;Ljava/awt/Graphics;)Ljava/awt/font/LineMetrics;
java/awt/FontMetrics getLineMetrics(Ljava/lang/String;IILjava/awt/Graphics;)Ljava/awt/font/LineMetrics;
java/awt/FontMetrics getLineMetrics([CIILjava/awt/Graphics;)Ljava/awt/font/LineMetrics;
java/awt/FontMetrics
getLineMetrics(Ljava/text/CharacterIterator;IILjava/awt/Graphics;)Ljava/awt/font/LineMetrics;
java/awt/FontMetrics
 getStringBounds(Ljava/lang/String;Ljava/awt/Graphics;)Ljava/awt/geom/Rectangle2D;
java/awt/FontMetrics getStringBounds(Ljava/lang/String;IILjava/awt/Graphics;)Ljava/awt/geom/Rectangle2D;
java/awt/FontMetrics getStringBounds([CIILjava/awt/Graphics;)Ljava/awt/geom/Rectangle2D;
java/awt/FontMetrics
getStringBounds(Ljava/text/CharacterIterator;IILjava/awt/Graphics;)Ljava/awt/geom/Rectangle2D;
java/awt/FontMetrics getMaxCharBounds(Ljava/awt/Graphics;)Ljava/awt/geom/Rectangle2D;
java/awt/FontMetrics myFRC(Ljava/awt/Graphics;)Ljava/awt/font/FontRenderContext;
java/awt/FontMetrics toString()Ljava/lang/String;
java/awt/FontMetrics initIDs()V
java/awt/FontMetrics <clinit>()V
class java/util/WeakHashMap$Entry java/lang/ref/WeakReference
java/util/WeakHashMap$Entry value
java/util/WeakHashMap$Entry hash

java/util/WeakHashMap$Entry next
java/util/WeakHashMap$Entry
<init>(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/ref/ReferenceQueue;ILjava/util/WeakHashMap$Entry;)V
java/util/WeakHashMap$Entry
 getKey()Ljava/lang/Object;
java/util/WeakHashMap$Entry getValue()Ljava/lang/Object;
java/util/WeakHashMap$Entry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/WeakHashMap$Entry equals(Ljava/lang/Object;)Z
java/util/WeakHashMap$Entry hashCode()I
java/util/WeakHashMap$Entry toString()Ljava/lang/String;
java/util/WeakHashMap$Entry access$000(Ljava/util/WeakHashMap$Entry;)I
java/util/WeakHashMap$Entry access$100(Ljava/util/WeakHashMap$Entry;)Ljava/util/WeakHashMap$Entry;
java/util/WeakHashMap$Entry
access$102(Ljava/util/WeakHashMap$Entry;Ljava/util/WeakHashMap$Entry;)Ljava/util/WeakHashMap$Entry;
java/util/WeakHashMap$Entry access$202(Ljava/util/WeakHashMap$Entry;Ljava/lang/Object;)Ljava/lang/Object;
java/util/WeakHashMap$Entry access$200(Ljava/util/WeakHashMap$Entry;)Ljava/lang/Object;
class java/util/WeakHashMap java/util/AbstractMap
java/util/WeakHashMap DEFAULT_INITIAL_CAPACITY
java/util/WeakHashMap MAXIMUM_CAPACITY
java/util/WeakHashMap
 DEFAULT_LOAD_FACTOR
java/util/WeakHashMap table
java/util/WeakHashMap size
java/util/WeakHashMap threshold
java/util/WeakHashMap loadFactor
java/util/WeakHashMap queue
java/util/WeakHashMap modCount
java/util/WeakHashMap NULL_KEY
java/util/WeakHashMap entrySet
java/util/WeakHashMap <init>(IF)V
java/util/WeakHashMap <init>(I)V
java/util/WeakHashMap <init>()V
java/util/WeakHashMap <init>(Ljava/util/Map;)V
java/util/WeakHashMap maskNull(Ljava/lang/Object;)Ljava/lang/Object;
java/util/WeakHashMap unmaskNull(Ljava/lang/Object;)Ljava/lang/Object;
java/util/WeakHashMap eq(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/WeakHashMap indexFor(II)I
java/util/WeakHashMap expungeStaleEntries()V
java/util/WeakHashMap getTable()[Ljava/util/WeakHashMap$Entry;
java/util/WeakHashMap size()I
java/util/WeakHashMap isEmpty()Z
java/util/WeakHashMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/WeakHashMap containsKey(Ljava/lang/Object;)Z
java/util/WeakHashMap getEntry(Ljava/lang/Object;)Ljava/util/WeakHashMap$Entry;
java/util/WeakHashMap
 put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/WeakHashMap resize(I)V
java/util/WeakHashMap transfer([Ljava/util/WeakHashMap$Entry;[Ljava/util/WeakHashMap$Entry;)V

java/util/WeakHashMap putAll(Ljava/util/Map;)V
java/util/WeakHashMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/WeakHashMap removeMapping(Ljava/lang/Object;)Ljava/util/WeakHashMap$Entry;
java/util/WeakHashMap clear()V
java/util/WeakHashMap containsValue(Ljava/lang/Object;)Z
java/util/WeakHashMap containsNullValue()Z
java/util/WeakHashMap keySet()Ljava/util/Set;
java/util/WeakHashMap values()Ljava/util/Collection;
java/util/WeakHashMap entrySet()Ljava/util/Set;
java/util/WeakHashMap access$300(Ljava/lang/Object;)Ljava/lang/Object;
java/util/WeakHashMap access$400(Ljava/util/WeakHashMap;)I
java/util/WeakHashMap access$500(Ljava/util/WeakHashMap;)[Ljava/util/WeakHashMap$Entry;
java/util/WeakHashMap <clinit>()V
class java/io/FilenameFilter java/lang/Object
java/io/FilenameFilter
 accept(Ljava/io/File;Ljava/lang/String;)Z
class java/awt/Point java/awt/geom/Point2D
java/awt/Point x
java/awt/Point y
java/awt/Point serialVersionUID
java/awt/Point <init>()V
java/awt/Point <init>(Ljava/awt/Point;)V
java/awt/Point <init>(II)V
java/awt/Point getX()D
java/awt/Point getY()D
java/awt/Point getLocation()Ljava/awt/Point;
java/awt/Point setLocation(Ljava/awt/Point;)V
java/awt/Point setLocation(II)V
java/awt/Point setLocation(DD)V
java/awt/Point move(II)V
java/awt/Point translate(II)V
java/awt/Point equals(Ljava/lang/Object;)Z
java/awt/Point toString()Ljava/lang/String;
class java/awt/geom/Point2D java/lang/Object
java/awt/geom/Point2D <init>()V
java/awt/geom/Point2D getX()D
java/awt/geom/Point2D getY()D
java/awt/geom/Point2D setLocation(DD)V
java/awt/geom/Point2D setLocation(Ljava/awt/geom/Point2D;)V
java/awt/geom/Point2D distanceSq(DDDD)D
java/awt/geom/Point2D distance(DDDD)D
java/awt/geom/Point2D distanceSq(DD)D
java/awt/geom/Point2D distanceSq(Ljava/awt/geom/Point2D;)D
java/awt/geom/Point2D
 distance(DD)D
java/awt/geom/Point2D distance(Ljava/awt/geom/Point2D;)D
java/awt/geom/Point2D clone()Ljava/lang/Object;
java/awt/geom/Point2D hashCode()I

java/awt/geom/Point2D equals(Ljava/lang/Object;)Z
class java/awt/Cursor java/lang/Object
java/awt/Cursor DEFAULT_CURSOR
java/awt/Cursor CROSSHAIR_CURSOR
java/awt/Cursor TEXT_CURSOR
java/awt/Cursor WAIT_CURSOR
java/awt/Cursor SW_RESIZE_CURSOR
java/awt/Cursor SE_RESIZE_CURSOR
java/awt/Cursor NW_RESIZE_CURSOR
java/awt/Cursor NE_RESIZE_CURSOR
java/awt/Cursor N_RESIZE_CURSOR
java/awt/Cursor S_RESIZE_CURSOR
java/awt/Cursor W_RESIZE_CURSOR
java/awt/Cursor E_RESIZE_CURSOR
java/awt/Cursor HAND_CURSOR
java/awt/Cursor MOVE_CURSOR
java/awt/Cursor predefined
java/awt/Cursor cursorProperties
java/awt/Cursor type
java/awt/Cursor CUSTOM_CURSOR
java/awt/Cursor systemCustomCursors
java/awt/Cursor systemCustomCursorDirPrefix
java/awt/Cursor systemCustomCursorPropertiesFile
java/awt/Cursor systemCustomCursorProperties
java/awt/Cursor
CursorDotPrefix
java/awt/Cursor DotFileSuffix
java/awt/Cursor DotHotspotSuffix
java/awt/Cursor DotNameSuffix
java/awt/Cursor serialVersionUID
java/awt/Cursor dbg
java/awt/Cursor pData
java/awt/Cursor anchor
java/awt/Cursor disposer
java/awt/Cursor name
java/awt/Cursor initCursorDir()Ljava/lang/String;
java/awt/Cursor initIDs()V
java/awt/Cursor setPData(J)V
java/awt/Cursor getPredefinedCursor(I)Ljava/awt/Cursor;
java/awt/Cursor getSystemCustomCursor(Ljava/lang/String;)Ljava/awt/Cursor;
java/awt/Cursor getDefaultCursor()Ljava/awt/Cursor;
java/awt/Cursor <init>(I)V
java/awt/Cursor <init>(Ljava/lang/String;)V
java/awt/Cursor getType()I
java/awt/Cursor getName()Ljava/lang/String;
java/awt/Cursor toString()Ljava/lang/String;
java/awt/Cursor loadSystemCustomCursorProperties()V
java/awt/Cursor finalizeImpl(J)V

java/awt/Cursor access$000(J)V
java/awt/Cursor access$100()Ljava/lang/String;
java/awt/Cursor access$200()Ljava/lang/String;
java/awt/Cursor access$300()Ljava/util/Properties;
java/awt/Cursor
 <clinit>()V
class java/awt/ComponentOrientation java/lang/Object
java/awt/ComponentOrientation UNK_BIT
java/awt/ComponentOrientation HORIZ_BIT
java/awt/ComponentOrientation LTR_BIT
java/awt/ComponentOrientation LEFT_TO_RIGHT
java/awt/ComponentOrientation RIGHT_TO_LEFT
java/awt/ComponentOrientation UNKNOWN
java/awt/ComponentOrientation orientation
java/awt/ComponentOrientation isHorizontal()Z
java/awt/ComponentOrientation isLeftToRight()Z
java/awt/ComponentOrientation getOrientation(Ljava/util/Locale;)Ljava/awt/ComponentOrientation;
java/awt/ComponentOrientation getOrientation(Ljava/util/ResourceBundle;)Ljava/awt/ComponentOrientation;
java/awt/ComponentOrientation <init>(I)V
java/awt/ComponentOrientation <clinit>()V
class java/awt/Dimension java/awt/geom/Dimension2D
java/awt/Dimension width
java/awt/Dimension height
java/awt/Dimension serialVersionUID
java/awt/Dimension initIDs()V
java/awt/Dimension <init>()V
java/awt/Dimension <init>(Ljava/awt/Dimension;)V
java/awt/Dimension
 <init>(II)V
java/awt/Dimension getWidth()D
java/awt/Dimension getHeight()D
java/awt/Dimension setSize(DD)V
java/awt/Dimension getSize()Ljava/awt/Dimension;
java/awt/Dimension setSize(Ljava/awt/Dimension;)V
java/awt/Dimension setSize(II)V
java/awt/Dimension equals(Ljava/lang/Object;)Z
java/awt/Dimension hashCode()I
java/awt/Dimension toString()Ljava/lang/String;
java/awt/Dimension <clinit>()V
class java/awt/geom/Dimension2D java/lang/Object
java/awt/geom/Dimension2D <init>()V
java/awt/geom/Dimension2D getWidth()D
java/awt/geom/Dimension2D getHeight()D
java/awt/geom/Dimension2D setSize(DD)V
java/awt/geom/Dimension2D setSize(Ljava/awt/geom/Dimension2D;)V
java/awt/geom/Dimension2D clone()Ljava/lang/Object;
class java/awt/LightweightDispatcher java/lang/Object
java/awt/LightweightDispatcher serialVersionUID

java/awt/LightweightDispatcher LWD_MOUSE_DRAGGED_OVER
java/awt/LightweightDispatcher dbg
java/awt/LightweightDispatcher nativeContainer
java/awt/LightweightDispatcher
focus
java/awt/LightweightDispatcher mouseEventTarget
java/awt/LightweightDispatcher targetLastEntered
java/awt/LightweightDispatcher isMouseInNativeContainer
java/awt/LightweightDispatcher nativeCursor
java/awt/LightweightDispatcher eventMask
java/awt/LightweightDispatcher PROXY_EVENT_MASK
java/awt/LightweightDispatcher MOUSE_MASK
java/awt/LightweightDispatcher $assertionsDisabled
java/awt/LightweightDispatcher <init>(Ljava/awt/Container;)V
java/awt/LightweightDispatcher dispose()V
java/awt/LightweightDispatcher enableEvents(J)V
java/awt/LightweightDispatcher dispatchEvent(Ljava/awt/AWTEvent;)Z
java/awt/LightweightDispatcher isMouseGrab(Ljava/awt/event/MouseEvent;)Z
java/awt/LightweightDispatcher processMouseEvent(Ljava/awt/event/MouseEvent;)Z
java/awt/LightweightDispatcher processDropTargetEvent(Lsun/awt/dnd/SunDropTargetEvent;)Z
java/awt/LightweightDispatcher trackMouseEnterExit(Ljava/awt/Component;Ljava/awt/event/MouseEvent;)V
java/awt/LightweightDispatcher startListeningForOtherDrags()V
java/awt/LightweightDispatcher
stopListeningForOtherDrags()V
java/awt/LightweightDispatcher eventDispatched(Ljava/awt/AWTEvent;)V
java/awt/LightweightDispatcher retargetMouseEvent(Ljava/awt/Component;ILjava/awt/event/MouseEvent;)V
java/awt/LightweightDispatcher access$000(Ljava/awt/LightweightDispatcher;)Ljava/awt/Container;
java/awt/LightweightDispatcher
access$100(Ljava/awt/LightweightDispatcher;Ljava/awt/Component;Ljava/awt/event/MouseEvent;)V
java/awt/LightweightDispatcher <clinit>()V
class java/awt/event/AWTEventListener java/lang/Object
java/awt/event/AWTEventListener eventDispatched(Ljava/awt/AWTEvent;)V
class java/awt/LayoutManager java/lang/Object
java/awt/LayoutManager addLayoutComponent(Ljava/lang/String;Ljava/awt/Component;)V
java/awt/LayoutManager removeLayoutComponent(Ljava/awt/Component;)V
java/awt/LayoutManager preferredLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/LayoutManager minimumLayoutSize(Ljava/awt/Container;)Ljava/awt/Dimension;
java/awt/LayoutManager
layoutContainer(Ljava/awt/Container;)V
class java/awt/geom/AffineTransform java/lang/Object
java/awt/geom/AffineTransform TYPE_UNKNOWN
java/awt/geom/AffineTransform TYPE_IDENTITY
java/awt/geom/AffineTransform TYPE_TRANSLATION
java/awt/geom/AffineTransform TYPE_UNIFORM_SCALE
java/awt/geom/AffineTransform TYPE_GENERAL_SCALE
java/awt/geom/AffineTransform TYPE_MASK_SCALE
java/awt/geom/AffineTransform TYPE_FLIP
java/awt/geom/AffineTransform TYPE_QUADRANT_ROTATION

java/awt/geom/AffineTransform TYPE_GENERAL_ROTATION
java/awt/geom/AffineTransform TYPE_MASK_ROTATION
java/awt/geom/AffineTransform TYPE_GENERAL_TRANSFORM
java/awt/geom/AffineTransform APPLY_IDENTITY
java/awt/geom/AffineTransform APPLY_TRANSLATE
java/awt/geom/AffineTransform APPLY_SCALE
java/awt/geom/AffineTransform APPLY_SHEAR
java/awt/geom/AffineTransform HI_SHIFT
java/awt/geom/AffineTransform HI_IDENTITY
java/awt/geom/AffineTransform HI_TRANSLATE
java/awt/geom/AffineTransform HI_SCALE
java/awt/geom/AffineTransform
HI_SHEAR
java/awt/geom/AffineTransform m00
java/awt/geom/AffineTransform m10
java/awt/geom/AffineTransform m01
java/awt/geom/AffineTransform m11
java/awt/geom/AffineTransform m02
java/awt/geom/AffineTransform m12
java/awt/geom/AffineTransform state
java/awt/geom/AffineTransform type
java/awt/geom/AffineTransform rot90conversion
java/awt/geom/AffineTransform <init>(DDDDDDI)V
java/awt/geom/AffineTransform <init>()V
java/awt/geom/AffineTransform <init>(Ljava/awt/geom/AffineTransform;)V
java/awt/geom/AffineTransform <init>(FFFFFF)V
java/awt/geom/AffineTransform <init>([F)V
java/awt/geom/AffineTransform <init>(DDDDDD)V
java/awt/geom/AffineTransform <init>([D)V
java/awt/geom/AffineTransform getTranslateInstance(DD)Ljava/awt/geom/AffineTransform;
java/awt/geom/AffineTransform getRotateInstance(D)Ljava/awt/geom/AffineTransform;
java/awt/geom/AffineTransform getRotateInstance(DDD)Ljava/awt/geom/AffineTransform;
java/awt/geom/AffineTransform getScaleInstance(DD)Ljava/awt/geom/AffineTransform;
java/awt/geom/AffineTransform
getShearInstance(DD)Ljava/awt/geom/AffineTransform;
java/awt/geom/AffineTransform getType()I
java/awt/geom/AffineTransform calculateType()V
java/awt/geom/AffineTransform getDeterminant()D
java/awt/geom/AffineTransform updateState()V
java/awt/geom/AffineTransform stateError()V
java/awt/geom/AffineTransform getMatrix([D)V
java/awt/geom/AffineTransform getScaleX()D
java/awt/geom/AffineTransform getScaleY()D
java/awt/geom/AffineTransform getShearX()D
java/awt/geom/AffineTransform getShearY()D
java/awt/geom/AffineTransform getTranslateX()D
java/awt/geom/AffineTransform getTranslateY()D
java/awt/geom/AffineTransform translate(DD)V

java/awt/geom/AffineTransform rotate(D)V
java/awt/geom/AffineTransform rotate(DDD)V
java/awt/geom/AffineTransform scale(DD)V
java/awt/geom/AffineTransform shear(DD)V
java/awt/geom/AffineTransform setToIdentity()V
java/awt/geom/AffineTransform setToTranslation(DD)V
java/awt/geom/AffineTransform setToRotation(D)V
java/awt/geom/AffineTransform
setToRotation(DDD)V
java/awt/geom/AffineTransform setToScale(DD)V
java/awt/geom/AffineTransform setToShear(DD)V
java/awt/geom/AffineTransform setTransform(Ljava/awt/geom/AffineTransform;)V
java/awt/geom/AffineTransform setTransform(DDDDDD)V
java/awt/geom/AffineTransform concatenate(Ljava/awt/geom/AffineTransform;)V
java/awt/geom/AffineTransform preConcatenate(Ljava/awt/geom/AffineTransform;)V
java/awt/geom/AffineTransform createInverse()Ljava/awt/geom/AffineTransform;
java/awt/geom/AffineTransform
transform(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/geom/AffineTransform transform([Ljava/awt/geom/Point2D;I[Ljava/awt/geom/Point2D;II)V
java/awt/geom/AffineTransform transform([FI[FII)V
java/awt/geom/AffineTransform transform([DI[DII)V
java/awt/geom/AffineTransform transform([FI[DII)V
java/awt/geom/AffineTransform transform([DI[FII)V
java/awt/geom/AffineTransform
inverseTransform(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/geom/AffineTransform
inverseTransform([DI[DII)V
java/awt/geom/AffineTransform
deltaTransform(Ljava/awt/geom/Point2D;Ljava/awt/geom/Point2D;)Ljava/awt/geom/Point2D;
java/awt/geom/AffineTransform deltaTransform([DI[DII)V
java/awt/geom/AffineTransform createTransformedShape(Ljava/awt/Shape;)Ljava/awt/Shape;
java/awt/geom/AffineTransform _matround(D)D
java/awt/geom/AffineTransform toString()Ljava/lang/String;
java/awt/geom/AffineTransform isIdentity()Z
java/awt/geom/AffineTransform clone()Ljava/lang/Object;
java/awt/geom/AffineTransform hashCode()I
java/awt/geom/AffineTransform equals(Ljava/lang/Object;)Z
java/awt/geom/AffineTransform writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/geom/AffineTransform readObject(Ljava/io/ObjectInputStream;)V
java/awt/geom/AffineTransform <clinit>()V
class java/awt/font/TransformAttribute java/lang/Object
java/awt/font/TransformAttribute transform
java/awt/font/TransformAttribute serialVersionUID
java/awt/font/TransformAttribute <init>(Ljava/awt/geom/AffineTransform;)V
java/awt/font/TransformAttribute
getTransform()Ljava/awt/geom/AffineTransform;
java/awt/font/TransformAttribute isIdentity()Z
java/awt/font/TransformAttribute writeObject(Ljava/io/ObjectOutputStream;)V

class java/awt/Font java/lang/Object
java/awt/Font fRequestedAttributes
java/awt/Font EMPTY_MAP
java/awt/Font IDENT_TX_ATTRIBUTE
java/awt/Font PLAIN
java/awt/Font BOLD
java/awt/Font ITALIC
java/awt/Font ROMAN_BASELINE
java/awt/Font CENTER_BASELINE
java/awt/Font HANGING_BASELINE
java/awt/Font TRUETYPE_FONT
java/awt/Font TYPE1_FONT
java/awt/Font name
java/awt/Font style
java/awt/Font size
java/awt/Font pointSize
java/awt/Font peer
java/awt/Font pData
java/awt/Font font2DHandle
java/awt/Font superscript
java/awt/Font width
java/awt/Font createdFont
java/awt/Font matrix
java/awt/Font nonIdentityTx
java/awt/Font identityTx
java/awt/Font serialVersionUID
java/awt/Font cacheRef
java/awt/Font ssinfo
java/awt/Font fontSerializedDataVersion
java/awt/Font cachedMat
java/awt/Font
flmref
java/awt/Font LAYOUT_LEFT_TO_RIGHT
java/awt/Font LAYOUT_RIGHT_TO_LEFT
java/awt/Font LAYOUT_NO_START_CONTEXT
java/awt/Font LAYOUT_NO_LIMIT_CONTEXT
java/awt/Font getPeer()Ljava/awt/peer/FontPeer;
java/awt/Font getPeer_NoClientCode()Ljava/awt/peer/FontPeer;
java/awt/Font getRequestedAttributes()Ljava/util/Hashtable;
java/awt/Font initializeFont(Ljava/util/Hashtable;)V
java/awt/Font getFont2D()Lsun/font/Font2D;
java/awt/Font getFont2DHandleForCreatedFont()Lsun/font/Font2DHandle;
java/awt/Font <init>(Ljava/lang/String;II)V
java/awt/Font <init>(Ljava/lang/String;IF)V
java/awt/Font <init>(Ljava/io/File;IZ)V
java/awt/Font <init>(Ljava/util/Map;ZLsun/font/Font2DHandle;)V
java/awt/Font <init>(Ljava/util/Map;)V
java/awt/Font initFromMap(Ljava/util/Map;)V

java/awt/Font getFont(Ljava/util/Map;)Ljava/awt/Font;
java/awt/Font get(Ljava/awt/Font$Key;)Ljava/awt/Font;
java/awt/Font createFont(ILjava/io/InputStream;)Ljava/awt/Font;
java/awt/Font createFont(ILjava/io/File;)Ljava/awt/Font;
java/awt/Font
getTransform()Ljava/awt/geom/AffineTransform;
java/awt/Font getFamily()Ljava/lang/String;
java/awt/Font getFamily_NoClientCode()Ljava/lang/String;
java/awt/Font getFamily(Ljava/util/Locale;)Ljava/lang/String;
java/awt/Font getPSName()Ljava/lang/String;
java/awt/Font getName()Ljava/lang/String;
java/awt/Font getFontName()Ljava/lang/String;
java/awt/Font getFontName(Ljava/util/Locale;)Ljava/lang/String;
java/awt/Font getStyle()I
java/awt/Font getSize()I
java/awt/Font getSize2D()F
java/awt/Font isPlain()Z
java/awt/Font isBold()Z
java/awt/Font isItalic()Z
java/awt/Font isTransformed()Z
java/awt/Font getFont(Ljava/lang/String;)Ljava/awt/Font;
java/awt/Font decode(Ljava/lang/String;)Ljava/awt/Font;
java/awt/Font getFont(Ljava/lang/String;Ljava/awt/Font;)Ljava/awt/Font;
java/awt/Font hashCode()I
java/awt/Font equals(Ljava/lang/Object;)Z
java/awt/Font toString()Ljava/lang/String;
java/awt/Font writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Font readObject(Ljava/io/ObjectInputStream;)V
java/awt/Font
getNumGlyphs()I
java/awt/Font getMissingGlyphCode()I
java/awt/Font getMatrix()[D
java/awt/Font getBaselineFor(C)B
java/awt/Font getAttributes()Ljava/util/Map;
java/awt/Font getAvailableAttributes()[Ljava/text/AttributedCharacterIterator$Attribute;
java/awt/Font deriveFont(IF)Ljava/awt/Font;
java/awt/Font deriveFont(ILjava/awt/geom/AffineTransform;)Ljava/awt/Font;
java/awt/Font deriveFont(F)Ljava/awt/Font;
java/awt/Font deriveFont(Ljava/awt/geom/AffineTransform;)Ljava/awt/Font;
java/awt/Font deriveFont(I)Ljava/awt/Font;
java/awt/Font deriveFont(Ljava/util/Map;)Ljava/awt/Font;
java/awt/Font canDisplay(C)Z
java/awt/Font canDisplay(I)Z
java/awt/Font canDisplayUpTo(Ljava/lang/String;)I
java/awt/Font canDisplayUpTo([CII)I
java/awt/Font canDisplayUpTo(Ljava/text/CharacterIterator;II)I
java/awt/Font getItalicAngle()F
java/awt/Font hasUniformLineMetrics()Z

java/awt/Font defaultLineMetrics(Ljava/awt/font/FontRenderContext;)Lsun/font/FontLineMetrics;
java/awt/Font getLineMetrics(Ljava/lang/String;Ljava/awt/font/FontRenderContext;)Ljava/awt/font/LineMetrics;
java/awt/Font
getLineMetrics(Ljava/lang/String;IILjava/awt/font/FontRenderContext;)Ljava/awt/font/LineMetrics;
java/awt/Font getLineMetrics([CIILjava/awt/font/FontRenderContext;)Ljava/awt/font/LineMetrics;
java/awt/Font
getLineMetrics(Ljava/text/CharacterIterator;IILjava/awt/font/FontRenderContext;)Ljava/awt/font/LineMetrics;
java/awt/Font
getStringBounds(Ljava/lang/String;Ljava/awt/font/FontRenderContext;)Ljava/awt/geom/Rectangle2D;
java/awt/Font
getStringBounds(Ljava/lang/String;IILjava/awt/font/FontRenderContext;)Ljava/awt/geom/Rectangle2D;
java/awt/Font getStringBounds([CIILjava/awt/font/FontRenderContext;)Ljava/awt/geom/Rectangle2D;
java/awt/Font
getStringBounds(Ljava/text/CharacterIterator;IILjava/awt/font/FontRenderContext;)Ljava/awt/geom/Rectangle2D;
java/awt/Font getMaxCharBounds(Ljava/awt/font/FontRenderContext;)Ljava/awt/geom/Rectangle2D;
java/awt/Font
createGlyphVector(Ljava/awt/font/FontRenderContext;Ljava/lang/String;)Ljava/awt/font/GlyphVector;
java/awt/Font
createGlyphVector(Ljava/awt/font/FontRenderContext;[C)Ljava/awt/font/GlyphVector;
java/awt/Font
createGlyphVector(Ljava/awt/font/FontRenderContext;Ljava/text/CharacterIterator;)Ljava/awt/font/GlyphVector;
java/awt/Font createGlyphVector(Ljava/awt/font/FontRenderContext;[I)Ljava/awt/font/GlyphVector;
java/awt/Font layoutGlyphVector(Ljava/awt/font/FontRenderContext;[CIII)Ljava/awt/font/GlyphVector;
java/awt/Font applyTransform(Ljava/awt/geom/AffineTransform;Ljava/util/Map;)V
java/awt/Font applyStyle(ILjava/util/Map;)V
java/awt/Font applySize(FLjava/util/Map;)V
java/awt/Font initIDs()V
java/awt/Font pDispose()V
java/awt/Font finalize()V
java/awt/Font <clinit>()V
class java/util/EventListener java/lang/Object
class java/awt/dnd/peer/DropTargetPeer java/lang/Object
java/awt/dnd/peer/DropTargetPeer addDropTarget(Ljava/awt/dnd/DropTarget;)V
java/awt/dnd/peer/DropTargetPeer removeDropTarget(Ljava/awt/dnd/DropTarget;)V
class
java/awt/peer/ComponentPeer java/lang/Object
java/awt/peer/ComponentPeer SET_LOCATION
java/awt/peer/ComponentPeer SET_SIZE
java/awt/peer/ComponentPeer SET_BOUNDS
java/awt/peer/ComponentPeer SET_CLIENT_SIZE
java/awt/peer/ComponentPeer RESET_OPERATION
java/awt/peer/ComponentPeer NO_EMBEDDED_CHECK
java/awt/peer/ComponentPeer DEFAULT_OPERATION
java/awt/peer/ComponentPeer isObscured()Z
java/awt/peer/ComponentPeer canDetermineObscurity()Z
java/awt/peer/ComponentPeer setVisible(Z)V
java/awt/peer/ComponentPeer setEnabled(Z)V
java/awt/peer/ComponentPeer paint(Ljava/awt/Graphics;)V

java/awt/peer/ComponentPeer repaint(JIIII)V
java/awt/peer/ComponentPeer print(Ljava/awt/Graphics;)V
java/awt/peer/ComponentPeer setBounds(IIIII)V
java/awt/peer/ComponentPeer handleEvent(Ljava/awt/AWTEvent;)V
java/awt/peer/ComponentPeer coalescePaintEvent(Ljava/awt/event/PaintEvent;)V
java/awt/peer/ComponentPeer getLocationOnScreen()Ljava/awt/Point;
java/awt/peer/ComponentPeer getPreferredSize()Ljava/awt/Dimension;
java/awt/peer/ComponentPeer
getMinimumSize()Ljava/awt/Dimension;
java/awt/peer/ComponentPeer getColorModel()Ljava/awt/image/ColorModel;
java/awt/peer/ComponentPeer getToolkit()Ljava/awt/Toolkit;
java/awt/peer/ComponentPeer getGraphics()Ljava/awt/Graphics;
java/awt/peer/ComponentPeer getFontMetrics(Ljava/awt/Font;)Ljava/awt/FontMetrics;
java/awt/peer/ComponentPeer dispose()V
java/awt/peer/ComponentPeer setForeground(Ljava/awt/Color;)V
java/awt/peer/ComponentPeer setBackground(Ljava/awt/Color;)V
java/awt/peer/ComponentPeer setFont(Ljava/awt/Font;)V
java/awt/peer/ComponentPeer updateCursorImmediately()V
java/awt/peer/ComponentPeer requestFocus(Ljava/awt/Component;ZZJ)Z
java/awt/peer/ComponentPeer isFocusable()Z
java/awt/peer/ComponentPeer createImage(Ljava/awt/image/ImageProducer;)Ljava/awt/Image;
java/awt/peer/ComponentPeer createImage(II)Ljava/awt/Image;
java/awt/peer/ComponentPeer createVolatileImage(II)Ljava/awt/image/VolatileImage;
java/awt/peer/ComponentPeer prepareImage(Ljava/awt/Image;IILjava/awt/image/ImageObserver;)Z
java/awt/peer/ComponentPeer
checkImage(Ljava/awt/Image;IILjava/awt/image/ImageObserver;)I
java/awt/peer/ComponentPeer getGraphicsConfiguration()Ljava/awt/GraphicsConfiguration;
java/awt/peer/ComponentPeer handlesWheelScrolling()Z
java/awt/peer/ComponentPeer createBuffers(ILjava/awt/BufferCapabilities;)V
java/awt/peer/ComponentPeer getBackBuffer()Ljava/awt/Image;
java/awt/peer/ComponentPeer flip(Ljava/awt/BufferCapabilities$FlipContents;)V
java/awt/peer/ComponentPeer destroyBuffers()V
java/awt/peer/ComponentPeer reparent(Ljava/awt/peer/ContainerPeer;)V
java/awt/peer/ComponentPeer isReparentSupported()Z
java/awt/peer/ComponentPeer layout()V
java/awt/peer/ComponentPeer getBounds()Ljava/awt/Rectangle;
java/awt/peer/ComponentPeer preferredSize()Ljava/awt/Dimension;
java/awt/peer/ComponentPeer minimumSize()Ljava/awt/Dimension;
java/awt/peer/ComponentPeer show()V
java/awt/peer/ComponentPeer hide()V
java/awt/peer/ComponentPeer enable()V
java/awt/peer/ComponentPeer
disable()V
java/awt/peer/ComponentPeer reshape(IIII)V
class java/awt/Insets java/lang/Object
java/awt/Insets top
java/awt/Insets left
java/awt/Insets bottom

java/awt/Insets right
java/awt/Insets serialVersionUID
java/awt/Insets <init>(IIII)V
java/awt/Insets set(IIII)V
java/awt/Insets equals(Ljava/lang/Object;)Z
java/awt/Insets hashCode()I
java/awt/Insets toString()Ljava/lang/String;
java/awt/Insets clone()Ljava/lang/Object;
java/awt/Insets initIDs()V
java/awt/Insets <clinit>()V
class java/awt/GraphicsEnvironment$1 java/lang/Object
java/awt/GraphicsEnvironment$1 <init>()V
java/awt/GraphicsEnvironment$1 run()Ljava/lang/Object;
class java/awt/GraphicsEnvironment java/lang/Object
java/awt/GraphicsEnvironment localEnv
java/awt/GraphicsEnvironment headless
java/awt/GraphicsEnvironment defaultHeadless
java/awt/GraphicsEnvironment <init>()V
java/awt/GraphicsEnvironment getLocalGraphicsEnvironment()Ljava/awt/GraphicsEnvironment;
java/awt/GraphicsEnvironment isHeadless()Z
java/awt/GraphicsEnvironment
getHeadlessMessage()Ljava/lang/String;
java/awt/GraphicsEnvironment getHeadlessProperty()Z
java/awt/GraphicsEnvironment checkHeadless()V
java/awt/GraphicsEnvironment isHeadlessInstance()Z
java/awt/GraphicsEnvironment getScreenDevices()[Ljava/awt/GraphicsDevice;
java/awt/GraphicsEnvironment getDefaultScreenDevice()Ljava/awt/GraphicsDevice;
java/awt/GraphicsEnvironment createGraphics(Ljava/awt/image/BufferedImage;)Ljava/awt/Graphics2D;
java/awt/GraphicsEnvironment getAllFonts()[Ljava/awt/Font;
java/awt/GraphicsEnvironment getAvailableFontFamilyNames()[Ljava/lang/String;
java/awt/GraphicsEnvironment getAvailableFontFamilyNames(Ljava/util/Locale;)[Ljava/lang/String;
java/awt/GraphicsEnvironment preferLocaleFonts()V
java/awt/GraphicsEnvironment preferProportionalFonts()V
java/awt/GraphicsEnvironment getCenterPoint()Ljava/awt/Point;
java/awt/GraphicsEnvironment getMaximumWindowBounds()Ljava/awt/Rectangle;
java/awt/GraphicsEnvironment access$002(Ljava/lang/Boolean;)Ljava/lang/Boolean;
java/awt/GraphicsEnvironment
access$102(Ljava/lang/Boolean;)Ljava/lang/Boolean;
class java/awt/Toolkit$1 java/lang/Object
java/awt/Toolkit$1 val$sep
java/awt/Toolkit$1 val$properties
java/awt/Toolkit$1 <init>(Ljava/lang/String;Ljava/util/Properties;)V
java/awt/Toolkit$1 run()Ljava/lang/Object;
class java/net/URLClassLoader$2 java/lang/Object
java/net/URLClassLoader$2 val$name
java/net/URLClassLoader$2 this$0
java/net/URLClassLoader$2 <init>(Ljava/net/URLClassLoader;Ljava/lang/String;)V
java/net/URLClassLoader$2 run()Ljava/lang/Object;

class java/util/ResourceBundle$1 java/lang/Object
java/util/ResourceBundle$1 val$loader
java/util/ResourceBundle$1 val$resName
java/util/ResourceBundle$1 <init>(Ljava/lang/ClassLoader;Ljava/lang/String;)V
java/util/ResourceBundle$1 run()Ljava/lang/Object;
class java/io/FileNotFoundException java/io/IOException
java/io/FileNotFoundException <init>()V
java/io/FileNotFoundException <init>(Ljava/lang/String;)V
java/io/FileNotFoundException
 <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/io/IOException java/lang/Exception
java/io/IOException <init>()V
java/io/IOException <init>(Ljava/lang/String;)V
class java/util/ListResourceBundle java/util/ResourceBundle
java/util/ListResourceBundle lookup
java/util/ListResourceBundle <init>()V
java/util/ListResourceBundle handleGetObject(Ljava/lang/String;)Ljava/lang/Object;
java/util/ListResourceBundle getKeys()Ljava/util/Enumeration;
java/util/ListResourceBundle getContents()[[Ljava/lang/Object;
java/util/ListResourceBundle loadLookup()V
class java/util/ResourceBundle$LoaderReference java/lang/ref/WeakReference
java/util/ResourceBundle$LoaderReference cacheKey
java/util/ResourceBundle$LoaderReference
<init>(Ljava/lang/Object;Ljava/lang/ref/ReferenceQueue;Ljava/util/ResourceBundle$ResourceCacheKey;)V
java/util/ResourceBundle$LoaderReference getCacheKey()Ljava/util/ResourceBundle$ResourceCacheKey;
class java/util/ResourceBundle$ResourceCacheKey java/lang/Object
java/util/ResourceBundle$ResourceCacheKey
 loaderRef
java/util/ResourceBundle$ResourceCacheKey searchName
java/util/ResourceBundle$ResourceCacheKey defaultLocale
java/util/ResourceBundle$ResourceCacheKey hashCodeCache
java/util/ResourceBundle$ResourceCacheKey <init>()V
java/util/ResourceBundle$ResourceCacheKey equals(Ljava/lang/Object;)Z
java/util/ResourceBundle$ResourceCacheKey hashCode()I
java/util/ResourceBundle$ResourceCacheKey clone()Ljava/lang/Object;
java/util/ResourceBundle$ResourceCacheKey
setKeyValues(Ljava/lang/ClassLoader;Ljava/lang/String;Ljava/util/Locale;)V
java/util/ResourceBundle$ResourceCacheKey clear()V
java/util/ResourceBundle$ResourceCacheKey <init>(Ljava/util/ResourceBundle$1;)V
class java/util/ResourceBundle java/lang/Object
java/util/ResourceBundle cacheKey
java/util/ResourceBundle INITIAL_CACHE_SIZE
java/util/ResourceBundle CACHE_LOAD_FACTOR
java/util/ResourceBundle MAX_BUNDLES_SEARCHED
java/util/ResourceBundle underConstruction
java/util/ResourceBundle NOT_FOUND
java/util/ResourceBundle

cacheList
java/util/ResourceBundle referenceQueue
java/util/ResourceBundle parent
java/util/ResourceBundle locale
java/util/ResourceBundle <init>()V
java/util/ResourceBundle getString(Ljava/lang/String;)Ljava/lang/String;
java/util/ResourceBundle getStringArray(Ljava/lang/String;)[Ljava/lang/String;
java/util/ResourceBundle getObject(Ljava/lang/String;)Ljava/lang/Object;
java/util/ResourceBundle getLocale()Ljava/util/Locale;
java/util/ResourceBundle setLocale(Ljava/lang/String;Ljava/lang/String;)V
java/util/ResourceBundle getLoader()Ljava/lang/ClassLoader;
java/util/ResourceBundle getClassContext()[Ljava/lang/Class;
java/util/ResourceBundle setParent(Ljava/util/ResourceBundle;)V
java/util/ResourceBundle getBundle(Ljava/lang/String;)Ljava/util/ResourceBundle;
java/util/ResourceBundle getBundle(Ljava/lang/String;Ljava/util/Locale;)Ljava/util/ResourceBundle;
java/util/ResourceBundle
getBundle(Ljava/lang/String;Ljava/util/Locale;Ljava/lang/ClassLoader;)Ljava/util/ResourceBundle;
java/util/ResourceBundle
getBundleImpl(Ljava/lang/String;Ljava/util/Locale;Ljava/lang/ClassLoader;)Ljava/util/ResourceBundle;
java/util/ResourceBundle
propagate(Ljava/lang/ClassLoader;Ljava/util/Vector;Ljava/util/Vector;Ljava/util/Locale;Ljava/lang/Object;)Ljava/lang/Object;
java/util/ResourceBundle throwMissingResourceException(Ljava/lang/String;Ljava/util/Locale;)V
java/util/ResourceBundle cleanUpConstructionList()V
java/util/ResourceBundle
findBundle(Ljava/lang/ClassLoader;Ljava/lang/String;Ljava/util/Locale;Ljava/lang/String;Ljava/lang/Object;)Ljava/lang/Object;
java/util/ResourceBundle calculateBundleNames(Ljava/lang/String;Ljava/util/Locale;)Ljava/util/Vector;
java/util/ResourceBundle
findBundleInCache(Ljava/lang/ClassLoader;Ljava/lang/String;Ljava/util/Locale;)Ljava/lang/Object;
java/util/ResourceBundle
putBundleInCache(Ljava/lang/ClassLoader;Ljava/lang/String;Ljava/util/Locale;Ljava/lang/Object;)V
java/util/ResourceBundle
loadBundle(Ljava/lang/ClassLoader;Ljava/lang/String;Ljava/util/Locale;)Ljava/lang/Object;
java/util/ResourceBundle
handleGetObject(Ljava/lang/String;)Ljava/lang/Object;
java/util/ResourceBundle getKeys()Ljava/util/Enumeration;
java/util/ResourceBundle access$100()Ljava/lang/ref/ReferenceQueue;
java/util/ResourceBundle <clinit>()V
class java/awt/Toolkit$3 java/lang/Object
java/awt/Toolkit$3 <init>()V
java/awt/Toolkit$3 run()Ljava/lang/Object;
class java/awt/Toolkit java/lang/Object
java/awt/Toolkit lightweightMarker
java/awt/Toolkit toolkit
java/awt/Toolkit atNames
java/awt/Toolkit resources
java/awt/Toolkit loaded

java/awt/Toolkit desktopProperties
java/awt/Toolkit desktopPropsSupport
java/awt/Toolkit dbg
java/awt/Toolkit LONG_BITS
java/awt/Toolkit calls
java/awt/Toolkit enabledOnToolkitMask
java/awt/Toolkit eventListener
java/awt/Toolkit listener2SelectiveListener
java/awt/Toolkit $assertionsDisabled
java/awt/Toolkit <init>()V
java/awt/Toolkit createButton(Ljava/awt/Button;)Ljava/awt/peer/ButtonPeer;
java/awt/Toolkit createTextField(Ljava/awt/TextField;)Ljava/awt/peer/TextFieldPeer;
java/awt/Toolkit
createLabel(Ljava/awt/Label;)Ljava/awt/peer/LabelPeer;
java/awt/Toolkit createList(Ljava/awt/List;)Ljava/awt/peer/ListPeer;
java/awt/Toolkit createCheckbox(Ljava/awt/Checkbox;)Ljava/awt/peer/CheckboxPeer;
java/awt/Toolkit createScrollbar(Ljava/awt/Scrollbar;)Ljava/awt/peer/ScrollbarPeer;
java/awt/Toolkit createScrollPane(Ljava/awt/ScrollPane;)Ljava/awt/peer/ScrollPanePeer;
java/awt/Toolkit createTextArea(Ljava/awt/TextArea;)Ljava/awt/peer/TextAreaPeer;
java/awt/Toolkit createChoice(Ljava/awt/Choice;)Ljava/awt/peer/ChoicePeer;
java/awt/Toolkit createFrame(Ljava/awt/Frame;)Ljava/awt/peer/FramePeer;
java/awt/Toolkit createCanvas(Ljava/awt/Canvas;)Ljava/awt/peer/CanvasPeer;
java/awt/Toolkit createPanel(Ljava/awt/Panel;)Ljava/awt/peer/PanelPeer;
java/awt/Toolkit createWindow(Ljava/awt/Window;)Ljava/awt/peer/WindowPeer;
java/awt/Toolkit createDialog(Ljava/awt/Dialog;)Ljava/awt/peer/DialogPeer;
java/awt/Toolkit createMenuBar(Ljava/awt/MenuBar;)Ljava/awt/peer/MenuBarPeer;
java/awt/Toolkit
createMenu(Ljava/awt/Menu;)Ljava/awt/peer/MenuPeer;
java/awt/Toolkit createPopupMenu(Ljava/awt/PopupMenu;)Ljava/awt/peer/PopupMenuPeer;
java/awt/Toolkit createMenuItem(Ljava/awt/MenuItem;)Ljava/awt/peer/MenuItemPeer;
java/awt/Toolkit createFileDialog(Ljava/awt/FileDialog;)Ljava/awt/peer/FileDialogPeer;
java/awt/Toolkit
createCheckboxMenuItem(Ljava/awt/CheckboxMenuItem;)Ljava/awt/peer/CheckboxMenuItemPeer;
java/awt/Toolkit getMouseInfoPeer()Ljava/awt/peer/MouseInfoPeer;
java/awt/Toolkit createComponent(Ljava/awt/Component;)Ljava/awt/peer/LightweightPeer;
java/awt/Toolkit getFontPeer(Ljava/lang/String;I)Ljava/awt/peer/FontPeer;
java/awt/Toolkit loadSystemColors([I)V
java/awt/Toolkit setDynamicLayout(Z)V
java/awt/Toolkit isDynamicLayoutSet()Z
java/awt/Toolkit isDynamicLayoutActive()Z
java/awt/Toolkit getScreenSize()Ljava/awt/Dimension;
java/awt/Toolkit getScreenResolution()I
java/awt/Toolkit getScreenInsets(Ljava/awt/GraphicsConfiguration;)Ljava/awt/Insets;
java/awt/Toolkit
getColorModel()Ljava/awt/image/ColorModel;
java/awt/Toolkit getFontList()[Ljava/lang/String;
java/awt/Toolkit getFontMetrics(Ljava/awt/Font;)Ljava/awt/FontMetrics;
java/awt/Toolkit sync()V

java/awt/Toolkit initAssistiveTechnologies()V
java/awt/Toolkit loadAssistiveTechnologies()V
java/awt/Toolkit getDefaultToolkit()Ljava/awt/Toolkit;
java/awt/Toolkit getImage(Ljava/lang/String;)Ljava/awt/Image;
java/awt/Toolkit getImage(Ljava/net/URL;)Ljava/awt/Image;
java/awt/Toolkit createImage(Ljava/lang/String;)Ljava/awt/Image;
java/awt/Toolkit createImage(Ljava/net/URL;)Ljava/awt/Image;
java/awt/Toolkit prepareImage(Ljava/awt/Image;IILjava/awt/image/ImageObserver;)Z
java/awt/Toolkit checkImage(Ljava/awt/Image;IILjava/awt/image/ImageObserver;)I
java/awt/Toolkit createImage(Ljava/awt/image/ImageProducer;)Ljava/awt/Image;
java/awt/Toolkit createImage([B)Ljava/awt/Image;
java/awt/Toolkit createImage([BII)Ljava/awt/Image;
java/awt/Toolkit getPrintJob(Ljava/awt/Frame;Ljava/lang/String;Ljava/util/Properties;)Ljava/awt/PrintJob;
java/awt/Toolkit
getPrintJob(Ljava/awt/Frame;Ljava/lang/String;Ljava/awt/JobAttributes;Ljava/awt/PageAttributes;)Ljava/awt/PrintJ
ob;
java/awt/Toolkit beep()V
java/awt/Toolkit getSystemClipboard()Ljava/awt/datatransfer/Clipboard;
java/awt/Toolkit getSystemSelection()Ljava/awt/datatransfer/Clipboard;
java/awt/Toolkit getMenuShortcutKeyMask()I
java/awt/Toolkit getLockingKeyState(I)Z
java/awt/Toolkit setLockingKeyState(IZ)V
java/awt/Toolkit getNativeContainer(Ljava/awt/Component;)Ljava/awt/Container;
java/awt/Toolkit createCustomCursor(Ljava/awt/Image;Ljava/awt/Point;Ljava/lang/String;)Ljava/awt/Cursor;
java/awt/Toolkit getBestCursorSize(II)Ljava/awt/Dimension;
java/awt/Toolkit getMaximumCursorColors()I
java/awt/Toolkit isFrameStateSupported(I)Z
java/awt/Toolkit initIDs()V
java/awt/Toolkit loadLibraries()V
java/awt/Toolkit getProperty(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/awt/Toolkit getSystemEventQueue()Ljava/awt/EventQueue;
java/awt/Toolkit
getSystemEventQueueImpl()Ljava/awt/EventQueue;
java/awt/Toolkit getEventQueue()Ljava/awt/EventQueue;
java/awt/Toolkit
createDragSourceContextPeer(Ljava/awt/dnd/DragGestureEvent;)Ljava/awt/dnd/peer/DragSourceContextPeer;
java/awt/Toolkit
createDragGestureRecognizer(Ljava/lang/Class;Ljava/awt/dnd/DragSource;Ljava/awt/Component;ILjava/awt/dnd/
DragGestureListener;)Ljava/awt/dnd/DragGestureRecognizer;
java/awt/Toolkit getDesktopProperty(Ljava/lang/String;)Ljava/lang/Object;
java/awt/Toolkit setDesktopProperty(Ljava/lang/String;Ljava/lang/Object;)V
java/awt/Toolkit lazilyLoadDesktopProperty(Ljava/lang/String;)Ljava/lang/Object;
java/awt/Toolkit initializeDesktopProperties()V
java/awt/Toolkit addPropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/awt/Toolkit removePropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/awt/Toolkit getPropertyChangeListeners()[Ljava/beans/PropertyChangeListener;
java/awt/Toolkit

getPropertyChangeListeners(Ljava/lang/String;)[Ljava/beans/PropertyChangeListener;
java/awt/Toolkit
deProxyAWTEventListener(Ljava/awt/event/AWTEventListener;)Ljava/awt/event/AWTEventListener;
java/awt/Toolkit addAWTEventListener(Ljava/awt/event/AWTEventListener;J)V
java/awt/Toolkit removeAWTEventListener(Ljava/awt/event/AWTEventListener;)V
java/awt/Toolkit enabledOnToolkit(J)Z
java/awt/Toolkit countAWTEventListeners(J)I
java/awt/Toolkit getAWTEventListeners()[Ljava/awt/event/AWTEventListener;
java/awt/Toolkit getAWTEventListeners(J)[Ljava/awt/event/AWTEventListener;
java/awt/Toolkit notifyAWTEventListeners(Ljava/awt/AWTEvent;)V
java/awt/Toolkit mapInputMethodHighlight(Ljava/awt/im/InputMethodHighlight;)Ljava/util/Map;
java/awt/Toolkit access$002(Ljava/awt/Toolkit;)Ljava/awt/Toolkit;
java/awt/Toolkit access$000()Ljava/awt/Toolkit;
java/awt/Toolkit access$102(Ljava/util/ResourceBundle;)Ljava/util/ResourceBundle;
java/awt/Toolkit <clinit>()V
class java/awt/Component$AWTTreeLock
java/lang/Object
java/awt/Component$AWTTreeLock <init>()V
class java/beans/PropertyChangeEvent java/util/EventObject
java/beans/PropertyChangeEvent propertyName
java/beans/PropertyChangeEvent newValue
java/beans/PropertyChangeEvent oldValue
java/beans/PropertyChangeEvent propagationId
java/beans/PropertyChangeEvent
<init>(Ljava/lang/Object;Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/PropertyChangeEvent getPropertyName()Ljava/lang/String;
java/beans/PropertyChangeEvent getNewValue()Ljava/lang/Object;
java/beans/PropertyChangeEvent getOldValue()Ljava/lang/Object;
java/beans/PropertyChangeEvent setPropagationId(Ljava/lang/Object;)V
java/beans/PropertyChangeEvent getPropagationId()Ljava/lang/Object;
class java/util/EventObject java/lang/Object
java/util/EventObject serialVersionUID
java/util/EventObject source
java/util/EventObject <init>(Ljava/lang/Object;)V
java/util/EventObject getSource()Ljava/lang/Object;
java/util/EventObject toString()Ljava/lang/String;
class
java/util/Hashtable$Enumerator java/lang/Object
java/util/Hashtable$Enumerator table
java/util/Hashtable$Enumerator index
java/util/Hashtable$Enumerator entry
java/util/Hashtable$Enumerator lastReturned
java/util/Hashtable$Enumerator type
java/util/Hashtable$Enumerator iterator
java/util/Hashtable$Enumerator expectedModCount
java/util/Hashtable$Enumerator this$0
java/util/Hashtable$Enumerator <init>(Ljava/util/Hashtable;IZ)V
java/util/Hashtable$Enumerator hasMoreElements()Z

java/util/Hashtable$Enumerator nextElement()Ljava/lang/Object;
java/util/Hashtable$Enumerator hasNext()Z
java/util/Hashtable$Enumerator next()Ljava/lang/Object;
java/util/Hashtable$Enumerator remove()V
class java/util/Properties$LineReader java/lang/Object
java/util/Properties$LineReader inBuf
java/util/Properties$LineReader lineBuf
java/util/Properties$LineReader inLimit
java/util/Properties$LineReader inOff
java/util/Properties$LineReader inStream
java/util/Properties$LineReader this$0
java/util/Properties$LineReader
 <init>(Ljava/util/Properties;Ljava/io/InputStream;)V
java/util/Properties$LineReader readLine()I
class java/util/logging/LogManager$2 java/lang/Object
java/util/logging/LogManager$2 this$0
java/util/logging/LogManager$2 <init>(Ljava/util/logging/LogManager;)V
java/util/logging/LogManager$2 run()Ljava/lang/Object;
class java/util/logging/LogManager$RootLogger java/util/logging/Logger
java/util/logging/LogManager$RootLogger this$0
java/util/logging/LogManager$RootLogger <init>(Ljava/util/logging/LogManager;)V
java/util/logging/LogManager$RootLogger log(Ljava/util/logging/LogRecord;)V
java/util/logging/LogManager$RootLogger addHandler(Ljava/util/logging/Handler;)V
java/util/logging/LogManager$RootLogger removeHandler(Ljava/util/logging/Handler;)V
java/util/logging/LogManager$RootLogger getHandlers()[Ljava/util/logging/Handler;
java/util/logging/LogManager$RootLogger
<init>(Ljava/util/logging/LogManager;Ljava/util/logging/LogManager$1;)V
class java/lang/Shutdown$WrappedHook
 java/lang/Object
java/lang/Shutdown$WrappedHook hook
java/lang/Shutdown$WrappedHook <init>(Ljava/lang/Thread;)V
java/lang/Shutdown$WrappedHook hashCode()I
java/lang/Shutdown$WrappedHook equals(Ljava/lang/Object;)Z
java/lang/Shutdown$WrappedHook access$100(Ljava/lang/Shutdown$WrappedHook;)Ljava/lang/Thread;
class java/util/logging/LogManager$Cleaner java/lang/Thread
java/util/logging/LogManager$Cleaner this$0
java/util/logging/LogManager$Cleaner <init>(Ljava/util/logging/LogManager;)V
java/util/logging/LogManager$Cleaner run()V
java/util/logging/LogManager$Cleaner <init>(Ljava/util/logging/LogManager;Ljava/util/logging/LogManager$1;)V
class java/util/logging/LoggingPermission java/security/BasicPermission
java/util/logging/LoggingPermission serialVersionUID
java/util/logging/LoggingPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/util/logging/LogManager$LogNode java/lang/Object
java/util/logging/LogManager$LogNode children
java/util/logging/LogManager$LogNode logger
java/util/logging/LogManager$LogNode
 parent
java/util/logging/LogManager$LogNode <init>(Ljava/util/logging/LogManager$LogNode;)V

java/util/logging/LogManager$LogNode walkAndSetParent(Ljava/util/logging/Logger;)V
class java/beans/PropertyChangeSupport java/lang/Object
java/beans/PropertyChangeSupport listeners
java/beans/PropertyChangeSupport children
java/beans/PropertyChangeSupport source
java/beans/PropertyChangeSupport propertyChangeSupportSerializedDataVersion
java/beans/PropertyChangeSupport serialVersionUID
java/beans/PropertyChangeSupport <init>(Ljava/lang/Object;)V
java/beans/PropertyChangeSupport addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/beans/PropertyChangeSupport removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/beans/PropertyChangeSupport getPropertyChangeListeners()[Ljava/beans/PropertyChangeListener;
java/beans/PropertyChangeSupport
addPropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/beans/PropertyChangeSupport
removePropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/beans/PropertyChangeSupport
getPropertyChangeListeners(Ljava/lang/String;)[Ljava/beans/PropertyChangeListener;
java/beans/PropertyChangeSupport firePropertyChange(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)V
java/beans/PropertyChangeSupport firePropertyChange(Ljava/lang/String;II)V
java/beans/PropertyChangeSupport firePropertyChange(Ljava/lang/String;ZZ)V
java/beans/PropertyChangeSupport firePropertyChange(Ljava/beans/PropertyChangeEvent;)V
java/beans/PropertyChangeSupport
fireIndexedPropertyChange(Ljava/lang/String;ILjava/lang/Object;Ljava/lang/Object;)V
java/beans/PropertyChangeSupport fireIndexedPropertyChange(Ljava/lang/String;III)V
java/beans/PropertyChangeSupport fireIndexedPropertyChange(Ljava/lang/String;IZZ)V
java/beans/PropertyChangeSupport hasListeners(Ljava/lang/String;)Z
java/beans/PropertyChangeSupport writeObject(Ljava/io/ObjectOutputStream;)V
java/beans/PropertyChangeSupport
readObject(Ljava/io/ObjectInputStream;)V
class java/util/logging/LogManager$1 java/lang/Object
java/util/logging/LogManager$1 <init>()V
java/util/logging/LogManager$1 run()Ljava/lang/Object;
class java/util/logging/LogManager java/lang/Object
java/util/logging/LogManager manager
java/util/logging/LogManager emptyHandlers
java/util/logging/LogManager props
java/util/logging/LogManager changes
java/util/logging/LogManager defaultLevel
java/util/logging/LogManager loggers
java/util/logging/LogManager root
java/util/logging/LogManager rootLogger
java/util/logging/LogManager readPrimordialConfiguration
java/util/logging/LogManager initializedGlobalHandlers
java/util/logging/LogManager deathImminent
java/util/logging/LogManager ourPermission
java/util/logging/LogManager loggingMXBean
java/util/logging/LogManager LOGGING_MXBEAN_NAME
java/util/logging/LogManager <init>()V

java/util/logging/LogManager getLogManager()Ljava/util/logging/LogManager;
java/util/logging/LogManager
readPrimordialConfiguration()V
java/util/logging/LogManager addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/util/logging/LogManager removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/util/logging/LogManager addLogger(Ljava/util/logging/Logger;)Z
java/util/logging/LogManager doSetLevel(Ljava/util/logging/Logger;Ljava/util/logging/Level;)V
java/util/logging/LogManager doSetParent(Ljava/util/logging/Logger;Ljava/util/logging/Logger;)V
java/util/logging/LogManager findNode(Ljava/lang/String;)Ljava/util/logging/LogManager$LogNode;
java/util/logging/LogManager getLogger(Ljava/lang/String;)Ljava/util/logging/Logger;
java/util/logging/LogManager getLoggerNames()Ljava/util/Enumeration;
java/util/logging/LogManager readConfiguration()V
java/util/logging/LogManager reset()V
java/util/logging/LogManager resetLogger(Ljava/lang/String;)V
java/util/logging/LogManager parseClassNames(Ljava/lang/String;)[Ljava/lang/String;
java/util/logging/LogManager
readConfiguration(Ljava/io/InputStream;)V
java/util/logging/LogManager getProperty(Ljava/lang/String;)Ljava/lang/String;
java/util/logging/LogManager getStringProperty(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/util/logging/LogManager getIntProperty(Ljava/lang/String;I)I
java/util/logging/LogManager getBooleanProperty(Ljava/lang/String;Z)Z
java/util/logging/LogManager
getLevelProperty(Ljava/lang/String;Ljava/util/logging/Level;)Ljava/util/logging/Level;
java/util/logging/LogManager
getFilterProperty(Ljava/lang/String;Ljava/util/logging/Filter;)Ljava/util/logging/Filter;
java/util/logging/LogManager
getFormatterProperty(Ljava/lang/String;Ljava/util/logging/Formatter;)Ljava/util/logging/Formatter;
java/util/logging/LogManager initializeGlobalHandlers()V
java/util/logging/LogManager checkAccess()V
java/util/logging/LogManager setLevelsOnExistingLoggers()V
java/util/logging/LogManager getLoggingMXBean()Ljava/util/logging/LoggingMXBean;
java/util/logging/LogManager access$002(Ljava/util/logging/LogManager;)Ljava/util/logging/LogManager;
java/util/logging/LogManager
access$000()Ljava/util/logging/LogManager;
java/util/logging/LogManager
access$102(Ljava/util/logging/LogManager;Ljava/util/logging/Logger;)Ljava/util/logging/Logger;
java/util/logging/LogManager access$100(Ljava/util/logging/LogManager;)Ljava/util/logging/Logger;
java/util/logging/LogManager access$302(Ljava/util/logging/LogManager;Z)Z
java/util/logging/LogManager access$402(Ljava/util/logging/LogManager;Z)Z
java/util/logging/LogManager access$600(Ljava/util/logging/LogManager;Ljava/lang/String;)[Ljava/lang/String;
java/util/logging/LogManager access$700(Ljava/util/logging/Logger;Ljava/util/logging/Logger;)V
java/util/logging/LogManager access$800()Ljava/util/logging/Level;
java/util/logging/LogManager access$900(Ljava/util/logging/LogManager;)V
java/util/logging/LogManager <clinit>()V
class java/util/logging/Level java/lang/Object
java/util/logging/Level known
java/util/logging/Level

defaultBundle
java/util/logging/Level name
java/util/logging/Level value
java/util/logging/Level resourceBundleName
java/util/logging/Level OFF
java/util/logging/Level SEVERE
java/util/logging/Level WARNING
java/util/logging/Level INFO
java/util/logging/Level CONFIG
java/util/logging/Level FINE
java/util/logging/Level FINER
java/util/logging/Level FINEST
java/util/logging/Level ALL
java/util/logging/Level serialVersionUID
java/util/logging/Level <init>(Ljava/lang/String;I)V
java/util/logging/Level <init>(Ljava/lang/String;ILjava/lang/String;)V
java/util/logging/Level getResourceBundleName()Ljava/lang/String;
java/util/logging/Level getName()Ljava/lang/String;
java/util/logging/Level getLocalizedName()Ljava/lang/String;
java/util/logging/Level toString()Ljava/lang/String;
java/util/logging/Level intValue()I
java/util/logging/Level readResolve()Ljava/lang/Object;
java/util/logging/Level parse(Ljava/lang/String;)Ljava/util/logging/Level;
java/util/logging/Level equals(Ljava/lang/Object;)Z
java/util/logging/Level
hashCode()I
java/util/logging/Level <clinit>()V
class java/util/logging/Handler java/lang/Object
java/util/logging/Handler offValue
java/util/logging/Handler manager
java/util/logging/Handler filter
java/util/logging/Handler formatter
java/util/logging/Handler logLevel
java/util/logging/Handler errorManager
java/util/logging/Handler encoding
java/util/logging/Handler sealed
java/util/logging/Handler <init>()V
java/util/logging/Handler publish(Ljava/util/logging/LogRecord;)V
java/util/logging/Handler flush()V
java/util/logging/Handler close()V
java/util/logging/Handler setFormatter(Ljava/util/logging/Formatter;)V
java/util/logging/Handler getFormatter()Ljava/util/logging/Formatter;
java/util/logging/Handler setEncoding(Ljava/lang/String;)V
java/util/logging/Handler getEncoding()Ljava/lang/String;
java/util/logging/Handler setFilter(Ljava/util/logging/Filter;)V
java/util/logging/Handler getFilter()Ljava/util/logging/Filter;
java/util/logging/Handler setErrorManager(Ljava/util/logging/ErrorManager;)V
java/util/logging/Handler

getErrorManager()Ljava/util/logging/ErrorManager;
java/util/logging/Handler reportError(Ljava/lang/String;Ljava/lang/Exception;I)V
java/util/logging/Handler setLevel(Ljava/util/logging/Level;)V
java/util/logging/Handler getLevel()Ljava/util/logging/Level;
java/util/logging/Handler isLoggable(Ljava/util/logging/LogRecord;)Z
java/util/logging/Handler checkAccess()V
java/util/logging/Handler <clinit>()V
class java/util/logging/Logger java/lang/Object
java/util/logging/Logger emptyHandlers
java/util/logging/Logger offValue
java/util/logging/Logger manager
java/util/logging/Logger name
java/util/logging/Logger handlers
java/util/logging/Logger resourceBundleName
java/util/logging/Logger useParentHandlers
java/util/logging/Logger filter
java/util/logging/Logger anonymous
java/util/logging/Logger catalog
java/util/logging/Logger catalogName
java/util/logging/Logger catalogLocale
java/util/logging/Logger treeLock
java/util/logging/Logger
parent
java/util/logging/Logger kids
java/util/logging/Logger levelObject
java/util/logging/Logger levelValue
java/util/logging/Logger global
java/util/logging/Logger <init>(Ljava/lang/String;Ljava/lang/String;)V
java/util/logging/Logger <init>(Ljava/lang/String;)V
java/util/logging/Logger setLogManager(Ljava/util/logging/LogManager;)V
java/util/logging/Logger checkAccess()V
java/util/logging/Logger getLogger(Ljava/lang/String;)Ljava/util/logging/Logger;
java/util/logging/Logger getLogger(Ljava/lang/String;Ljava/lang/String;)Ljava/util/logging/Logger;
java/util/logging/Logger getAnonymousLogger()Ljava/util/logging/Logger;
java/util/logging/Logger getAnonymousLogger(Ljava/lang/String;)Ljava/util/logging/Logger;
java/util/logging/Logger getResourceBundle()Ljava/util/ResourceBundle;
java/util/logging/Logger getResourceBundleName()Ljava/lang/String;
java/util/logging/Logger setFilter(Ljava/util/logging/Filter;)V
java/util/logging/Logger getFilter()Ljava/util/logging/Filter;
java/util/logging/Logger
log(Ljava/util/logging/LogRecord;)V
java/util/logging/Logger doLog(Ljava/util/logging/LogRecord;)V
java/util/logging/Logger log(Ljava/util/logging/Level;Ljava/lang/String;)V
java/util/logging/Logger log(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/Object;)V
java/util/logging/Logger log(Ljava/util/logging/Level;Ljava/lang/String;[Ljava/lang/Object;)V
java/util/logging/Logger log(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/Throwable;)V
java/util/logging/Logger logp(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/util/logging/Logger

logp(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/Object;)V
java/util/logging/Logger
logp(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;[Ljava/lang/Object;)V
java/util/logging/Logger
logp(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/Throwable;)V
java/util/logging/Logger
doLog(Ljava/util/logging/LogRecord;Ljava/lang/String;)V
java/util/logging/Logger
logrb(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/util/logging/Logger
logrb(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/Object;)V
java/util/logging/Logger
logrb(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;[Ljava/lang/Object;)V
java/util/logging/Logger
logrb(Ljava/util/logging/Level;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/Throwable;)V
java/util/logging/Logger entering(Ljava/lang/String;Ljava/lang/String;)V
java/util/logging/Logger entering(Ljava/lang/String;Ljava/lang/String;Ljava/lang/Object;)V
java/util/logging/Logger entering(Ljava/lang/String;Ljava/lang/String;[Ljava/lang/Object;)V
java/util/logging/Logger exiting(Ljava/lang/String;Ljava/lang/String;)V
java/util/logging/Logger exiting(Ljava/lang/String;Ljava/lang/String;Ljava/lang/Object;)V
java/util/logging/Logger
throwing(Ljava/lang/String;Ljava/lang/String;Ljava/lang/Throwable;)V
java/util/logging/Logger severe(Ljava/lang/String;)V
java/util/logging/Logger warning(Ljava/lang/String;)V
java/util/logging/Logger info(Ljava/lang/String;)V
java/util/logging/Logger config(Ljava/lang/String;)V
java/util/logging/Logger fine(Ljava/lang/String;)V
java/util/logging/Logger finer(Ljava/lang/String;)V
java/util/logging/Logger finest(Ljava/lang/String;)V
java/util/logging/Logger setLevel(Ljava/util/logging/Level;)V
java/util/logging/Logger getLevel()Ljava/util/logging/Level;
java/util/logging/Logger isLoggable(Ljava/util/logging/Level;)Z
java/util/logging/Logger getName()Ljava/lang/String;
java/util/logging/Logger addHandler(Ljava/util/logging/Handler;)V
java/util/logging/Logger removeHandler(Ljava/util/logging/Handler;)V
java/util/logging/Logger getHandlers()[Ljava/util/logging/Handler;
java/util/logging/Logger setUseParentHandlers(Z)V
java/util/logging/Logger
getUseParentHandlers()Z
java/util/logging/Logger findResourceBundle(Ljava/lang/String;)Ljava/util/ResourceBundle;
java/util/logging/Logger setupResourceInfo(Ljava/lang/String;)V
java/util/logging/Logger getParent()Ljava/util/logging/Logger;
java/util/logging/Logger setParent(Ljava/util/logging/Logger;)V
java/util/logging/Logger doSetParent(Ljava/util/logging/Logger;)V
java/util/logging/Logger updateEffectiveLevel()V

java/util/logging/Logger getEffectiveResourceBundleName()Ljava/lang/String;
java/util/logging/Logger <clinit>()V
class java/awt/Label java/awt/Component
java/awt/Label LEFT
java/awt/Label CENTER
java/awt/Label RIGHT
java/awt/Label text
java/awt/Label alignment
java/awt/Label base
java/awt/Label nameCounter
java/awt/Label serialVersionUID
java/awt/Label <init>()V
java/awt/Label <init>(Ljava/lang/String;)V
java/awt/Label <init>(Ljava/lang/String;I)V
java/awt/Label readObject(Ljava/io/ObjectInputStream;)V
java/awt/Label constructComponentName()Ljava/lang/String;
java/awt/Label
 addNotify()V
java/awt/Label getAlignment()I
java/awt/Label setAlignment(I)V
java/awt/Label getText()Ljava/lang/String;
java/awt/Label setText(Ljava/lang/String;)V
java/awt/Label paramString()Ljava/lang/String;
java/awt/Label initIDs()V
java/awt/Label getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Label <clinit>()V
class java/lang/InterruptedException java/lang/Exception
java/lang/InterruptedException <init>()V
java/lang/InterruptedException <init>(Ljava/lang/String;)V
class java/awt/Frame java/awt/Window
java/awt/Frame DEFAULT_CURSOR
java/awt/Frame CROSSHAIR_CURSOR
java/awt/Frame TEXT_CURSOR
java/awt/Frame WAIT_CURSOR
java/awt/Frame SW_RESIZE_CURSOR
java/awt/Frame SE_RESIZE_CURSOR
java/awt/Frame NW_RESIZE_CURSOR
java/awt/Frame NE_RESIZE_CURSOR
java/awt/Frame N_RESIZE_CURSOR
java/awt/Frame S_RESIZE_CURSOR
java/awt/Frame W_RESIZE_CURSOR
java/awt/Frame E_RESIZE_CURSOR
java/awt/Frame HAND_CURSOR
java/awt/Frame MOVE_CURSOR
java/awt/Frame
 NORMAL
java/awt/Frame ICONIFIED
java/awt/Frame MAXIMIZED_HORIZ

java/awt/Frame MAXIMIZED_VERT
java/awt/Frame MAXIMIZED_BOTH
java/awt/Frame maximizedBounds
java/awt/Frame title
java/awt/Frame icon
java/awt/Frame menuBar
java/awt/Frame resizable
java/awt/Frame undecorated
java/awt/Frame mbManagement
java/awt/Frame state
java/awt/Frame ownedWindows
java/awt/Frame weakThis
java/awt/Frame base
java/awt/Frame nameCounter
java/awt/Frame serialVersionUID
java/awt/Frame frameSerializedDataVersion
java/awt/Frame <init>()V
java/awt/Frame <init>(Ljava/awt/GraphicsConfiguration;)V
java/awt/Frame <init>(Ljava/lang/String;)V
java/awt/Frame <init>(Ljava/lang/String;Ljava/awt/GraphicsConfiguration;)V
java/awt/Frame init(Ljava/lang/String;Ljava/awt/GraphicsConfiguration;)V
java/awt/Frame finalize()V
java/awt/Frame constructComponentName()Ljava/lang/String;
java/awt/Frame addNotify()V
java/awt/Frame getTitle()Ljava/lang/String;
java/awt/Frame setTitle(Ljava/lang/String;)V
java/awt/Frame getIconImage()Ljava/awt/Image;
java/awt/Frame
setIconImage(Ljava/awt/Image;)V
java/awt/Frame getMenuBar()Ljava/awt/MenuBar;
java/awt/Frame setMenuBar(Ljava/awt/MenuBar;)V
java/awt/Frame isResizable()Z
java/awt/Frame setResizable(Z)V
java/awt/Frame setState(I)V
java/awt/Frame setExtendedState(I)V
java/awt/Frame isFrameStateSupported(I)Z
java/awt/Frame getState()I
java/awt/Frame getExtendedState()I
java/awt/Frame setMaximizedBounds(Ljava/awt/Rectangle;)V
java/awt/Frame getMaximizedBounds()Ljava/awt/Rectangle;
java/awt/Frame setUndecorated(Z)V
java/awt/Frame isUndecorated()Z
java/awt/Frame remove(Ljava/awt/MenuComponent;)V
java/awt/Frame removeNotify()V
java/awt/Frame postProcessKeyEvent(Ljava/awt/event/KeyEvent;)V
java/awt/Frame paramString()Ljava/lang/String;
java/awt/Frame setCursor(I)V
java/awt/Frame getCursorType()I

java/awt/Frame getFrames()[Ljava/awt/Frame;
java/awt/Frame addToFrameList()V
java/awt/Frame removeFromFrameList()V
java/awt/Frame writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Frame
 readObject(Ljava/io/ObjectInputStream;)V
java/awt/Frame initIDs()V
java/awt/Frame getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Frame <clinit>()V
class java/awt/Window java/awt/Container
java/awt/Window warningString
java/awt/Window temporaryLostComponent
java/awt/Window systemSyncLWRequests
java/awt/Window syncLWRequests
java/awt/Window beforeFirstShow
java/awt/Window OPENED
java/awt/Window state
java/awt/Window alwaysOnTop
java/awt/Window ownedWindowList
java/awt/Window weakThis
java/awt/Window showWithParent
java/awt/Window windowListener
java/awt/Window windowStateListener
java/awt/Window windowFocusListener
java/awt/Window inputContext
java/awt/Window inputContextLock
java/awt/Window focusMgr
java/awt/Window focusableWindowState
java/awt/Window base
java/awt/Window nameCounter
java/awt/Window serialVersionUID
java/awt/Window dbg
java/awt/Window locationByPlatformProp
java/awt/Window modalExcluded
java/awt/Window windowSerializedDataVersion
java/awt/Window
 locationByPlatform
java/awt/Window initIDs()V
java/awt/Window <init>(Ljava/awt/GraphicsConfiguration;)V
java/awt/Window init(Ljava/awt/GraphicsConfiguration;)V
java/awt/Window <init>()V
java/awt/Window <init>(Ljava/awt/Frame;)V
java/awt/Window <init>(Ljava/awt/Window;)V
java/awt/Window <init>(Ljava/awt/Window;Ljava/awt/GraphicsConfiguration;)V
java/awt/Window ownedInit(Ljava/awt/Window;)V
java/awt/Window finalize()V
java/awt/Window constructComponentName()Ljava/lang/String;
java/awt/Window addNotify()V

java/awt/Window pack()V
java/awt/Window setClientSize(II)V
java/awt/Window show()V
java/awt/Window updateChildFocusableWindowState(Ljava/awt/Window;)V
java/awt/Window postWindowEvent(I)V
java/awt/Window hide()V
java/awt/Window clearMostRecentFocusOwnerOnHide()V
java/awt/Window dispose()V
java/awt/Window disposeImpl()V
java/awt/Window doDispose()V
java/awt/Window adjustListeningChildrenOnParent(JI)V
java/awt/Window adjustDecendantsOnParent(I)V
java/awt/Window toFront()V
java/awt/Window
toBack()V
java/awt/Window getToolkit()Ljava/awt/Toolkit;
java/awt/Window getWarningString()Ljava/lang/String;
java/awt/Window setWarningString()V
java/awt/Window getLocale()Ljava/util/Locale;
java/awt/Window getInputContext()Ljava/awt/im/InputContext;
java/awt/Window setCursor(Ljava/awt/Cursor;)V
java/awt/Window getOwner()Ljava/awt/Window;
java/awt/Window getOwnedWindows()[Ljava/awt/Window;
java/awt/Window addWindowListener(Ljava/awt/event/WindowListener;)V
java/awt/Window addWindowStateListener(Ljava/awt/event/WindowStateListener;)V
java/awt/Window addWindowFocusListener(Ljava/awt/event/WindowFocusListener;)V
java/awt/Window removeWindowListener(Ljava/awt/event/WindowListener;)V
java/awt/Window removeWindowStateListener(Ljava/awt/event/WindowStateListener;)V
java/awt/Window removeWindowFocusListener(Ljava/awt/event/WindowFocusListener;)V
java/awt/Window getWindowListeners()[Ljava/awt/event/WindowListener;
java/awt/Window getWindowFocusListeners()[Ljava/awt/event/WindowFocusListener;
java/awt/Window
getWindowStateListeners()[Ljava/awt/event/WindowStateListener;
java/awt/Window getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/Window eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/Window processEvent(Ljava/awt/AWTEvent;)V
java/awt/Window processWindowEvent(Ljava/awt/event/WindowEvent;)V
java/awt/Window processWindowFocusEvent(Ljava/awt/event/WindowEvent;)V
java/awt/Window processWindowStateEvent(Ljava/awt/event/WindowEvent;)V
java/awt/Window preProcessKeyEvent(Ljava/awt/event/KeyEvent;)V
java/awt/Window postProcessKeyEvent(Ljava/awt/event/KeyEvent;)V
java/awt/Window setAlwaysOnTop(Z)V
java/awt/Window isAlwaysOnTop()Z
java/awt/Window getFocusOwner()Ljava/awt/Component;
java/awt/Window getMostRecentFocusOwner()Ljava/awt/Component;
java/awt/Window isActive()Z
java/awt/Window isFocused()Z
java/awt/Window getFocusTraversalKeys(I)Ljava/util/Set;

java/awt/Window setFocusCycleRoot(Z)V
java/awt/Window isFocusCycleRoot()Z
java/awt/Window getFocusCycleRootAncestor()Ljava/awt/Container;
java/awt/Window
 isFocusableWindow()Z
java/awt/Window getFocusableWindowState()Z
java/awt/Window setFocusableWindowState(Z)V
java/awt/Window addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/awt/Window addPropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/awt/Window dispatchEventImpl(Ljava/awt/AWTEvent;)V
java/awt/Window postEvent(Ljava/awt/Event;)Z
java/awt/Window isShowing()Z
java/awt/Window applyResourceBundle(Ljava/util/ResourceBundle;)V
java/awt/Window applyResourceBundle(Ljava/lang/String;)V
java/awt/Window addOwnedWindow(Ljava/lang/ref/WeakReference;)V
java/awt/Window removeOwnedWindow(Ljava/lang/ref/WeakReference;)V
java/awt/Window connectOwnedWindow(Ljava/awt/Window;)V
java/awt/Window writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Window readObject(Ljava/io/ObjectInputStream;)V
java/awt/Window getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Window getGraphicsConfiguration()Ljava/awt/GraphicsConfiguration;
java/awt/Window
 resetGC()V
java/awt/Window setLocationRelativeTo(Ljava/awt/Component;)V
java/awt/Window deliverMouseWheelToAncestor(Ljava/awt/event/MouseWheelEvent;)V
java/awt/Window dispatchMouseWheelToAncestor(Ljava/awt/event/MouseWheelEvent;)Z
java/awt/Window createBufferStrategy(I)V
java/awt/Window createBufferStrategy(ILjava/awt/BufferCapabilities;)V
java/awt/Window getBufferStrategy()Ljava/awt/image/BufferStrategy;
java/awt/Window getTemporaryLostComponent()Ljava/awt/Component;
java/awt/Window setTemporaryLostComponent(Ljava/awt/Component;)Ljava/awt/Component;
java/awt/Window canContainFocusOwner(Ljava/awt/Component;)Z
java/awt/Window setLocationByPlatform(Z)V
java/awt/Window isLocationByPlatform()Z
java/awt/Window setBounds(IIII)V
java/awt/Window access$000(Ljava/awt/Window;)Ljava/lang/Object;
java/awt/Window <clinit>()V
class java/awt/Container java/awt/Component
java/awt/Container ncomponents
java/awt/Container component
java/awt/Container
 layoutMgr
java/awt/Container dispatcher
java/awt/Container focusTraversalPolicy
java/awt/Container focusCycleRoot
java/awt/Container focusTraversalPolicyProvider
java/awt/Container printingThreads
java/awt/Container printing

java/awt/Container containerListener
java/awt/Container listeningChildren
java/awt/Container listeningBoundsChildren
java/awt/Container descendantsCount
java/awt/Container serialVersionUID
java/awt/Container dbg
java/awt/Container INCLUDE_SELF
java/awt/Container SEARCH_HEAVYWEIGHTS
java/awt/Container serialPersistentFields
java/awt/Container modalComp
java/awt/Container modalAppContext
java/awt/Container containerSerializedDataVersion
java/awt/Container $assertionsDisabled
java/awt/Container initIDs()V
java/awt/Container <init>()V
java/awt/Container initializeFocusTraversalKeys()V
java/awt/Container getComponentCount()I
java/awt/Container countComponents()I
java/awt/Container getComponent(I)Ljava/awt/Component;
java/awt/Container getComponents()[Ljava/awt/Component;
java/awt/Container
getComponents_NoClientCode()[Ljava/awt/Component;
java/awt/Container getInsets()Ljava/awt/Insets;
java/awt/Container insets()Ljava/awt/Insets;
java/awt/Container add(Ljava/awt/Component;)Ljava/awt/Component;
java/awt/Container add(Ljava/lang/String;Ljava/awt/Component;)Ljava/awt/Component;
java/awt/Container add(Ljava/awt/Component;I)Ljava/awt/Component;
java/awt/Container checkTreeLock()V
java/awt/Container checkAdding(Ljava/awt/Component;I)V
java/awt/Container removeDelicately(Ljava/awt/Component;Ljava/awt/Container;I)V
java/awt/Container canContainFocusOwner(Ljava/awt/Component;)Z
java/awt/Container hasHeavyweightChildren()Z
java/awt/Container getHeavyweightContainer()Ljava/awt/Container;
java/awt/Container isRemoveNotifyNeeded(Ljava/awt/Component;Ljava/awt/Container;Ljava/awt/Container;)Z
java/awt/Container setComponentZOrder(Ljava/awt/Component;I)V
java/awt/Container reparentTraverse(Ljava/awt/peer/ContainerPeer;Ljava/awt/Container;)V
java/awt/Container reparentChild(Ljava/awt/Component;)V
java/awt/Container
addDelicately(Ljava/awt/Component;Ljava/awt/Container;I)V
java/awt/Container getComponentZOrder(Ljava/awt/Component;)I
java/awt/Container add(Ljava/awt/Component;Ljava/lang/Object;)V
java/awt/Container add(Ljava/awt/Component;Ljava/lang/Object;I)V
java/awt/Container addImpl(Ljava/awt/Component;Ljava/lang/Object;I)V
java/awt/Container checkGD(Ljava/lang/String;)V
java/awt/Container remove(I)V
java/awt/Container remove(Ljava/awt/Component;)V
java/awt/Container removeAll()V
java/awt/Container numListening(J)I

java/awt/Container adjustListeningChildren(JI)V
java/awt/Container adjustDescendants(I)V
java/awt/Container adjustDecendantsOnParent(I)V
java/awt/Container countHierarchyMembers()I
java/awt/Container getListenersCount(IZ)I
java/awt/Container createHierarchyEvents(ILjava/awt/Component;Ljava/awt/Container;JZ)I
java/awt/Container createChildHierarchyEvents(IJZ)V
java/awt/Container getLayout()Ljava/awt/LayoutManager;
java/awt/Container
setLayout(Ljava/awt/LayoutManager;)V
java/awt/Container doLayout()V
java/awt/Container layout()V
java/awt/Container invalidate()V
java/awt/Container validate()V
java/awt/Container validateTree()V
java/awt/Container invalidateTree()V
java/awt/Container setFont(Ljava/awt/Font;)V
java/awt/Container getPreferredSize()Ljava/awt/Dimension;
java/awt/Container preferredSize()Ljava/awt/Dimension;
java/awt/Container getMinimumSize()Ljava/awt/Dimension;
java/awt/Container minimumSize()Ljava/awt/Dimension;
java/awt/Container getMaximumSize()Ljava/awt/Dimension;
java/awt/Container getAlignmentX()F
java/awt/Container getAlignmentY()F
java/awt/Container paint(Ljava/awt/Graphics;)V
java/awt/Container update(Ljava/awt/Graphics;)V
java/awt/Container print(Ljava/awt/Graphics;)V
java/awt/Container paintComponents(Ljava/awt/Graphics;)V
java/awt/Container lightweightPaint(Ljava/awt/Graphics;)V
java/awt/Container paintHeavyweightComponents(Ljava/awt/Graphics;)V
java/awt/Container printComponents(Ljava/awt/Graphics;)V
java/awt/Container
lightweightPrint(Ljava/awt/Graphics;)V
java/awt/Container printHeavyweightComponents(Ljava/awt/Graphics;)V
java/awt/Container addContainerListener(Ljava/awt/event/ContainerListener;)V
java/awt/Container removeContainerListener(Ljava/awt/event/ContainerListener;)V
java/awt/Container getContainerListeners()[Ljava/awt/event/ContainerListener;
java/awt/Container getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/Container eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/Container processEvent(Ljava/awt/AWTEvent;)V
java/awt/Container processContainerEvent(Ljava/awt/event/ContainerEvent;)V
java/awt/Container dispatchEventImpl(Ljava/awt/AWTEvent;)V
java/awt/Container dispatchEventToSelf(Ljava/awt/AWTEvent;)V
java/awt/Container getMouseEventTarget(IIZ)Ljava/awt/Component;
java/awt/Container getDropTargetEventTarget(IIZ)Ljava/awt/Component;
java/awt/Container getMouseEventTarget(IIZLjava/awt/Container$EventTargetFilter;Z)Ljava/awt/Component;
java/awt/Container

getMouseEventTargetImpl(IIZLjava/awt/Container$EventTargetFilter;ZZ)Ljava/awt/Component;
java/awt/Container proxyEnableEvents(J)V
java/awt/Container deliverEvent(Ljava/awt/Event;)V
java/awt/Container getComponentAt(II)Ljava/awt/Component;
java/awt/Container locate(II)Ljava/awt/Component;
java/awt/Container getComponentAt(Ljava/awt/Point;)Ljava/awt/Component;
java/awt/Container getMousePosition(Z)Ljava/awt/Point;
java/awt/Container isSameOrAncestorOf(Ljava/awt/Component;Z)Z
java/awt/Container findComponentAt(II)Ljava/awt/Component;
java/awt/Container findComponentAt(IIZ)Ljava/awt/Component;
java/awt/Container findComponentAtImpl(IIZ)Ljava/awt/Component;
java/awt/Container findComponentAt(Ljava/awt/Point;)Ljava/awt/Component;
java/awt/Container addNotify()V
java/awt/Container removeNotify()V
java/awt/Container isAncestorOf(Ljava/awt/Component;)Z
java/awt/Container startLWModal()V
java/awt/Container stopLWModal()V
java/awt/Container paramString()Ljava/lang/String;
java/awt/Container
list(Ljava/io/PrintStream;I)V
java/awt/Container list(Ljava/io/PrintWriter;I)V
java/awt/Container setFocusTraversalKeys(ILjava/util/Set;)V
java/awt/Container getFocusTraversalKeys(I)Ljava/util/Set;
java/awt/Container areFocusTraversalKeysSet(I)Z
java/awt/Container isFocusCycleRoot(Ljava/awt/Container;)Z
java/awt/Container findTraversalRoot()Ljava/awt/Container;
java/awt/Container containsFocus()Z
java/awt/Container isParentOf(Ljava/awt/Component;)Z
java/awt/Container clearMostRecentFocusOwnerOnHide()V
java/awt/Container clearCurrentFocusCycleRootOnHide()V
java/awt/Container nextFocusHelper()Z
java/awt/Container transferFocusBackward()V
java/awt/Container setFocusTraversalPolicy(Ljava/awt/FocusTraversalPolicy;)V
java/awt/Container getFocusTraversalPolicy()Ljava/awt/FocusTraversalPolicy;
java/awt/Container isFocusTraversalPolicySet()Z
java/awt/Container setFocusCycleRoot(Z)V
java/awt/Container isFocusCycleRoot()Z
java/awt/Container setFocusTraversalPolicyProvider(Z)V
java/awt/Container
isFocusTraversalPolicyProvider()Z
java/awt/Container transferFocusDownCycle()V
java/awt/Container preProcessKeyEvent(Ljava/awt/event/KeyEvent;)V
java/awt/Container postProcessKeyEvent(Ljava/awt/event/KeyEvent;)V
java/awt/Container postsOldMouseEvents()Z
java/awt/Container applyComponentOrientation(Ljava/awt/ComponentOrientation;)V
java/awt/Container addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/awt/Container addPropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/awt/Container writeObject(Ljava/io/ObjectOutputStream;)V

java/awt/Container readObject(Ljava/io/ObjectInputStream;)V
java/awt/Container getAccessibleAt(Ljava/awt/Point;)Ljavax/accessibility/Accessible;
java/awt/Container getAccessibleChildrenCount()I
java/awt/Container getAccessibleChild(I)Ljavax/accessibility/Accessible;
java/awt/Container <clinit>()V
class java/awt/Component java/lang/Object
java/awt/Component focusLog
java/awt/Component log
java/awt/Component peer
java/awt/Component
 parent
java/awt/Component appContext
java/awt/Component x
java/awt/Component y
java/awt/Component width
java/awt/Component height
java/awt/Component foreground
java/awt/Component background
java/awt/Component font
java/awt/Component peerFont
java/awt/Component cursor
java/awt/Component locale
java/awt/Component graphicsConfig
java/awt/Component bufferStrategy
java/awt/Component ignoreRepaint
java/awt/Component visible
java/awt/Component enabled
java/awt/Component valid
java/awt/Component dropTarget
java/awt/Component popups
java/awt/Component name
java/awt/Component nameExplicitlySet
java/awt/Component focusable
java/awt/Component FOCUS_TRAVERSABLE_UNKNOWN
java/awt/Component FOCUS_TRAVERSABLE_DEFAULT
java/awt/Component FOCUS_TRAVERSABLE_SET
java/awt/Component isFocusTraversableOverridden
java/awt/Component focusTraversalKeys
java/awt/Component focusTraversalKeyPropertyNames
java/awt/Component focusTraversalKeysEnabled
java/awt/Component LOCK
java/awt/Component minSize
java/awt/Component
 minSizeSet
java/awt/Component prefSize
java/awt/Component prefSizeSet
java/awt/Component maxSize
java/awt/Component maxSizeSet

java/awt/Component componentOrientation
java/awt/Component newEventsOnly
java/awt/Component componentListener
java/awt/Component focusListener
java/awt/Component hierarchyListener
java/awt/Component hierarchyBoundsListener
java/awt/Component keyListener
java/awt/Component mouseListener
java/awt/Component mouseMotionListener
java/awt/Component mouseWheelListener
java/awt/Component inputMethodListener
java/awt/Component windowClosingException
java/awt/Component actionListenerK
java/awt/Component adjustmentListenerK
java/awt/Component componentListenerK
java/awt/Component containerListenerK
java/awt/Component focusListenerK
java/awt/Component itemListenerK
java/awt/Component keyListenerK
java/awt/Component mouseListenerK
java/awt/Component mouseMotionListenerK
java/awt/Component mouseWheelListenerK
java/awt/Component textListenerK
java/awt/Component
ownedWindowK
java/awt/Component windowListenerK
java/awt/Component inputMethodListenerK
java/awt/Component hierarchyListenerK
java/awt/Component hierarchyBoundsListenerK
java/awt/Component windowStateListenerK
java/awt/Component windowFocusListenerK
java/awt/Component eventMask
java/awt/Component dbg
java/awt/Component isInc
java/awt/Component incRate
java/awt/Component TOP_ALIGNMENT
java/awt/Component CENTER_ALIGNMENT
java/awt/Component BOTTOM_ALIGNMENT
java/awt/Component LEFT_ALIGNMENT
java/awt/Component RIGHT_ALIGNMENT
java/awt/Component serialVersionUID
java/awt/Component changeSupport
java/awt/Component isPacked
java/awt/Component privateKey
java/awt/Component boundsOp
java/awt/Component metrics
java/awt/Component componentSerializedDataVersion
java/awt/Component nativeInLightFixer

java/awt/Component accessibleContext
java/awt/Component $assertionsDisabled
java/awt/Component getBoundsOp()I
java/awt/Component setBoundsOp(I)V
java/awt/Component <init>()V
java/awt/Component initializeFocusTraversalKeys()V
java/awt/Component
constructComponentName()Ljava/lang/String;
java/awt/Component getName()Ljava/lang/String;
java/awt/Component setName(Ljava/lang/String;)V
java/awt/Component getParent()Ljava/awt/Container;
java/awt/Component getParent_NoClientCode()Ljava/awt/Container;
java/awt/Component getPeer()Ljava/awt/peer/ComponentPeer;
java/awt/Component setDropTarget(Ljava/awt/dnd/DropTarget;)V
java/awt/Component getDropTarget()Ljava/awt/dnd/DropTarget;
java/awt/Component getGraphicsConfiguration()Ljava/awt/GraphicsConfiguration;
java/awt/Component resetGC()V
java/awt/Component setGCFromPeer()V
java/awt/Component checkGD(Ljava/lang/String;)V
java/awt/Component getTreeLock()Ljava/lang/Object;
java/awt/Component getToolkit()Ljava/awt/Toolkit;
java/awt/Component getToolkitImpl()Ljava/awt/Toolkit;
java/awt/Component isValid()Z
java/awt/Component isDisplayable()Z
java/awt/Component isVisible()Z
java/awt/Component isRecursivelyVisible()Z
java/awt/Component pointRelativeToComponent(Ljava/awt/Point;)Ljava/awt/Point;
java/awt/Component
findUnderMouseInWindow(Ljava/awt/PointerInfo;)Ljava/awt/Component;
java/awt/Component getMousePosition()Ljava/awt/Point;
java/awt/Component isSameOrAncestorOf(Ljava/awt/Component;Z)Z
java/awt/Component isShowing()Z
java/awt/Component isEnabled()Z
java/awt/Component isEnabledImpl()Z
java/awt/Component setEnabled(Z)V
java/awt/Component enable()V
java/awt/Component enable(Z)V
java/awt/Component disable()V
java/awt/Component isDoubleBuffered()Z
java/awt/Component enableInputMethods(Z)V
java/awt/Component setVisible(Z)V
java/awt/Component show()V
java/awt/Component show(Z)V
java/awt/Component containsFocus()Z
java/awt/Component clearMostRecentFocusOwnerOnHide()V
java/awt/Component clearCurrentFocusCycleRootOnHide()V
java/awt/Component hide()V
java/awt/Component getForeground()Ljava/awt/Color;

java/awt/Component setForeground(Ljava/awt/Color;)V
java/awt/Component isForegroundSet()Z
java/awt/Component getBackground()Ljava/awt/Color;
java/awt/Component
setBackground(Ljava/awt/Color;)V
java/awt/Component isBackgroundSet()Z
java/awt/Component getFont()Ljava/awt/Font;
java/awt/Component getFont_NoClientCode()Ljava/awt/Font;
java/awt/Component setFont(Ljava/awt/Font;)V
java/awt/Component isFontSet()Z
java/awt/Component getLocale()Ljava/util/Locale;
java/awt/Component setLocale(Ljava/util/Locale;)V
java/awt/Component getColorModel()Ljava/awt/image/ColorModel;
java/awt/Component getLocation()Ljava/awt/Point;
java/awt/Component getLocationOnScreen()Ljava/awt/Point;
java/awt/Component getLocationOnScreen_NoTreeLock()Ljava/awt/Point;
java/awt/Component location()Ljava/awt/Point;
java/awt/Component setLocation(II)V
java/awt/Component move(II)V
java/awt/Component setLocation(Ljava/awt/Point;)V
java/awt/Component getSize()Ljava/awt/Dimension;
java/awt/Component size()Ljava/awt/Dimension;
java/awt/Component setSize(II)V
java/awt/Component resize(II)V
java/awt/Component setSize(Ljava/awt/Dimension;)V
java/awt/Component resize(Ljava/awt/Dimension;)V
java/awt/Component
getBounds()Ljava/awt/Rectangle;
java/awt/Component bounds()Ljava/awt/Rectangle;
java/awt/Component setBounds(IIII)V
java/awt/Component reshape(IIII)V
java/awt/Component repaintParentIfNeeded(IIII)V
java/awt/Component reshapeNativePeer(IIIII)V
java/awt/Component notifyNewBounds(ZZ)V
java/awt/Component setBounds(Ljava/awt/Rectangle;)V
java/awt/Component getX()I
java/awt/Component getY()I
java/awt/Component getWidth()I
java/awt/Component getHeight()I
java/awt/Component getBounds(Ljava/awt/Rectangle;)Ljava/awt/Rectangle;
java/awt/Component getSize(Ljava/awt/Dimension;)Ljava/awt/Dimension;
java/awt/Component getLocation(Ljava/awt/Point;)Ljava/awt/Point;
java/awt/Component isOpaque()Z
java/awt/Component isLightweight()Z
java/awt/Component setPreferredSize(Ljava/awt/Dimension;)V
java/awt/Component isPreferredSizeSet()Z
java/awt/Component getPreferredSize()Ljava/awt/Dimension;
java/awt/Component preferredSize()Ljava/awt/Dimension;

java/awt/Component setMinimumSize(Ljava/awt/Dimension;)V
java/awt/Component
isMinimumSizeSet()Z
java/awt/Component getMinimumSize()Ljava/awt/Dimension;
java/awt/Component minimumSize()Ljava/awt/Dimension;
java/awt/Component setMaximumSize(Ljava/awt/Dimension;)V
java/awt/Component isMaximumSizeSet()Z
java/awt/Component getMaximumSize()Ljava/awt/Dimension;
java/awt/Component getAlignmentX()F
java/awt/Component getAlignmentY()F
java/awt/Component doLayout()V
java/awt/Component layout()V
java/awt/Component validate()V
java/awt/Component invalidate()V
java/awt/Component getGraphics()Ljava/awt/Graphics;
java/awt/Component getFontMetrics(Ljava/awt/Font;)Ljava/awt/FontMetrics;
java/awt/Component setCursor(Ljava/awt/Cursor;)V
java/awt/Component updateCursorImmediately()V
java/awt/Component getCursor()Ljava/awt/Cursor;
java/awt/Component isCursorSet()Z
java/awt/Component paint(Ljava/awt/Graphics;)V
java/awt/Component update(Ljava/awt/Graphics;)V
java/awt/Component paintAll(Ljava/awt/Graphics;)V
java/awt/Component lightweightPaint(Ljava/awt/Graphics;)V
java/awt/Component
paintHeavyweightComponents(Ljava/awt/Graphics;)V
java/awt/Component repaint()V
java/awt/Component repaint(J)V
java/awt/Component repaint(IIII)V
java/awt/Component repaint(JIIII)V
java/awt/Component print(Ljava/awt/Graphics;)V
java/awt/Component printAll(Ljava/awt/Graphics;)V
java/awt/Component lightweightPrint(Ljava/awt/Graphics;)V
java/awt/Component printHeavyweightComponents(Ljava/awt/Graphics;)V
java/awt/Component imageUpdate(Ljava/awt/Image;IIIII)Z
java/awt/Component createImage(Ljava/awt/image/ImageProducer;)Ljava/awt/Image;
java/awt/Component createImage(II)Ljava/awt/Image;
java/awt/Component createVolatileImage(II)Ljava/awt/image/VolatileImage;
java/awt/Component createVolatileImage(IILjava/awt/ImageCapabilities;)Ljava/awt/image/VolatileImage;
java/awt/Component prepareImage(Ljava/awt/Image;Ljava/awt/image/ImageObserver;)Z
java/awt/Component prepareImage(Ljava/awt/Image;IILjava/awt/image/ImageObserver;)Z
java/awt/Component checkImage(Ljava/awt/Image;Ljava/awt/image/ImageObserver;)I
java/awt/Component
checkImage(Ljava/awt/Image;IILjava/awt/image/ImageObserver;)I
java/awt/Component createBufferStrategy(I)V
java/awt/Component createBufferStrategy(ILjava/awt/BufferCapabilities;)V
java/awt/Component getBufferStrategy()Ljava/awt/image/BufferStrategy;
java/awt/Component getBackBuffer()Ljava/awt/Image;

java/awt/Component setIgnoreRepaint(Z)V
java/awt/Component getIgnoreRepaint()Z
java/awt/Component contains(II)Z
java/awt/Component inside(II)Z
java/awt/Component contains(Ljava/awt/Point;)Z
java/awt/Component getComponentAt(II)Ljava/awt/Component;
java/awt/Component locate(II)Ljava/awt/Component;
java/awt/Component getComponentAt(Ljava/awt/Point;)Ljava/awt/Component;
java/awt/Component deliverEvent(Ljava/awt/Event;)V
java/awt/Component dispatchEvent(Ljava/awt/AWTEvent;)V
java/awt/Component dispatchEventImpl(Ljava/awt/AWTEvent;)V
java/awt/Component autoProcessMouseWheel(Ljava/awt/event/MouseWheelEvent;)V
java/awt/Component
dispatchMouseWheelToAncestor(Ljava/awt/event/MouseWheelEvent;)Z
java/awt/Component checkWindowClosingException()Z
java/awt/Component areInputMethodsEnabled()Z
java/awt/Component eventEnabled(Ljava/awt/AWTEvent;)Z
java/awt/Component eventTypeEnabled(I)Z
java/awt/Component postEvent(Ljava/awt/Event;)Z
java/awt/Component addComponentListener(Ljava/awt/event/ComponentListener;)V
java/awt/Component removeComponentListener(Ljava/awt/event/ComponentListener;)V
java/awt/Component getComponentListeners()[Ljava/awt/event/ComponentListener;
java/awt/Component addFocusListener(Ljava/awt/event/FocusListener;)V
java/awt/Component removeFocusListener(Ljava/awt/event/FocusListener;)V
java/awt/Component getFocusListeners()[Ljava/awt/event/FocusListener;
java/awt/Component addHierarchyListener(Ljava/awt/event/HierarchyListener;)V
java/awt/Component removeHierarchyListener(Ljava/awt/event/HierarchyListener;)V
java/awt/Component getHierarchyListeners()[Ljava/awt/event/HierarchyListener;
java/awt/Component
addHierarchyBoundsListener(Ljava/awt/event/HierarchyBoundsListener;)V
java/awt/Component removeHierarchyBoundsListener(Ljava/awt/event/HierarchyBoundsListener;)V
java/awt/Component numListening(J)I
java/awt/Component countHierarchyMembers()I
java/awt/Component createHierarchyEvents(ILjava/awt/Component;Ljava/awt/Container;JZ)I
java/awt/Component getHierarchyBoundsListeners()[Ljava/awt/event/HierarchyBoundsListener;
java/awt/Component adjustListeningChildrenOnParent(JI)V
java/awt/Component addKeyListener(Ljava/awt/event/KeyListener;)V
java/awt/Component removeKeyListener(Ljava/awt/event/KeyListener;)V
java/awt/Component getKeyListeners()[Ljava/awt/event/KeyListener;
java/awt/Component addMouseListener(Ljava/awt/event/MouseListener;)V
java/awt/Component removeMouseListener(Ljava/awt/event/MouseListener;)V
java/awt/Component getMouseListeners()[Ljava/awt/event/MouseListener;
java/awt/Component addMouseMotionListener(Ljava/awt/event/MouseMotionListener;)V
java/awt/Component removeMouseMotionListener(Ljava/awt/event/MouseMotionListener;)V
java/awt/Component
getMouseMotionListeners()[Ljava/awt/event/MouseMotionListener;
java/awt/Component addMouseWheelListener(Ljava/awt/event/MouseWheelListener;)V
java/awt/Component removeMouseWheelListener(Ljava/awt/event/MouseWheelListener;)V

java/awt/Component getMouseWheelListeners()[Ljava/awt/event/MouseWheelListener;
java/awt/Component addInputMethodListener(Ljava/awt/event/InputMethodListener;)V
java/awt/Component removeInputMethodListener(Ljava/awt/event/InputMethodListener;)V
java/awt/Component getInputMethodListeners()[Ljava/awt/event/InputMethodListener;
java/awt/Component getListeners(Ljava/lang/Class;)[Ljava/util/EventListener;
java/awt/Component getInputMethodRequests()Ljava/awt/im/InputMethodRequests;
java/awt/Component getInputContext()Ljava/awt/im/InputContext;
java/awt/Component enableEvents(J)V
java/awt/Component disableEvents(J)V
java/awt/Component coalesceEvents(Ljava/awt/AWTEvent;Ljava/awt/AWTEvent;)Ljava/awt/AWTEvent;
java/awt/Component
processEvent(Ljava/awt/AWTEvent;)V
java/awt/Component processComponentEvent(Ljava/awt/event/ComponentEvent;)V
java/awt/Component processFocusEvent(Ljava/awt/event/FocusEvent;)V
java/awt/Component processKeyEvent(Ljava/awt/event/KeyEvent;)V
java/awt/Component processMouseEvent(Ljava/awt/event/MouseEvent;)V
java/awt/Component processMouseMotionEvent(Ljava/awt/event/MouseEvent;)V
java/awt/Component processMouseWheelEvent(Ljava/awt/event/MouseWheelEvent;)V
java/awt/Component postsOldMouseEvents()Z
java/awt/Component processInputMethodEvent(Ljava/awt/event/InputMethodEvent;)V
java/awt/Component processHierarchyEvent(Ljava/awt/event/HierarchyEvent;)V
java/awt/Component processHierarchyBoundsEvent(Ljava/awt/event/HierarchyEvent;)V
java/awt/Component handleEvent(Ljava/awt/Event;)Z
java/awt/Component mouseDown(Ljava/awt/Event;II)Z
java/awt/Component mouseDrag(Ljava/awt/Event;II)Z
java/awt/Component mouseUp(Ljava/awt/Event;II)Z
java/awt/Component mouseMove(Ljava/awt/Event;II)Z
java/awt/Component
mouseEnter(Ljava/awt/Event;II)Z
java/awt/Component mouseExit(Ljava/awt/Event;II)Z
java/awt/Component keyDown(Ljava/awt/Event;I)Z
java/awt/Component keyUp(Ljava/awt/Event;I)Z
java/awt/Component action(Ljava/awt/Event;Ljava/lang/Object;)Z
java/awt/Component addNotify()V
java/awt/Component removeNotify()V
java/awt/Component gotFocus(Ljava/awt/Event;Ljava/lang/Object;)Z
java/awt/Component lostFocus(Ljava/awt/Event;Ljava/lang/Object;)Z
java/awt/Component isFocusTraversable()Z
java/awt/Component isFocusable()Z
java/awt/Component setFocusable(Z)V
java/awt/Component isFocusTraversableOverridden()Z
java/awt/Component setFocusTraversalKeys(ILjava/util/Set;)V
java/awt/Component getFocusTraversalKeys(I)Ljava/util/Set;
java/awt/Component setFocusTraversalKeys_NoIDCheck(ILjava/util/Set;)V
java/awt/Component getFocusTraversalKeys_NoIDCheck(I)Ljava/util/Set;
java/awt/Component areFocusTraversalKeysSet(I)Z
java/awt/Component setFocusTraversalKeysEnabled(Z)V
java/awt/Component

getFocusTraversalKeysEnabled()Z
java/awt/Component requestFocus()V
java/awt/Component requestFocus(Z)Z
java/awt/Component requestFocusInWindow()Z
java/awt/Component requestFocusInWindow(Z)Z
java/awt/Component requestFocusHelper(ZZ)Z
java/awt/Component autoTransferFocus(Z)V
java/awt/Component doAutoTransfer(Z)V
java/awt/Component transferFocus()V
java/awt/Component getFocusCycleRootAncestor()Ljava/awt/Container;
java/awt/Component isFocusCycleRoot(Ljava/awt/Container;)Z
java/awt/Component nextFocus()V
java/awt/Component nextFocusHelper()Z
java/awt/Component transferFocusBackward()V
java/awt/Component transferFocusUpCycle()V
java/awt/Component hasFocus()Z
java/awt/Component isFocusOwner()Z
java/awt/Component add(Ljava/awt/PopupMenu;)V
java/awt/Component remove(Ljava/awt/MenuComponent;)V
java/awt/Component paramString()Ljava/lang/String;
java/awt/Component toString()Ljava/lang/String;
java/awt/Component list()V
java/awt/Component list(Ljava/io/PrintStream;)V
java/awt/Component list(Ljava/io/PrintStream;I)V
java/awt/Component
list(Ljava/io/PrintWriter;)V
java/awt/Component list(Ljava/io/PrintWriter;I)V
java/awt/Component getNativeContainer()Ljava/awt/Container;
java/awt/Component addPropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/awt/Component removePropertyChangeListener(Ljava/beans/PropertyChangeListener;)V
java/awt/Component getPropertyChangeListeners()[Ljava/beans/PropertyChangeListener;
java/awt/Component addPropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/awt/Component removePropertyChangeListener(Ljava/lang/String;Ljava/beans/PropertyChangeListener;)V
java/awt/Component getPropertyChangeListeners(Ljava/lang/String;)[Ljava/beans/PropertyChangeListener;
java/awt/Component firePropertyChange(Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Object;)V
java/awt/Component firePropertyChange(Ljava/lang/String;ZZ)V
java/awt/Component firePropertyChange(Ljava/lang/String;II)V
java/awt/Component firePropertyChange(Ljava/lang/String;BB)V
java/awt/Component
firePropertyChange(Ljava/lang/String;CC)V
java/awt/Component firePropertyChange(Ljava/lang/String;SS)V
java/awt/Component firePropertyChange(Ljava/lang/String;JJ)V
java/awt/Component firePropertyChange(Ljava/lang/String;FF)V
java/awt/Component firePropertyChange(Ljava/lang/String;DD)V
java/awt/Component doSwingSerialization()V
java/awt/Component writeObject(Ljava/io/ObjectOutputStream;)V
java/awt/Component readObject(Ljava/io/ObjectInputStream;)V
java/awt/Component setComponentOrientation(Ljava/awt/ComponentOrientation;)V

java/awt/Component getComponentOrientation()Ljava/awt/ComponentOrientation;
java/awt/Component applyComponentOrientation(Ljava/awt/ComponentOrientation;)V
java/awt/Component canBeFocusOwner()Z
java/awt/Component getContainingWindow()Ljava/awt/Window;
java/awt/Component getContainingWindow(Ljava/awt/Component;)Ljava/awt/Window;
java/awt/Component initIDs()V
java/awt/Component getAccessibleContext()Ljavax/accessibility/AccessibleContext;
java/awt/Component
getAccessibleIndexInParent()I
java/awt/Component getAccessibleStateSet()Ljavax/accessibility/AccessibleStateSet;
java/awt/Component <clinit>()V
class java/awt/image/ImageObserver java/lang/Object
java/awt/image/ImageObserver WIDTH
java/awt/image/ImageObserver HEIGHT
java/awt/image/ImageObserver PROPERTIES
java/awt/image/ImageObserver SOMEBITS
java/awt/image/ImageObserver FRAMEBITS
java/awt/image/ImageObserver ALLBITS
java/awt/image/ImageObserver ERROR
java/awt/image/ImageObserver ABORT
java/awt/image/ImageObserver imageUpdate(Ljava/awt/Image;IIIII)Z
class java/awt/MenuContainer java/lang/Object
java/awt/MenuContainer getFont()Ljava/awt/Font;
java/awt/MenuContainer remove(Ljava/awt/MenuComponent;)V
java/awt/MenuContainer postEvent(Ljava/awt/Event;)Z
class java/lang/Shutdown$Lock java/lang/Object
java/lang/Shutdown$Lock <init>()V
java/lang/Shutdown$Lock <init>(Ljava/lang/Shutdown$1;)V
class java/lang/Shutdown java/lang/Object
java/lang/Shutdown RUNNING
java/lang/Shutdown
HOOKS
java/lang/Shutdown FINALIZERS
java/lang/Shutdown state
java/lang/Shutdown runFinalizersOnExit
java/lang/Shutdown hooks
java/lang/Shutdown lock
java/lang/Shutdown haltLock
java/lang/Shutdown <init>()V
java/lang/Shutdown setRunFinalizersOnExit(Z)V
java/lang/Shutdown add(Ljava/lang/Thread;)V
java/lang/Shutdown remove(Ljava/lang/Thread;)Z
java/lang/Shutdown runHooks()V
java/lang/Shutdown halt(I)V
java/lang/Shutdown halt0(I)V
java/lang/Shutdown runAllFinalizers()V
java/lang/Shutdown sequence()V
java/lang/Shutdown exit(I)V

java/lang/Shutdown shutdown()V
java/lang/Shutdown <clinit>()V
class java/security/cert/Certificate java/lang/Object
java/security/cert/Certificate serialVersionUID
java/security/cert/Certificate type
java/security/cert/Certificate <init>(Ljava/lang/String;)V
java/security/cert/Certificate getType()Ljava/lang/String;
java/security/cert/Certificate equals(Ljava/lang/Object;)Z
java/security/cert/Certificate hashCode()I
java/security/cert/Certificate getEncoded()[B
java/security/cert/Certificate
 verify(Ljava/security/PublicKey;)V
java/security/cert/Certificate verify(Ljava/security/PublicKey;Ljava/lang/String;)V
java/security/cert/Certificate toString()Ljava/lang/String;
java/security/cert/Certificate getPublicKey()Ljava/security/PublicKey;
java/security/cert/Certificate writeReplace()Ljava/lang/Object;
class java/security/Principal java/lang/Object
java/security/Principal equals(Ljava/lang/Object;)Z
java/security/Principal toString()Ljava/lang/String;
java/security/Principal hashCode()I
java/security/Principal getName()Ljava/lang/String;
class java/security/BasicPermissionCollection java/security/PermissionCollection
java/security/BasicPermissionCollection serialVersionUID
java/security/BasicPermissionCollection perms
java/security/BasicPermissionCollection all_allowed
java/security/BasicPermissionCollection permClass
java/security/BasicPermissionCollection serialPersistentFields
java/security/BasicPermissionCollection <init>()V
java/security/BasicPermissionCollection
 add(Ljava/security/Permission;)V
java/security/BasicPermissionCollection implies(Ljava/security/Permission;)Z
java/security/BasicPermissionCollection elements()Ljava/util/Enumeration;
java/security/BasicPermissionCollection writeObject(Ljava/io/ObjectOutputStream;)V
java/security/BasicPermissionCollection readObject(Ljava/io/ObjectInputStream;)V
java/security/BasicPermissionCollection <clinit>()V
class java/security/UnresolvedPermission java/security/Permission
java/security/UnresolvedPermission serialVersionUID
java/security/UnresolvedPermission debug
java/security/UnresolvedPermission type
java/security/UnresolvedPermission name
java/security/UnresolvedPermission actions
java/security/UnresolvedPermission certs
java/security/UnresolvedPermission PARAMS0
java/security/UnresolvedPermission PARAMS1
java/security/UnresolvedPermission PARAMS2
java/security/UnresolvedPermission
<init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;[Ljava/security/cert/Certificate;)V
java/security/UnresolvedPermission

resolve(Ljava/security/Permission;[Ljava/security/cert/Certificate;)Ljava/security/Permission;
java/security/UnresolvedPermission implies(Ljava/security/Permission;)Z
java/security/UnresolvedPermission equals(Ljava/lang/Object;)Z
java/security/UnresolvedPermission hashCode()I
java/security/UnresolvedPermission getActions()Ljava/lang/String;
java/security/UnresolvedPermission getUnresolvedType()Ljava/lang/String;
java/security/UnresolvedPermission getUnresolvedName()Ljava/lang/String;
java/security/UnresolvedPermission getUnresolvedActions()Ljava/lang/String;
java/security/UnresolvedPermission getUnresolvedCerts()[Ljava/security/cert/Certificate;
java/security/UnresolvedPermission toString()Ljava/lang/String;
java/security/UnresolvedPermission newPermissionCollection()Ljava/security/PermissionCollection;
java/security/UnresolvedPermission writeObject(Ljava/io/ObjectOutputStream;)V
java/security/UnresolvedPermission readObject(Ljava/io/ObjectInputStream;)V
java/security/UnresolvedPermission
<clinit>()V
class java/security/AllPermission java/security/Permission
java/security/AllPermission serialVersionUID
java/security/AllPermission <init>()V
java/security/AllPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
java/security/AllPermission implies(Ljava/security/Permission;)Z
java/security/AllPermission equals(Ljava/lang/Object;)Z
java/security/AllPermission hashCode()I
java/security/AllPermission getActions()Ljava/lang/String;
java/security/AllPermission newPermissionCollection()Ljava/security/PermissionCollection;
class java/io/FilePermissionCollection java/security/PermissionCollection
java/io/FilePermissionCollection perms
java/io/FilePermissionCollection serialVersionUID
java/io/FilePermissionCollection serialPersistentFields
java/io/FilePermissionCollection <init>()V
java/io/FilePermissionCollection add(Ljava/security/Permission;)V
java/io/FilePermissionCollection implies(Ljava/security/Permission;)Z
java/io/FilePermissionCollection
elements()Ljava/util/Enumeration;
java/io/FilePermissionCollection writeObject(Ljava/io/ObjectOutputStream;)V
java/io/FilePermissionCollection readObject(Ljava/io/ObjectInputStream;)V
java/io/FilePermissionCollection <clinit>()V
class java/io/FilePermission$1 java/lang/Object
java/io/FilePermission$1 this$0
java/io/FilePermission$1 <init>(Ljava/io/FilePermission;)V
java/io/FilePermission$1 run()Ljava/lang/Object;
class java/io/FilePermission java/security/Permission
java/io/FilePermission EXECUTE
java/io/FilePermission WRITE
java/io/FilePermission READ
java/io/FilePermission DELETE
java/io/FilePermission ALL
java/io/FilePermission NONE
java/io/FilePermission mask

java/io/FilePermission directory
java/io/FilePermission recursive
java/io/FilePermission actions
java/io/FilePermission cpath
java/io/FilePermission RECURSIVE_CHAR
java/io/FilePermission WILD_CHAR
java/io/FilePermission serialVersionUID
java/io/FilePermission init(I)V
java/io/FilePermission <init>(Ljava/lang/String;Ljava/lang/String;)V
java/io/FilePermission
<init>(Ljava/lang/String;I)V
java/io/FilePermission implies(Ljava/security/Permission;)Z
java/io/FilePermission impliesIgnoreMask(Ljava/io/FilePermission;)Z
java/io/FilePermission equals(Ljava/lang/Object;)Z
java/io/FilePermission hashCode()I
java/io/FilePermission getMask(Ljava/lang/String;)I
java/io/FilePermission getMask()I
java/io/FilePermission getActions(I)Ljava/lang/String;
java/io/FilePermission getActions()Ljava/lang/String;
java/io/FilePermission newPermissionCollection()Ljava/security/PermissionCollection;
java/io/FilePermission writeObject(Ljava/io/ObjectOutputStream;)V
java/io/FilePermission readObject(Ljava/io/ObjectInputStream;)V
java/io/FilePermission access$000(Ljava/io/FilePermission;)Ljava/lang/String;
java/io/FilePermission access$100(Ljava/io/FilePermission;)Z
class java/net/UnknownContentHandler java/net/ContentHandler
java/net/UnknownContentHandler <init>()V
java/net/UnknownContentHandler getContent(Ljava/net/URLConnection;)Ljava/lang/Object;
class
java/net/ContentHandler java/lang/Object
java/net/ContentHandler <init>()V
java/net/ContentHandler getContent(Ljava/net/URLConnection;)Ljava/lang/Object;
java/net/ContentHandler getContent(Ljava/net/URLConnection;[Ljava/lang/Class;)Ljava/lang/Object;
class java/net/URLConnection java/lang/Object
java/net/URLConnection url
java/net/URLConnection doInput
java/net/URLConnection doOutput
java/net/URLConnection defaultAllowUserInteraction
java/net/URLConnection allowUserInteraction
java/net/URLConnection defaultUseCaches
java/net/URLConnection useCaches
java/net/URLConnection ifModifiedSince
java/net/URLConnection connected
java/net/URLConnection connectTimeout
java/net/URLConnection readTimeout
java/net/URLConnection fileNameMap
java/net/URLConnection fileNameMapLoaded
java/net/URLConnection factory
java/net/URLConnection handlers

java/net/URLConnection UnknownContentHandlerP
java/net/URLConnection contentClassPrefix
java/net/URLConnection contentPathProp
java/net/URLConnection
getFileNameMap()Ljava/net/FileNameMap;
java/net/URLConnection setFileNameMap(Ljava/net/FileNameMap;)V
java/net/URLConnection connect()V
java/net/URLConnection setConnectTimeout(I)V
java/net/URLConnection getConnectTimeout()I
java/net/URLConnection setReadTimeout(I)V
java/net/URLConnection getReadTimeout()I
java/net/URLConnection <init>(Ljava/net/URL;)V
java/net/URLConnection getURL()Ljava/net/URL;
java/net/URLConnection getContentLength()I
java/net/URLConnection getContentType()Ljava/lang/String;
java/net/URLConnection getContentEncoding()Ljava/lang/String;
java/net/URLConnection getExpiration()J
java/net/URLConnection getDate()J
java/net/URLConnection getLastModified()J
java/net/URLConnection getHeaderField(Ljava/lang/String;)Ljava/lang/String;
java/net/URLConnection getHeaderFields()Ljava/util/Map;
java/net/URLConnection getHeaderFieldInt(Ljava/lang/String;I)I
java/net/URLConnection getHeaderFieldDate(Ljava/lang/String;J)J
java/net/URLConnection getHeaderFieldKey(I)Ljava/lang/String;
java/net/URLConnection
getHeaderField(I)Ljava/lang/String;
java/net/URLConnection getContent()Ljava/lang/Object;
java/net/URLConnection getContent([Ljava/lang/Class;)Ljava/lang/Object;
java/net/URLConnection getPermission()Ljava/security/Permission;
java/net/URLConnection getInputStream()Ljava/io/InputStream;
java/net/URLConnection getOutputStream()Ljava/io/OutputStream;
java/net/URLConnection toString()Ljava/lang/String;
java/net/URLConnection setDoInput(Z)V
java/net/URLConnection getDoInput()Z
java/net/URLConnection setDoOutput(Z)V
java/net/URLConnection getDoOutput()Z
java/net/URLConnection setAllowUserInteraction(Z)V
java/net/URLConnection getAllowUserInteraction()Z
java/net/URLConnection setDefaultAllowUserInteraction(Z)V
java/net/URLConnection getDefaultAllowUserInteraction()Z
java/net/URLConnection setUseCaches(Z)V
java/net/URLConnection getUseCaches()Z
java/net/URLConnection setIfModifiedSince(J)V
java/net/URLConnection getIfModifiedSince()J
java/net/URLConnection
getDefaultUseCaches()Z
java/net/URLConnection setDefaultUseCaches(Z)V
java/net/URLConnection setRequestProperty(Ljava/lang/String;Ljava/lang/String;)V

java/net/URLConnection addRequestProperty(Ljava/lang/String;Ljava/lang/String;)V
java/net/URLConnection getRequestProperty(Ljava/lang/String;)Ljava/lang/String;
java/net/URLConnection getRequestProperties()Ljava/util/Map;
java/net/URLConnection setDefaultRequestProperty(Ljava/lang/String;Ljava/lang/String;)V
java/net/URLConnection getDefaultRequestProperty(Ljava/lang/String;)Ljava/lang/String;
java/net/URLConnection setContentHandlerFactory(Ljava/net/ContentHandlerFactory;)V
java/net/URLConnection getContentHandler()Ljava/net/ContentHandler;
java/net/URLConnection stripOffParameters(Ljava/lang/String;)Ljava/lang/String;
java/net/URLConnection lookupContentHandlerClassFor(Ljava/lang/String;)Ljava/net/ContentHandler;
java/net/URLConnection typeToPackageName(Ljava/lang/String;)Ljava/lang/String;
java/net/URLConnection getContentHandlerPkgPrefixes()Ljava/lang/String;
java/net/URLConnection
guessContentTypeFromName(Ljava/lang/String;)Ljava/lang/String;
java/net/URLConnection guessContentTypeFromStream(Ljava/io/InputStream;)Ljava/lang/String;
java/net/URLConnection checkfpx(Ljava/io/InputStream;)Z
java/net/URLConnection readBytes([IILjava/io/InputStream;)I
java/net/URLConnection skipForward(Ljava/io/InputStream;J)J
java/net/URLConnection access$000()Ljava/net/FileNameMap;
java/net/URLConnection <clinit>()V
class java/security/Permissions java/security/PermissionCollection
java/security/Permissions permsMap
java/security/Permissions hasUnresolved
java/security/Permissions allPermission
java/security/Permissions serialVersionUID
java/security/Permissions serialPersistentFields
java/security/Permissions <init>()V
java/security/Permissions add(Ljava/security/Permission;)V
java/security/Permissions implies(Ljava/security/Permission;)Z
java/security/Permissions elements()Ljava/util/Enumeration;
java/security/Permissions
getPermissionCollection(Ljava/security/Permission;Z)Ljava/security/PermissionCollection;
java/security/Permissions
getUnresolvedPermissions(Ljava/security/Permission;)Ljava/security/PermissionCollection;
java/security/Permissions writeObject(Ljava/io/ObjectOutputStream;)V
java/security/Permissions readObject(Ljava/io/ObjectInputStream;)V
java/security/Permissions <clinit>()V
class java/security/PermissionCollection java/lang/Object
java/security/PermissionCollection serialVersionUID
java/security/PermissionCollection readOnly
java/security/PermissionCollection <init>()V
java/security/PermissionCollection add(Ljava/security/Permission;)V
java/security/PermissionCollection implies(Ljava/security/Permission;)Z
java/security/PermissionCollection elements()Ljava/util/Enumeration;
java/security/PermissionCollection setReadOnly()V
java/security/PermissionCollection isReadOnly()Z
java/security/PermissionCollection toString()Ljava/lang/String;
class java/security/CodeSource java/lang/Object
java/security/CodeSource

serialVersionUID
java/security/CodeSource location
java/security/CodeSource signers
java/security/CodeSource certs
java/security/CodeSource sp
java/security/CodeSource factory
java/security/CodeSource <init>(Ljava/net/URL;[Ljava/security/cert/Certificate;)V
java/security/CodeSource <init>(Ljava/net/URL;[Ljava/security/CodeSigner;)V
java/security/CodeSource hashCode()I
java/security/CodeSource equals(Ljava/lang/Object;)Z
java/security/CodeSource getLocation()Ljava/net/URL;
java/security/CodeSource getCertificates()[Ljava/security/cert/Certificate;
java/security/CodeSource getCodeSigners()[Ljava/security/CodeSigner;
java/security/CodeSource implies(Ljava/security/CodeSource;)Z
java/security/CodeSource matchCerts(Ljava/security/CodeSource;Z)Z
java/security/CodeSource matchLocation(Ljava/security/CodeSource;)Z
java/security/CodeSource toString()Ljava/lang/String;
java/security/CodeSource writeObject(Ljava/io/ObjectOutputStream;)V
java/security/CodeSource readObject(Ljava/io/ObjectInputStream;)V
java/security/CodeSource
convertCertArrayToSignerArray([Ljava/security/cert/Certificate;)[Ljava/security/CodeSigner;
class java/security/PrivilegedActionException java/lang/Exception
java/security/PrivilegedActionException serialVersionUID
java/security/PrivilegedActionException exception
java/security/PrivilegedActionException <init>(Ljava/lang/Exception;)V
java/security/PrivilegedActionException getException()Ljava/lang/Exception;
java/security/PrivilegedActionException getCause()Ljava/lang/Throwable;
java/security/PrivilegedActionException toString()Ljava/lang/String;
class java/lang/Math java/lang/Object
java/lang/Math E
java/lang/Math PI
java/lang/Math randomNumberGenerator
java/lang/Math negativeZeroFloatBits
java/lang/Math negativeZeroDoubleBits
java/lang/Math <init>()V
java/lang/Math sin(D)D
java/lang/Math cos(D)D
java/lang/Math tan(D)D
java/lang/Math asin(D)D
java/lang/Math acos(D)D
java/lang/Math atan(D)D
java/lang/Math toRadians(D)D
java/lang/Math
toDegrees(D)D
java/lang/Math exp(D)D
java/lang/Math log(D)D
java/lang/Math log10(D)D
java/lang/Math sqrt(D)D

java/lang/Math cbrt(D)D
java/lang/Math IEEEremainder(DD)D
java/lang/Math ceil(D)D
java/lang/Math floor(D)D
java/lang/Math rint(D)D
java/lang/Math atan2(DD)D
java/lang/Math pow(DD)D
java/lang/Math round(F)I
java/lang/Math round(D)J
java/lang/Math initRNG()V
java/lang/Math random()D
java/lang/Math abs(I)I
java/lang/Math abs(J)J
java/lang/Math abs(F)F
java/lang/Math abs(D)D
java/lang/Math max(II)I
java/lang/Math max(JJ)J
java/lang/Math max(FF)F
java/lang/Math max(DD)D
java/lang/Math min(II)I
java/lang/Math min(JJ)J
java/lang/Math min(FF)F
java/lang/Math min(DD)D
java/lang/Math ulp(D)D
java/lang/Math ulp(F)F
java/lang/Math signum(D)D
java/lang/Math signum(F)F
java/lang/Math sinh(D)D
java/lang/Math cosh(D)D
java/lang/Math tanh(D)D
java/lang/Math hypot(DD)D
java/lang/Math expm1(D)D
java/lang/Math log1p(D)D
java/lang/Math <clinit>()V
class java/util/zip/Inflater java/lang/Object
java/util/zip/Inflater
 strm
java/util/zip/Inflater buf
java/util/zip/Inflater off
java/util/zip/Inflater len
java/util/zip/Inflater finished
java/util/zip/Inflater needDict
java/util/zip/Inflater <init>(Z)V
java/util/zip/Inflater <init>()V
java/util/zip/Inflater setInput([BII)V
java/util/zip/Inflater setInput([B)V
java/util/zip/Inflater setDictionary([BII)V
java/util/zip/Inflater setDictionary([B)V

java/util/zip/Inflater getRemaining()I
java/util/zip/Inflater needsInput()Z
java/util/zip/Inflater needsDictionary()Z
java/util/zip/Inflater finished()Z
java/util/zip/Inflater inflate([BII)I
java/util/zip/Inflater inflate([B)I
java/util/zip/Inflater getAdler()I
java/util/zip/Inflater getTotalIn()I
java/util/zip/Inflater getBytesRead()J
java/util/zip/Inflater getTotalOut()I
java/util/zip/Inflater getBytesWritten()J
java/util/zip/Inflater reset()V
java/util/zip/Inflater end()V
java/util/zip/Inflater finalize()V
java/util/zip/Inflater ensureOpen()V
java/util/zip/Inflater initIDs()V
java/util/zip/Inflater
 init(Z)J
java/util/zip/Inflater setDictionary(J[BII)V
java/util/zip/Inflater inflateBytes([BII)I
java/util/zip/Inflater getAdler(J)I
java/util/zip/Inflater getBytesRead(J)J
java/util/zip/Inflater getBytesWritten(J)J
java/util/zip/Inflater reset(J)V
java/util/zip/Inflater end(J)V
java/util/zip/Inflater <clinit>()V
class java/util/zip/ZipFile$2 java/util/zip/InflaterInputStream
java/util/zip/ZipFile$2 isClosed
java/util/zip/ZipFile$2 eof
java/util/zip/ZipFile$2 val$zfin
java/util/zip/ZipFile$2 this$0
java/util/zip/ZipFile$2
<init>(Ljava/util/zip/ZipFile;Ljava/io/InputStream;Ljava/util/zip/Inflater;ILjava/util/zip/ZipFile$ZipFileInputStream
;)V
java/util/zip/ZipFile$2 close()V
java/util/zip/ZipFile$2 fill()V
java/util/zip/ZipFile$2 available()I
class java/util/zip/InflaterInputStream java/io/FilterInputStream
java/util/zip/InflaterInputStream inf
java/util/zip/InflaterInputStream buf
java/util/zip/InflaterInputStream len
java/util/zip/InflaterInputStream closed
java/util/zip/InflaterInputStream
 reachEOF
java/util/zip/InflaterInputStream usesDefaultInflater
java/util/zip/InflaterInputStream singleByteBuf
java/util/zip/InflaterInputStream b
java/util/zip/InflaterInputStream ensureOpen()V

java/util/zip/InflaterInputStream <init>(Ljava/io/InputStream;Ljava/util/zip/Inflater;I)V
java/util/zip/InflaterInputStream <init>(Ljava/io/InputStream;Ljava/util/zip/Inflater;)V
java/util/zip/InflaterInputStream <init>(Ljava/io/InputStream;)V
java/util/zip/InflaterInputStream read()I
java/util/zip/InflaterInputStream read([BII)I
java/util/zip/InflaterInputStream available()I
java/util/zip/InflaterInputStream skip(J)J
java/util/zip/InflaterInputStream close()V
java/util/zip/InflaterInputStream fill()V
java/util/zip/InflaterInputStream markSupported()Z
java/util/zip/InflaterInputStream mark(I)V
java/util/zip/InflaterInputStream reset()V
class java/util/zip/ZipFile$ZipFileInputStream java/io/InputStream
java/util/zip/ZipFile$ZipFileInputStream jzentry
java/util/zip/ZipFile$ZipFileInputStream
pos
java/util/zip/ZipFile$ZipFileInputStream rem
java/util/zip/ZipFile$ZipFileInputStream size
java/util/zip/ZipFile$ZipFileInputStream this$0
java/util/zip/ZipFile$ZipFileInputStream <init>(Ljava/util/zip/ZipFile;J)V
java/util/zip/ZipFile$ZipFileInputStream read([BII)I
java/util/zip/ZipFile$ZipFileInputStream read()I
java/util/zip/ZipFile$ZipFileInputStream skip(J)J
java/util/zip/ZipFile$ZipFileInputStream available()I
java/util/zip/ZipFile$ZipFileInputStream size()J
java/util/zip/ZipFile$ZipFileInputStream close()V
class java/io/DataInputStream java/io/FilterInputStream
java/io/DataInputStream bytearr
java/io/DataInputStream chararr
java/io/DataInputStream readBuffer
java/io/DataInputStream lineBuffer
java/io/DataInputStream <init>(Ljava/io/InputStream;)V
java/io/DataInputStream read([B)I
java/io/DataInputStream read([BII)I
java/io/DataInputStream readFully([B)V
java/io/DataInputStream readFully([BII)V
java/io/DataInputStream skipBytes(I)I
java/io/DataInputStream readBoolean()Z
java/io/DataInputStream
readByte()B
java/io/DataInputStream readUnsignedByte()I
java/io/DataInputStream readShort()S
java/io/DataInputStream readUnsignedShort()I
java/io/DataInputStream readChar()C
java/io/DataInputStream readInt()I
java/io/DataInputStream readLong()J
java/io/DataInputStream readFloat()F
java/io/DataInputStream readDouble()D

java/io/DataInputStream readLine()Ljava/lang/String;
java/io/DataInputStream readUTF()Ljava/lang/String;
java/io/DataInputStream readUTF(Ljava/io/DataInput;)Ljava/lang/String;
class java/io/DataInput java/lang/Object
java/io/DataInput readFully([B)V
java/io/DataInput readFully([BII)V
java/io/DataInput skipBytes(I)I
java/io/DataInput readBoolean()Z
java/io/DataInput readByte()B
java/io/DataInput readUnsignedByte()I
java/io/DataInput readShort()S
java/io/DataInput readUnsignedShort()I
java/io/DataInput readChar()C
java/io/DataInput readInt()I
java/io/DataInput readLong()J
java/io/DataInput readFloat()F
java/io/DataInput readDouble()D
java/io/DataInput
readLine()Ljava/lang/String;
java/io/DataInput readUTF()Ljava/lang/String;
class java/util/jar/JarFile$JarFileEntry java/util/jar/JarEntry
java/util/jar/JarFile$JarFileEntry this$0
java/util/jar/JarFile$JarFileEntry <init>(Ljava/util/jar/JarFile;Ljava/util/zip/ZipEntry;)V
java/util/jar/JarFile$JarFileEntry getAttributes()Ljava/util/jar/Attributes;
java/util/jar/JarFile$JarFileEntry getCertificates()[Ljava/security/cert/Certificate;
java/util/jar/JarFile$JarFileEntry getCodeSigners()[Ljava/security/CodeSigner;
class java/util/jar/JarEntry java/util/zip/ZipEntry
java/util/jar/JarEntry attr
java/util/jar/JarEntry certs
java/util/jar/JarEntry signers
java/util/jar/JarEntry <init>(Ljava/lang/String;)V
java/util/jar/JarEntry <init>(Ljava/util/zip/ZipEntry;)V
java/util/jar/JarEntry <init>(Ljava/util/jar/JarEntry;)V
java/util/jar/JarEntry getAttributes()Ljava/util/jar/Attributes;
java/util/jar/JarEntry getCertificates()[Ljava/security/cert/Certificate;
java/util/jar/JarEntry getCodeSigners()[Ljava/security/CodeSigner;
class
java/util/zip/ZipEntry java/lang/Object
java/util/zip/ZipEntry name
java/util/zip/ZipEntry time
java/util/zip/ZipEntry crc
java/util/zip/ZipEntry size
java/util/zip/ZipEntry csize
java/util/zip/ZipEntry method
java/util/zip/ZipEntry extra
java/util/zip/ZipEntry comment
java/util/zip/ZipEntry flag
java/util/zip/ZipEntry version

java/util/zip/ZipEntry offset
java/util/zip/ZipEntry STORED
java/util/zip/ZipEntry DEFLATED
java/util/zip/ZipEntry initIDs()V
java/util/zip/ZipEntry <init>(Ljava/lang/String;)V
java/util/zip/ZipEntry <init>(Ljava/util/zip/ZipEntry;)V
java/util/zip/ZipEntry <init>(Ljava/lang/String;J)V
java/util/zip/ZipEntry initFields(J)V
java/util/zip/ZipEntry <init>(J)V
java/util/zip/ZipEntry getName()Ljava/lang/String;
java/util/zip/ZipEntry setTime(J)V
java/util/zip/ZipEntry getTime()J
java/util/zip/ZipEntry setSize(J)V
java/util/zip/ZipEntry getSize()J
java/util/zip/ZipEntry getCompressedSize()J
java/util/zip/ZipEntry setCompressedSize(J)V
java/util/zip/ZipEntry
setCrc(J)V
java/util/zip/ZipEntry getCrc()J
java/util/zip/ZipEntry setMethod(I)V
java/util/zip/ZipEntry getMethod()I
java/util/zip/ZipEntry setExtra([B)V
java/util/zip/ZipEntry getExtra()[B
java/util/zip/ZipEntry setComment(Ljava/lang/String;)V
java/util/zip/ZipEntry getComment()Ljava/lang/String;
java/util/zip/ZipEntry isDirectory()Z
java/util/zip/ZipEntry toString()Ljava/lang/String;
java/util/zip/ZipEntry dosToJavaTime(J)J
java/util/zip/ZipEntry javaToDosTime(J)J
java/util/zip/ZipEntry hashCode()I
java/util/zip/ZipEntry clone()Ljava/lang/Object;
java/util/zip/ZipEntry <clinit>()V
class java/util/jar/JavaUtilJarAccessImpl java/lang/Object
java/util/jar/JavaUtilJarAccessImpl <init>()V
java/util/jar/JavaUtilJarAccessImpl jarFileHasClassPathAttribute(Ljava/util/jar/JarFile;)Z
class java/util/jar/JarFile java/util/zip/ZipFile
java/util/jar/JarFile manRef
java/util/jar/JarFile manEntry
java/util/jar/JarFile jv
java/util/jar/JarFile jvInitialized
java/util/jar/JarFile
verify
java/util/jar/JarFile computedHasClassPathAttribute
java/util/jar/JarFile hasClassPathAttribute
java/util/jar/JarFile MANIFEST_NAME
java/util/jar/JarFile lastOcc
java/util/jar/JarFile optoSft
java/util/jar/JarFile src

java/util/jar/JarFile javaHome
java/util/jar/JarFile <init>(Ljava/lang/String;)V
java/util/jar/JarFile <init>(Ljava/lang/String;Z)V
java/util/jar/JarFile <init>(Ljava/io/File;)V
java/util/jar/JarFile <init>(Ljava/io/File;Z)V
java/util/jar/JarFile <init>(Ljava/io/File;ZI)V
java/util/jar/JarFile getManifest()Ljava/util/jar/Manifest;
java/util/jar/JarFile getManifestFromReference()Ljava/util/jar/Manifest;
java/util/jar/JarFile getMetaInfEntryNames()[Ljava/lang/String;
java/util/jar/JarFile getJarEntry(Ljava/lang/String;)Ljava/util/jar/JarEntry;
java/util/jar/JarFile getEntry(Ljava/lang/String;)Ljava/util/zip/ZipEntry;
java/util/jar/JarFile entries()Ljava/util/Enumeration;
java/util/jar/JarFile maybeInstantiateVerifier()V
java/util/jar/JarFile initializeVerifier()V
java/util/jar/JarFile
getBytes(Ljava/util/zip/ZipEntry;)[B
java/util/jar/JarFile getInputStream(Ljava/util/zip/ZipEntry;)Ljava/io/InputStream;
java/util/jar/JarFile getManEntry()Ljava/util/jar/JarEntry;
java/util/jar/JarFile hasClassPathAttribute()Z
java/util/jar/JarFile isKnownToNotHaveClassPathAttribute()Z
java/util/jar/JarFile access$000(Ljava/util/jar/JarFile;)V
java/util/jar/JarFile access$100(Ljava/util/jar/JarFile;)Ljava/util/jar/JarVerifier;
java/util/jar/JarFile <clinit>()V
class java/util/zip/ZipFile java/lang/Object
java/util/zip/ZipFile jzfile
java/util/zip/ZipFile name
java/util/zip/ZipFile total
java/util/zip/ZipFile mappedBuffer
java/util/zip/ZipFile closer
java/util/zip/ZipFile mbUsed
java/util/zip/ZipFile closeRequested
java/util/zip/ZipFile STORED
java/util/zip/ZipFile DEFLATED
java/util/zip/ZipFile OPEN_READ
java/util/zip/ZipFile OPEN_DELETE
java/util/zip/ZipFile directByteBufferConstructor
java/util/zip/ZipFile inflaters
java/util/zip/ZipFile initIDs()V
java/util/zip/ZipFile
<init>(Ljava/lang/String;)V
java/util/zip/ZipFile initDBBConstructor()V
java/util/zip/ZipFile newMappedByteBuffer(IJLjava/lang/Runnable;)Ljava/nio/MappedByteBuffer;
java/util/zip/ZipFile <init>(Ljava/io/File;I)V
java/util/zip/ZipFile open(Ljava/lang/String;IJ)J
java/util/zip/ZipFile getTotal(J)I
java/util/zip/ZipFile getMappedAddr(J)J
java/util/zip/ZipFile getMappedLen(J)J
java/util/zip/ZipFile <init>(Ljava/io/File;)V

java/util/zip/ZipFile getEntry(Ljava/lang/String;)Ljava/util/zip/ZipEntry;
java/util/zip/ZipFile getEntry(JLjava/lang/String;Z)J
java/util/zip/ZipFile freeEntry(JJ)V
java/util/zip/ZipFile getInputStream(Ljava/util/zip/ZipEntry;)Ljava/io/InputStream;
java/util/zip/ZipFile getInputStream(Ljava/lang/String;)Ljava/io/InputStream;
java/util/zip/ZipFile getMethod(J)I
java/util/zip/ZipFile getInflater()Ljava/util/zip/Inflater;
java/util/zip/ZipFile releaseInflater(Ljava/util/zip/Inflater;)V
java/util/zip/ZipFile getName()Ljava/lang/String;
java/util/zip/ZipFile
entries()Ljava/util/Enumeration;
java/util/zip/ZipFile getNextEntry(JI)J
java/util/zip/ZipFile size()I
java/util/zip/ZipFile close()V
java/util/zip/ZipFile finalize()V
java/util/zip/ZipFile close(J)V
java/util/zip/ZipFile ensureOpen()V
java/util/zip/ZipFile ensureOpenOrZipException()V
java/util/zip/ZipFile read(JJJ[BII)I
java/util/zip/ZipFile getCSize(J)J
java/util/zip/ZipFile getSize(J)J
java/util/zip/ZipFile getEntryOffset(J)J
java/util/zip/ZipFile getZipMessage(J)Ljava/lang/String;
java/util/zip/ZipFile access$000(J)V
java/util/zip/ZipFile access$102(Ljava/lang/reflect/Constructor;)Ljava/lang/reflect/Constructor;
java/util/zip/ZipFile access$100()Ljava/lang/reflect/Constructor;
java/util/zip/ZipFile access$300(Ljava/util/zip/ZipFile;Ljava/util/zip/Inflater;)V
java/util/zip/ZipFile access$400(Ljava/util/zip/ZipFile;)V
java/util/zip/ZipFile access$500(Ljava/util/zip/ZipFile;)I
java/util/zip/ZipFile access$600(Ljava/util/zip/ZipFile;)J
java/util/zip/ZipFile access$700(JI)J
java/util/zip/ZipFile
access$800(Ljava/util/zip/ZipFile;)Z
java/util/zip/ZipFile access$900(J)Ljava/lang/String;
java/util/zip/ZipFile access$1000(Ljava/util/zip/ZipFile;)Ljava/lang/String;
java/util/zip/ZipFile access$1100(JJ)V
java/util/zip/ZipFile access$1200(J)J
java/util/zip/ZipFile access$1300(J)J
java/util/zip/ZipFile access$1400(Ljava/util/zip/ZipFile;)V
java/util/zip/ZipFile access$1500(JJ[BII)I
java/util/zip/ZipFile access$1600(J)J
java/util/zip/ZipFile access$1700(Ljava/util/zip/ZipFile;)Ljava/nio/MappedByteBuffer;
java/util/zip/ZipFile access$1802(Ljava/util/zip/ZipFile;Z)Z
java/util/zip/ZipFile <clinit>()V
class java/util/zip/ZipConstants java/lang/Object
java/util/zip/ZipConstants LOCSIG
java/util/zip/ZipConstants EXTSIG
java/util/zip/ZipConstants CENSIG

java/util/zip/ZipConstants ENDSIG
java/util/zip/ZipConstants LOCHDR
java/util/zip/ZipConstants EXTHDR
java/util/zip/ZipConstants CENHDR
java/util/zip/ZipConstants ENDHDR
java/util/zip/ZipConstants LOCVER
java/util/zip/ZipConstants
LOCFLG
java/util/zip/ZipConstants LOCHOW
java/util/zip/ZipConstants LOCTIM
java/util/zip/ZipConstants LOCCRC
java/util/zip/ZipConstants LOCSIZ
java/util/zip/ZipConstants LOCLEN
java/util/zip/ZipConstants LOCNAM
java/util/zip/ZipConstants LOCEXT
java/util/zip/ZipConstants EXTCRC
java/util/zip/ZipConstants EXTSIZ
java/util/zip/ZipConstants EXTLEN
java/util/zip/ZipConstants CENVEM
java/util/zip/ZipConstants CENVER
java/util/zip/ZipConstants CENFLG
java/util/zip/ZipConstants CENHOW
java/util/zip/ZipConstants CENTIM
java/util/zip/ZipConstants CENCRC
java/util/zip/ZipConstants CENSIZ
java/util/zip/ZipConstants CENLEN
java/util/zip/ZipConstants CENNAM
java/util/zip/ZipConstants CENEXT
java/util/zip/ZipConstants CENCOM
java/util/zip/ZipConstants CENDSK
java/util/zip/ZipConstants CENATT
java/util/zip/ZipConstants CENATX
java/util/zip/ZipConstants CENOFF
java/util/zip/ZipConstants ENDSUB
java/util/zip/ZipConstants ENDTOT
java/util/zip/ZipConstants ENDSIZ
java/util/zip/ZipConstants ENDOFF
java/util/zip/ZipConstants
ENDCOM
class java/net/URLClassLoader$1 java/lang/Object
java/net/URLClassLoader$1 val$name
java/net/URLClassLoader$1 this$0
java/net/URLClassLoader$1 <init>(Ljava/net/URLClassLoader;Ljava/lang/String;)V
java/net/URLClassLoader$1 run()Ljava/lang/Object;
class java/lang/StringCoding$CharsetSD java/lang/StringCoding$StringDecoder
java/lang/StringCoding$CharsetSD cs
java/lang/StringCoding$CharsetSD cd
java/lang/StringCoding$CharsetSD <init>(Ljava/nio/charset/Charset;Ljava/lang/String;)V

java/lang/StringCoding$CharsetSD charsetName()Ljava/lang/String;
java/lang/StringCoding$CharsetSD decode([BII)[C
java/lang/StringCoding$CharsetSD
<init>(Ljava/nio/charset/Charset;Ljava/lang/String;Ljava/lang/StringCoding$1;)V
class java/lang/StringCoding$StringDecoder java/lang/Object
java/lang/StringCoding$StringDecoder requestedCharsetName
java/lang/StringCoding$StringDecoder <init>(Ljava/lang/String;)V
java/lang/StringCoding$StringDecoder requestedCharsetName()Ljava/lang/String;
java/lang/StringCoding$StringDecoder
charsetName()Ljava/lang/String;
java/lang/StringCoding$StringDecoder decode([BII)[C
class java/lang/ThreadLocal$ThreadLocalMap$Entry java/lang/ref/WeakReference
java/lang/ThreadLocal$ThreadLocalMap$Entry value
java/lang/ThreadLocal$ThreadLocalMap$Entry <init>(Ljava/lang/ThreadLocal;Ljava/lang/Object;)V
java/lang/ThreadLocal$ThreadLocalMap$Entry
<init>(Ljava/lang/ThreadLocal;Ljava/lang/Object;Ljava/lang/ThreadLocal$1;)V
java/lang/ThreadLocal$ThreadLocalMap$Entry
access$600(Ljava/lang/ThreadLocal$ThreadLocalMap$Entry;)Ljava/lang/Object;
java/lang/ThreadLocal$ThreadLocalMap$Entry
access$602(Ljava/lang/ThreadLocal$ThreadLocalMap$Entry;Ljava/lang/Object;)Ljava/lang/Object;
class java/lang/ThreadLocal$ThreadLocalMap java/lang/Object
java/lang/ThreadLocal$ThreadLocalMap INITIAL_CAPACITY
java/lang/ThreadLocal$ThreadLocalMap table
java/lang/ThreadLocal$ThreadLocalMap size
java/lang/ThreadLocal$ThreadLocalMap threshold
java/lang/ThreadLocal$ThreadLocalMap setThreshold(I)V
java/lang/ThreadLocal$ThreadLocalMap
nextIndex(II)I
java/lang/ThreadLocal$ThreadLocalMap prevIndex(II)I
java/lang/ThreadLocal$ThreadLocalMap <init>(Ljava/lang/ThreadLocal;Ljava/lang/Object;)V
java/lang/ThreadLocal$ThreadLocalMap <init>(Ljava/lang/ThreadLocal$ThreadLocalMap;)V
java/lang/ThreadLocal$ThreadLocalMap get(Ljava/lang/ThreadLocal;)Ljava/lang/Object;
java/lang/ThreadLocal$ThreadLocalMap
getAfterMiss(Ljava/lang/ThreadLocal;ILjava/lang/ThreadLocal$ThreadLocalMap$Entry;)Ljava/lang/Object;
java/lang/ThreadLocal$ThreadLocalMap set(Ljava/lang/ThreadLocal;Ljava/lang/Object;)V
java/lang/ThreadLocal$ThreadLocalMap remove(Ljava/lang/ThreadLocal;)V
java/lang/ThreadLocal$ThreadLocalMap
replaceStaleEntry(Ljava/lang/ThreadLocal;Ljava/lang/Object;IZ)Ljava/lang/Object;
java/lang/ThreadLocal$ThreadLocalMap expungeStaleEntry(I)I
java/lang/ThreadLocal$ThreadLocalMap cleanSomeSlots(II)Z
java/lang/ThreadLocal$ThreadLocalMap rehash()V
java/lang/ThreadLocal$ThreadLocalMap resize()V
java/lang/ThreadLocal$ThreadLocalMap
expungeStaleEntries()V
java/lang/ThreadLocal$ThreadLocalMap
access$000(Ljava/lang/ThreadLocal$ThreadLocalMap;Ljava/lang/ThreadLocal;)Ljava/lang/Object;
java/lang/ThreadLocal$ThreadLocalMap
access$100(Ljava/lang/ThreadLocal$ThreadLocalMap;Ljava/lang/ThreadLocal;Ljava/lang/Object;)V

java/lang/ThreadLocal$ThreadLocalMap
access$200(Ljava/lang/ThreadLocal$ThreadLocalMap;Ljava/lang/ThreadLocal;)V
java/lang/ThreadLocal$ThreadLocalMap
<init>(Ljava/lang/ThreadLocal$ThreadLocalMap;Ljava/lang/ThreadLocal$1;)V
class java/lang/StringCoding java/lang/Object
java/lang/StringCoding decoder
java/lang/StringCoding encoder
java/lang/StringCoding warnUnsupportedCharset
java/lang/StringCoding <init>()V
java/lang/StringCoding deref(Ljava/lang/ThreadLocal;)Ljava/lang/Object;
java/lang/StringCoding set(Ljava/lang/ThreadLocal;Ljava/lang/Object;)V
java/lang/StringCoding trim([BI)[B
java/lang/StringCoding trim([CI)[C
java/lang/StringCoding scale(IF)I
java/lang/StringCoding lookupCharset(Ljava/lang/String;)Ljava/nio/charset/Charset;
java/lang/StringCoding
warnUnsupportedCharset(Ljava/lang/String;)V
java/lang/StringCoding decode(Ljava/lang/String;[BII)[C
java/lang/StringCoding decode([BII)[C
java/lang/StringCoding encode(Ljava/lang/String;[CII)[B
java/lang/StringCoding encode([CII)[B
java/lang/StringCoding access$000(IF)I
java/lang/StringCoding access$100([CI)[C
java/lang/StringCoding access$400([BI)[B
java/lang/StringCoding <clinit>()V
class java/lang/SystemClassLoaderAction java/lang/Object
java/lang/SystemClassLoaderAction parent
java/lang/SystemClassLoaderAction <init>(Ljava/lang/ClassLoader;)V
java/lang/SystemClassLoaderAction run()Ljava/lang/Object;
class java/util/ArrayList java/util/AbstractList
java/util/ArrayList serialVersionUID
java/util/ArrayList elementData
java/util/ArrayList size
java/util/ArrayList <init>(I)V
java/util/ArrayList <init>()V
java/util/ArrayList <init>(Ljava/util/Collection;)V
java/util/ArrayList trimToSize()V
java/util/ArrayList ensureCapacity(I)V
java/util/ArrayList
size()I
java/util/ArrayList isEmpty()Z
java/util/ArrayList contains(Ljava/lang/Object;)Z
java/util/ArrayList indexOf(Ljava/lang/Object;)I
java/util/ArrayList lastIndexOf(Ljava/lang/Object;)I
java/util/ArrayList clone()Ljava/lang/Object;
java/util/ArrayList toArray()[Ljava/lang/Object;
java/util/ArrayList toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/ArrayList get(I)Ljava/lang/Object;

java/util/ArrayList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/ArrayList add(Ljava/lang/Object;)Z
java/util/ArrayList add(ILjava/lang/Object;)V
java/util/ArrayList remove(I)Ljava/lang/Object;
java/util/ArrayList remove(Ljava/lang/Object;)Z
java/util/ArrayList fastRemove(I)V
java/util/ArrayList clear()V
java/util/ArrayList addAll(Ljava/util/Collection;)Z
java/util/ArrayList addAll(ILjava/util/Collection;)Z
java/util/ArrayList removeRange(II)V
java/util/ArrayList RangeCheck(I)V
java/util/ArrayList writeObject(Ljava/io/ObjectOutputStream;)V
java/util/ArrayList
readObject(Ljava/io/ObjectInputStream;)V
class java/util/HashSet java/util/AbstractSet
java/util/HashSet serialVersionUID
java/util/HashSet map
java/util/HashSet PRESENT
java/util/HashSet <init>()V
java/util/HashSet <init>(Ljava/util/Collection;)V
java/util/HashSet <init>(IF)V
java/util/HashSet <init>(I)V
java/util/HashSet <init>(IFZ)V
java/util/HashSet iterator()Ljava/util/Iterator;
java/util/HashSet size()I
java/util/HashSet isEmpty()Z
java/util/HashSet contains(Ljava/lang/Object;)Z
java/util/HashSet add(Ljava/lang/Object;)Z
java/util/HashSet remove(Ljava/lang/Object;)Z
java/util/HashSet clear()V
java/util/HashSet clone()Ljava/lang/Object;
java/util/HashSet writeObject(Ljava/io/ObjectOutputStream;)V
java/util/HashSet readObject(Ljava/io/ObjectInputStream;)V
java/util/HashSet <clinit>()V
class java/net/URLStreamHandler java/lang/Object
java/net/URLStreamHandler <init>()V
java/net/URLStreamHandler openConnection(Ljava/net/URL;)Ljava/net/URLConnection;
java/net/URLStreamHandler openConnection(Ljava/net/URL;Ljava/net/Proxy;)Ljava/net/URLConnection;
java/net/URLStreamHandler
parseURL(Ljava/net/URL;Ljava/lang/String;II)V
java/net/URLStreamHandler getDefaultPort()I
java/net/URLStreamHandler equals(Ljava/net/URL;Ljava/net/URL;)Z
java/net/URLStreamHandler hashCode(Ljava/net/URL;)I
java/net/URLStreamHandler sameFile(Ljava/net/URL;Ljava/net/URL;)Z
java/net/URLStreamHandler getHostAddress(Ljava/net/URL;)Ljava/net/InetAddress;
java/net/URLStreamHandler hostsEqual(Ljava/net/URL;Ljava/net/URL;)Z
java/net/URLStreamHandler toExternalForm(Ljava/net/URL;)Ljava/lang/String;
java/net/URLStreamHandler

setURL(Ljava/net/URL;Ljava/lang/String;Ljava/lang/String;ILjava/lang/String;Ljava/lang/String;Ljava/lang/String;
Ljava/lang/String;Ljava/lang/String;)V
java/net/URLStreamHandler
setURL(Ljava/net/URL;Ljava/lang/String;Ljava/lang/String;ILjava/lang/String;Ljava/lang/String;)V
class java/net/Parts java/lang/Object
java/net/Parts path
java/net/Parts query
java/net/Parts ref
java/net/Parts
<init>(Ljava/lang/String;)V
java/net/Parts getPath()Ljava/lang/String;
java/net/Parts getQuery()Ljava/lang/String;
java/net/Parts getRef()Ljava/lang/String;
class java/lang/CharacterDataLatin1 java/lang/Object
java/lang/CharacterDataLatin1 sharpsMap
java/lang/CharacterDataLatin1 A
java/lang/CharacterDataLatin1 A_DATA
java/lang/CharacterDataLatin1 $assertionsDisabled
java/lang/CharacterDataLatin1 <init>()V
java/lang/CharacterDataLatin1 getProperties(I)I
java/lang/CharacterDataLatin1 getType(I)I
java/lang/CharacterDataLatin1 isLowerCase(I)Z
java/lang/CharacterDataLatin1 isUpperCase(I)Z
java/lang/CharacterDataLatin1 isTitleCase(I)Z
java/lang/CharacterDataLatin1 isDigit(I)Z
java/lang/CharacterDataLatin1 isDefined(I)Z
java/lang/CharacterDataLatin1 isLetter(I)Z
java/lang/CharacterDataLatin1 isLetterOrDigit(I)Z
java/lang/CharacterDataLatin1 isSpaceChar(I)Z
java/lang/CharacterDataLatin1 isJavaIdentifierStart(I)Z
java/lang/CharacterDataLatin1 isJavaIdentifierPart(I)Z
java/lang/CharacterDataLatin1
isUnicodeIdentifierStart(I)Z
java/lang/CharacterDataLatin1 isUnicodeIdentifierPart(I)Z
java/lang/CharacterDataLatin1 isIdentifierIgnorable(I)Z
java/lang/CharacterDataLatin1 toLowerCase(I)I
java/lang/CharacterDataLatin1 toUpperCase(I)I
java/lang/CharacterDataLatin1 toTitleCase(I)I
java/lang/CharacterDataLatin1 digit(II)I
java/lang/CharacterDataLatin1 getNumericValue(I)I
java/lang/CharacterDataLatin1 isWhitespace(I)Z
java/lang/CharacterDataLatin1 getDirectionality(I)B
java/lang/CharacterDataLatin1 isMirrored(I)Z
java/lang/CharacterDataLatin1 toUpperCaseEx(I)I
java/lang/CharacterDataLatin1 toUpperCaseCharArray(I)[C
java/lang/CharacterDataLatin1 <clinit>()V
class java/util/Locale java/lang/Object
java/util/Locale ENGLISH

java/util/Locale FRENCH
java/util/Locale GERMAN
java/util/Locale ITALIAN
java/util/Locale JAPANESE
java/util/Locale KOREAN
java/util/Locale CHINESE
java/util/Locale SIMPLIFIED_CHINESE
java/util/Locale TRADITIONAL_CHINESE
java/util/Locale FRANCE
java/util/Locale GERMANY
java/util/Locale
ITALY
java/util/Locale JAPAN
java/util/Locale KOREA
java/util/Locale CHINA
java/util/Locale PRC
java/util/Locale TAIWAN
java/util/Locale UK
java/util/Locale US
java/util/Locale CANADA
java/util/Locale CANADA_FRENCH
java/util/Locale serialVersionUID
java/util/Locale language
java/util/Locale country
java/util/Locale variant
java/util/Locale hashcode
java/util/Locale hashCodeValue
java/util/Locale defaultLocale
java/util/Locale isoLanguages
java/util/Locale compressedIsoLanguages
java/util/Locale isoCountries
java/util/Locale compressedIsoCountries
java/util/Locale <init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/util/Locale <init>(Ljava/lang/String;Ljava/lang/String;)V
java/util/Locale <init>(Ljava/lang/String;)V
java/util/Locale getDefault()Ljava/util/Locale;
java/util/Locale setDefault(Ljava/util/Locale;)V
java/util/Locale getAvailableLocales()[Ljava/util/Locale;
java/util/Locale getISOCountries()[Ljava/lang/String;
java/util/Locale getISOLanguages()[Ljava/lang/String;
java/util/Locale
getLanguage()Ljava/lang/String;
java/util/Locale getCountry()Ljava/lang/String;
java/util/Locale getVariant()Ljava/lang/String;
java/util/Locale toString()Ljava/lang/String;
java/util/Locale getISO3Language()Ljava/lang/String;
java/util/Locale getISO3Country()Ljava/lang/String;
java/util/Locale getDisplayLanguage()Ljava/lang/String;

java/util/Locale getDisplayLanguage(Ljava/util/Locale;)Ljava/lang/String;
java/util/Locale getDisplayCountry()Ljava/lang/String;
java/util/Locale getDisplayCountry(Ljava/util/Locale;)Ljava/lang/String;
java/util/Locale getDisplayVariant()Ljava/lang/String;
java/util/Locale getDisplayVariant(Ljava/util/Locale;)Ljava/lang/String;
java/util/Locale getDisplayName()Ljava/lang/String;
java/util/Locale getDisplayName(Ljava/util/Locale;)Ljava/lang/String;
java/util/Locale clone()Ljava/lang/Object;
java/util/Locale hashCode()I
java/util/Locale equals(Ljava/lang/Object;)Z
java/util/Locale getDisplayVariantArray(Ljava/util/ResourceBundle;)[Ljava/lang/String;
java/util/Locale
formatList([Ljava/lang/String;[Ljava/lang/String;)Ljava/lang/String;
java/util/Locale composeList(Ljava/text/MessageFormat;[Ljava/lang/String;)[Ljava/lang/String;
java/util/Locale readResolve()Ljava/lang/Object;
java/util/Locale toLowerCase(Ljava/lang/String;)Ljava/lang/String;
java/util/Locale toUpperCase(Ljava/lang/String;)Ljava/lang/String;
java/util/Locale findStringMatch([[Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/util/Locale convertOldISOCodes(Ljava/lang/String;)Ljava/lang/String;
java/util/Locale <clinit>()V
class java/net/URL java/lang/Object
java/net/URL serialVersionUID
java/net/URL protocolPathProp
java/net/URL protocol
java/net/URL host
java/net/URL port
java/net/URL file
java/net/URL query
java/net/URL authority
java/net/URL path
java/net/URL userInfo
java/net/URL ref
java/net/URL hostAddress
java/net/URL handler
java/net/URL hashCode
java/net/URL factory
java/net/URL handlers
java/net/URL
streamHandlerLock
java/net/URL <init>(Ljava/lang/String;Ljava/lang/String;ILjava/lang/String;)V
java/net/URL <init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)V
java/net/URL <init>(Ljava/lang/String;Ljava/lang/String;ILjava/lang/String;Ljava/net/URLStreamHandler;)V
java/net/URL <init>(Ljava/lang/String;)V
java/net/URL <init>(Ljava/net/URL;Ljava/lang/String;)V
java/net/URL <init>(Ljava/net/URL;Ljava/lang/String;Ljava/net/URLStreamHandler;)V
java/net/URL isValidProtocol(Ljava/lang/String;)Z
java/net/URL checkSpecifyHandler(Ljava/lang/SecurityManager;)V
java/net/URL set(Ljava/lang/String;Ljava/lang/String;ILjava/lang/String;Ljava/lang/String;)V

java/net/URL
set(Ljava/lang/String;Ljava/lang/String;ILjava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Lja
va/lang/String;)V
java/net/URL getQuery()Ljava/lang/String;
java/net/URL getPath()Ljava/lang/String;
java/net/URL getUserInfo()Ljava/lang/String;
java/net/URL getAuthority()Ljava/lang/String;
java/net/URL getPort()I
java/net/URL
getDefaultPort()I
java/net/URL getProtocol()Ljava/lang/String;
java/net/URL getHost()Ljava/lang/String;
java/net/URL getFile()Ljava/lang/String;
java/net/URL getRef()Ljava/lang/String;
java/net/URL equals(Ljava/lang/Object;)Z
java/net/URL hashCode()I
java/net/URL sameFile(Ljava/net/URL;)Z
java/net/URL toString()Ljava/lang/String;
java/net/URL toExternalForm()Ljava/lang/String;
java/net/URL toURI()Ljava/net/URI;
java/net/URL openConnection()Ljava/net/URLConnection;
java/net/URL openConnection(Ljava/net/Proxy;)Ljava/net/URLConnection;
java/net/URL openStream()Ljava/io/InputStream;
java/net/URL getContent()Ljava/lang/Object;
java/net/URL getContent([Ljava/lang/Class;)Ljava/lang/Object;
java/net/URL setURLStreamHandlerFactory(Ljava/net/URLStreamHandlerFactory;)V
java/net/URL getURLStreamHandler(Ljava/lang/String;)Ljava/net/URLStreamHandler;
java/net/URL writeObject(Ljava/io/ObjectOutputStream;)V
java/net/URL readObject(Ljava/io/ObjectInputStream;)V
java/net/URL <clinit>()V
class
java/util/BitSet java/lang/Object
java/util/BitSet ADDRESS_BITS_PER_UNIT
java/util/BitSet BITS_PER_UNIT
java/util/BitSet BIT_INDEX_MASK
java/util/BitSet WORD_MASK
java/util/BitSet bits
java/util/BitSet unitsInUse
java/util/BitSet serialVersionUID
java/util/BitSet trailingZeroTable
java/util/BitSet unitIndex(I)I
java/util/BitSet bit(I)J
java/util/BitSet recalculateUnitsInUse()V
java/util/BitSet <init>()V
java/util/BitSet <init>(I)V
java/util/BitSet ensureCapacity(I)V
java/util/BitSet flip(I)V
java/util/BitSet flip(II)V

java/util/BitSet bitsRightOf(I)J
java/util/BitSet bitsLeftOf(I)J
java/util/BitSet set(I)V
java/util/BitSet set(IZ)V
java/util/BitSet set(II)V
java/util/BitSet set(IIZ)V
java/util/BitSet clear(I)V
java/util/BitSet clear(II)V
java/util/BitSet clear()V
java/util/BitSet get(I)Z
java/util/BitSet get(II)Ljava/util/BitSet;
java/util/BitSet getBits(I)J
java/util/BitSet nextSetBit(I)I
java/util/BitSet trailingZeroCnt(J)I
java/util/BitSet nextClearBit(I)I
java/util/BitSet
 length()I
java/util/BitSet bitLen(I)I
java/util/BitSet isEmpty()Z
java/util/BitSet intersects(Ljava/util/BitSet;)Z
java/util/BitSet cardinality()I
java/util/BitSet bitCount(J)I
java/util/BitSet and(Ljava/util/BitSet;)V
java/util/BitSet or(Ljava/util/BitSet;)V
java/util/BitSet xor(Ljava/util/BitSet;)V
java/util/BitSet andNot(Ljava/util/BitSet;)V
java/util/BitSet hashCode()I
java/util/BitSet size()I
java/util/BitSet equals(Ljava/lang/Object;)Z
java/util/BitSet clone()Ljava/lang/Object;
java/util/BitSet readObject(Ljava/io/ObjectInputStream;)V
java/util/BitSet toString()Ljava/lang/String;
java/util/BitSet <clinit>()V
class java/security/PrivilegedExceptionAction java/lang/Object
java/security/PrivilegedExceptionAction run()Ljava/lang/Object;
class java/util/StringTokenizer java/lang/Object
java/util/StringTokenizer currentPosition
java/util/StringTokenizer newPosition
java/util/StringTokenizer maxPosition
java/util/StringTokenizer str
java/util/StringTokenizer delimiters
java/util/StringTokenizer
 retDelims
java/util/StringTokenizer delimsChanged
java/util/StringTokenizer maxDelimCodePoint
java/util/StringTokenizer hasSurrogates
java/util/StringTokenizer delimiterCodePoints
java/util/StringTokenizer setMaxDelimCodePoint()V

java/util/StringTokenizer <init>(Ljava/lang/String;Ljava/lang/String;Z)V
java/util/StringTokenizer <init>(Ljava/lang/String;Ljava/lang/String;)V
java/util/StringTokenizer <init>(Ljava/lang/String;)V
java/util/StringTokenizer skipDelimiters(I)I
java/util/StringTokenizer scanToken(I)I
java/util/StringTokenizer isDelimiter(I)Z
java/util/StringTokenizer hasMoreTokens()Z
java/util/StringTokenizer nextToken()Ljava/lang/String;
java/util/StringTokenizer nextToken(Ljava/lang/String;)Ljava/lang/String;
java/util/StringTokenizer hasMoreElements()Z
java/util/StringTokenizer nextElement()Ljava/lang/Object;
java/util/StringTokenizer countTokens()I
class java/net/URLClassLoader java/security/SecureClassLoader
java/net/URLClassLoader ucp
java/net/URLClassLoader acc
java/net/URLClassLoader
<init>([Ljava/net/URL;Ljava/lang/ClassLoader;)V
java/net/URLClassLoader <init>([Ljava/net/URL;)V
java/net/URLClassLoader <init>([Ljava/net/URL;Ljava/lang/ClassLoader;Ljava/net/URLStreamHandlerFactory;)V
java/net/URLClassLoader addURL(Ljava/net/URL;)V
java/net/URLClassLoader getURLs()[Ljava/net/URL;
java/net/URLClassLoader findClass(Ljava/lang/String;)Ljava/lang/Class;
java/net/URLClassLoader defineClass(Ljava/lang/String;Lsun/misc/Resource;)Ljava/lang/Class;
java/net/URLClassLoader
definePackage(Ljava/lang/String;Ljava/util/jar/Manifest;Ljava/net/URL;)Ljava/lang/Package;
java/net/URLClassLoader isSealed(Ljava/lang/String;Ljava/util/jar/Manifest;)Z
java/net/URLClassLoader findResource(Ljava/lang/String;)Ljava/net/URL;
java/net/URLClassLoader findResources(Ljava/lang/String;)Ljava/util/Enumeration;
java/net/URLClassLoader getPermissions(Ljava/security/CodeSource;)Ljava/security/PermissionCollection;
java/net/URLClassLoader newInstance([Ljava/net/URL;Ljava/lang/ClassLoader;)Ljava/net/URLClassLoader;
java/net/URLClassLoader
newInstance([Ljava/net/URL;)Ljava/net/URLClassLoader;
java/net/URLClassLoader access$000(Ljava/net/URLClassLoader;)Lsun/misc/URLClassPath;
java/net/URLClassLoader
access$100(Ljava/net/URLClassLoader;Ljava/lang/String;Lsun/misc/Resource;)Ljava/lang/Class;
java/net/URLClassLoader access$200(Ljava/net/URLClassLoader;)Ljava/security/AccessControlContext;
class java/security/SecureClassLoader java/lang/ClassLoader
java/security/SecureClassLoader initialized
java/security/SecureClassLoader pdcache
java/security/SecureClassLoader debug
java/security/SecureClassLoader <init>(Ljava/lang/ClassLoader;)V
java/security/SecureClassLoader <init>()V
java/security/SecureClassLoader defineClass(Ljava/lang/String;[BIILjava/security/CodeSource;)Ljava/lang/Class;
java/security/SecureClassLoader
defineClass(Ljava/lang/String;Ljava/nio/ByteBuffer;Ljava/security/CodeSource;)Ljava/lang/Class;
java/security/SecureClassLoader getPermissions(Ljava/security/CodeSource;)Ljava/security/PermissionCollection;
java/security/SecureClassLoader

getProtectionDomain(Ljava/security/CodeSource;)Ljava/security/ProtectionDomain;
java/security/SecureClassLoader check()V
java/security/SecureClassLoader <clinit>()V
class java/net/URLStreamHandlerFactory java/lang/Object
java/net/URLStreamHandlerFactory createURLStreamHandler(Ljava/lang/String;)Ljava/net/URLStreamHandler;
class java/lang/Compiler$1 java/lang/Object
java/lang/Compiler$1 <init>()V
java/lang/Compiler$1 run()Ljava/lang/Object;
class java/lang/Compiler java/lang/Object
java/lang/Compiler <init>()V
java/lang/Compiler initialize()V
java/lang/Compiler registerNatives()V
java/lang/Compiler compileClass(Ljava/lang/Class;)Z
java/lang/Compiler compileClasses(Ljava/lang/String;)Z
java/lang/Compiler command(Ljava/lang/Object;)Ljava/lang/Object;
java/lang/Compiler enable()V
java/lang/Compiler disable()V
java/lang/Compiler access$000()V
java/lang/Compiler <clinit>()V
class java/lang/System$2 java/lang/Object
java/lang/System$2
<init>()V
java/lang/System$2 getConstantPool(Ljava/lang/Class;)Lsun/reflect/ConstantPool;
java/lang/System$2 setAnnotationType(Ljava/lang/Class;Lsun/reflect/annotation/AnnotationType;)V
java/lang/System$2 getAnnotationType(Ljava/lang/Class;)Lsun/reflect/annotation/AnnotationType;
java/lang/System$2 blockedOn(Ljava/lang/Thread;Lsun/nio/ch/Interruptible;)V
class java/lang/Terminator$1 java/lang/Object
java/lang/Terminator$1 <init>()V
java/lang/Terminator$1 handle(Lsun/misc/Signal;)V
class java/lang/Terminator java/lang/Object
java/lang/Terminator handler
java/lang/Terminator <init>()V
java/lang/Terminator setup()V
java/lang/Terminator teardown()V
java/lang/Terminator <clinit>()V
class java/lang/ClassLoader$NativeLibrary java/lang/Object
java/lang/ClassLoader$NativeLibrary handle
java/lang/ClassLoader$NativeLibrary jniVersion
java/lang/ClassLoader$NativeLibrary fromClass
java/lang/ClassLoader$NativeLibrary name
java/lang/ClassLoader$NativeLibrary load(Ljava/lang/String;)V
java/lang/ClassLoader$NativeLibrary
find(Ljava/lang/String;)J
java/lang/ClassLoader$NativeLibrary unload()V
java/lang/ClassLoader$NativeLibrary <init>(Ljava/lang/Class;Ljava/lang/String;)V
java/lang/ClassLoader$NativeLibrary finalize()V
java/lang/ClassLoader$NativeLibrary getFromClass()Ljava/lang/Class;
java/lang/ClassLoader$NativeLibrary access$200(Ljava/lang/ClassLoader$NativeLibrary;)Ljava/lang/Class;

class java/io/ExpiringCache$Entry java/lang/Object
java/io/ExpiringCache$Entry timestamp
java/io/ExpiringCache$Entry val
java/io/ExpiringCache$Entry <init>(JLjava/lang/String;)V
java/io/ExpiringCache$Entry timestamp()J
java/io/ExpiringCache$Entry setTimestamp(J)V
java/io/ExpiringCache$Entry val()Ljava/lang/String;
java/io/ExpiringCache$Entry setVal(Ljava/lang/String;)V
class java/lang/ClassLoader$3 java/lang/Object
java/lang/ClassLoader$3 val$file
java/lang/ClassLoader$3 <init>(Ljava/io/File;)V
java/lang/ClassLoader$3 run()Ljava/lang/Object;
class java/util/LinkedHashMap$Entry
java/util/HashMap$Entry
java/util/LinkedHashMap$Entry before
java/util/LinkedHashMap$Entry after
java/util/LinkedHashMap$Entry <init>(ILjava/lang/Object;Ljava/lang/Object;Ljava/util/HashMap$Entry;)V
java/util/LinkedHashMap$Entry remove()V
java/util/LinkedHashMap$Entry addBefore(Ljava/util/LinkedHashMap$Entry;)V
java/util/LinkedHashMap$Entry recordAccess(Ljava/util/HashMap;)V
java/util/LinkedHashMap$Entry recordRemoval(Ljava/util/HashMap;)V
java/util/LinkedHashMap$Entry
access$600(Ljava/util/LinkedHashMap$Entry;Ljava/util/LinkedHashMap$Entry;)V
class java/io/ExpiringCache$1 java/util/LinkedHashMap
java/io/ExpiringCache$1 this$0
java/io/ExpiringCache$1 <init>(Ljava/io/ExpiringCache;)V
java/io/ExpiringCache$1 removeEldestEntry(Ljava/util/Map$Entry;)Z
class java/util/LinkedHashMap java/util/HashMap
java/util/LinkedHashMap serialVersionUID
java/util/LinkedHashMap header
java/util/LinkedHashMap accessOrder
java/util/LinkedHashMap <init>(IF)V
java/util/LinkedHashMap <init>(I)V
java/util/LinkedHashMap
<init>()V
java/util/LinkedHashMap <init>(Ljava/util/Map;)V
java/util/LinkedHashMap <init>(IFZ)V
java/util/LinkedHashMap init()V
java/util/LinkedHashMap transfer([Ljava/util/HashMap$Entry;)V
java/util/LinkedHashMap containsValue(Ljava/lang/Object;)Z
java/util/LinkedHashMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/LinkedHashMap clear()V
java/util/LinkedHashMap newKeyIterator()Ljava/util/Iterator;
java/util/LinkedHashMap newValueIterator()Ljava/util/Iterator;
java/util/LinkedHashMap newEntryIterator()Ljava/util/Iterator;
java/util/LinkedHashMap addEntry(ILjava/lang/Object;Ljava/lang/Object;I)V
java/util/LinkedHashMap createEntry(ILjava/lang/Object;Ljava/lang/Object;I)V
java/util/LinkedHashMap removeEldestEntry(Ljava/util/Map$Entry;)Z

java/util/LinkedHashMap access$000(Ljava/util/LinkedHashMap;)Z
java/util/LinkedHashMap access$100(Ljava/util/LinkedHashMap;)Ljava/util/LinkedHashMap$Entry;
class java/io/ExpiringCache java/lang/Object
java/io/ExpiringCache millisUntilExpiration
java/io/ExpiringCache
 map
java/io/ExpiringCache queryCount
java/io/ExpiringCache queryOverflow
java/io/ExpiringCache MAX_ENTRIES
java/io/ExpiringCache <init>()V
java/io/ExpiringCache <init>(J)V
java/io/ExpiringCache get(Ljava/lang/String;)Ljava/lang/String;
java/io/ExpiringCache put(Ljava/lang/String;Ljava/lang/String;)V
java/io/ExpiringCache clear()V
java/io/ExpiringCache entryFor(Ljava/lang/String;)Ljava/io/ExpiringCache$Entry;
java/io/ExpiringCache cleanup()V
java/io/ExpiringCache access$000(Ljava/io/ExpiringCache;)I
class java/io/WinNTFileSystem java/io/Win32FileSystem
java/io/WinNTFileSystem <init>()V
java/io/WinNTFileSystem canonicalize0(Ljava/lang/String;)Ljava/lang/String;
java/io/WinNTFileSystem canonicalizeWithPrefix0(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/io/WinNTFileSystem getBooleanAttributes(Ljava/io/File;)I
java/io/WinNTFileSystem checkAccess(Ljava/io/File;Z)Z
java/io/WinNTFileSystem getLastModifiedTime(Ljava/io/File;)J
java/io/WinNTFileSystem
 getLength(Ljava/io/File;)J
java/io/WinNTFileSystem createFileExclusively(Ljava/lang/String;)Z
java/io/WinNTFileSystem delete0(Ljava/io/File;)Z
java/io/WinNTFileSystem deleteOnExit(Ljava/io/File;)Z
java/io/WinNTFileSystem list(Ljava/io/File;)[Ljava/lang/String;
java/io/WinNTFileSystem createDirectory(Ljava/io/File;)Z
java/io/WinNTFileSystem rename0(Ljava/io/File;Ljava/io/File;)Z
java/io/WinNTFileSystem setLastModifiedTime(Ljava/io/File;J)Z
java/io/WinNTFileSystem setReadOnly(Ljava/io/File;)Z
java/io/WinNTFileSystem getDriveDirectory(I)Ljava/lang/String;
java/io/WinNTFileSystem initIDs()V
java/io/WinNTFileSystem <clinit>()V
class java/io/Win32FileSystem java/io/FileSystem
java/io/Win32FileSystem slash
java/io/Win32FileSystem altSlash
java/io/Win32FileSystem semicolon
java/io/Win32FileSystem driveDirCache
java/io/Win32FileSystem cache
java/io/Win32FileSystem prefixCache
java/io/Win32FileSystem $assertionsDisabled
java/io/Win32FileSystem <init>()V
java/io/Win32FileSystem isSlash(C)Z
java/io/Win32FileSystem

isLetter(C)Z
java/io/Win32FileSystem slashify(Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem getSeparator()C
java/io/Win32FileSystem getPathSeparator()C
java/io/Win32FileSystem normalizePrefix(Ljava/lang/String;ILjava/lang/StringBuffer;)I
java/io/Win32FileSystem normalize(Ljava/lang/String;II)Ljava/lang/String;
java/io/Win32FileSystem normalize(Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem prefixLength(Ljava/lang/String;)I
java/io/Win32FileSystem resolve(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem getDefaultParent()Ljava/lang/String;
java/io/Win32FileSystem fromURIPath(Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem isAbsolute(Ljava/io/File;)Z
java/io/Win32FileSystem getDriveDirectory(I)Ljava/lang/String;
java/io/Win32FileSystem driveIndex(C)I
java/io/Win32FileSystem getDriveDirectory(C)Ljava/lang/String;
java/io/Win32FileSystem getUserPath()Ljava/lang/String;
java/io/Win32FileSystem
getDrive(Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem resolve(Ljava/io/File;)Ljava/lang/String;
java/io/Win32FileSystem canonicalize(Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem canonicalize0(Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem canonicalizeWithPrefix(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem canonicalizeWithPrefix0(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem parentOrNull(Ljava/lang/String;)Ljava/lang/String;
java/io/Win32FileSystem getBooleanAttributes(Ljava/io/File;)I
java/io/Win32FileSystem checkAccess(Ljava/io/File;Z)Z
java/io/Win32FileSystem getLastModifiedTime(Ljava/io/File;)J
java/io/Win32FileSystem getLength(Ljava/io/File;)J
java/io/Win32FileSystem createFileExclusively(Ljava/lang/String;)Z
java/io/Win32FileSystem delete(Ljava/io/File;)Z
java/io/Win32FileSystem delete0(Ljava/io/File;)Z
java/io/Win32FileSystem deleteOnExit(Ljava/io/File;)Z
java/io/Win32FileSystem
list(Ljava/io/File;)[Ljava/lang/String;
java/io/Win32FileSystem createDirectory(Ljava/io/File;)Z
java/io/Win32FileSystem rename(Ljava/io/File;Ljava/io/File;)Z
java/io/Win32FileSystem rename0(Ljava/io/File;Ljava/io/File;)Z
java/io/Win32FileSystem setLastModifiedTime(Ljava/io/File;J)Z
java/io/Win32FileSystem setReadOnly(Ljava/io/File;)Z
java/io/Win32FileSystem access(Ljava/lang/String;)Z
java/io/Win32FileSystem listRoots0()I
java/io/Win32FileSystem listRoots()[Ljava/io/File;
java/io/Win32FileSystem compare(Ljava/io/File;Ljava/io/File;)I
java/io/Win32FileSystem hashCode(Ljava/io/File;)I
java/io/Win32FileSystem initIDs()V
java/io/Win32FileSystem <clinit>()V
class java/io/FileSystem java/lang/Object
java/io/FileSystem BA_EXISTS

java/io/FileSystem BA_REGULAR
java/io/FileSystem BA_DIRECTORY
java/io/FileSystem BA_HIDDEN
java/io/FileSystem useCanonCaches
java/io/FileSystem useCanonPrefixCache
java/io/FileSystem <init>()V
java/io/FileSystem getFileSystem()Ljava/io/FileSystem;
java/io/FileSystem
getSeparator()C
java/io/FileSystem getPathSeparator()C
java/io/FileSystem normalize(Ljava/lang/String;)Ljava/lang/String;
java/io/FileSystem prefixLength(Ljava/lang/String;)I
java/io/FileSystem resolve(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/io/FileSystem getDefaultParent()Ljava/lang/String;
java/io/FileSystem fromURIPath(Ljava/lang/String;)Ljava/lang/String;
java/io/FileSystem isAbsolute(Ljava/io/File;)Z
java/io/FileSystem resolve(Ljava/io/File;)Ljava/lang/String;
java/io/FileSystem canonicalize(Ljava/lang/String;)Ljava/lang/String;
java/io/FileSystem getBooleanAttributes(Ljava/io/File;)I
java/io/FileSystem checkAccess(Ljava/io/File;Z)Z
java/io/FileSystem getLastModifiedTime(Ljava/io/File;)J
java/io/FileSystem getLength(Ljava/io/File;)J
java/io/FileSystem createFileExclusively(Ljava/lang/String;)Z
java/io/FileSystem delete(Ljava/io/File;)Z
java/io/FileSystem deleteOnExit(Ljava/io/File;)Z
java/io/FileSystem list(Ljava/io/File;)[Ljava/lang/String;
java/io/FileSystem
createDirectory(Ljava/io/File;)Z
java/io/FileSystem rename(Ljava/io/File;Ljava/io/File;)Z
java/io/FileSystem setLastModifiedTime(Ljava/io/File;J)Z
java/io/FileSystem setReadOnly(Ljava/io/File;)Z
java/io/FileSystem listRoots()[Ljava/io/File;
java/io/FileSystem compare(Ljava/io/File;Ljava/io/File;)I
java/io/FileSystem hashCode(Ljava/io/File;)I
java/io/FileSystem getBooleanProperty(Ljava/lang/String;Z)Z
java/io/FileSystem <clinit>()V
class java/io/File java/lang/Object
java/io/File fs
java/io/File path
java/io/File prefixLength
java/io/File separatorChar
java/io/File separator
java/io/File pathSeparatorChar
java/io/File pathSeparator
java/io/File tmpFileLock
java/io/File counter
java/io/File tmpdir
java/io/File serialVersionUID

java/io/File $assertionsDisabled
java/io/File getPrefixLength()I
java/io/File <init>(Ljava/lang/String;I)V
java/io/File <init>(Ljava/lang/String;Ljava/io/File;)V
java/io/File <init>(Ljava/lang/String;)V
java/io/File <init>(Ljava/lang/String;Ljava/lang/String;)V
java/io/File
<init>(Ljava/io/File;Ljava/lang/String;)V
java/io/File <init>(Ljava/net/URI;)V
java/io/File getName()Ljava/lang/String;
java/io/File getParent()Ljava/lang/String;
java/io/File getParentFile()Ljava/io/File;
java/io/File getPath()Ljava/lang/String;
java/io/File isAbsolute()Z
java/io/File getAbsolutePath()Ljava/lang/String;
java/io/File getAbsoluteFile()Ljava/io/File;
java/io/File getCanonicalPath()Ljava/lang/String;
java/io/File getCanonicalFile()Ljava/io/File;
java/io/File slashify(Ljava/lang/String;Z)Ljava/lang/String;
java/io/File toURL()Ljava/net/URL;
java/io/File toURI()Ljava/net/URI;
java/io/File canRead()Z
java/io/File canWrite()Z
java/io/File exists()Z
java/io/File isDirectory()Z
java/io/File isFile()Z
java/io/File isHidden()Z
java/io/File lastModified()J
java/io/File length()J
java/io/File createNewFile()Z
java/io/File delete()Z
java/io/File deleteOnExit()V
java/io/File list()[Ljava/lang/String;
java/io/File list(Ljava/io/FilenameFilter;)[Ljava/lang/String;
java/io/File
listFiles()[Ljava/io/File;
java/io/File listFiles(Ljava/io/FilenameFilter;)[Ljava/io/File;
java/io/File listFiles(Ljava/io/FileFilter;)[Ljava/io/File;
java/io/File mkdir()Z
java/io/File mkdirs()Z
java/io/File renameTo(Ljava/io/File;)Z
java/io/File setLastModified(J)Z
java/io/File setReadOnly()Z
java/io/File listRoots()[Ljava/io/File;
java/io/File generateFile(Ljava/lang/String;Ljava/lang/String;Ljava/io/File;)Ljava/io/File;
java/io/File getTempDir()Ljava/lang/String;
java/io/File checkAndCreate(Ljava/lang/String;Ljava/lang/SecurityManager;)Z
java/io/File createTempFile(Ljava/lang/String;Ljava/lang/String;Ljava/io/File;)Ljava/io/File;

java/io/File createTempFile(Ljava/lang/String;Ljava/lang/String;)Ljava/io/File;
java/io/File compareTo(Ljava/io/File;)I
java/io/File equals(Ljava/lang/Object;)Z
java/io/File hashCode()I
java/io/File toString()Ljava/lang/String;
java/io/File writeObject(Ljava/io/ObjectOutputStream;)V
java/io/File readObject(Ljava/io/ObjectInputStream;)V
java/io/File
 compareTo(Ljava/lang/Object;)I
java/io/File <clinit>()V
class java/io/BufferedWriter java/io/Writer
java/io/BufferedWriter out
java/io/BufferedWriter cb
java/io/BufferedWriter nChars
java/io/BufferedWriter nextChar
java/io/BufferedWriter defaultCharBufferSize
java/io/BufferedWriter lineSeparator
java/io/BufferedWriter <init>(Ljava/io/Writer;)V
java/io/BufferedWriter <init>(Ljava/io/Writer;I)V
java/io/BufferedWriter ensureOpen()V
java/io/BufferedWriter flushBuffer()V
java/io/BufferedWriter write(I)V
java/io/BufferedWriter min(II)I
java/io/BufferedWriter write([CII)V
java/io/BufferedWriter write(Ljava/lang/String;II)V
java/io/BufferedWriter newLine()V
java/io/BufferedWriter flush()V
java/io/BufferedWriter close()V
java/io/BufferedWriter <clinit>()V
class java/nio/charset/CoderResult$2 java/nio/charset/CoderResult$Cache
java/nio/charset/CoderResult$2 <init>()V
java/nio/charset/CoderResult$2 create(I)Ljava/nio/charset/CoderResult;
class java/nio/charset/CoderResult$1 java/nio/charset/CoderResult$Cache
java/nio/charset/CoderResult$1
 <init>()V
java/nio/charset/CoderResult$1 create(I)Ljava/nio/charset/CoderResult;
class java/nio/charset/CoderResult$Cache java/lang/Object
java/nio/charset/CoderResult$Cache cache
java/nio/charset/CoderResult$Cache <init>()V
java/nio/charset/CoderResult$Cache create(I)Ljava/nio/charset/CoderResult;
java/nio/charset/CoderResult$Cache get(I)Ljava/nio/charset/CoderResult;
java/nio/charset/CoderResult$Cache <init>(Ljava/nio/charset/CoderResult$1;)V
java/nio/charset/CoderResult$Cache
access$200(Ljava/nio/charset/CoderResult$Cache;I)Ljava/nio/charset/CoderResult;
class java/nio/charset/CoderResult java/lang/Object
java/nio/charset/CoderResult CR_UNDERFLOW
java/nio/charset/CoderResult CR_OVERFLOW
java/nio/charset/CoderResult CR_ERROR_MIN

java/nio/charset/CoderResult CR_MALFORMED
java/nio/charset/CoderResult CR_UNMAPPABLE
java/nio/charset/CoderResult names
java/nio/charset/CoderResult type
java/nio/charset/CoderResult length
java/nio/charset/CoderResult
UNDERFLOW
java/nio/charset/CoderResult OVERFLOW
java/nio/charset/CoderResult malformedCache
java/nio/charset/CoderResult unmappableCache
java/nio/charset/CoderResult $assertionsDisabled
java/nio/charset/CoderResult <init>(II)V
java/nio/charset/CoderResult toString()Ljava/lang/String;
java/nio/charset/CoderResult isUnderflow()Z
java/nio/charset/CoderResult isOverflow()Z
java/nio/charset/CoderResult isError()Z
java/nio/charset/CoderResult isMalformed()Z
java/nio/charset/CoderResult isUnmappable()Z
java/nio/charset/CoderResult length()I
java/nio/charset/CoderResult malformedForLength(I)Ljava/nio/charset/CoderResult;
java/nio/charset/CoderResult unmappableForLength(I)Ljava/nio/charset/CoderResult;
java/nio/charset/CoderResult throwException()V
java/nio/charset/CoderResult <init>(IILjava/nio/charset/CoderResult$1;)V
java/nio/charset/CoderResult <clinit>()V
class java/nio/HeapCharBuffer java/nio/CharBuffer
java/nio/HeapCharBuffer <init>(II)V
java/nio/HeapCharBuffer <init>([CII)V
java/nio/HeapCharBuffer
<init>([CIIII)V
java/nio/HeapCharBuffer slice()Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer duplicate()Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer ix(I)I
java/nio/HeapCharBuffer get()C
java/nio/HeapCharBuffer get(I)C
java/nio/HeapCharBuffer get([CII)Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer isDirect()Z
java/nio/HeapCharBuffer isReadOnly()Z
java/nio/HeapCharBuffer put(C)Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer put(IC)Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer put([CII)Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer put(Ljava/nio/CharBuffer;)Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer compact()Ljava/nio/CharBuffer;
java/nio/HeapCharBuffer toString(II)Ljava/lang/String;
java/nio/HeapCharBuffer subSequence(II)Ljava/lang/CharSequence;
java/nio/HeapCharBuffer order()Ljava/nio/ByteOrder;
class java/nio/CharBuffer java/nio/Buffer
java/nio/CharBuffer hb

java/nio/CharBuffer offset
java/nio/CharBuffer
isReadOnly
java/nio/CharBuffer <init>(IIII[CI)V
java/nio/CharBuffer <init>(IIII)V
java/nio/CharBuffer allocate(I)Ljava/nio/CharBuffer;
java/nio/CharBuffer wrap([CII)Ljava/nio/CharBuffer;
java/nio/CharBuffer wrap([C)Ljava/nio/CharBuffer;
java/nio/CharBuffer read(Ljava/nio/CharBuffer;)I
java/nio/CharBuffer wrap(Ljava/lang/CharSequence;II)Ljava/nio/CharBuffer;
java/nio/CharBuffer wrap(Ljava/lang/CharSequence;)Ljava/nio/CharBuffer;
java/nio/CharBuffer slice()Ljava/nio/CharBuffer;
java/nio/CharBuffer duplicate()Ljava/nio/CharBuffer;
java/nio/CharBuffer asReadOnlyBuffer()Ljava/nio/CharBuffer;
java/nio/CharBuffer get()C
java/nio/CharBuffer put(C)Ljava/nio/CharBuffer;
java/nio/CharBuffer get(I)C
java/nio/CharBuffer put(IC)Ljava/nio/CharBuffer;
java/nio/CharBuffer get([CII)Ljava/nio/CharBuffer;
java/nio/CharBuffer get([C)Ljava/nio/CharBuffer;
java/nio/CharBuffer put(Ljava/nio/CharBuffer;)Ljava/nio/CharBuffer;
java/nio/CharBuffer put([CII)Ljava/nio/CharBuffer;
java/nio/CharBuffer put([C)Ljava/nio/CharBuffer;
java/nio/CharBuffer
put(Ljava/lang/String;II)Ljava/nio/CharBuffer;
java/nio/CharBuffer put(Ljava/lang/String;)Ljava/nio/CharBuffer;
java/nio/CharBuffer hasArray()Z
java/nio/CharBuffer array()[C
java/nio/CharBuffer arrayOffset()I
java/nio/CharBuffer compact()Ljava/nio/CharBuffer;
java/nio/CharBuffer isDirect()Z
java/nio/CharBuffer hashCode()I
java/nio/CharBuffer equals(Ljava/lang/Object;)Z
java/nio/CharBuffer compareTo(Ljava/nio/CharBuffer;)I
java/nio/CharBuffer toString()Ljava/lang/String;
java/nio/CharBuffer toString(II)Ljava/lang/String;
java/nio/CharBuffer length()I
java/nio/CharBuffer charAt(I)C
java/nio/CharBuffer subSequence(II)Ljava/lang/CharSequence;
java/nio/CharBuffer append(Ljava/lang/CharSequence;)Ljava/nio/CharBuffer;
java/nio/CharBuffer append(Ljava/lang/CharSequence;II)Ljava/nio/CharBuffer;
java/nio/CharBuffer append(C)Ljava/nio/CharBuffer;
java/nio/CharBuffer order()Ljava/nio/ByteOrder;
java/nio/CharBuffer compareTo(Ljava/lang/Object;)I
java/nio/CharBuffer
append(C)Ljava/lang/Appendable;
java/nio/CharBuffer append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/nio/CharBuffer append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;

class java/lang/Readable java/lang/Object
java/lang/Readable read(Ljava/nio/CharBuffer;)I
class java/nio/ByteOrder java/lang/Object
java/nio/ByteOrder name
java/nio/ByteOrder BIG_ENDIAN
java/nio/ByteOrder LITTLE_ENDIAN
java/nio/ByteOrder <init>(Ljava/lang/String;)V
java/nio/ByteOrder nativeOrder()Ljava/nio/ByteOrder;
java/nio/ByteOrder toString()Ljava/lang/String;
java/nio/ByteOrder <clinit>()V
class java/lang/Runtime java/lang/Object
java/lang/Runtime currentRuntime
java/lang/Runtime getRuntime()Ljava/lang/Runtime;
java/lang/Runtime <init>()V
java/lang/Runtime exit(I)V
java/lang/Runtime addShutdownHook(Ljava/lang/Thread;)V
java/lang/Runtime removeShutdownHook(Ljava/lang/Thread;)Z
java/lang/Runtime halt(I)V
java/lang/Runtime runFinalizersOnExit(Z)V
java/lang/Runtime exec(Ljava/lang/String;)Ljava/lang/Process;
java/lang/Runtime
exec(Ljava/lang/String;[Ljava/lang/String;)Ljava/lang/Process;
java/lang/Runtime exec(Ljava/lang/String;[Ljava/lang/String;Ljava/io/File;)Ljava/lang/Process;
java/lang/Runtime exec([Ljava/lang/String;)Ljava/lang/Process;
java/lang/Runtime exec([Ljava/lang/String;[Ljava/lang/String;)Ljava/lang/Process;
java/lang/Runtime exec([Ljava/lang/String;[Ljava/lang/String;Ljava/io/File;)Ljava/lang/Process;
java/lang/Runtime availableProcessors()I
java/lang/Runtime freeMemory()J
java/lang/Runtime totalMemory()J
java/lang/Runtime maxMemory()J
java/lang/Runtime gc()V
java/lang/Runtime runFinalization0()V
java/lang/Runtime runFinalization()V
java/lang/Runtime traceInstructions(Z)V
java/lang/Runtime traceMethodCalls(Z)V
java/lang/Runtime load(Ljava/lang/String;)V
java/lang/Runtime load0(Ljava/lang/Class;Ljava/lang/String;)V
java/lang/Runtime loadLibrary(Ljava/lang/String;)V
java/lang/Runtime loadLibrary0(Ljava/lang/Class;Ljava/lang/String;)V
java/lang/Runtime getLocalizedInputStream(Ljava/io/InputStream;)Ljava/io/InputStream;
java/lang/Runtime
getLocalizedOutputStream(Ljava/io/OutputStream;)Ljava/io/OutputStream;
java/lang/Runtime <clinit>()V
class java/nio/Bits java/lang/Object
java/nio/Bits unsafe
java/nio/Bits byteOrder
java/nio/Bits pageSize
java/nio/Bits unaligned

java/nio/Bits unalignedKnown
java/nio/Bits maxMemory
java/nio/Bits reservedMemory
java/nio/Bits memoryLimitSet
java/nio/Bits JNI_COPY_TO_ARRAY_THRESHOLD
java/nio/Bits JNI_COPY_FROM_ARRAY_THRESHOLD
java/nio/Bits $assertionsDisabled
java/nio/Bits <init>()V
java/nio/Bits swap(S)S
java/nio/Bits swap(C)C
java/nio/Bits swap(I)I
java/nio/Bits swap(J)J
java/nio/Bits makeChar(BB)C
java/nio/Bits getCharL(Ljava/nio/ByteBuffer;I)C
java/nio/Bits getCharL(J)C
java/nio/Bits getCharB(Ljava/nio/ByteBuffer;I)C
java/nio/Bits getCharB(J)C
java/nio/Bits getChar(Ljava/nio/ByteBuffer;IZ)C
java/nio/Bits getChar(JZ)C
java/nio/Bits char1(C)B
java/nio/Bits char0(C)B
java/nio/Bits putCharL(Ljava/nio/ByteBuffer;IC)V
java/nio/Bits
putCharL(JC)V
java/nio/Bits putCharB(Ljava/nio/ByteBuffer;IC)V
java/nio/Bits putCharB(JC)V
java/nio/Bits putChar(Ljava/nio/ByteBuffer;ICZ)V
java/nio/Bits putChar(JCZ)V
java/nio/Bits makeShort(BB)S
java/nio/Bits getShortL(Ljava/nio/ByteBuffer;I)S
java/nio/Bits getShortL(J)S
java/nio/Bits getShortB(Ljava/nio/ByteBuffer;I)S
java/nio/Bits getShortB(J)S
java/nio/Bits getShort(Ljava/nio/ByteBuffer;IZ)S
java/nio/Bits getShort(JZ)S
java/nio/Bits short1(S)B
java/nio/Bits short0(S)B
java/nio/Bits putShortL(Ljava/nio/ByteBuffer;IS)V
java/nio/Bits putShortL(JS)V
java/nio/Bits putShortB(Ljava/nio/ByteBuffer;IS)V
java/nio/Bits putShortB(JS)V
java/nio/Bits putShort(Ljava/nio/ByteBuffer;ISZ)V
java/nio/Bits putShort(JSZ)V
java/nio/Bits makeInt(BBBB)I
java/nio/Bits getIntL(Ljava/nio/ByteBuffer;I)I
java/nio/Bits getIntL(J)I
java/nio/Bits getIntB(Ljava/nio/ByteBuffer;I)I
java/nio/Bits getIntB(J)I

java/nio/Bits getInt(Ljava/nio/ByteBuffer;IZ)I
java/nio/Bits getInt(JZ)I
java/nio/Bits int3(I)B
java/nio/Bits
int2(I)B
java/nio/Bits int1(I)B
java/nio/Bits int0(I)B
java/nio/Bits putIntL(Ljava/nio/ByteBuffer;II)V
java/nio/Bits putIntL(JI)V
java/nio/Bits putIntB(Ljava/nio/ByteBuffer;II)V
java/nio/Bits putIntB(JI)V
java/nio/Bits putInt(Ljava/nio/ByteBuffer;IIZ)V
java/nio/Bits putInt(JIZ)V
java/nio/Bits makeLong(BBBBBBBB)J
java/nio/Bits getLongL(Ljava/nio/ByteBuffer;I)J
java/nio/Bits getLongL(J)J
java/nio/Bits getLongB(Ljava/nio/ByteBuffer;I)J
java/nio/Bits getLongB(J)J
java/nio/Bits getLong(Ljava/nio/ByteBuffer;IZ)J
java/nio/Bits getLong(JZ)J
java/nio/Bits long7(J)B
java/nio/Bits long6(J)B
java/nio/Bits long5(J)B
java/nio/Bits long4(J)B
java/nio/Bits long3(J)B
java/nio/Bits long2(J)B
java/nio/Bits long1(J)B
java/nio/Bits long0(J)B
java/nio/Bits putLongL(Ljava/nio/ByteBuffer;IJ)V
java/nio/Bits putLongL(JJ)V
java/nio/Bits putLongB(Ljava/nio/ByteBuffer;IJ)V
java/nio/Bits putLongB(JJ)V
java/nio/Bits putLong(Ljava/nio/ByteBuffer;IJZ)V
java/nio/Bits putLong(JJZ)V
java/nio/Bits getFloatL(Ljava/nio/ByteBuffer;I)F
java/nio/Bits
getFloatL(J)F
java/nio/Bits getFloatB(Ljava/nio/ByteBuffer;I)F
java/nio/Bits getFloatB(J)F
java/nio/Bits getFloat(Ljava/nio/ByteBuffer;IZ)F
java/nio/Bits getFloat(JZ)F
java/nio/Bits putFloatL(Ljava/nio/ByteBuffer;IF)V
java/nio/Bits putFloatL(JF)V
java/nio/Bits putFloatB(Ljava/nio/ByteBuffer;IF)V
java/nio/Bits putFloatB(JF)V
java/nio/Bits putFloat(Ljava/nio/ByteBuffer;IFZ)V
java/nio/Bits putFloat(JFZ)V
java/nio/Bits getDoubleL(Ljava/nio/ByteBuffer;I)D

java/nio/Bits getDoubleL(J)D
java/nio/Bits getDoubleB(Ljava/nio/ByteBuffer;I)D
java/nio/Bits getDoubleB(J)D
java/nio/Bits getDouble(Ljava/nio/ByteBuffer;IZ)D
java/nio/Bits getDouble(JZ)D
java/nio/Bits putDoubleL(Ljava/nio/ByteBuffer;ID)V
java/nio/Bits putDoubleL(JD)V
java/nio/Bits putDoubleB(Ljava/nio/ByteBuffer;ID)V
java/nio/Bits putDoubleB(JD)V
java/nio/Bits putDouble(Ljava/nio/ByteBuffer;IDZ)V
java/nio/Bits putDouble(JDZ)V
java/nio/Bits _get(J)B
java/nio/Bits _put(JB)V
java/nio/Bits unsafe()Lsun/misc/Unsafe;
java/nio/Bits
byteOrder()Ljava/nio/ByteOrder;
java/nio/Bits pageSize()I
java/nio/Bits unaligned()Z
java/nio/Bits reserveMemory(J)V
java/nio/Bits unreserveMemory(J)V
java/nio/Bits copyFromByteArray(Ljava/lang/Object;JJJ)V
java/nio/Bits copyToByteArray(JLjava/lang/Object;JJ)V
java/nio/Bits copyFromCharArray(Ljava/lang/Object;JJJ)V
java/nio/Bits copyToCharArray(JLjava/lang/Object;JJ)V
java/nio/Bits copyFromShortArray(Ljava/lang/Object;JJJ)V
java/nio/Bits copyToShortArray(JLjava/lang/Object;JJ)V
java/nio/Bits copyFromIntArray(Ljava/lang/Object;JJJ)V
java/nio/Bits copyToIntArray(JLjava/lang/Object;JJ)V
java/nio/Bits copyFromLongArray(Ljava/lang/Object;JJJ)V
java/nio/Bits copyToLongArray(JLjava/lang/Object;JJ)V
java/nio/Bits <clinit>()V
class java/nio/HeapByteBuffer java/nio/ByteBuffer
java/nio/HeapByteBuffer <init>(II)V
java/nio/HeapByteBuffer <init>([BII)V
java/nio/HeapByteBuffer <init>([BIIII)V
java/nio/HeapByteBuffer slice()Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer
duplicate()Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer asReadOnlyBuffer()Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer ix(I)I
java/nio/HeapByteBuffer get()B
java/nio/HeapByteBuffer get(I)B
java/nio/HeapByteBuffer get([BII)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer isDirect()Z
java/nio/HeapByteBuffer isReadOnly()Z
java/nio/HeapByteBuffer put(B)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer put(IB)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer put([BII)Ljava/nio/ByteBuffer;

java/nio/HeapByteBuffer put(Ljava/nio/ByteBuffer;)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer compact()Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer _get(I)B
java/nio/HeapByteBuffer _put(IB)V
java/nio/HeapByteBuffer getChar()C
java/nio/HeapByteBuffer getChar(I)C
java/nio/HeapByteBuffer putChar(C)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer putChar(IC)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer asCharBuffer()Ljava/nio/CharBuffer;
java/nio/HeapByteBuffer getShort()S
java/nio/HeapByteBuffer getShort(I)S
java/nio/HeapByteBuffer
putShort(S)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer putShort(IS)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer asShortBuffer()Ljava/nio/ShortBuffer;
java/nio/HeapByteBuffer getInt()I
java/nio/HeapByteBuffer getInt(I)I
java/nio/HeapByteBuffer putInt(I)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer putInt(II)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer asIntBuffer()Ljava/nio/IntBuffer;
java/nio/HeapByteBuffer getLong()J
java/nio/HeapByteBuffer getLong(I)J
java/nio/HeapByteBuffer putLong(J)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer putLong(IJ)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer asLongBuffer()Ljava/nio/LongBuffer;
java/nio/HeapByteBuffer getFloat()F
java/nio/HeapByteBuffer getFloat(I)F
java/nio/HeapByteBuffer putFloat(F)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer putFloat(IF)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer asFloatBuffer()Ljava/nio/FloatBuffer;
java/nio/HeapByteBuffer getDouble()D
java/nio/HeapByteBuffer getDouble(I)D
java/nio/HeapByteBuffer
putDouble(D)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer putDouble(ID)Ljava/nio/ByteBuffer;
java/nio/HeapByteBuffer asDoubleBuffer()Ljava/nio/DoubleBuffer;
class java/nio/ByteBuffer java/nio/Buffer
java/nio/ByteBuffer hb
java/nio/ByteBuffer offset
java/nio/ByteBuffer isReadOnly
java/nio/ByteBuffer bigEndian
java/nio/ByteBuffer nativeByteOrder
java/nio/ByteBuffer <init>(IIII[BI)V
java/nio/ByteBuffer <init>(IIII)V
java/nio/ByteBuffer allocateDirect(I)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer allocate(I)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer wrap([BII)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer wrap([B)Ljava/nio/ByteBuffer;

java/nio/ByteBuffer slice()Ljava/nio/ByteBuffer;
java/nio/ByteBuffer duplicate()Ljava/nio/ByteBuffer;
java/nio/ByteBuffer asReadOnlyBuffer()Ljava/nio/ByteBuffer;
java/nio/ByteBuffer get()B
java/nio/ByteBuffer put(B)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer get(I)B
java/nio/ByteBuffer put(IB)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer get([BII)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer
get([B)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer put(Ljava/nio/ByteBuffer;)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer put([BII)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer put([B)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer hasArray()Z
java/nio/ByteBuffer array()[B
java/nio/ByteBuffer arrayOffset()I
java/nio/ByteBuffer compact()Ljava/nio/ByteBuffer;
java/nio/ByteBuffer isDirect()Z
java/nio/ByteBuffer toString()Ljava/lang/String;
java/nio/ByteBuffer hashCode()I
java/nio/ByteBuffer equals(Ljava/lang/Object;)Z
java/nio/ByteBuffer compareTo(Ljava/nio/ByteBuffer;)I
java/nio/ByteBuffer order()Ljava/nio/ByteOrder;
java/nio/ByteBuffer order(Ljava/nio/ByteOrder;)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer _get(I)B
java/nio/ByteBuffer _put(IB)V
java/nio/ByteBuffer getChar()C
java/nio/ByteBuffer putChar(C)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer getChar(I)C
java/nio/ByteBuffer putChar(IC)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer asCharBuffer()Ljava/nio/CharBuffer;
java/nio/ByteBuffer getShort()S
java/nio/ByteBuffer
putShort(S)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer getShort(I)S
java/nio/ByteBuffer putShort(IS)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer asShortBuffer()Ljava/nio/ShortBuffer;
java/nio/ByteBuffer getInt()I
java/nio/ByteBuffer putInt(I)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer getInt(I)I
java/nio/ByteBuffer putInt(II)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer asIntBuffer()Ljava/nio/IntBuffer;
java/nio/ByteBuffer getLong()J
java/nio/ByteBuffer putLong(J)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer getLong(I)J
java/nio/ByteBuffer putLong(IJ)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer asLongBuffer()Ljava/nio/LongBuffer;
java/nio/ByteBuffer getFloat()F

java/nio/ByteBuffer putFloat(F)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer getFloat(I)F
java/nio/ByteBuffer putFloat(IF)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer asFloatBuffer()Ljava/nio/FloatBuffer;
java/nio/ByteBuffer getDouble()D
java/nio/ByteBuffer putDouble(D)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer getDouble(I)D
java/nio/ByteBuffer
putDouble(ID)Ljava/nio/ByteBuffer;
java/nio/ByteBuffer asDoubleBuffer()Ljava/nio/DoubleBuffer;
java/nio/ByteBuffer compareTo(Ljava/lang/Object;)I
class java/nio/charset/CharsetDecoder java/lang/Object
java/nio/charset/CharsetDecoder charset
java/nio/charset/CharsetDecoder averageCharsPerByte
java/nio/charset/CharsetDecoder maxCharsPerByte
java/nio/charset/CharsetDecoder replacement
java/nio/charset/CharsetDecoder malformedInputAction
java/nio/charset/CharsetDecoder unmappableCharacterAction
java/nio/charset/CharsetDecoder ST_RESET
java/nio/charset/CharsetDecoder ST_CODING
java/nio/charset/CharsetDecoder ST_END
java/nio/charset/CharsetDecoder ST_FLUSHED
java/nio/charset/CharsetDecoder state
java/nio/charset/CharsetDecoder stateNames
java/nio/charset/CharsetDecoder $assertionsDisabled
java/nio/charset/CharsetDecoder <init>(Ljava/nio/charset/Charset;FFLjava/lang/String;)V
java/nio/charset/CharsetDecoder <init>(Ljava/nio/charset/Charset;FF)V
java/nio/charset/CharsetDecoder
charset()Ljava/nio/charset/Charset;
java/nio/charset/CharsetDecoder replacement()Ljava/lang/String;
java/nio/charset/CharsetDecoder replaceWith(Ljava/lang/String;)Ljava/nio/charset/CharsetDecoder;
java/nio/charset/CharsetDecoder implReplaceWith(Ljava/lang/String;)V
java/nio/charset/CharsetDecoder malformedInputAction()Ljava/nio/charset/CodingErrorAction;
java/nio/charset/CharsetDecoder
onMalformedInput(Ljava/nio/charset/CodingErrorAction;)Ljava/nio/charset/CharsetDecoder;
java/nio/charset/CharsetDecoder implOnMalformedInput(Ljava/nio/charset/CodingErrorAction;)V
java/nio/charset/CharsetDecoder unmappableCharacterAction()Ljava/nio/charset/CodingErrorAction;
java/nio/charset/CharsetDecoder
onUnmappableCharacter(Ljava/nio/charset/CodingErrorAction;)Ljava/nio/charset/CharsetDecoder;
java/nio/charset/CharsetDecoder implOnUnmappableCharacter(Ljava/nio/charset/CodingErrorAction;)V
java/nio/charset/CharsetDecoder averageCharsPerByte()F
java/nio/charset/CharsetDecoder maxCharsPerByte()F
java/nio/charset/CharsetDecoder
decode(Ljava/nio/ByteBuffer;Ljava/nio/CharBuffer;Z)Ljava/nio/charset/CoderResult;
java/nio/charset/CharsetDecoder flush(Ljava/nio/CharBuffer;)Ljava/nio/charset/CoderResult;
java/nio/charset/CharsetDecoder implFlush(Ljava/nio/CharBuffer;)Ljava/nio/charset/CoderResult;
java/nio/charset/CharsetDecoder reset()Ljava/nio/charset/CharsetDecoder;
java/nio/charset/CharsetDecoder implReset()V

java/nio/charset/CharsetDecoder
decodeLoop(Ljava/nio/ByteBuffer;Ljava/nio/CharBuffer;)Ljava/nio/charset/CoderResult;
java/nio/charset/CharsetDecoder decode(Ljava/nio/ByteBuffer;)Ljava/nio/CharBuffer;
java/nio/charset/CharsetDecoder isAutoDetecting()Z
java/nio/charset/CharsetDecoder isCharsetDetected()Z
java/nio/charset/CharsetDecoder detectedCharset()Ljava/nio/charset/Charset;
java/nio/charset/CharsetDecoder throwIllegalStateException(II)V
java/nio/charset/CharsetDecoder <clinit>()V
class java/nio/charset/CodingErrorAction java/lang/Object
java/nio/charset/CodingErrorAction name
java/nio/charset/CodingErrorAction
 IGNORE
java/nio/charset/CodingErrorAction REPLACE
java/nio/charset/CodingErrorAction REPORT
java/nio/charset/CodingErrorAction <init>(Ljava/lang/String;)V
java/nio/charset/CodingErrorAction toString()Ljava/lang/String;
java/nio/charset/CodingErrorAction <clinit>()V
class java/nio/charset/CharsetEncoder java/lang/Object
java/nio/charset/CharsetEncoder charset
java/nio/charset/CharsetEncoder averageBytesPerChar
java/nio/charset/CharsetEncoder maxBytesPerChar
java/nio/charset/CharsetEncoder replacement
java/nio/charset/CharsetEncoder malformedInputAction
java/nio/charset/CharsetEncoder unmappableCharacterAction
java/nio/charset/CharsetEncoder ST_RESET
java/nio/charset/CharsetEncoder ST_CODING
java/nio/charset/CharsetEncoder ST_END
java/nio/charset/CharsetEncoder ST_FLUSHED
java/nio/charset/CharsetEncoder state
java/nio/charset/CharsetEncoder stateNames
java/nio/charset/CharsetEncoder cachedDecoder
java/nio/charset/CharsetEncoder $assertionsDisabled
java/nio/charset/CharsetEncoder
 <init>(Ljava/nio/charset/Charset;FF[B)V
java/nio/charset/CharsetEncoder <init>(Ljava/nio/charset/Charset;FF)V
java/nio/charset/CharsetEncoder charset()Ljava/nio/charset/Charset;
java/nio/charset/CharsetEncoder replacement()[B
java/nio/charset/CharsetEncoder replaceWith([B)Ljava/nio/charset/CharsetEncoder;
java/nio/charset/CharsetEncoder implReplaceWith([B)V
java/nio/charset/CharsetEncoder isLegalReplacement([B)Z
java/nio/charset/CharsetEncoder malformedInputAction()Ljava/nio/charset/CodingErrorAction;
java/nio/charset/CharsetEncoder
onMalformedInput(Ljava/nio/charset/CodingErrorAction;)Ljava/nio/charset/CharsetEncoder;
java/nio/charset/CharsetEncoder implOnMalformedInput(Ljava/nio/charset/CodingErrorAction;)V
java/nio/charset/CharsetEncoder unmappableCharacterAction()Ljava/nio/charset/CodingErrorAction;
java/nio/charset/CharsetEncoder
onUnmappableCharacter(Ljava/nio/charset/CodingErrorAction;)Ljava/nio/charset/CharsetEncoder;
java/nio/charset/CharsetEncoder

implOnUnmappableCharacter(Ljava/nio/charset/CodingErrorAction;)V
java/nio/charset/CharsetEncoder averageBytesPerChar()F
java/nio/charset/CharsetEncoder maxBytesPerChar()F
java/nio/charset/CharsetEncoder
encode(Ljava/nio/CharBuffer;Ljava/nio/ByteBuffer;Z)Ljava/nio/charset/CoderResult;
java/nio/charset/CharsetEncoder flush(Ljava/nio/ByteBuffer;)Ljava/nio/charset/CoderResult;
java/nio/charset/CharsetEncoder implFlush(Ljava/nio/ByteBuffer;)Ljava/nio/charset/CoderResult;
java/nio/charset/CharsetEncoder reset()Ljava/nio/charset/CharsetEncoder;
java/nio/charset/CharsetEncoder implReset()V
java/nio/charset/CharsetEncoder
encodeLoop(Ljava/nio/CharBuffer;Ljava/nio/ByteBuffer;)Ljava/nio/charset/CoderResult;
java/nio/charset/CharsetEncoder encode(Ljava/nio/CharBuffer;)Ljava/nio/ByteBuffer;
java/nio/charset/CharsetEncoder canEncode(Ljava/nio/CharBuffer;)Z
java/nio/charset/CharsetEncoder canEncode(C)Z
java/nio/charset/CharsetEncoder canEncode(Ljava/lang/CharSequence;)Z
java/nio/charset/CharsetEncoder
throwIllegalStateException(II)V
java/nio/charset/CharsetEncoder <clinit>()V
class java/lang/Class$1 java/lang/Object
java/lang/Class$1 val$c
java/lang/Class$1 this$0
java/lang/Class$1 <init>(Ljava/lang/Class;Ljava/lang/reflect/Constructor;)V
java/lang/Class$1 run()Ljava/lang/Object;
class java/lang/StringBuilder java/lang/AbstractStringBuilder
java/lang/StringBuilder serialVersionUID
java/lang/StringBuilder <init>()V
java/lang/StringBuilder <init>(I)V
java/lang/StringBuilder <init>(Ljava/lang/String;)V
java/lang/StringBuilder <init>(Ljava/lang/CharSequence;)V
java/lang/StringBuilder append(Ljava/lang/Object;)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(Ljava/lang/String;)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(Ljava/lang/StringBuilder;)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(Ljava/lang/StringBuffer;)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(Ljava/lang/CharSequence;)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(Ljava/lang/CharSequence;II)Ljava/lang/StringBuilder;
java/lang/StringBuilder
append([C)Ljava/lang/StringBuilder;
java/lang/StringBuilder append([CII)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(Z)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(C)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(I)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(J)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(F)Ljava/lang/StringBuilder;
java/lang/StringBuilder append(D)Ljava/lang/StringBuilder;
java/lang/StringBuilder appendCodePoint(I)Ljava/lang/StringBuilder;
java/lang/StringBuilder delete(II)Ljava/lang/StringBuilder;
java/lang/StringBuilder deleteCharAt(I)Ljava/lang/StringBuilder;
java/lang/StringBuilder replace(IILjava/lang/String;)Ljava/lang/StringBuilder;

java/lang/StringBuilder insert(I[CII)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(ILjava/lang/Object;)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(ILjava/lang/String;)Ljava/lang/StringBuilder;
java/lang/StringBuilder
insert(I[C)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(ILjava/lang/CharSequence;)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(ILjava/lang/CharSequence;II)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(IZ)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(IC)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(II)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(IJ)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(IF)Ljava/lang/StringBuilder;
java/lang/StringBuilder insert(ID)Ljava/lang/StringBuilder;
java/lang/StringBuilder indexOf(Ljava/lang/String;)I
java/lang/StringBuilder indexOf(Ljava/lang/String;I)I
java/lang/StringBuilder lastIndexOf(Ljava/lang/String;)I
java/lang/StringBuilder lastIndexOf(Ljava/lang/String;I)I
java/lang/StringBuilder reverse()Ljava/lang/StringBuilder;
java/lang/StringBuilder toString()Ljava/lang/String;
java/lang/StringBuilder writeObject(Ljava/io/ObjectOutputStream;)V
java/lang/StringBuilder
readObject(Ljava/io/ObjectInputStream;)V
java/lang/StringBuilder reverse()Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(ID)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(IF)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(IJ)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(II)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(IC)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(IZ)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(ILjava/lang/CharSequence;II)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(ILjava/lang/CharSequence;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(I[C)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(ILjava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(ILjava/lang/Object;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder insert(I[CII)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder
replace(IILjava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder deleteCharAt(I)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder appendCodePoint(I)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder delete(II)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(D)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(F)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(J)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(I)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(C)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(Z)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append([CII)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append([C)Ljava/lang/AbstractStringBuilder;

java/lang/StringBuilder append(Ljava/lang/CharSequence;II)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder
append(Ljava/lang/CharSequence;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(Ljava/lang/StringBuffer;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(Ljava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(Ljava/lang/Object;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuilder append(C)Ljava/lang/Appendable;
java/lang/StringBuilder append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/lang/StringBuilder append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
class java/lang/ThreadLocal java/lang/Object
java/lang/ThreadLocal threadLocalHashCode
java/lang/ThreadLocal nextHashCode
java/lang/ThreadLocal HASH_INCREMENT
java/lang/ThreadLocal nextHashCode()I
java/lang/ThreadLocal initialValue()Ljava/lang/Object;
java/lang/ThreadLocal <init>()V
java/lang/ThreadLocal get()Ljava/lang/Object;
java/lang/ThreadLocal set(Ljava/lang/Object;)V
java/lang/ThreadLocal remove()V
java/lang/ThreadLocal getMap(Ljava/lang/Thread;)Ljava/lang/ThreadLocal$ThreadLocalMap;
java/lang/ThreadLocal
createMap(Ljava/lang/Thread;Ljava/lang/Object;)V
java/lang/ThreadLocal
createInheritedMap(Ljava/lang/ThreadLocal$ThreadLocalMap;)Ljava/lang/ThreadLocal$ThreadLocalMap;
java/lang/ThreadLocal childValue(Ljava/lang/Object;)Ljava/lang/Object;
java/lang/ThreadLocal access$400(Ljava/lang/ThreadLocal;)I
java/lang/ThreadLocal <clinit>()V
class java/nio/charset/spi/CharsetProvider java/lang/Object
java/nio/charset/spi/CharsetProvider <init>()V
java/nio/charset/spi/CharsetProvider charsets()Ljava/util/Iterator;
java/nio/charset/spi/CharsetProvider charsetForName(Ljava/lang/String;)Ljava/nio/charset/Charset;
class java/nio/charset/Charset java/lang/Object
java/nio/charset/Charset bugLevel
java/nio/charset/Charset standardProvider
java/nio/charset/Charset cache1
java/nio/charset/Charset cache2
java/nio/charset/Charset gate
java/nio/charset/Charset extendedProviderLock
java/nio/charset/Charset extendedProviderProbed
java/nio/charset/Charset
extendedProvider
java/nio/charset/Charset defaultCharset
java/nio/charset/Charset name
java/nio/charset/Charset aliases
java/nio/charset/Charset aliasSet
java/nio/charset/Charset atBugLevel(Ljava/lang/String;)Z
java/nio/charset/Charset checkName(Ljava/lang/String;)V
java/nio/charset/Charset cache(Ljava/lang/String;Ljava/nio/charset/Charset;)V

java/nio/charset/Charset providers()Ljava/util/Iterator;
java/nio/charset/Charset lookupViaProviders(Ljava/lang/String;)Ljava/nio/charset/Charset;
java/nio/charset/Charset probeExtendedProvider()V
java/nio/charset/Charset lookupExtendedCharset(Ljava/lang/String;)Ljava/nio/charset/Charset;
java/nio/charset/Charset lookup(Ljava/lang/String;)Ljava/nio/charset/Charset;
java/nio/charset/Charset lookup2(Ljava/lang/String;)Ljava/nio/charset/Charset;
java/nio/charset/Charset isSupported(Ljava/lang/String;)Z
java/nio/charset/Charset forName(Ljava/lang/String;)Ljava/nio/charset/Charset;
java/nio/charset/Charset put(Ljava/util/Iterator;Ljava/util/Map;)V
java/nio/charset/Charset
availableCharsets()Ljava/util/SortedMap;
java/nio/charset/Charset defaultCharset()Ljava/nio/charset/Charset;
java/nio/charset/Charset <init>(Ljava/lang/String;[Ljava/lang/String;)V
java/nio/charset/Charset name()Ljava/lang/String;
java/nio/charset/Charset aliases()Ljava/util/Set;
java/nio/charset/Charset displayName()Ljava/lang/String;
java/nio/charset/Charset isRegistered()Z
java/nio/charset/Charset displayName(Ljava/util/Locale;)Ljava/lang/String;
java/nio/charset/Charset contains(Ljava/nio/charset/Charset;)Z
java/nio/charset/Charset newDecoder()Ljava/nio/charset/CharsetDecoder;
java/nio/charset/Charset newEncoder()Ljava/nio/charset/CharsetEncoder;
java/nio/charset/Charset canEncode()Z
java/nio/charset/Charset decode(Ljava/nio/ByteBuffer;)Ljava/nio/CharBuffer;
java/nio/charset/Charset encode(Ljava/nio/CharBuffer;)Ljava/nio/ByteBuffer;
java/nio/charset/Charset encode(Ljava/lang/String;)Ljava/nio/ByteBuffer;
java/nio/charset/Charset compareTo(Ljava/nio/charset/Charset;)I
java/nio/charset/Charset
hashCode()I
java/nio/charset/Charset equals(Ljava/lang/Object;)Z
java/nio/charset/Charset toString()Ljava/lang/String;
java/nio/charset/Charset compareTo(Ljava/lang/Object;)I
java/nio/charset/Charset access$000()Ljava/util/Iterator;
java/nio/charset/Charset access$102(Ljava/nio/charset/spi/CharsetProvider;)Ljava/nio/charset/spi/CharsetProvider;
java/nio/charset/Charset access$200()Ljava/nio/charset/spi/CharsetProvider;
java/nio/charset/Charset access$300(Ljava/util/Iterator;Ljava/util/Map;)V
java/nio/charset/Charset <clinit>()V
class java/io/OutputStreamWriter java/io/Writer
java/io/OutputStreamWriter se
java/io/OutputStreamWriter <init>(Ljava/io/OutputStream;Ljava/lang/String;)V
java/io/OutputStreamWriter <init>(Ljava/io/OutputStream;)V
java/io/OutputStreamWriter <init>(Ljava/io/OutputStream;Ljava/nio/charset/Charset;)V
java/io/OutputStreamWriter <init>(Ljava/io/OutputStream;Ljava/nio/charset/CharsetEncoder;)V
java/io/OutputStreamWriter getEncoding()Ljava/lang/String;
java/io/OutputStreamWriter
flushBuffer()V
java/io/OutputStreamWriter write(I)V
java/io/OutputStreamWriter write([CII)V
java/io/OutputStreamWriter write(Ljava/lang/String;II)V

java/io/OutputStreamWriter flush()V
java/io/OutputStreamWriter close()V
class java/io/Writer java/lang/Object
java/io/Writer writeBuffer
java/io/Writer writeBufferSize
java/io/Writer lock
java/io/Writer <init>()V
java/io/Writer <init>(Ljava/lang/Object;)V
java/io/Writer write(I)V
java/io/Writer write([C)V
java/io/Writer write([CII)V
java/io/Writer write(Ljava/lang/String;)V
java/io/Writer write(Ljava/lang/String;II)V
java/io/Writer append(Ljava/lang/CharSequence;)Ljava/io/Writer;
java/io/Writer append(Ljava/lang/CharSequence;II)Ljava/io/Writer;
java/io/Writer append(C)Ljava/io/Writer;
java/io/Writer flush()V
java/io/Writer close()V
java/io/Writer append(C)Ljava/lang/Appendable;
java/io/Writer append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/io/Writer append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
class
 java/io/BufferedOutputStream java/io/FilterOutputStream
java/io/BufferedOutputStream buf
java/io/BufferedOutputStream count
java/io/BufferedOutputStream <init>(Ljava/io/OutputStream;)V
java/io/BufferedOutputStream <init>(Ljava/io/OutputStream;I)V
java/io/BufferedOutputStream flushBuffer()V
java/io/BufferedOutputStream write(I)V
java/io/BufferedOutputStream write([BII)V
java/io/BufferedOutputStream flush()V
class java/io/PrintStream java/io/FilterOutputStream
java/io/PrintStream autoFlush
java/io/PrintStream trouble
java/io/PrintStream formatter
java/io/PrintStream textOut
java/io/PrintStream charOut
java/io/PrintStream closing
java/io/PrintStream <init>(Ljava/io/OutputStream;)V
java/io/PrintStream <init>(ZLjava/io/OutputStream;)V
java/io/PrintStream init(Ljava/io/OutputStreamWriter;)V
java/io/PrintStream <init>(Ljava/io/OutputStream;Z)V
java/io/PrintStream <init>(Ljava/io/OutputStream;ZLjava/lang/String;)V
java/io/PrintStream <init>(Ljava/lang/String;)V
java/io/PrintStream
 <init>(Ljava/lang/String;Ljava/lang/String;)V
java/io/PrintStream <init>(Ljava/io/File;)V
java/io/PrintStream <init>(Ljava/io/File;Ljava/lang/String;)V

java/io/PrintStream ensureOpen()V
java/io/PrintStream flush()V
java/io/PrintStream close()V
java/io/PrintStream checkError()Z
java/io/PrintStream setError()V
java/io/PrintStream write(I)V
java/io/PrintStream write([BII)V
java/io/PrintStream write([C)V
java/io/PrintStream write(Ljava/lang/String;)V
java/io/PrintStream newLine()V
java/io/PrintStream print(Z)V
java/io/PrintStream print(C)V
java/io/PrintStream print(I)V
java/io/PrintStream print(J)V
java/io/PrintStream print(F)V
java/io/PrintStream print(D)V
java/io/PrintStream print([C)V
java/io/PrintStream print(Ljava/lang/String;)V
java/io/PrintStream print(Ljava/lang/Object;)V
java/io/PrintStream println()V
java/io/PrintStream println(Z)V
java/io/PrintStream println(C)V
java/io/PrintStream println(I)V
java/io/PrintStream println(J)V
java/io/PrintStream println(F)V
java/io/PrintStream
println(D)V
java/io/PrintStream println([C)V
java/io/PrintStream println(Ljava/lang/String;)V
java/io/PrintStream println(Ljava/lang/Object;)V
java/io/PrintStream printf(Ljava/lang/String;[Ljava/lang/Object;)Ljava/io/PrintStream;
java/io/PrintStream printf(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/io/PrintStream;
java/io/PrintStream format(Ljava/lang/String;[Ljava/lang/Object;)Ljava/io/PrintStream;
java/io/PrintStream format(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/io/PrintStream;
java/io/PrintStream append(Ljava/lang/CharSequence;)Ljava/io/PrintStream;
java/io/PrintStream append(Ljava/lang/CharSequence;II)Ljava/io/PrintStream;
java/io/PrintStream append(C)Ljava/io/PrintStream;
java/io/PrintStream append(C)Ljava/lang/Appendable;
java/io/PrintStream append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/io/PrintStream append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
class java/io/FilterOutputStream java/io/OutputStream
java/io/FilterOutputStream
out
java/io/FilterOutputStream <init>(Ljava/io/OutputStream;)V
java/io/FilterOutputStream write(I)V
java/io/FilterOutputStream write([B)V
java/io/FilterOutputStream write([BII)V
java/io/FilterOutputStream flush()V

java/io/FilterOutputStream close()V
class java/util/Collections$SynchronizedMap java/lang/Object
java/util/Collections$SynchronizedMap serialVersionUID
java/util/Collections$SynchronizedMap m
java/util/Collections$SynchronizedMap mutex
java/util/Collections$SynchronizedMap keySet
java/util/Collections$SynchronizedMap entrySet
java/util/Collections$SynchronizedMap values
java/util/Collections$SynchronizedMap <init>(Ljava/util/Map;)V
java/util/Collections$SynchronizedMap <init>(Ljava/util/Map;Ljava/lang/Object;)V
java/util/Collections$SynchronizedMap size()I
java/util/Collections$SynchronizedMap isEmpty()Z
java/util/Collections$SynchronizedMap containsKey(Ljava/lang/Object;)Z
java/util/Collections$SynchronizedMap containsValue(Ljava/lang/Object;)Z
java/util/Collections$SynchronizedMap
get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$SynchronizedMap put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$SynchronizedMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$SynchronizedMap putAll(Ljava/util/Map;)V
java/util/Collections$SynchronizedMap clear()V
java/util/Collections$SynchronizedMap keySet()Ljava/util/Set;
java/util/Collections$SynchronizedMap entrySet()Ljava/util/Set;
java/util/Collections$SynchronizedMap values()Ljava/util/Collection;
java/util/Collections$SynchronizedMap equals(Ljava/lang/Object;)Z
java/util/Collections$SynchronizedMap hashCode()I
java/util/Collections$SynchronizedMap toString()Ljava/lang/String;
java/util/Collections$SynchronizedMap writeObject(Ljava/io/ObjectOutputStream;)V
class java/util/Collections$ReverseComparator java/lang/Object
java/util/Collections$ReverseComparator serialVersionUID
java/util/Collections$ReverseComparator <init>()V
java/util/Collections$ReverseComparator
compare(Ljava/lang/Comparable;Ljava/lang/Comparable;)I
java/util/Collections$ReverseComparator compare(Ljava/lang/Object;Ljava/lang/Object;)I
java/util/Collections$ReverseComparator <init>(Ljava/util/Collections$1;)V
class java/util/Collections$EmptyMap java/util/AbstractMap
java/util/Collections$EmptyMap serialVersionUID
java/util/Collections$EmptyMap <init>()V
java/util/Collections$EmptyMap size()I
java/util/Collections$EmptyMap isEmpty()Z
java/util/Collections$EmptyMap containsKey(Ljava/lang/Object;)Z
java/util/Collections$EmptyMap containsValue(Ljava/lang/Object;)Z
java/util/Collections$EmptyMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Collections$EmptyMap keySet()Ljava/util/Set;
java/util/Collections$EmptyMap values()Ljava/util/Collection;
java/util/Collections$EmptyMap entrySet()Ljava/util/Set;
java/util/Collections$EmptyMap equals(Ljava/lang/Object;)Z
java/util/Collections$EmptyMap hashCode()I
java/util/Collections$EmptyMap readResolve()Ljava/lang/Object;

java/util/Collections$EmptyMap
<init>(Ljava/util/Collections$1;)V
class java/util/Collections$EmptyList java/util/AbstractList
java/util/Collections$EmptyList serialVersionUID
java/util/Collections$EmptyList <init>()V
java/util/Collections$EmptyList size()I
java/util/Collections$EmptyList contains(Ljava/lang/Object;)Z
java/util/Collections$EmptyList get(I)Ljava/lang/Object;
java/util/Collections$EmptyList readResolve()Ljava/lang/Object;
java/util/Collections$EmptyList <init>(Ljava/util/Collections$1;)V
class java/util/Collections$EmptySet java/util/AbstractSet
java/util/Collections$EmptySet serialVersionUID
java/util/Collections$EmptySet <init>()V
java/util/Collections$EmptySet iterator()Ljava/util/Iterator;
java/util/Collections$EmptySet size()I
java/util/Collections$EmptySet contains(Ljava/lang/Object;)Z
java/util/Collections$EmptySet readResolve()Ljava/lang/Object;
java/util/Collections$EmptySet <init>(Ljava/util/Collections$1;)V
class java/util/AbstractSet java/util/AbstractCollection
java/util/AbstractSet
<init>()V
java/util/AbstractSet equals(Ljava/lang/Object;)Z
java/util/AbstractSet hashCode()I
java/util/AbstractSet removeAll(Ljava/util/Collection;)Z
class java/util/Set java/lang/Object
java/util/Set size()I
java/util/Set isEmpty()Z
java/util/Set contains(Ljava/lang/Object;)Z
java/util/Set iterator()Ljava/util/Iterator;
java/util/Set toArray()[Ljava/lang/Object;
java/util/Set toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/Set add(Ljava/lang/Object;)Z
java/util/Set remove(Ljava/lang/Object;)Z
java/util/Set containsAll(Ljava/util/Collection;)Z
java/util/Set addAll(Ljava/util/Collection;)Z
java/util/Set retainAll(Ljava/util/Collection;)Z
java/util/Set removeAll(Ljava/util/Collection;)Z
java/util/Set clear()V
java/util/Set equals(Ljava/lang/Object;)Z
java/util/Set hashCode()I
class java/lang/reflect/ReflectAccess java/lang/Object
java/lang/reflect/ReflectAccess <init>()V
java/lang/reflect/ReflectAccess
newField(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/Class;IILjava/lang/String;[B)Ljava/lang/reflect/Field;
java/lang/reflect/ReflectAccess
newMethod(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;Ljava/lang/Class;[Ljava/lang/Class;IILjava/lang/
String;[B[B[B)Ljava/lang/reflect/Method;
java/lang/reflect/ReflectAccess

newConstructor(Ljava/lang/Class;[Ljava/lang/Class;[Ljava/lang/Class;IILjava/lang/String;[B[B)Ljava/lang/reflect/Constructor;
java/lang/reflect/ReflectAccess getMethodAccessor(Ljava/lang/reflect/Method;)Lsun/reflect/MethodAccessor;
java/lang/reflect/ReflectAccess setMethodAccessor(Ljava/lang/reflect/Method;Lsun/reflect/MethodAccessor;)V
java/lang/reflect/ReflectAccess
getConstructorAccessor(Ljava/lang/reflect/Constructor;)Lsun/reflect/ConstructorAccessor;
java/lang/reflect/ReflectAccess
setConstructorAccessor(Ljava/lang/reflect/Constructor;Lsun/reflect/ConstructorAccessor;)V
java/lang/reflect/ReflectAccess getConstructorSlot(Ljava/lang/reflect/Constructor;)I
java/lang/reflect/ReflectAccess getConstructorSignature(Ljava/lang/reflect/Constructor;)Ljava/lang/String;
java/lang/reflect/ReflectAccess
getConstructorAnnotations(Ljava/lang/reflect/Constructor;)[B
java/lang/reflect/ReflectAccess getConstructorParameterAnnotations(Ljava/lang/reflect/Constructor;)[B
java/lang/reflect/ReflectAccess copyMethod(Ljava/lang/reflect/Method;)Ljava/lang/reflect/Method;
java/lang/reflect/ReflectAccess copyField(Ljava/lang/reflect/Field;)Ljava/lang/reflect/Field;
java/lang/reflect/ReflectAccess copyConstructor(Ljava/lang/reflect/Constructor;)Ljava/lang/reflect/Constructor;
class java/lang/reflect/Modifier java/lang/Object
java/lang/reflect/Modifier PUBLIC
java/lang/reflect/Modifier PRIVATE
java/lang/reflect/Modifier PROTECTED
java/lang/reflect/Modifier STATIC
java/lang/reflect/Modifier FINAL
java/lang/reflect/Modifier SYNCHRONIZED
java/lang/reflect/Modifier VOLATILE
java/lang/reflect/Modifier TRANSIENT
java/lang/reflect/Modifier NATIVE
java/lang/reflect/Modifier INTERFACE
java/lang/reflect/Modifier
ABSTRACT
java/lang/reflect/Modifier STRICT
java/lang/reflect/Modifier BRIDGE
java/lang/reflect/Modifier VARARGS
java/lang/reflect/Modifier SYNTHETIC
java/lang/reflect/Modifier ANNOTATION
java/lang/reflect/Modifier ENUM
java/lang/reflect/Modifier <init>()V
java/lang/reflect/Modifier isPublic(I)Z
java/lang/reflect/Modifier isPrivate(I)Z
java/lang/reflect/Modifier isProtected(I)Z
java/lang/reflect/Modifier isStatic(I)Z
java/lang/reflect/Modifier isFinal(I)Z
java/lang/reflect/Modifier isSynchronized(I)Z
java/lang/reflect/Modifier isVolatile(I)Z
java/lang/reflect/Modifier isTransient(I)Z
java/lang/reflect/Modifier isNative(I)Z
java/lang/reflect/Modifier isInterface(I)Z
java/lang/reflect/Modifier isAbstract(I)Z
java/lang/reflect/Modifier isStrict(I)Z

java/lang/reflect/Modifier toString(I)Ljava/lang/String;
java/lang/reflect/Modifier isSynthetic(I)Z
java/lang/reflect/Modifier <clinit>()V
class java/lang/Class$3 java/lang/Object
java/lang/Class$3 <init>()V
java/lang/Class$3 run()Ljava/lang/Object;
class
 java/util/concurrent/atomic/AtomicLong java/lang/Number
java/util/concurrent/atomic/AtomicLong serialVersionUID
java/util/concurrent/atomic/AtomicLong unsafe
java/util/concurrent/atomic/AtomicLong valueOffset
java/util/concurrent/atomic/AtomicLong VM_SUPPORTS_LONG_CAS
java/util/concurrent/atomic/AtomicLong value
java/util/concurrent/atomic/AtomicLong VMSupportsCS8()Z
java/util/concurrent/atomic/AtomicLong <init>(J)V
java/util/concurrent/atomic/AtomicLong <init>()V
java/util/concurrent/atomic/AtomicLong get()J
java/util/concurrent/atomic/AtomicLong set(J)V
java/util/concurrent/atomic/AtomicLong getAndSet(J)J
java/util/concurrent/atomic/AtomicLong compareAndSet(JJ)Z
java/util/concurrent/atomic/AtomicLong weakCompareAndSet(JJ)Z
java/util/concurrent/atomic/AtomicLong getAndIncrement()J
java/util/concurrent/atomic/AtomicLong getAndDecrement()J
java/util/concurrent/atomic/AtomicLong getAndAdd(J)J
java/util/concurrent/atomic/AtomicLong incrementAndGet()J
java/util/concurrent/atomic/AtomicLong
 decrementAndGet()J
java/util/concurrent/atomic/AtomicLong addAndGet(J)J
java/util/concurrent/atomic/AtomicLong toString()Ljava/lang/String;
java/util/concurrent/atomic/AtomicLong intValue()I
java/util/concurrent/atomic/AtomicLong longValue()J
java/util/concurrent/atomic/AtomicLong floatValue()F
java/util/concurrent/atomic/AtomicLong doubleValue()D
java/util/concurrent/atomic/AtomicLong <clinit>()V
class java/util/Random java/lang/Object
java/util/Random serialVersionUID
java/util/Random seed
java/util/Random multiplier
java/util/Random addend
java/util/Random mask
java/util/Random seedUniquifier
java/util/Random BITS_PER_BYTE
java/util/Random BYTES_PER_INT
java/util/Random nextNextGaussian
java/util/Random haveNextNextGaussian
java/util/Random serialPersistentFields
java/util/Random <init>()V
java/util/Random <init>(J)V

java/util/Random setSeed(J)V
java/util/Random next(I)I
java/util/Random nextBytes([B)V
java/util/Random nextInt()I
java/util/Random nextInt(I)I
java/util/Random
nextLong()J
java/util/Random nextBoolean()Z
java/util/Random nextFloat()F
java/util/Random nextDouble()D
java/util/Random nextGaussian()D
java/util/Random readObject(Ljava/io/ObjectInputStream;)V
java/util/Random writeObject(Ljava/io/ObjectOutputStream;)V
java/util/Random <clinit>()V
class java/util/Collections java/lang/Object
java/util/Collections BINARYSEARCH_THRESHOLD
java/util/Collections REVERSE_THRESHOLD
java/util/Collections SHUFFLE_THRESHOLD
java/util/Collections FILL_THRESHOLD
java/util/Collections ROTATE_THRESHOLD
java/util/Collections COPY_THRESHOLD
java/util/Collections REPLACEALL_THRESHOLD
java/util/Collections INDEXOFSUBLIST_THRESHOLD
java/util/Collections r
java/util/Collections EMPTY_SET
java/util/Collections EMPTY_LIST
java/util/Collections EMPTY_MAP
java/util/Collections REVERSE_ORDER
java/util/Collections <init>()V
java/util/Collections sort(Ljava/util/List;)V
java/util/Collections sort(Ljava/util/List;Ljava/util/Comparator;)V
java/util/Collections binarySearch(Ljava/util/List;Ljava/lang/Object;)I
java/util/Collections
indexedBinarySearch(Ljava/util/List;Ljava/lang/Object;)I
java/util/Collections iteratorBinarySearch(Ljava/util/List;Ljava/lang/Object;)I
java/util/Collections get(Ljava/util/ListIterator;I)Ljava/lang/Object;
java/util/Collections binarySearch(Ljava/util/List;Ljava/lang/Object;Ljava/util/Comparator;)I
java/util/Collections indexedBinarySearch(Ljava/util/List;Ljava/lang/Object;Ljava/util/Comparator;)I
java/util/Collections iteratorBinarySearch(Ljava/util/List;Ljava/lang/Object;Ljava/util/Comparator;)I
java/util/Collections reverse(Ljava/util/List;)V
java/util/Collections shuffle(Ljava/util/List;)V
java/util/Collections shuffle(Ljava/util/List;Ljava/util/Random;)V
java/util/Collections swap(Ljava/util/List;II)V
java/util/Collections swap([Ljava/lang/Object;II)V
java/util/Collections fill(Ljava/util/List;Ljava/lang/Object;)V
java/util/Collections copy(Ljava/util/List;Ljava/util/List;)V
java/util/Collections min(Ljava/util/Collection;)Ljava/lang/Object;
java/util/Collections

min(Ljava/util/Collection;Ljava/util/Comparator;)Ljava/lang/Object;
java/util/Collections max(Ljava/util/Collection;)Ljava/lang/Object;
java/util/Collections max(Ljava/util/Collection;Ljava/util/Comparator;)Ljava/lang/Object;
java/util/Collections rotate(Ljava/util/List;I)V
java/util/Collections rotate1(Ljava/util/List;I)V
java/util/Collections rotate2(Ljava/util/List;I)V
java/util/Collections replaceAll(Ljava/util/List;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/Collections indexOfSubList(Ljava/util/List;Ljava/util/List;)I
java/util/Collections lastIndexOfSubList(Ljava/util/List;Ljava/util/List;)I
java/util/Collections unmodifiableCollection(Ljava/util/Collection;)Ljava/util/Collection;
java/util/Collections unmodifiableSet(Ljava/util/Set;)Ljava/util/Set;
java/util/Collections unmodifiableSortedSet(Ljava/util/SortedSet;)Ljava/util/SortedSet;
java/util/Collections unmodifiableList(Ljava/util/List;)Ljava/util/List;
java/util/Collections
unmodifiableMap(Ljava/util/Map;)Ljava/util/Map;
java/util/Collections unmodifiableSortedMap(Ljava/util/SortedMap;)Ljava/util/SortedMap;
java/util/Collections synchronizedCollection(Ljava/util/Collection;)Ljava/util/Collection;
java/util/Collections synchronizedCollection(Ljava/util/Collection;Ljava/lang/Object;)Ljava/util/Collection;
java/util/Collections synchronizedSet(Ljava/util/Set;)Ljava/util/Set;
java/util/Collections synchronizedSet(Ljava/util/Set;Ljava/lang/Object;)Ljava/util/Set;
java/util/Collections synchronizedSortedSet(Ljava/util/SortedSet;)Ljava/util/SortedSet;
java/util/Collections synchronizedList(Ljava/util/List;)Ljava/util/List;
java/util/Collections synchronizedList(Ljava/util/List;Ljava/lang/Object;)Ljava/util/List;
java/util/Collections synchronizedMap(Ljava/util/Map;)Ljava/util/Map;
java/util/Collections synchronizedSortedMap(Ljava/util/SortedMap;)Ljava/util/SortedMap;
java/util/Collections checkedCollection(Ljava/util/Collection;Ljava/lang/Class;)Ljava/util/Collection;
java/util/Collections
checkedSet(Ljava/util/Set;Ljava/lang/Class;)Ljava/util/Set;
java/util/Collections checkedSortedSet(Ljava/util/SortedSet;Ljava/lang/Class;)Ljava/util/SortedSet;
java/util/Collections checkedList(Ljava/util/List;Ljava/lang/Class;)Ljava/util/List;
java/util/Collections checkedMap(Ljava/util/Map;Ljava/lang/Class;Ljava/lang/Class;)Ljava/util/Map;
java/util/Collections
checkedSortedMap(Ljava/util/SortedMap;Ljava/lang/Class;Ljava/lang/Class;)Ljava/util/SortedMap;
java/util/Collections emptySet()Ljava/util/Set;
java/util/Collections emptyList()Ljava/util/List;
java/util/Collections emptyMap()Ljava/util/Map;
java/util/Collections singleton(Ljava/lang/Object;)Ljava/util/Set;
java/util/Collections singletonList(Ljava/lang/Object;)Ljava/util/List;
java/util/Collections singletonMap(Ljava/lang/Object;Ljava/lang/Object;)Ljava/util/Map;
java/util/Collections nCopies(ILjava/lang/Object;)Ljava/util/List;
java/util/Collections reverseOrder()Ljava/util/Comparator;
java/util/Collections
reverseOrder(Ljava/util/Comparator;)Ljava/util/Comparator;
java/util/Collections enumeration(Ljava/util/Collection;)Ljava/util/Enumeration;
java/util/Collections list(Ljava/util/Enumeration;)Ljava/util/ArrayList;
java/util/Collections eq(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/Collections frequency(Ljava/util/Collection;Ljava/lang/Object;)I
java/util/Collections disjoint(Ljava/util/Collection;Ljava/util/Collection;)Z

java/util/Collections addAll(Ljava/util/Collection;[Ljava/lang/Object;)Z
java/util/Collections access$000(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/Collections <clinit>()V
class java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl
java/util/concurrent/atomic/AtomicReferenceFieldUpdater
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl unsafe
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl offset
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl
tclass
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl vclass
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl cclass
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl
<init>(Ljava/lang/Class;Ljava/lang/Class;Ljava/lang/String;)V
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl
compareAndSet(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl
weakCompareAndSet(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl
set(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl
get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl
ensureProtectedAccess(Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicReferenceFieldUpdater$AtomicReferenceFieldUpdaterImpl <clinit>()V
class java/util/concurrent/atomic/AtomicReferenceFieldUpdater java/lang/Object
java/util/concurrent/atomic/AtomicReferenceFieldUpdater
newUpdater(Ljava/lang/Class;Ljava/lang/Class;Ljava/lang/String;)Ljava/util/concurrent/atomic/AtomicReferenceFieldUpdater;
java/util/concurrent/atomic/AtomicReferenceFieldUpdater <init>()V
java/util/concurrent/atomic/AtomicReferenceFieldUpdater
compareAndSet(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/atomic/AtomicReferenceFieldUpdater
weakCompareAndSet(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/concurrent/atomic/AtomicReferenceFieldUpdater set(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/concurrent/atomic/AtomicReferenceFieldUpdater get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/concurrent/atomic/AtomicReferenceFieldUpdater
getAndSet(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
class java/io/BufferedInputStream java/io/FilterInputStream
java/io/BufferedInputStream defaultBufferSize
java/io/BufferedInputStream buf
java/io/BufferedInputStream bufUpdater
java/io/BufferedInputStream count
java/io/BufferedInputStream pos
java/io/BufferedInputStream markpos
java/io/BufferedInputStream marklimit
java/io/BufferedInputStream getInIfOpen()Ljava/io/InputStream;
java/io/BufferedInputStream getBufIfOpen()[B
java/io/BufferedInputStream <init>(Ljava/io/InputStream;)V

java/io/BufferedInputStream <init>(Ljava/io/InputStream;I)V
java/io/BufferedInputStream fill()V
java/io/BufferedInputStream read()I
java/io/BufferedInputStream read1([BII)I
java/io/BufferedInputStream read([BII)I
java/io/BufferedInputStream skip(J)J
java/io/BufferedInputStream available()I
java/io/BufferedInputStream mark(I)V
java/io/BufferedInputStream reset()V
java/io/BufferedInputStream markSupported()Z
java/io/BufferedInputStream
close()V
java/io/BufferedInputStream <clinit>()V
class java/io/FilterInputStream java/io/InputStream
java/io/FilterInputStream in
java/io/FilterInputStream <init>(Ljava/io/InputStream;)V
java/io/FilterInputStream read()I
java/io/FilterInputStream read([B)I
java/io/FilterInputStream read([BII)I
java/io/FilterInputStream skip(J)J
java/io/FilterInputStream available()I
java/io/FilterInputStream close()V
java/io/FilterInputStream mark(I)V
java/io/FilterInputStream reset()V
java/io/FilterInputStream markSupported()Z
class java/io/FileOutputStream java/io/OutputStream
java/io/FileOutputStream fd
java/io/FileOutputStream channel
java/io/FileOutputStream append
java/io/FileOutputStream <init>(Ljava/lang/String;)V
java/io/FileOutputStream <init>(Ljava/lang/String;Z)V
java/io/FileOutputStream <init>(Ljava/io/File;)V
java/io/FileOutputStream <init>(Ljava/io/File;Z)V
java/io/FileOutputStream <init>(Ljava/io/FileDescriptor;)V
java/io/FileOutputStream open(Ljava/lang/String;)V
java/io/FileOutputStream
openAppend(Ljava/lang/String;)V
java/io/FileOutputStream write(I)V
java/io/FileOutputStream writeBytes([BII)V
java/io/FileOutputStream write([B)V
java/io/FileOutputStream write([BII)V
java/io/FileOutputStream close()V
java/io/FileOutputStream getFD()Ljava/io/FileDescriptor;
java/io/FileOutputStream getChannel()Ljava/nio/channels/FileChannel;
java/io/FileOutputStream finalize()V
java/io/FileOutputStream close0()V
java/io/FileOutputStream initIDs()V
java/io/FileOutputStream <clinit>()V

class java/io/OutputStream java/lang/Object
java/io/OutputStream <init>()V
java/io/OutputStream write(I)V
java/io/OutputStream write([B)V
java/io/OutputStream write([BII)V
java/io/OutputStream flush()V
java/io/OutputStream close()V
class java/io/Flushable java/lang/Object
java/io/Flushable flush()V
class java/io/FileDescriptor java/lang/Object
java/io/FileDescriptor fd
java/io/FileDescriptor handle
java/io/FileDescriptor in
java/io/FileDescriptor out
java/io/FileDescriptor
 err
java/io/FileDescriptor <init>()V
java/io/FileDescriptor <init>(I)V
java/io/FileDescriptor valid()Z
java/io/FileDescriptor sync()V
java/io/FileDescriptor initIDs()V
java/io/FileDescriptor set(I)J
java/io/FileDescriptor standardStream(I)Ljava/io/FileDescriptor;
java/io/FileDescriptor <clinit>()V
class java/io/FileInputStream java/io/InputStream
java/io/FileInputStream fd
java/io/FileInputStream channel
java/io/FileInputStream <init>(Ljava/lang/String;)V
java/io/FileInputStream <init>(Ljava/io/File;)V
java/io/FileInputStream <init>(Ljava/io/FileDescriptor;)V
java/io/FileInputStream open(Ljava/lang/String;)V
java/io/FileInputStream read()I
java/io/FileInputStream readBytes([BII)I
java/io/FileInputStream read([B)I
java/io/FileInputStream read([BII)I
java/io/FileInputStream skip(J)J
java/io/FileInputStream available()I
java/io/FileInputStream close()V
java/io/FileInputStream getFD()Ljava/io/FileDescriptor;
java/io/FileInputStream getChannel()Ljava/nio/channels/FileChannel;
java/io/FileInputStream
 initIDs()V
java/io/FileInputStream close0()V
java/io/FileInputStream finalize()V
java/io/FileInputStream <clinit>()V
class java/io/InputStream java/lang/Object
java/io/InputStream SKIP_BUFFER_SIZE
java/io/InputStream skipBuffer

java/io/InputStream <init>()V
java/io/InputStream read()I
java/io/InputStream read([B)I
java/io/InputStream read([BII)I
java/io/InputStream skip(J)J
java/io/InputStream available()I
java/io/InputStream close()V
java/io/InputStream mark(I)V
java/io/InputStream reset()V
java/io/InputStream markSupported()Z
class java/io/Closeable java/lang/Object
java/io/Closeable close()V
class java/util/Hashtable$Entry java/lang/Object
java/util/Hashtable$Entry hash
java/util/Hashtable$Entry key
java/util/Hashtable$Entry value
java/util/Hashtable$Entry next
java/util/Hashtable$Entry <init>(ILjava/lang/Object;Ljava/lang/Object;Ljava/util/Hashtable$Entry;)V
java/util/Hashtable$Entry clone()Ljava/lang/Object;
java/util/Hashtable$Entry getKey()Ljava/lang/Object;
java/util/Hashtable$Entry
getValue()Ljava/lang/Object;
java/util/Hashtable$Entry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Hashtable$Entry equals(Ljava/lang/Object;)Z
java/util/Hashtable$Entry hashCode()I
java/util/Hashtable$Entry toString()Ljava/lang/String;
class java/util/Hashtable$EmptyIterator java/lang/Object
java/util/Hashtable$EmptyIterator <init>()V
java/util/Hashtable$EmptyIterator hasNext()Z
java/util/Hashtable$EmptyIterator next()Ljava/lang/Object;
java/util/Hashtable$EmptyIterator remove()V
class java/util/Iterator java/lang/Object
java/util/Iterator hasNext()Z
java/util/Iterator next()Ljava/lang/Object;
java/util/Iterator remove()V
class java/util/Hashtable$EmptyEnumerator java/lang/Object
java/util/Hashtable$EmptyEnumerator <init>()V
java/util/Hashtable$EmptyEnumerator hasMoreElements()Z
java/util/Hashtable$EmptyEnumerator nextElement()Ljava/lang/Object;
class java/util/Enumeration java/lang/Object
java/util/Enumeration hasMoreElements()Z
java/util/Enumeration
nextElement()Ljava/lang/Object;
class java/lang/ref/Finalizer$FinalizerThread java/lang/Thread
java/lang/ref/Finalizer$FinalizerThread <init>(Ljava/lang/ThreadGroup;)V
java/lang/ref/Finalizer$FinalizerThread run()V
class java/lang/ref/Reference$ReferenceHandler java/lang/Thread
java/lang/ref/Reference$ReferenceHandler <init>(Ljava/lang/ThreadGroup;Ljava/lang/String;)V

java/lang/ref/Reference$ReferenceHandler run()V
class java/lang/ref/Reference$Lock java/lang/Object
java/lang/ref/Reference$Lock <init>()V
java/lang/ref/Reference$Lock <init>(Ljava/lang/ref/Reference$1;)V
class java/lang/reflect/ReflectPermission java/security/BasicPermission
java/lang/reflect/ReflectPermission serialVersionUID
java/lang/reflect/ReflectPermission <init>(Ljava/lang/String;)V
java/lang/reflect/ReflectPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/lang/annotation/Annotation java/lang/Object
java/lang/annotation/Annotation equals(Ljava/lang/Object;)Z
java/lang/annotation/Annotation hashCode()I
java/lang/annotation/Annotation
 toString()Ljava/lang/String;
java/lang/annotation/Annotation annotationType()Ljava/lang/Class;
class java/lang/NoSuchMethodError java/lang/IncompatibleClassChangeError
java/lang/NoSuchMethodError <init>()V
java/lang/NoSuchMethodError <init>(Ljava/lang/String;)V
class java/lang/IncompatibleClassChangeError java/lang/LinkageError
java/lang/IncompatibleClassChangeError <init>()V
java/lang/IncompatibleClassChangeError <init>(Ljava/lang/String;)V
class java/util/HashMap$Entry java/lang/Object
java/util/HashMap$Entry key
java/util/HashMap$Entry value
java/util/HashMap$Entry hash
java/util/HashMap$Entry next
java/util/HashMap$Entry <init>(ILjava/lang/Object;Ljava/lang/Object;Ljava/util/HashMap$Entry;)V
java/util/HashMap$Entry getKey()Ljava/lang/Object;
java/util/HashMap$Entry getValue()Ljava/lang/Object;
java/util/HashMap$Entry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/HashMap$Entry equals(Ljava/lang/Object;)Z
java/util/HashMap$Entry hashCode()I
java/util/HashMap$Entry
 toString()Ljava/lang/String;
java/util/HashMap$Entry recordAccess(Ljava/util/HashMap;)V
java/util/HashMap$Entry recordRemoval(Ljava/util/HashMap;)V
class java/util/Map$Entry java/lang/Object
java/util/Map$Entry getKey()Ljava/lang/Object;
java/util/Map$Entry getValue()Ljava/lang/Object;
java/util/Map$Entry setValue(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Map$Entry equals(Ljava/lang/Object;)Z
java/util/Map$Entry hashCode()I
class java/util/Stack java/util/Vector
java/util/Stack serialVersionUID
java/util/Stack <init>()V
java/util/Stack push(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Stack pop()Ljava/lang/Object;
java/util/Stack peek()Ljava/lang/Object;
java/util/Stack empty()Z

java/util/Stack search(Ljava/lang/Object;)I
class java/security/AccessController java/lang/Object
java/security/AccessController <init>()V
java/security/AccessController doPrivileged(Ljava/security/PrivilegedAction;)Ljava/lang/Object;
java/security/AccessController
doPrivileged(Ljava/security/PrivilegedAction;Ljava/security/AccessControlContext;)Ljava/lang/Object;
java/security/AccessController
doPrivileged(Ljava/security/PrivilegedExceptionAction;)Ljava/lang/Object;
java/security/AccessController
doPrivileged(Ljava/security/PrivilegedExceptionAction;Ljava/security/AccessControlContext;)Ljava/lang/Object;
java/security/AccessController getStackAccessControlContext()Ljava/security/AccessControlContext;
java/security/AccessController getInheritedAccessControlContext()Ljava/security/AccessControlContext;
java/security/AccessController getContext()Ljava/security/AccessControlContext;
java/security/AccessController checkPermission(Ljava/security/Permission;)V
class java/security/PrivilegedAction java/lang/Object
java/security/PrivilegedAction run()Ljava/lang/Object;
class java/io/ObjectStreamClass java/lang/Object
java/io/ObjectStreamClass NO_FIELDS
java/io/ObjectStreamClass serialVersionUID
java/io/ObjectStreamClass serialPersistentFields
java/io/ObjectStreamClass
reflFactory
java/io/ObjectStreamClass cl
java/io/ObjectStreamClass name
java/io/ObjectStreamClass suid
java/io/ObjectStreamClass isProxy
java/io/ObjectStreamClass isEnum
java/io/ObjectStreamClass serializable
java/io/ObjectStreamClass externalizable
java/io/ObjectStreamClass hasWriteObjectData
java/io/ObjectStreamClass hasBlockExternalData
java/io/ObjectStreamClass resolveEx
java/io/ObjectStreamClass deserializeEx
java/io/ObjectStreamClass serializeEx
java/io/ObjectStreamClass defaultSerializeEx
java/io/ObjectStreamClass fields
java/io/ObjectStreamClass primDataSize
java/io/ObjectStreamClass numObjFields
java/io/ObjectStreamClass fieldRefl
java/io/ObjectStreamClass dataLayout
java/io/ObjectStreamClass cons
java/io/ObjectStreamClass writeObjectMethod
java/io/ObjectStreamClass readObjectMethod
java/io/ObjectStreamClass readObjectNoDataMethod
java/io/ObjectStreamClass writeReplaceMethod
java/io/ObjectStreamClass readResolveMethod
java/io/ObjectStreamClass localDesc
java/io/ObjectStreamClass

superDesc
java/io/ObjectStreamClass initNative()V
java/io/ObjectStreamClass lookup(Ljava/lang/Class;)Ljava/io/ObjectStreamClass;
java/io/ObjectStreamClass getName()Ljava/lang/String;
java/io/ObjectStreamClass getSerialVersionUID()J
java/io/ObjectStreamClass forClass()Ljava/lang/Class;
java/io/ObjectStreamClass getFields()[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass getField(Ljava/lang/String;)Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass toString()Ljava/lang/String;
java/io/ObjectStreamClass lookup(Ljava/lang/Class;Z)Ljava/io/ObjectStreamClass;
java/io/ObjectStreamClass <init>(Ljava/lang/Class;)V
java/io/ObjectStreamClass <init>()V
java/io/ObjectStreamClass
initProxy(Ljava/lang/Class;Ljava/lang/ClassNotFoundException;Ljava/io/ObjectStreamClass;)V
java/io/ObjectStreamClass
initNonProxy(Ljava/io/ObjectStreamClass;Ljava/lang/Class;Ljava/lang/ClassNotFoundException;Ljava/io/ObjectSt
reamClass;)V
java/io/ObjectStreamClass readNonProxy(Ljava/io/ObjectInputStream;)V
java/io/ObjectStreamClass
writeNonProxy(Ljava/io/ObjectOutputStream;)V
java/io/ObjectStreamClass getResolveException()Ljava/lang/ClassNotFoundException;
java/io/ObjectStreamClass checkDeserialize()V
java/io/ObjectStreamClass checkSerialize()V
java/io/ObjectStreamClass checkDefaultSerialize()V
java/io/ObjectStreamClass getSuperDesc()Ljava/io/ObjectStreamClass;
java/io/ObjectStreamClass getLocalDesc()Ljava/io/ObjectStreamClass;
java/io/ObjectStreamClass getFields(Z)[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass getField(Ljava/lang/String;Ljava/lang/Class;)Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass isProxy()Z
java/io/ObjectStreamClass isEnum()Z
java/io/ObjectStreamClass isExternalizable()Z
java/io/ObjectStreamClass isSerializable()Z
java/io/ObjectStreamClass hasBlockExternalData()Z
java/io/ObjectStreamClass hasWriteObjectData()Z
java/io/ObjectStreamClass isInstantiable()Z
java/io/ObjectStreamClass hasWriteObjectMethod()Z
java/io/ObjectStreamClass hasReadObjectMethod()Z
java/io/ObjectStreamClass
hasReadObjectNoDataMethod()Z
java/io/ObjectStreamClass hasWriteReplaceMethod()Z
java/io/ObjectStreamClass hasReadResolveMethod()Z
java/io/ObjectStreamClass newInstance()Ljava/lang/Object;
java/io/ObjectStreamClass invokeWriteObject(Ljava/lang/Object;Ljava/io/ObjectOutputStream;)V
java/io/ObjectStreamClass invokeReadObject(Ljava/lang/Object;Ljava/io/ObjectInputStream;)V
java/io/ObjectStreamClass invokeReadObjectNoData(Ljava/lang/Object;)V
java/io/ObjectStreamClass invokeWriteReplace(Ljava/lang/Object;)Ljava/lang/Object;
java/io/ObjectStreamClass invokeReadResolve(Ljava/lang/Object;)Ljava/lang/Object;
java/io/ObjectStreamClass getClassDataLayout()[Ljava/io/ObjectStreamClass$ClassDataSlot;

java/io/ObjectStreamClass getClassDataLayout0()[Ljava/io/ObjectStreamClass$ClassDataSlot;
java/io/ObjectStreamClass getPrimDataSize()I
java/io/ObjectStreamClass getNumObjFields()I
java/io/ObjectStreamClass getPrimFieldValues(Ljava/lang/Object;[B)V
java/io/ObjectStreamClass setPrimFieldValues(Ljava/lang/Object;[B)V
java/io/ObjectStreamClass
getObjFieldValues(Ljava/lang/Object;[Ljava/lang/Object;)V
java/io/ObjectStreamClass setObjFieldValues(Ljava/lang/Object;[Ljava/lang/Object;)V
java/io/ObjectStreamClass computeFieldOffsets()V
java/io/ObjectStreamClass getVariantFor(Ljava/lang/Class;)Ljava/io/ObjectStreamClass;
java/io/ObjectStreamClass getExternalizableConstructor(Ljava/lang/Class;)Ljava/lang/reflect/Constructor;
java/io/ObjectStreamClass getSerializableConstructor(Ljava/lang/Class;)Ljava/lang/reflect/Constructor;
java/io/ObjectStreamClass
getInheritableMethod(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass
getPrivateMethod(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass packageEquals(Ljava/lang/Class;Ljava/lang/Class;)Z
java/io/ObjectStreamClass getPackageName(Ljava/lang/Class;)Ljava/lang/String;
java/io/ObjectStreamClass
classNamesEqual(Ljava/lang/String;Ljava/lang/String;)Z
java/io/ObjectStreamClass getClassSignature(Ljava/lang/Class;)Ljava/lang/String;
java/io/ObjectStreamClass getMethodSignature([Ljava/lang/Class;Ljava/lang/Class;)Ljava/lang/String;
java/io/ObjectStreamClass throwMiscException(Ljava/lang/Throwable;)V
java/io/ObjectStreamClass getSerialFields(Ljava/lang/Class;)[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass getDeclaredSerialFields(Ljava/lang/Class;)[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass getDefaultSerialFields(Ljava/lang/Class;)[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass getDeclaredSUID(Ljava/lang/Class;)Ljava/lang/Long;
java/io/ObjectStreamClass computeDefaultSUID(Ljava/lang/Class;)J
java/io/ObjectStreamClass hasStaticInitializer(Ljava/lang/Class;)Z
java/io/ObjectStreamClass
getReflector([Ljava/io/ObjectStreamField;Ljava/io/ObjectStreamClass;)Ljava/io/ObjectStreamClass$FieldReflector;
java/io/ObjectStreamClass
matchFields([Ljava/io/ObjectStreamField;Ljava/io/ObjectStreamClass;)[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass
processQueue(Ljava/lang/ref/ReferenceQueue;Ljava/util/concurrent/ConcurrentMap;)V
java/io/ObjectStreamClass access$000(Ljava/io/ObjectStreamClass;)Ljava/lang/Class;
java/io/ObjectStreamClass access$100(Ljava/lang/Class;)J
java/io/ObjectStreamClass access$400(Ljava/io/ObjectStreamClass;)Z
java/io/ObjectStreamClass access$502(Ljava/io/ObjectStreamClass;Ljava/lang/Long;)Ljava/lang/Long;
java/io/ObjectStreamClass
access$602(Ljava/io/ObjectStreamClass;[Ljava/io/ObjectStreamField;)[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass access$700(Ljava/lang/Class;)Ljava/lang/Long;
java/io/ObjectStreamClass access$800(Ljava/lang/Class;)[Ljava/io/ObjectStreamField;
java/io/ObjectStreamClass access$900(Ljava/io/ObjectStreamClass;)V
java/io/ObjectStreamClass
access$1002(Ljava/io/ObjectStreamClass;Ljava/io/InvalidClassException;)Ljava/io/InvalidClassException;

java/io/ObjectStreamClass
access$1102(Ljava/io/ObjectStreamClass;Ljava/io/InvalidClassException;)Ljava/io/InvalidClassException;
java/io/ObjectStreamClass
access$1200(Ljava/io/ObjectStreamClass;)Z
java/io/ObjectStreamClass
access$1302(Ljava/io/ObjectStreamClass;Ljava/lang/reflect/Constructor;)Ljava/lang/reflect/Constructor;
java/io/ObjectStreamClass access$1400(Ljava/lang/Class;)Ljava/lang/reflect/Constructor;
java/io/ObjectStreamClass access$1500(Ljava/lang/Class;)Ljava/lang/reflect/Constructor;
java/io/ObjectStreamClass
access$1602(Ljava/io/ObjectStreamClass;Ljava/lang/reflect/Method;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass
access$1700(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass
access$1802(Ljava/io/ObjectStreamClass;Ljava/lang/reflect/Method;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass
access$1902(Ljava/io/ObjectStreamClass;Ljava/lang/reflect/Method;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass access$2002(Ljava/io/ObjectStreamClass;Z)Z
java/io/ObjectStreamClass
access$1600(Ljava/io/ObjectStreamClass;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass
access$2102(Ljava/io/ObjectStreamClass;Ljava/lang/reflect/Method;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass
access$2200(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass
access$2302(Ljava/io/ObjectStreamClass;Ljava/lang/reflect/Method;)Ljava/lang/reflect/Method;
java/io/ObjectStreamClass access$2400([Ljava/lang/Class;Ljava/lang/Class;)Ljava/lang/String;
java/io/ObjectStreamClass <clinit>()V
class java/util/HashMap java/util/AbstractMap
java/util/HashMap DEFAULT_INITIAL_CAPACITY
java/util/HashMap MAXIMUM_CAPACITY
java/util/HashMap DEFAULT_LOAD_FACTOR
java/util/HashMap table
java/util/HashMap size
java/util/HashMap threshold
java/util/HashMap loadFactor
java/util/HashMap modCount
java/util/HashMap NULL_KEY
java/util/HashMap useNewHash
java/util/HashMap entrySet
java/util/HashMap
serialVersionUID
java/util/HashMap <init>(IF)V
java/util/HashMap <init>(I)V
java/util/HashMap <init>()V
java/util/HashMap <init>(Ljava/util/Map;)V
java/util/HashMap init()V
java/util/HashMap maskNull(Ljava/lang/Object;)Ljava/lang/Object;
java/util/HashMap unmaskNull(Ljava/lang/Object;)Ljava/lang/Object;

java/util/HashMap oldHash(I)I
java/util/HashMap newHash(I)I
java/util/HashMap hash(I)I
java/util/HashMap hash(Ljava/lang/Object;)I
java/util/HashMap eq(Ljava/lang/Object;Ljava/lang/Object;)Z
java/util/HashMap indexFor(II)I
java/util/HashMap size()I
java/util/HashMap isEmpty()Z
java/util/HashMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/HashMap getForNullKey()Ljava/lang/Object;
java/util/HashMap containsKey(Ljava/lang/Object;)Z
java/util/HashMap getEntry(Ljava/lang/Object;)Ljava/util/HashMap$Entry;
java/util/HashMap put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/HashMap putForNullKey(Ljava/lang/Object;)Ljava/lang/Object;
java/util/HashMap
putForCreate(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/HashMap putAllForCreate(Ljava/util/Map;)V
java/util/HashMap resize(I)V
java/util/HashMap transfer([Ljava/util/HashMap$Entry;)V
java/util/HashMap putAll(Ljava/util/Map;)V
java/util/HashMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/HashMap removeEntryForKey(Ljava/lang/Object;)Ljava/util/HashMap$Entry;
java/util/HashMap removeMapping(Ljava/lang/Object;)Ljava/util/HashMap$Entry;
java/util/HashMap clear()V
java/util/HashMap containsValue(Ljava/lang/Object;)Z
java/util/HashMap containsNullValue()Z
java/util/HashMap clone()Ljava/lang/Object;
java/util/HashMap addEntry(ILjava/lang/Object;Ljava/lang/Object;I)V
java/util/HashMap createEntry(ILjava/lang/Object;Ljava/lang/Object;I)V
java/util/HashMap newKeyIterator()Ljava/util/Iterator;
java/util/HashMap newValueIterator()Ljava/util/Iterator;
java/util/HashMap newEntryIterator()Ljava/util/Iterator;
java/util/HashMap keySet()Ljava/util/Set;
java/util/HashMap values()Ljava/util/Collection;
java/util/HashMap
entrySet()Ljava/util/Set;
java/util/HashMap writeObject(Ljava/io/ObjectOutputStream;)V
java/util/HashMap readObject(Ljava/io/ObjectInputStream;)V
java/util/HashMap capacity()I
java/util/HashMap loadFactor()F
java/util/HashMap <clinit>()V
class java/lang/ref/ReferenceQueue$Lock java/lang/Object
java/lang/ref/ReferenceQueue$Lock <init>()V
java/lang/ref/ReferenceQueue$Lock <init>(Ljava/lang/ref/ReferenceQueue$1;)V
class java/lang/ref/ReferenceQueue$Null java/lang/ref/ReferenceQueue
java/lang/ref/ReferenceQueue$Null <init>()V
java/lang/ref/ReferenceQueue$Null enqueue(Ljava/lang/ref/Reference;)Z
java/lang/ref/ReferenceQueue$Null <init>(Ljava/lang/ref/ReferenceQueue$1;)V

class java/lang/ref/ReferenceQueue java/lang/Object
java/lang/ref/ReferenceQueue NULL
java/lang/ref/ReferenceQueue ENQUEUED
java/lang/ref/ReferenceQueue lock
java/lang/ref/ReferenceQueue head
java/lang/ref/ReferenceQueue queueLength
java/lang/ref/ReferenceQueue <init>()V
java/lang/ref/ReferenceQueue
enqueue(Ljava/lang/ref/Reference;)Z
java/lang/ref/ReferenceQueue reallyPoll()Ljava/lang/ref/Reference;
java/lang/ref/ReferenceQueue poll()Ljava/lang/ref/Reference;
java/lang/ref/ReferenceQueue remove(J)Ljava/lang/ref/Reference;
java/lang/ref/ReferenceQueue remove()Ljava/lang/ref/Reference;
java/lang/ref/ReferenceQueue <clinit>()V
class java/util/AbstractMap java/lang/Object
java/util/AbstractMap keySet
java/util/AbstractMap values
java/util/AbstractMap <init>()V
java/util/AbstractMap size()I
java/util/AbstractMap isEmpty()Z
java/util/AbstractMap containsValue(Ljava/lang/Object;)Z
java/util/AbstractMap containsKey(Ljava/lang/Object;)Z
java/util/AbstractMap get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/AbstractMap put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/AbstractMap remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/AbstractMap putAll(Ljava/util/Map;)V
java/util/AbstractMap clear()V
java/util/AbstractMap keySet()Ljava/util/Set;
java/util/AbstractMap
values()Ljava/util/Collection;
java/util/AbstractMap entrySet()Ljava/util/Set;
java/util/AbstractMap equals(Ljava/lang/Object;)Z
java/util/AbstractMap hashCode()I
java/util/AbstractMap toString()Ljava/lang/String;
java/util/AbstractMap clone()Ljava/lang/Object;
class java/lang/RuntimePermission java/security/BasicPermission
java/lang/RuntimePermission serialVersionUID
java/lang/RuntimePermission <init>(Ljava/lang/String;)V
java/lang/RuntimePermission <init>(Ljava/lang/String;Ljava/lang/String;)V
class java/security/BasicPermission java/security/Permission
java/security/BasicPermission serialVersionUID
java/security/BasicPermission wildcard
java/security/BasicPermission path
java/security/BasicPermission init(Ljava/lang/String;)V
java/security/BasicPermission <init>(Ljava/lang/String;)V
java/security/BasicPermission <init>(Ljava/lang/String;Ljava/lang/String;)V
java/security/BasicPermission implies(Ljava/security/Permission;)Z
java/security/BasicPermission equals(Ljava/lang/Object;)Z

java/security/BasicPermission
hashCode()I
java/security/BasicPermission getActions()Ljava/lang/String;
java/security/BasicPermission newPermissionCollection()Ljava/security/PermissionCollection;
java/security/BasicPermission readObject(Ljava/io/ObjectInputStream;)V
class java/security/Permission java/lang/Object
java/security/Permission serialVersionUID
java/security/Permission name
java/security/Permission <init>(Ljava/lang/String;)V
java/security/Permission checkGuard(Ljava/lang/Object;)V
java/security/Permission implies(Ljava/security/Permission;)Z
java/security/Permission equals(Ljava/lang/Object;)Z
java/security/Permission hashCode()I
java/security/Permission getName()Ljava/lang/String;
java/security/Permission getActions()Ljava/lang/String;
java/security/Permission newPermissionCollection()Ljava/security/PermissionCollection;
java/security/Permission toString()Ljava/lang/String;
class java/security/Guard java/lang/Object
java/security/Guard checkGuard(Ljava/lang/Object;)V
class
java/lang/String$CaseInsensitiveComparator java/lang/Object
java/lang/String$CaseInsensitiveComparator serialVersionUID
java/lang/String$CaseInsensitiveComparator <init>()V
java/lang/String$CaseInsensitiveComparator compare(Ljava/lang/String;Ljava/lang/String;)I
java/lang/String$CaseInsensitiveComparator compare(Ljava/lang/Object;Ljava/lang/Object;)I
java/lang/String$CaseInsensitiveComparator <init>(Ljava/lang/String$1;)V
class java/util/Comparator java/lang/Object
java/util/Comparator compare(Ljava/lang/Object;Ljava/lang/Object;)I
java/util/Comparator equals(Ljava/lang/Object;)Z
class java/io/ObjectStreamField java/lang/Object
java/io/ObjectStreamField name
java/io/ObjectStreamField signature
java/io/ObjectStreamField type
java/io/ObjectStreamField unshared
java/io/ObjectStreamField field
java/io/ObjectStreamField offset
java/io/ObjectStreamField <init>(Ljava/lang/String;Ljava/lang/Class;)V
java/io/ObjectStreamField <init>(Ljava/lang/String;Ljava/lang/Class;Z)V
java/io/ObjectStreamField
<init>(Ljava/lang/String;Ljava/lang/String;Z)V
java/io/ObjectStreamField <init>(Ljava/lang/reflect/Field;ZZ)V
java/io/ObjectStreamField getName()Ljava/lang/String;
java/io/ObjectStreamField getType()Ljava/lang/Class;
java/io/ObjectStreamField getTypeCode()C
java/io/ObjectStreamField getTypeString()Ljava/lang/String;
java/io/ObjectStreamField getOffset()I
java/io/ObjectStreamField setOffset(I)V
java/io/ObjectStreamField isPrimitive()Z

java/io/ObjectStreamField isUnshared()Z
java/io/ObjectStreamField compareTo(Ljava/lang/Object;)I
java/io/ObjectStreamField toString()Ljava/lang/String;
java/io/ObjectStreamField getField()Ljava/lang/reflect/Field;
java/io/ObjectStreamField getSignature()Ljava/lang/String;
class java/lang/StrictMath java/lang/Object
java/lang/StrictMath E
java/lang/StrictMath PI
java/lang/StrictMath randomNumberGenerator
java/lang/StrictMath negativeZeroFloatBits
java/lang/StrictMath negativeZeroDoubleBits
java/lang/StrictMath <init>()V
java/lang/StrictMath sin(D)D
java/lang/StrictMath
cos(D)D
java/lang/StrictMath tan(D)D
java/lang/StrictMath asin(D)D
java/lang/StrictMath acos(D)D
java/lang/StrictMath atan(D)D
java/lang/StrictMath toRadians(D)D
java/lang/StrictMath toDegrees(D)D
java/lang/StrictMath exp(D)D
java/lang/StrictMath log(D)D
java/lang/StrictMath log10(D)D
java/lang/StrictMath sqrt(D)D
java/lang/StrictMath cbrt(D)D
java/lang/StrictMath IEEEremainder(DD)D
java/lang/StrictMath ceil(D)D
java/lang/StrictMath floor(D)D
java/lang/StrictMath rint(D)D
java/lang/StrictMath atan2(DD)D
java/lang/StrictMath pow(DD)D
java/lang/StrictMath round(F)I
java/lang/StrictMath round(D)J
java/lang/StrictMath initRNG()V
java/lang/StrictMath random()D
java/lang/StrictMath abs(I)I
java/lang/StrictMath abs(J)J
java/lang/StrictMath abs(F)F
java/lang/StrictMath abs(D)D
java/lang/StrictMath max(II)I
java/lang/StrictMath max(JJ)J
java/lang/StrictMath max(FF)F
java/lang/StrictMath max(DD)D
java/lang/StrictMath min(II)I
java/lang/StrictMath min(JJ)J
java/lang/StrictMath

min(FF)F
java/lang/StrictMath min(DD)D
java/lang/StrictMath ulp(D)D
java/lang/StrictMath ulp(F)F
java/lang/StrictMath signum(D)D
java/lang/StrictMath signum(F)F
java/lang/StrictMath sinh(D)D
java/lang/StrictMath cosh(D)D
java/lang/StrictMath tanh(D)D
java/lang/StrictMath hypot(DD)D
java/lang/StrictMath expm1(D)D
java/lang/StrictMath log1p(D)D
java/lang/StrictMath <clinit>()V
class java/lang/ArithmeticException java/lang/RuntimeException
java/lang/ArithmeticException <init>()V
java/lang/ArithmeticException <init>(Ljava/lang/String;)V
class java/lang/NullPointerException java/lang/RuntimeException
java/lang/NullPointerException <init>()V
java/lang/NullPointerException <init>(Ljava/lang/String;)V
class java/lang/management/MemoryUsage java/lang/Object
java/lang/management/MemoryUsage init
java/lang/management/MemoryUsage used
java/lang/management/MemoryUsage committed
java/lang/management/MemoryUsage max
java/lang/management/MemoryUsage <init>(JJJJ)V
java/lang/management/MemoryUsage
<init>(Ljavax/management/openmbean/CompositeData;)V
java/lang/management/MemoryUsage getInit()J
java/lang/management/MemoryUsage getUsed()J
java/lang/management/MemoryUsage getCommitted()J
java/lang/management/MemoryUsage getMax()J
java/lang/management/MemoryUsage toString()Ljava/lang/String;
java/lang/management/MemoryUsage
from(Ljavax/management/openmbean/CompositeData;)Ljava/lang/management/MemoryUsage;
class java/lang/Long java/lang/Number
java/lang/Long MIN_VALUE
java/lang/Long MAX_VALUE
java/lang/Long TYPE
java/lang/Long value
java/lang/Long SIZE
java/lang/Long serialVersionUID
java/lang/Long toString(JI)Ljava/lang/String;
java/lang/Long toHexString(J)Ljava/lang/String;
java/lang/Long toOctalString(J)Ljava/lang/String;
java/lang/Long toBinaryString(J)Ljava/lang/String;
java/lang/Long toUnsignedString(JI)Ljava/lang/String;
java/lang/Long toString(J)Ljava/lang/String;
java/lang/Long getChars(JI[C)V

java/lang/Long stringSize(J)I
java/lang/Long parseLong(Ljava/lang/String;I)J
java/lang/Long
parseLong(Ljava/lang/String;)J
java/lang/Long valueOf(Ljava/lang/String;I)Ljava/lang/Long;
java/lang/Long valueOf(Ljava/lang/String;)Ljava/lang/Long;
java/lang/Long valueOf(J)Ljava/lang/Long;
java/lang/Long decode(Ljava/lang/String;)Ljava/lang/Long;
java/lang/Long <init>(J)V
java/lang/Long <init>(Ljava/lang/String;)V
java/lang/Long byteValue()B
java/lang/Long shortValue()S
java/lang/Long intValue()I
java/lang/Long longValue()J
java/lang/Long floatValue()F
java/lang/Long doubleValue()D
java/lang/Long toString()Ljava/lang/String;
java/lang/Long hashCode()I
java/lang/Long equals(Ljava/lang/Object;)Z
java/lang/Long getLong(Ljava/lang/String;)Ljava/lang/Long;
java/lang/Long getLong(Ljava/lang/String;J)Ljava/lang/Long;
java/lang/Long getLong(Ljava/lang/String;Ljava/lang/Long;)Ljava/lang/Long;
java/lang/Long compareTo(Ljava/lang/Long;)I
java/lang/Long highestOneBit(J)J
java/lang/Long lowestOneBit(J)J
java/lang/Long numberOfLeadingZeros(J)I
java/lang/Long numberOfTrailingZeros(J)I
java/lang/Long
bitCount(J)I
java/lang/Long rotateLeft(JI)J
java/lang/Long rotateRight(JI)J
java/lang/Long reverse(J)J
java/lang/Long signum(J)I
java/lang/Long reverseBytes(J)J
java/lang/Long compareTo(Ljava/lang/Object;)I
java/lang/Long <clinit>()V
class java/lang/Integer java/lang/Number
java/lang/Integer MIN_VALUE
java/lang/Integer MAX_VALUE
java/lang/Integer TYPE
java/lang/Integer digits
java/lang/Integer DigitTens
java/lang/Integer DigitOnes
java/lang/Integer sizeTable
java/lang/Integer value
java/lang/Integer SIZE
java/lang/Integer serialVersionUID
java/lang/Integer toString(II)Ljava/lang/String;

java/lang/Integer toHexString(I)Ljava/lang/String;
java/lang/Integer toOctalString(I)Ljava/lang/String;
java/lang/Integer toBinaryString(I)Ljava/lang/String;
java/lang/Integer toUnsignedString(II)Ljava/lang/String;
java/lang/Integer toString(I)Ljava/lang/String;
java/lang/Integer getChars(II[C)V
java/lang/Integer stringSize(I)I
java/lang/Integer parseInt(Ljava/lang/String;I)I
java/lang/Integer
parseInt(Ljava/lang/String;)I
java/lang/Integer valueOf(Ljava/lang/String;I)Ljava/lang/Integer;
java/lang/Integer valueOf(Ljava/lang/String;)Ljava/lang/Integer;
java/lang/Integer valueOf(I)Ljava/lang/Integer;
java/lang/Integer <init>(I)V
java/lang/Integer <init>(Ljava/lang/String;)V
java/lang/Integer byteValue()B
java/lang/Integer shortValue()S
java/lang/Integer intValue()I
java/lang/Integer longValue()J
java/lang/Integer floatValue()F
java/lang/Integer doubleValue()D
java/lang/Integer toString()Ljava/lang/String;
java/lang/Integer hashCode()I
java/lang/Integer equals(Ljava/lang/Object;)Z
java/lang/Integer getInteger(Ljava/lang/String;)Ljava/lang/Integer;
java/lang/Integer getInteger(Ljava/lang/String;I)Ljava/lang/Integer;
java/lang/Integer getInteger(Ljava/lang/String;Ljava/lang/Integer;)Ljava/lang/Integer;
java/lang/Integer decode(Ljava/lang/String;)Ljava/lang/Integer;
java/lang/Integer compareTo(Ljava/lang/Integer;)I
java/lang/Integer highestOneBit(I)I
java/lang/Integer lowestOneBit(I)I
java/lang/Integer
numberOfLeadingZeros(I)I
java/lang/Integer numberOfTrailingZeros(I)I
java/lang/Integer bitCount(I)I
java/lang/Integer rotateLeft(II)I
java/lang/Integer rotateRight(II)I
java/lang/Integer reverse(I)I
java/lang/Integer signum(I)I
java/lang/Integer reverseBytes(I)I
java/lang/Integer compareTo(Ljava/lang/Object;)I
java/lang/Integer <clinit>()V
class java/lang/Short java/lang/Number
java/lang/Short MIN_VALUE
java/lang/Short MAX_VALUE
java/lang/Short TYPE
java/lang/Short value
java/lang/Short SIZE

java/lang/Short serialVersionUID
java/lang/Short toString(S)Ljava/lang/String;
java/lang/Short parseShort(Ljava/lang/String;)S
java/lang/Short parseShort(Ljava/lang/String;I)S
java/lang/Short valueOf(Ljava/lang/String;I)Ljava/lang/Short;
java/lang/Short valueOf(Ljava/lang/String;)Ljava/lang/Short;
java/lang/Short valueOf(S)Ljava/lang/Short;
java/lang/Short decode(Ljava/lang/String;)Ljava/lang/Short;
java/lang/Short <init>(S)V
java/lang/Short <init>(Ljava/lang/String;)V
java/lang/Short
byteValue()B
java/lang/Short shortValue()S
java/lang/Short intValue()I
java/lang/Short longValue()J
java/lang/Short floatValue()F
java/lang/Short doubleValue()D
java/lang/Short toString()Ljava/lang/String;
java/lang/Short hashCode()I
java/lang/Short equals(Ljava/lang/Object;)Z
java/lang/Short compareTo(Ljava/lang/Short;)I
java/lang/Short reverseBytes(S)S
java/lang/Short compareTo(Ljava/lang/Object;)I
java/lang/Short <clinit>()V
class java/lang/Byte java/lang/Number
java/lang/Byte MIN_VALUE
java/lang/Byte MAX_VALUE
java/lang/Byte TYPE
java/lang/Byte value
java/lang/Byte SIZE
java/lang/Byte serialVersionUID
java/lang/Byte toString(B)Ljava/lang/String;
java/lang/Byte valueOf(B)Ljava/lang/Byte;
java/lang/Byte parseByte(Ljava/lang/String;)B
java/lang/Byte parseByte(Ljava/lang/String;I)B
java/lang/Byte valueOf(Ljava/lang/String;I)Ljava/lang/Byte;
java/lang/Byte valueOf(Ljava/lang/String;)Ljava/lang/Byte;
java/lang/Byte decode(Ljava/lang/String;)Ljava/lang/Byte;
java/lang/Byte <init>(B)V
java/lang/Byte
<init>(Ljava/lang/String;)V
java/lang/Byte byteValue()B
java/lang/Byte shortValue()S
java/lang/Byte intValue()I
java/lang/Byte longValue()J
java/lang/Byte floatValue()F
java/lang/Byte doubleValue()D
java/lang/Byte toString()Ljava/lang/String;

java/lang/Byte hashCode()I
java/lang/Byte equals(Ljava/lang/Object;)Z
java/lang/Byte compareTo(Ljava/lang/Byte;)I
java/lang/Byte compareTo(Ljava/lang/Object;)I
java/lang/Byte <clinit>()V
class java/lang/Double java/lang/Number
java/lang/Double POSITIVE_INFINITY
java/lang/Double NEGATIVE_INFINITY
java/lang/Double NaN
java/lang/Double MAX_VALUE
java/lang/Double MIN_VALUE
java/lang/Double SIZE
java/lang/Double TYPE
java/lang/Double value
java/lang/Double serialVersionUID
java/lang/Double toString(D)Ljava/lang/String;
java/lang/Double toHexString(D)Ljava/lang/String;
java/lang/Double valueOf(Ljava/lang/String;)Ljava/lang/Double;
java/lang/Double valueOf(D)Ljava/lang/Double;
java/lang/Double parseDouble(Ljava/lang/String;)D
java/lang/Double
 isNaN(D)Z
java/lang/Double isInfinite(D)Z
java/lang/Double <init>(D)V
java/lang/Double <init>(Ljava/lang/String;)V
java/lang/Double isNaN()Z
java/lang/Double isInfinite()Z
java/lang/Double toString()Ljava/lang/String;
java/lang/Double byteValue()B
java/lang/Double shortValue()S
java/lang/Double intValue()I
java/lang/Double longValue()J
java/lang/Double floatValue()F
java/lang/Double doubleValue()D
java/lang/Double hashCode()I
java/lang/Double equals(Ljava/lang/Object;)Z
java/lang/Double doubleToLongBits(D)J
java/lang/Double doubleToRawLongBits(D)J
java/lang/Double longBitsToDouble(J)D
java/lang/Double compareTo(Ljava/lang/Double;)I
java/lang/Double compare(DD)I
java/lang/Double compareTo(Ljava/lang/Object;)I
java/lang/Double <clinit>()V
class java/lang/Float java/lang/Number
java/lang/Float POSITIVE_INFINITY
java/lang/Float NEGATIVE_INFINITY
java/lang/Float NaN
java/lang/Float MAX_VALUE

java/lang/Float MIN_VALUE
java/lang/Float SIZE
java/lang/Float TYPE
java/lang/Float value
java/lang/Float
 serialVersionUID
java/lang/Float toString(F)Ljava/lang/String;
java/lang/Float toHexString(F)Ljava/lang/String;
java/lang/Float valueOf(Ljava/lang/String;)Ljava/lang/Float;
java/lang/Float valueOf(F)Ljava/lang/Float;
java/lang/Float parseFloat(Ljava/lang/String;)F
java/lang/Float isNaN(F)Z
java/lang/Float isInfinite(F)Z
java/lang/Float <init>(F)V
java/lang/Float <init>(D)V
java/lang/Float <init>(Ljava/lang/String;)V
java/lang/Float isNaN()Z
java/lang/Float isInfinite()Z
java/lang/Float toString()Ljava/lang/String;
java/lang/Float byteValue()B
java/lang/Float shortValue()S
java/lang/Float intValue()I
java/lang/Float longValue()J
java/lang/Float floatValue()F
java/lang/Float doubleValue()D
java/lang/Float hashCode()I
java/lang/Float equals(Ljava/lang/Object;)Z
java/lang/Float floatToIntBits(F)I
java/lang/Float floatToRawIntBits(F)I
java/lang/Float intBitsToFloat(I)F
java/lang/Float compareTo(Ljava/lang/Float;)I
java/lang/Float compare(FF)I
java/lang/Float compareTo(Ljava/lang/Object;)I
java/lang/Float
 <clinit>()V
class java/lang/Number java/lang/Object
java/lang/Number serialVersionUID
java/lang/Number <init>()V
java/lang/Number intValue()I
java/lang/Number longValue()J
java/lang/Number floatValue()F
java/lang/Number doubleValue()D
java/lang/Number byteValue()B
java/lang/Number shortValue()S
class java/lang/Character java/lang/Object
java/lang/Character MIN_RADIX
java/lang/Character MAX_RADIX
java/lang/Character MIN_VALUE

java/lang/Character MAX_VALUE
java/lang/Character TYPE
java/lang/Character UNASSIGNED
java/lang/Character UPPERCASE_LETTER
java/lang/Character LOWERCASE_LETTER
java/lang/Character TITLECASE_LETTER
java/lang/Character MODIFIER_LETTER
java/lang/Character OTHER_LETTER
java/lang/Character NON_SPACING_MARK
java/lang/Character ENCLOSING_MARK
java/lang/Character COMBINING_SPACING_MARK
java/lang/Character DECIMAL_DIGIT_NUMBER
java/lang/Character LETTER_NUMBER
java/lang/Character OTHER_NUMBER
java/lang/Character SPACE_SEPARATOR
java/lang/Character
LINE_SEPARATOR
java/lang/Character PARAGRAPH_SEPARATOR
java/lang/Character CONTROL
java/lang/Character FORMAT
java/lang/Character PRIVATE_USE
java/lang/Character SURROGATE
java/lang/Character DASH_PUNCTUATION
java/lang/Character START_PUNCTUATION
java/lang/Character END_PUNCTUATION
java/lang/Character CONNECTOR_PUNCTUATION
java/lang/Character OTHER_PUNCTUATION
java/lang/Character MATH_SYMBOL
java/lang/Character CURRENCY_SYMBOL
java/lang/Character MODIFIER_SYMBOL
java/lang/Character OTHER_SYMBOL
java/lang/Character INITIAL_QUOTE_PUNCTUATION
java/lang/Character FINAL_QUOTE_PUNCTUATION
java/lang/Character ERROR
java/lang/Character DIRECTIONALITY_UNDEFINED
java/lang/Character DIRECTIONALITY_LEFT_TO_RIGHT
java/lang/Character DIRECTIONALITY_RIGHT_TO_LEFT
java/lang/Character DIRECTIONALITY_RIGHT_TO_LEFT_ARABIC
java/lang/Character DIRECTIONALITY_EUROPEAN_NUMBER
java/lang/Character DIRECTIONALITY_EUROPEAN_NUMBER_SEPARATOR
java/lang/Character DIRECTIONALITY_EUROPEAN_NUMBER_TERMINATOR
java/lang/Character
DIRECTIONALITY_ARABIC_NUMBER
java/lang/Character DIRECTIONALITY_COMMON_NUMBER_SEPARATOR
java/lang/Character DIRECTIONALITY_NONSPACING_MARK
java/lang/Character DIRECTIONALITY_BOUNDARY_NEUTRAL
java/lang/Character DIRECTIONALITY_PARAGRAPH_SEPARATOR
java/lang/Character DIRECTIONALITY_SEGMENT_SEPARATOR

java/lang/Character DIRECTIONALITY_WHITESPACE
java/lang/Character DIRECTIONALITY_OTHER_NEUTRALS
java/lang/Character DIRECTIONALITY_LEFT_TO_RIGHT_EMBEDDING
java/lang/Character DIRECTIONALITY_LEFT_TO_RIGHT_OVERRIDE
java/lang/Character DIRECTIONALITY_RIGHT_TO_LEFT_EMBEDDING
java/lang/Character DIRECTIONALITY_RIGHT_TO_LEFT_OVERRIDE
java/lang/Character DIRECTIONALITY_POP_DIRECTIONAL_FORMAT
java/lang/Character MIN_HIGH_SURROGATE
java/lang/Character MAX_HIGH_SURROGATE
java/lang/Character MIN_LOW_SURROGATE
java/lang/Character MAX_LOW_SURROGATE
java/lang/Character MIN_SURROGATE
java/lang/Character MAX_SURROGATE
java/lang/Character MIN_SUPPLEMENTARY_CODE_POINT
java/lang/Character MIN_CODE_POINT
java/lang/Character
MAX_CODE_POINT
java/lang/Character value
java/lang/Character serialVersionUID
java/lang/Character FAST_PATH_MAX
java/lang/Character SIZE
java/lang/Character $assertionsDisabled
java/lang/Character <init>(C)V
java/lang/Character valueOf(C)Ljava/lang/Character;
java/lang/Character charValue()C
java/lang/Character hashCode()I
java/lang/Character equals(Ljava/lang/Object;)Z
java/lang/Character toString()Ljava/lang/String;
java/lang/Character toString(C)Ljava/lang/String;
java/lang/Character getPlane(I)I
java/lang/Character isValidCodePoint(I)Z
java/lang/Character isSupplementaryCodePoint(I)Z
java/lang/Character isHighSurrogate(C)Z
java/lang/Character isLowSurrogate(C)Z
java/lang/Character isSurrogatePair(CC)Z
java/lang/Character charCount(I)I
java/lang/Character toCodePoint(CC)I
java/lang/Character codePointAt(Ljava/lang/CharSequence;I)I
java/lang/Character codePointAt([CI)I
java/lang/Character codePointAt([CII)I
java/lang/Character codePointAtImpl([CII)I
java/lang/Character
codePointBefore(Ljava/lang/CharSequence;I)I
java/lang/Character codePointBefore([CI)I
java/lang/Character codePointBefore([CII)I
java/lang/Character codePointBeforeImpl([CII)I
java/lang/Character toChars(I[CI)I
java/lang/Character toChars(I)[C

java/lang/Character toSurrogates(I[CI)V
java/lang/Character codePointCount(Ljava/lang/CharSequence;II)I
java/lang/Character codePointCount([CII)I
java/lang/Character codePointCountImpl([CII)I
java/lang/Character offsetByCodePoints(Ljava/lang/CharSequence;II)I
java/lang/Character offsetByCodePoints([CIIII)I
java/lang/Character offsetByCodePointsImpl([CIIII)I
java/lang/Character isLowerCase(C)Z
java/lang/Character isLowerCase(I)Z
java/lang/Character isUpperCase(C)Z
java/lang/Character isUpperCase(I)Z
java/lang/Character isTitleCase(C)Z
java/lang/Character isTitleCase(I)Z
java/lang/Character isDigit(C)Z
java/lang/Character isDigit(I)Z
java/lang/Character isDefined(C)Z
java/lang/Character isDefined(I)Z
java/lang/Character isLetter(C)Z
java/lang/Character
isLetter(I)Z
java/lang/Character isLetterOrDigit(C)Z
java/lang/Character isLetterOrDigit(I)Z
java/lang/Character isJavaLetter(C)Z
java/lang/Character isJavaLetterOrDigit(C)Z
java/lang/Character isJavaIdentifierStart(C)Z
java/lang/Character isJavaIdentifierStart(I)Z
java/lang/Character isJavaIdentifierPart(C)Z
java/lang/Character isJavaIdentifierPart(I)Z
java/lang/Character isUnicodeIdentifierStart(C)Z
java/lang/Character isUnicodeIdentifierStart(I)Z
java/lang/Character isUnicodeIdentifierPart(C)Z
java/lang/Character isUnicodeIdentifierPart(I)Z
java/lang/Character isIdentifierIgnorable(C)Z
java/lang/Character isIdentifierIgnorable(I)Z
java/lang/Character toLowerCase(C)C
java/lang/Character toLowerCase(I)I
java/lang/Character toUpperCase(C)C
java/lang/Character toUpperCase(I)I
java/lang/Character toTitleCase(C)C
java/lang/Character toTitleCase(I)I
java/lang/Character digit(CI)I
java/lang/Character digit(II)I
java/lang/Character getNumericValue(C)I
java/lang/Character
getNumericValue(I)I
java/lang/Character isSpace(C)Z
java/lang/Character isSpaceChar(C)Z
java/lang/Character isSpaceChar(I)Z

java/lang/Character isWhitespace(C)Z
java/lang/Character isWhitespace(I)Z
java/lang/Character isISOControl(C)Z
java/lang/Character isISOControl(I)Z
java/lang/Character getType(C)I
java/lang/Character getType(I)I
java/lang/Character forDigit(II)C
java/lang/Character getDirectionality(C)B
java/lang/Character getDirectionality(I)B
java/lang/Character isMirrored(C)Z
java/lang/Character isMirrored(I)Z
java/lang/Character compareTo(Ljava/lang/Character;)I
java/lang/Character toUpperCaseEx(I)I
java/lang/Character toUpperCaseCharArray(I)[C
java/lang/Character reverseBytes(C)C
java/lang/Character compareTo(Ljava/lang/Object;)I
java/lang/Character <clinit>()V
class java/lang/Boolean java/lang/Object
java/lang/Boolean TRUE
java/lang/Boolean FALSE
java/lang/Boolean TYPE
java/lang/Boolean value
java/lang/Boolean serialVersionUID
java/lang/Boolean <init>(Z)V
java/lang/Boolean
 <init>(Ljava/lang/String;)V
java/lang/Boolean parseBoolean(Ljava/lang/String;)Z
java/lang/Boolean booleanValue()Z
java/lang/Boolean valueOf(Z)Ljava/lang/Boolean;
java/lang/Boolean valueOf(Ljava/lang/String;)Ljava/lang/Boolean;
java/lang/Boolean toString(Z)Ljava/lang/String;
java/lang/Boolean toString()Ljava/lang/String;
java/lang/Boolean hashCode()I
java/lang/Boolean equals(Ljava/lang/Object;)Z
java/lang/Boolean getBoolean(Ljava/lang/String;)Z
java/lang/Boolean compareTo(Ljava/lang/Boolean;)I
java/lang/Boolean toBoolean(Ljava/lang/String;)Z
java/lang/Boolean compareTo(Ljava/lang/Object;)I
java/lang/Boolean <clinit>()V
class java/nio/Buffer java/lang/Object
java/nio/Buffer mark
java/nio/Buffer position
java/nio/Buffer limit
java/nio/Buffer capacity
java/nio/Buffer address
java/nio/Buffer <init>(IIII)V
java/nio/Buffer capacity()I
java/nio/Buffer position()I

java/nio/Buffer position(I)Ljava/nio/Buffer;
java/nio/Buffer limit()I
java/nio/Buffer limit(I)Ljava/nio/Buffer;
java/nio/Buffer mark()Ljava/nio/Buffer;
java/nio/Buffer
reset()Ljava/nio/Buffer;
java/nio/Buffer clear()Ljava/nio/Buffer;
java/nio/Buffer flip()Ljava/nio/Buffer;
java/nio/Buffer rewind()Ljava/nio/Buffer;
java/nio/Buffer remaining()I
java/nio/Buffer hasRemaining()Z
java/nio/Buffer isReadOnly()Z
java/nio/Buffer nextGetIndex()I
java/nio/Buffer nextGetIndex(I)I
java/nio/Buffer nextPutIndex()I
java/nio/Buffer nextPutIndex(I)I
java/nio/Buffer checkIndex(I)I
java/nio/Buffer checkIndex(II)I
java/nio/Buffer markValue()I
java/nio/Buffer checkBounds(III)V
class java/lang/StackTraceElement java/lang/Object
java/lang/StackTraceElement declaringClass
java/lang/StackTraceElement methodName
java/lang/StackTraceElement fileName
java/lang/StackTraceElement lineNumber
java/lang/StackTraceElement serialVersionUID
java/lang/StackTraceElement <init>(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;I)V
java/lang/StackTraceElement getFileName()Ljava/lang/String;
java/lang/StackTraceElement getLineNumber()I
java/lang/StackTraceElement
getClassName()Ljava/lang/String;
java/lang/StackTraceElement getMethodName()Ljava/lang/String;
java/lang/StackTraceElement isNativeMethod()Z
java/lang/StackTraceElement toString()Ljava/lang/String;
java/lang/StackTraceElement equals(Ljava/lang/Object;)Z
java/lang/StackTraceElement eq(Ljava/lang/Object;Ljava/lang/Object;)Z
java/lang/StackTraceElement hashCode()I
class java/lang/StringBuffer java/lang/AbstractStringBuilder
java/lang/StringBuffer serialVersionUID
java/lang/StringBuffer serialPersistentFields
java/lang/StringBuffer <init>()V
java/lang/StringBuffer <init>(I)V
java/lang/StringBuffer <init>(Ljava/lang/String;)V
java/lang/StringBuffer <init>(Ljava/lang/CharSequence;)V
java/lang/StringBuffer length()I
java/lang/StringBuffer capacity()I
java/lang/StringBuffer ensureCapacity(I)V
java/lang/StringBuffer trimToSize()V

java/lang/StringBuffer setLength(I)V
java/lang/StringBuffer charAt(I)C
java/lang/StringBuffer codePointAt(I)I
java/lang/StringBuffer codePointBefore(I)I
java/lang/StringBuffer
codePointCount(II)I
java/lang/StringBuffer offsetByCodePoints(II)I
java/lang/StringBuffer getChars(II[CI)V
java/lang/StringBuffer setCharAt(IC)V
java/lang/StringBuffer append(Ljava/lang/Object;)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(Ljava/lang/String;)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(Ljava/lang/StringBuffer;)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(Ljava/lang/CharSequence;)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(Ljava/lang/CharSequence;II)Ljava/lang/StringBuffer;
java/lang/StringBuffer append([C)Ljava/lang/StringBuffer;
java/lang/StringBuffer append([CII)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(Z)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(C)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(I)Ljava/lang/StringBuffer;
java/lang/StringBuffer appendCodePoint(I)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(J)Ljava/lang/StringBuffer;
java/lang/StringBuffer append(F)Ljava/lang/StringBuffer;
java/lang/StringBuffer
append(D)Ljava/lang/StringBuffer;
java/lang/StringBuffer delete(II)Ljava/lang/StringBuffer;
java/lang/StringBuffer deleteCharAt(I)Ljava/lang/StringBuffer;
java/lang/StringBuffer replace(IILjava/lang/String;)Ljava/lang/StringBuffer;
java/lang/StringBuffer substring(I)Ljava/lang/String;
java/lang/StringBuffer subSequence(II)Ljava/lang/CharSequence;
java/lang/StringBuffer substring(II)Ljava/lang/String;
java/lang/StringBuffer insert(I[CII)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(ILjava/lang/Object;)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(ILjava/lang/String;)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(I[C)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(ILjava/lang/CharSequence;)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(ILjava/lang/CharSequence;II)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(IZ)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(IC)Ljava/lang/StringBuffer;
java/lang/StringBuffer
insert(II)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(IJ)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(IF)Ljava/lang/StringBuffer;
java/lang/StringBuffer insert(ID)Ljava/lang/StringBuffer;
java/lang/StringBuffer indexOf(Ljava/lang/String;)I
java/lang/StringBuffer indexOf(Ljava/lang/String;I)I
java/lang/StringBuffer lastIndexOf(Ljava/lang/String;)I
java/lang/StringBuffer lastIndexOf(Ljava/lang/String;I)I
java/lang/StringBuffer reverse()Ljava/lang/StringBuffer;

java/lang/StringBuffer toString()Ljava/lang/String;
java/lang/StringBuffer writeObject(Ljava/io/ObjectOutputStream;)V
java/lang/StringBuffer readObject(Ljava/io/ObjectInputStream;)V
java/lang/StringBuffer reverse()Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(ID)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(IF)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(IJ)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(II)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer
insert(IC)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(IZ)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(ILjava/lang/CharSequence;II)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(ILjava/lang/CharSequence;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(I[C)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(ILjava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(ILjava/lang/Object;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer insert(I[CII)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer replace(IILjava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer deleteCharAt(I)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer appendCodePoint(I)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer delete(II)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(D)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer
append(F)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(J)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(I)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(C)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(Z)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append([CII)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append([C)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(Ljava/lang/CharSequence;II)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(Ljava/lang/CharSequence;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(Ljava/lang/StringBuffer;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(Ljava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(Ljava/lang/Object;)Ljava/lang/AbstractStringBuilder;
java/lang/StringBuffer append(C)Ljava/lang/Appendable;
java/lang/StringBuffer append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/lang/StringBuffer
append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
java/lang/StringBuffer <clinit>()V
class java/lang/AbstractStringBuilder java/lang/Object
java/lang/AbstractStringBuilder value
java/lang/AbstractStringBuilder count
java/lang/AbstractStringBuilder sizeTable
java/lang/AbstractStringBuilder <init>()V
java/lang/AbstractStringBuilder <init>(I)V
java/lang/AbstractStringBuilder length()I
java/lang/AbstractStringBuilder capacity()I

java/lang/AbstractStringBuilder ensureCapacity(I)V
java/lang/AbstractStringBuilder expandCapacity(I)V
java/lang/AbstractStringBuilder trimToSize()V
java/lang/AbstractStringBuilder setLength(I)V
java/lang/AbstractStringBuilder charAt(I)C
java/lang/AbstractStringBuilder codePointAt(I)I
java/lang/AbstractStringBuilder codePointBefore(I)I
java/lang/AbstractStringBuilder codePointCount(II)I
java/lang/AbstractStringBuilder offsetByCodePoints(II)I
java/lang/AbstractStringBuilder getChars(II[CI)V
java/lang/AbstractStringBuilder
setCharAt(IC)V
java/lang/AbstractStringBuilder append(Ljava/lang/Object;)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append(Ljava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append(Ljava/lang/StringBuffer;)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append(Ljava/lang/CharSequence;)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append(Ljava/lang/CharSequence;II)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append([C)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append([CII)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append(Z)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append(C)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append(I)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder stringSizeOfInt(I)I
java/lang/AbstractStringBuilder append(J)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder
stringSizeOfLong(J)I
java/lang/AbstractStringBuilder append(F)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder append(D)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder delete(II)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder appendCodePoint(I)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder deleteCharAt(I)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder replace(IILjava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder substring(I)Ljava/lang/String;
java/lang/AbstractStringBuilder subSequence(II)Ljava/lang/CharSequence;
java/lang/AbstractStringBuilder substring(II)Ljava/lang/String;
java/lang/AbstractStringBuilder insert(I[CII)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(ILjava/lang/Object;)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(ILjava/lang/String;)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder
insert(I[C)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(ILjava/lang/CharSequence;)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(ILjava/lang/CharSequence;II)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(IZ)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(IC)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(II)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(IJ)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(IF)Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder insert(ID)Ljava/lang/AbstractStringBuilder;

java/lang/AbstractStringBuilder indexOf(Ljava/lang/String;)I
java/lang/AbstractStringBuilder indexOf(Ljava/lang/String;I)I
java/lang/AbstractStringBuilder lastIndexOf(Ljava/lang/String;)I
java/lang/AbstractStringBuilder lastIndexOf(Ljava/lang/String;I)I
java/lang/AbstractStringBuilder
reverse()Ljava/lang/AbstractStringBuilder;
java/lang/AbstractStringBuilder toString()Ljava/lang/String;
java/lang/AbstractStringBuilder getValue()[C
java/lang/AbstractStringBuilder append(C)Ljava/lang/Appendable;
java/lang/AbstractStringBuilder append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/lang/AbstractStringBuilder append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
java/lang/AbstractStringBuilder <clinit>()V
class java/lang/Appendable java/lang/Object
java/lang/Appendable append(Ljava/lang/CharSequence;)Ljava/lang/Appendable;
java/lang/Appendable append(Ljava/lang/CharSequence;II)Ljava/lang/Appendable;
java/lang/Appendable append(C)Ljava/lang/Appendable;
class java/util/Vector java/util/AbstractList
java/util/Vector elementData
java/util/Vector elementCount
java/util/Vector capacityIncrement
java/util/Vector serialVersionUID
java/util/Vector <init>(II)V
java/util/Vector <init>(I)V
java/util/Vector <init>()V
java/util/Vector
<init>(Ljava/util/Collection;)V
java/util/Vector copyInto([Ljava/lang/Object;)V
java/util/Vector trimToSize()V
java/util/Vector ensureCapacity(I)V
java/util/Vector ensureCapacityHelper(I)V
java/util/Vector setSize(I)V
java/util/Vector capacity()I
java/util/Vector size()I
java/util/Vector isEmpty()Z
java/util/Vector elements()Ljava/util/Enumeration;
java/util/Vector contains(Ljava/lang/Object;)Z
java/util/Vector indexOf(Ljava/lang/Object;)I
java/util/Vector indexOf(Ljava/lang/Object;I)I
java/util/Vector lastIndexOf(Ljava/lang/Object;)I
java/util/Vector lastIndexOf(Ljava/lang/Object;I)I
java/util/Vector elementAt(I)Ljava/lang/Object;
java/util/Vector firstElement()Ljava/lang/Object;
java/util/Vector lastElement()Ljava/lang/Object;
java/util/Vector setElementAt(Ljava/lang/Object;I)V
java/util/Vector removeElementAt(I)V
java/util/Vector insertElementAt(Ljava/lang/Object;I)V
java/util/Vector addElement(Ljava/lang/Object;)V
java/util/Vector removeElement(Ljava/lang/Object;)Z

java/util/Vector
 removeAllElements()V
java/util/Vector clone()Ljava/lang/Object;
java/util/Vector toArray()[Ljava/lang/Object;
java/util/Vector toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/Vector get(I)Ljava/lang/Object;
java/util/Vector set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/Vector add(Ljava/lang/Object;)Z
java/util/Vector remove(Ljava/lang/Object;)Z
java/util/Vector add(ILjava/lang/Object;)V
java/util/Vector remove(I)Ljava/lang/Object;
java/util/Vector clear()V
java/util/Vector containsAll(Ljava/util/Collection;)Z
java/util/Vector addAll(Ljava/util/Collection;)Z
java/util/Vector removeAll(Ljava/util/Collection;)Z
java/util/Vector retainAll(Ljava/util/Collection;)Z
java/util/Vector addAll(ILjava/util/Collection;)Z
java/util/Vector equals(Ljava/lang/Object;)Z
java/util/Vector hashCode()I
java/util/Vector toString()Ljava/lang/String;
java/util/Vector subList(II)Ljava/util/List;
java/util/Vector removeRange(II)V
java/util/Vector writeObject(Ljava/io/ObjectOutputStream;)V
class
 java/util/AbstractList java/util/AbstractCollection
java/util/AbstractList modCount
java/util/AbstractList <init>()V
java/util/AbstractList add(Ljava/lang/Object;)Z
java/util/AbstractList get(I)Ljava/lang/Object;
java/util/AbstractList set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/AbstractList add(ILjava/lang/Object;)V
java/util/AbstractList remove(I)Ljava/lang/Object;
java/util/AbstractList indexOf(Ljava/lang/Object;)I
java/util/AbstractList lastIndexOf(Ljava/lang/Object;)I
java/util/AbstractList clear()V
java/util/AbstractList addAll(ILjava/util/Collection;)Z
java/util/AbstractList iterator()Ljava/util/Iterator;
java/util/AbstractList listIterator()Ljava/util/ListIterator;
java/util/AbstractList listIterator(I)Ljava/util/ListIterator;
java/util/AbstractList subList(II)Ljava/util/List;
java/util/AbstractList equals(Ljava/lang/Object;)Z
java/util/AbstractList hashCode()I
java/util/AbstractList removeRange(II)V
class java/util/AbstractCollection java/lang/Object
java/util/AbstractCollection
 <init>()V
java/util/AbstractCollection iterator()Ljava/util/Iterator;
java/util/AbstractCollection size()I

java/util/AbstractCollection isEmpty()Z
java/util/AbstractCollection contains(Ljava/lang/Object;)Z
java/util/AbstractCollection toArray()[Ljava/lang/Object;
java/util/AbstractCollection toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/AbstractCollection add(Ljava/lang/Object;)Z
java/util/AbstractCollection remove(Ljava/lang/Object;)Z
java/util/AbstractCollection containsAll(Ljava/util/Collection;)Z
java/util/AbstractCollection addAll(Ljava/util/Collection;)Z
java/util/AbstractCollection removeAll(Ljava/util/Collection;)Z
java/util/AbstractCollection retainAll(Ljava/util/Collection;)Z
java/util/AbstractCollection clear()V
java/util/AbstractCollection toString()Ljava/lang/String;
class java/util/RandomAccess java/lang/Object
class java/util/List java/lang/Object
java/util/List size()I
java/util/List isEmpty()Z
java/util/List contains(Ljava/lang/Object;)Z
java/util/List
iterator()Ljava/util/Iterator;
java/util/List toArray()[Ljava/lang/Object;
java/util/List toArray([Ljava/lang/Object;)[Ljava/lang/Object;
java/util/List add(Ljava/lang/Object;)Z
java/util/List remove(Ljava/lang/Object;)Z
java/util/List containsAll(Ljava/util/Collection;)Z
java/util/List addAll(Ljava/util/Collection;)Z
java/util/List addAll(ILjava/util/Collection;)Z
java/util/List removeAll(Ljava/util/Collection;)Z
java/util/List retainAll(Ljava/util/Collection;)Z
java/util/List clear()V
java/util/List equals(Ljava/lang/Object;)Z
java/util/List hashCode()I
java/util/List get(I)Ljava/lang/Object;
java/util/List set(ILjava/lang/Object;)Ljava/lang/Object;
java/util/List add(ILjava/lang/Object;)V
java/util/List remove(I)Ljava/lang/Object;
java/util/List indexOf(Ljava/lang/Object;)I
java/util/List lastIndexOf(Ljava/lang/Object;)I
java/util/List listIterator()Ljava/util/ListIterator;
java/util/List listIterator(I)Ljava/util/ListIterator;
java/util/List subList(II)Ljava/util/List;
class
java/util/Collection java/lang/Object
java/util/Collection size()I
java/util/Collection isEmpty()Z
java/util/Collection contains(Ljava/lang/Object;)Z
java/util/Collection iterator()Ljava/util/Iterator;
java/util/Collection toArray()[Ljava/lang/Object;
java/util/Collection toArray([Ljava/lang/Object;)[Ljava/lang/Object;

java/util/Collection add(Ljava/lang/Object;)Z
java/util/Collection remove(Ljava/lang/Object;)Z
java/util/Collection containsAll(Ljava/util/Collection;)Z
java/util/Collection addAll(Ljava/util/Collection;)Z
java/util/Collection removeAll(Ljava/util/Collection;)Z
java/util/Collection retainAll(Ljava/util/Collection;)Z
java/util/Collection clear()V
java/util/Collection equals(Ljava/lang/Object;)Z
java/util/Collection hashCode()I
class java/lang/Iterable java/lang/Object
java/lang/Iterable iterator()Ljava/util/Iterator;
class java/lang/reflect/Constructor java/lang/reflect/AccessibleObject
java/lang/reflect/Constructor clazz
java/lang/reflect/Constructor slot
java/lang/reflect/Constructor
parameterTypes
java/lang/reflect/Constructor exceptionTypes
java/lang/reflect/Constructor modifiers
java/lang/reflect/Constructor signature
java/lang/reflect/Constructor genericInfo
java/lang/reflect/Constructor annotations
java/lang/reflect/Constructor parameterAnnotations
java/lang/reflect/Constructor constructorAccessor
java/lang/reflect/Constructor root
java/lang/reflect/Constructor EMPTY_ANNOTATION_ARRAY
java/lang/reflect/Constructor declaredAnnotations
java/lang/reflect/Constructor getFactory()Lsun/reflect/generics/factory/GenericsFactory;
java/lang/reflect/Constructor getGenericInfo()Lsun/reflect/generics/repository/ConstructorRepository;
java/lang/reflect/Constructor
<init>(Ljava/lang/Class;[Ljava/lang/Class;[Ljava/lang/Class;IILjava/lang/String;[B[B)V
java/lang/reflect/Constructor copy()Ljava/lang/reflect/Constructor;
java/lang/reflect/Constructor getDeclaringClass()Ljava/lang/Class;
java/lang/reflect/Constructor getName()Ljava/lang/String;
java/lang/reflect/Constructor
getModifiers()I
java/lang/reflect/Constructor getTypeParameters()[Ljava/lang/reflect/TypeVariable;
java/lang/reflect/Constructor getParameterTypes()[Ljava/lang/Class;
java/lang/reflect/Constructor getGenericParameterTypes()[Ljava/lang/reflect/Type;
java/lang/reflect/Constructor getExceptionTypes()[Ljava/lang/Class;
java/lang/reflect/Constructor getGenericExceptionTypes()[Ljava/lang/reflect/Type;
java/lang/reflect/Constructor equals(Ljava/lang/Object;)Z
java/lang/reflect/Constructor hashCode()I
java/lang/reflect/Constructor toString()Ljava/lang/String;
java/lang/reflect/Constructor toGenericString()Ljava/lang/String;
java/lang/reflect/Constructor newInstance([Ljava/lang/Object;)Ljava/lang/Object;
java/lang/reflect/Constructor isVarArgs()Z
java/lang/reflect/Constructor isSynthetic()Z
java/lang/reflect/Constructor acquireConstructorAccessor()V

java/lang/reflect/Constructor getConstructorAccessor()Lsun/reflect/ConstructorAccessor;
java/lang/reflect/Constructor setConstructorAccessor(Lsun/reflect/ConstructorAccessor;)V
java/lang/reflect/Constructor
 getSlot()I
java/lang/reflect/Constructor getSignature()Ljava/lang/String;
java/lang/reflect/Constructor getRawAnnotations()[B
java/lang/reflect/Constructor getRawParameterAnnotations()[B
java/lang/reflect/Constructor getAnnotation(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;
java/lang/reflect/Constructor getDeclaredAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/reflect/Constructor declaredAnnotations()Ljava/util/Map;
java/lang/reflect/Constructor getParameterAnnotations()[[Ljava/lang/annotation/Annotation;
java/lang/reflect/Constructor <clinit>()V
class java/lang/reflect/Method java/lang/reflect/AccessibleObject
java/lang/reflect/Method clazz
java/lang/reflect/Method slot
java/lang/reflect/Method name
java/lang/reflect/Method returnType
java/lang/reflect/Method parameterTypes
java/lang/reflect/Method exceptionTypes
java/lang/reflect/Method modifiers
java/lang/reflect/Method signature
java/lang/reflect/Method
 genericInfo
java/lang/reflect/Method annotations
java/lang/reflect/Method parameterAnnotations
java/lang/reflect/Method annotationDefault
java/lang/reflect/Method methodAccessor
java/lang/reflect/Method root
java/lang/reflect/Method securityCheckTargetClassCache
java/lang/reflect/Method EMPTY_ANNOTATION_ARRAY
java/lang/reflect/Method declaredAnnotations
java/lang/reflect/Method getGenericSignature()Ljava/lang/String;
java/lang/reflect/Method getFactory()Lsun/reflect/generics/factory/GenericsFactory;
java/lang/reflect/Method getGenericInfo()Lsun/reflect/generics/repository/MethodRepository;
java/lang/reflect/Method
<init>(Ljava/lang/Class;Ljava/lang/String;[Ljava/lang/Class;Ljava/lang/Class;[Ljava/lang/Class;IILjava/lang/String;
[B[B[B)V
java/lang/reflect/Method copy()Ljava/lang/reflect/Method;
java/lang/reflect/Method getDeclaringClass()Ljava/lang/Class;
java/lang/reflect/Method getName()Ljava/lang/String;
java/lang/reflect/Method getModifiers()I
java/lang/reflect/Method
 getTypeParameters()[Ljava/lang/reflect/TypeVariable;
java/lang/reflect/Method getReturnType()Ljava/lang/Class;
java/lang/reflect/Method getGenericReturnType()Ljava/lang/reflect/Type;
java/lang/reflect/Method getParameterTypes()[Ljava/lang/Class;
java/lang/reflect/Method getGenericParameterTypes()[Ljava/lang/reflect/Type;
java/lang/reflect/Method getExceptionTypes()[Ljava/lang/Class;

java/lang/reflect/Method getGenericExceptionTypes()[Ljava/lang/reflect/Type;
java/lang/reflect/Method equals(Ljava/lang/Object;)Z
java/lang/reflect/Method hashCode()I
java/lang/reflect/Method toString()Ljava/lang/String;
java/lang/reflect/Method toGenericString()Ljava/lang/String;
java/lang/reflect/Method invoke(Ljava/lang/Object;[Ljava/lang/Object;)Ljava/lang/Object;
java/lang/reflect/Method isBridge()Z
java/lang/reflect/Method isVarArgs()Z
java/lang/reflect/Method isSynthetic()Z
java/lang/reflect/Method acquireMethodAccessor()V
java/lang/reflect/Method getMethodAccessor()Lsun/reflect/MethodAccessor;
java/lang/reflect/Method
setMethodAccessor(Lsun/reflect/MethodAccessor;)V
java/lang/reflect/Method getAnnotation(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;
java/lang/reflect/Method getDeclaredAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/reflect/Method declaredAnnotations()Ljava/util/Map;
java/lang/reflect/Method getDefaultValue()Ljava/lang/Object;
java/lang/reflect/Method getParameterAnnotations()[[Ljava/lang/annotation/Annotation;
java/lang/reflect/Method <clinit>()V
class java/lang/reflect/Field java/lang/reflect/AccessibleObject
java/lang/reflect/Field clazz
java/lang/reflect/Field slot
java/lang/reflect/Field name
java/lang/reflect/Field type
java/lang/reflect/Field modifiers
java/lang/reflect/Field signature
java/lang/reflect/Field genericInfo
java/lang/reflect/Field annotations
java/lang/reflect/Field fieldAccessor
java/lang/reflect/Field overrideFieldAccessor
java/lang/reflect/Field root
java/lang/reflect/Field securityCheckTargetClassCache
java/lang/reflect/Field
EMPTY_ANNOTATION_ARRAY
java/lang/reflect/Field declaredAnnotations
java/lang/reflect/Field getGenericSignature()Ljava/lang/String;
java/lang/reflect/Field getFactory()Lsun/reflect/generics/factory/GenericsFactory;
java/lang/reflect/Field getGenericInfo()Lsun/reflect/generics/repository/FieldRepository;
java/lang/reflect/Field <init>(Ljava/lang/Class;Ljava/lang/String;Ljava/lang/Class;IILjava/lang/String;[B)V
java/lang/reflect/Field copy()Ljava/lang/reflect/Field;
java/lang/reflect/Field getDeclaringClass()Ljava/lang/Class;
java/lang/reflect/Field getName()Ljava/lang/String;
java/lang/reflect/Field getModifiers()I
java/lang/reflect/Field isEnumConstant()Z
java/lang/reflect/Field isSynthetic()Z
java/lang/reflect/Field getType()Ljava/lang/Class;
java/lang/reflect/Field getGenericType()Ljava/lang/reflect/Type;
java/lang/reflect/Field equals(Ljava/lang/Object;)Z

java/lang/reflect/Field hashCode()I
java/lang/reflect/Field toString()Ljava/lang/String;
java/lang/reflect/Field toGenericString()Ljava/lang/String;
java/lang/reflect/Field
get(Ljava/lang/Object;)Ljava/lang/Object;
java/lang/reflect/Field getBoolean(Ljava/lang/Object;)Z
java/lang/reflect/Field getByte(Ljava/lang/Object;)B
java/lang/reflect/Field getChar(Ljava/lang/Object;)C
java/lang/reflect/Field getShort(Ljava/lang/Object;)S
java/lang/reflect/Field getInt(Ljava/lang/Object;)I
java/lang/reflect/Field getLong(Ljava/lang/Object;)J
java/lang/reflect/Field getFloat(Ljava/lang/Object;)F
java/lang/reflect/Field getDouble(Ljava/lang/Object;)D
java/lang/reflect/Field set(Ljava/lang/Object;Ljava/lang/Object;)V
java/lang/reflect/Field setBoolean(Ljava/lang/Object;Z)V
java/lang/reflect/Field setByte(Ljava/lang/Object;B)V
java/lang/reflect/Field setChar(Ljava/lang/Object;C)V
java/lang/reflect/Field setShort(Ljava/lang/Object;S)V
java/lang/reflect/Field setInt(Ljava/lang/Object;I)V
java/lang/reflect/Field setLong(Ljava/lang/Object;J)V
java/lang/reflect/Field setFloat(Ljava/lang/Object;F)V
java/lang/reflect/Field
setDouble(Ljava/lang/Object;D)V
java/lang/reflect/Field getFieldAccessor(Ljava/lang/Object;)Lsun/reflect/FieldAccessor;
java/lang/reflect/Field acquireFieldAccessor(Z)Lsun/reflect/FieldAccessor;
java/lang/reflect/Field getFieldAccessor(Z)Lsun/reflect/FieldAccessor;
java/lang/reflect/Field setFieldAccessor(Lsun/reflect/FieldAccessor;Z)V
java/lang/reflect/Field doSecurityCheck(Ljava/lang/Object;)V
java/lang/reflect/Field getTypeName(Ljava/lang/Class;)Ljava/lang/String;
java/lang/reflect/Field getAnnotation(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;
java/lang/reflect/Field getDeclaredAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/reflect/Field declaredAnnotations()Ljava/util/Map;
java/lang/reflect/Field <clinit>()V
class java/lang/reflect/Member java/lang/Object
java/lang/reflect/Member PUBLIC
java/lang/reflect/Member DECLARED
java/lang/reflect/Member getDeclaringClass()Ljava/lang/Class;
java/lang/reflect/Member getName()Ljava/lang/String;
java/lang/reflect/Member getModifiers()I
java/lang/reflect/Member
isSynthetic()Z
class java/lang/reflect/AccessibleObject java/lang/Object
java/lang/reflect/AccessibleObject ACCESS_PERMISSION
java/lang/reflect/AccessibleObject securityCheckCache
java/lang/reflect/AccessibleObject override
java/lang/reflect/AccessibleObject reflectionFactory
java/lang/reflect/AccessibleObject setAccessible([Ljava/lang/reflect/AccessibleObject;Z)V
java/lang/reflect/AccessibleObject setAccessible(Z)V

java/lang/reflect/AccessibleObject setAccessible0(Ljava/lang/reflect/AccessibleObject;Z)V
java/lang/reflect/AccessibleObject isAccessible()Z
java/lang/reflect/AccessibleObject <init>()V
java/lang/reflect/AccessibleObject getAnnotation(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;
java/lang/reflect/AccessibleObject isAnnotationPresent(Ljava/lang/Class;)Z
java/lang/reflect/AccessibleObject getAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/reflect/AccessibleObject getDeclaredAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/reflect/AccessibleObject
<clinit>()V
class java/util/Properties java/util/Hashtable
java/util/Properties serialVersionUID
java/util/Properties defaults
java/util/Properties hexDigit
java/util/Properties <init>()V
java/util/Properties <init>(Ljava/util/Properties;)V
java/util/Properties setProperty(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/Object;
java/util/Properties load(Ljava/io/InputStream;)V
java/util/Properties loadConvert([CII[C)Ljava/lang/String;
java/util/Properties saveConvert(Ljava/lang/String;Z)Ljava/lang/String;
java/util/Properties save(Ljava/io/OutputStream;Ljava/lang/String;)V
java/util/Properties store(Ljava/io/OutputStream;Ljava/lang/String;)V
java/util/Properties writeln(Ljava/io/BufferedWriter;Ljava/lang/String;)V
java/util/Properties loadFromXML(Ljava/io/InputStream;)V
java/util/Properties storeToXML(Ljava/io/OutputStream;Ljava/lang/String;)V
java/util/Properties storeToXML(Ljava/io/OutputStream;Ljava/lang/String;Ljava/lang/String;)V
java/util/Properties
getProperty(Ljava/lang/String;)Ljava/lang/String;
java/util/Properties getProperty(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/util/Properties propertyNames()Ljava/util/Enumeration;
java/util/Properties list(Ljava/io/PrintStream;)V
java/util/Properties list(Ljava/io/PrintWriter;)V
java/util/Properties enumerate(Ljava/util/Hashtable;)V
java/util/Properties toHex(I)C
java/util/Properties <clinit>()V
class java/util/Hashtable java/util/Dictionary
java/util/Hashtable table
java/util/Hashtable count
java/util/Hashtable threshold
java/util/Hashtable loadFactor
java/util/Hashtable modCount
java/util/Hashtable serialVersionUID
java/util/Hashtable keySet
java/util/Hashtable entrySet
java/util/Hashtable values
java/util/Hashtable KEYS
java/util/Hashtable VALUES
java/util/Hashtable ENTRIES
java/util/Hashtable emptyEnumerator

java/util/Hashtable emptyIterator
java/util/Hashtable <init>(IF)V
java/util/Hashtable <init>(I)V
java/util/Hashtable <init>()V
java/util/Hashtable <init>(Ljava/util/Map;)V
java/util/Hashtable
 size()I
java/util/Hashtable isEmpty()Z
java/util/Hashtable keys()Ljava/util/Enumeration;
java/util/Hashtable elements()Ljava/util/Enumeration;
java/util/Hashtable contains(Ljava/lang/Object;)Z
java/util/Hashtable containsValue(Ljava/lang/Object;)Z
java/util/Hashtable containsKey(Ljava/lang/Object;)Z
java/util/Hashtable get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Hashtable rehash()V
java/util/Hashtable put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/Hashtable remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Hashtable putAll(Ljava/util/Map;)V
java/util/Hashtable clear()V
java/util/Hashtable clone()Ljava/lang/Object;
java/util/Hashtable toString()Ljava/lang/String;
java/util/Hashtable getEnumeration(I)Ljava/util/Enumeration;
java/util/Hashtable getIterator(I)Ljava/util/Iterator;
java/util/Hashtable keySet()Ljava/util/Set;
java/util/Hashtable entrySet()Ljava/util/Set;
java/util/Hashtable values()Ljava/util/Collection;
java/util/Hashtable
 equals(Ljava/lang/Object;)Z
java/util/Hashtable hashCode()I
java/util/Hashtable writeObject(Ljava/io/ObjectOutputStream;)V
java/util/Hashtable readObject(Ljava/io/ObjectInputStream;)V
java/util/Hashtable reconstitutionPut(Ljava/lang/Object;Ljava/lang/Object;)V
java/util/Hashtable access$100(Ljava/util/Hashtable;I)Ljava/util/Iterator;
java/util/Hashtable access$200(Ljava/util/Hashtable;)I
java/util/Hashtable access$400(Ljava/util/Hashtable;)[Ljava/util/Hashtable$Entry;
java/util/Hashtable access$508(Ljava/util/Hashtable;)I
java/util/Hashtable access$210(Ljava/util/Hashtable;)I
java/util/Hashtable access$500(Ljava/util/Hashtable;)I
java/util/Hashtable <clinit>()V
class java/util/Dictionary java/lang/Object
java/util/Dictionary <init>()V
java/util/Dictionary size()I
java/util/Dictionary isEmpty()Z
java/util/Dictionary keys()Ljava/util/Enumeration;
java/util/Dictionary elements()Ljava/util/Enumeration;
java/util/Dictionary get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Dictionary

put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/Dictionary remove(Ljava/lang/Object;)Ljava/lang/Object;
class java/util/Map java/lang/Object
java/util/Map size()I
java/util/Map isEmpty()Z
java/util/Map containsKey(Ljava/lang/Object;)Z
java/util/Map containsValue(Ljava/lang/Object;)Z
java/util/Map get(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Map put(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
java/util/Map remove(Ljava/lang/Object;)Ljava/lang/Object;
java/util/Map putAll(Ljava/util/Map;)V
java/util/Map clear()V
java/util/Map keySet()Ljava/util/Set;
java/util/Map values()Ljava/util/Collection;
java/util/Map entrySet()Ljava/util/Set;
java/util/Map equals(Ljava/lang/Object;)Z
java/util/Map hashCode()I
class java/lang/ThreadGroup java/lang/Object
java/lang/ThreadGroup parent
java/lang/ThreadGroup name
java/lang/ThreadGroup maxPriority
java/lang/ThreadGroup destroyed
java/lang/ThreadGroup daemon
java/lang/ThreadGroup vmAllowSuspension
java/lang/ThreadGroup
nUnstartedThreads
java/lang/ThreadGroup nthreads
java/lang/ThreadGroup threads
java/lang/ThreadGroup ngroups
java/lang/ThreadGroup groups
java/lang/ThreadGroup <init>()V
java/lang/ThreadGroup <init>(Ljava/lang/String;)V
java/lang/ThreadGroup <init>(Ljava/lang/ThreadGroup;Ljava/lang/String;)V
java/lang/ThreadGroup getName()Ljava/lang/String;
java/lang/ThreadGroup getParent()Ljava/lang/ThreadGroup;
java/lang/ThreadGroup getMaxPriority()I
java/lang/ThreadGroup isDaemon()Z
java/lang/ThreadGroup isDestroyed()Z
java/lang/ThreadGroup setDaemon(Z)V
java/lang/ThreadGroup setMaxPriority(I)V
java/lang/ThreadGroup parentOf(Ljava/lang/ThreadGroup;)Z
java/lang/ThreadGroup checkAccess()V
java/lang/ThreadGroup activeCount()I
java/lang/ThreadGroup enumerate([Ljava/lang/Thread;)I
java/lang/ThreadGroup enumerate([Ljava/lang/Thread;Z)I
java/lang/ThreadGroup enumerate([Ljava/lang/Thread;IZ)I
java/lang/ThreadGroup activeGroupCount()I
java/lang/ThreadGroup enumerate([Ljava/lang/ThreadGroup;)I

java/lang/ThreadGroup
enumerate([Ljava/lang/ThreadGroup;Z)I
java/lang/ThreadGroup enumerate([Ljava/lang/ThreadGroup;IZ)I
java/lang/ThreadGroup stop()V
java/lang/ThreadGroup interrupt()V
java/lang/ThreadGroup suspend()V
java/lang/ThreadGroup stopOrSuspend(Z)Z
java/lang/ThreadGroup resume()V
java/lang/ThreadGroup destroy()V
java/lang/ThreadGroup add(Ljava/lang/ThreadGroup;)V
java/lang/ThreadGroup remove(Ljava/lang/ThreadGroup;)V
java/lang/ThreadGroup addUnstarted()V
java/lang/ThreadGroup add(Ljava/lang/Thread;)V
java/lang/ThreadGroup remove(Ljava/lang/Thread;)V
java/lang/ThreadGroup list()V
java/lang/ThreadGroup list(Ljava/io/PrintStream;I)V
java/lang/ThreadGroup uncaughtException(Ljava/lang/Thread;Ljava/lang/Throwable;)V
java/lang/ThreadGroup allowThreadSuspension(Z)Z
java/lang/ThreadGroup toString()Ljava/lang/String;
class java/lang/Thread$UncaughtExceptionHandler java/lang/Object
java/lang/Thread$UncaughtExceptionHandler uncaughtException(Ljava/lang/Thread;Ljava/lang/Throwable;)V
class
java/lang/Thread java/lang/Object
java/lang/Thread name
java/lang/Thread priority
java/lang/Thread threadQ
java/lang/Thread eetop
java/lang/Thread started
java/lang/Thread single_step
java/lang/Thread daemon
java/lang/Thread stillborn
java/lang/Thread target
java/lang/Thread group
java/lang/Thread contextClassLoader
java/lang/Thread inheritedAccessControlContext
java/lang/Thread threadInitNumber
java/lang/Thread threadLocals
java/lang/Thread inheritableThreadLocals
java/lang/Thread stackSize
java/lang/Thread tid
java/lang/Thread threadSeqNumber
java/lang/Thread threadStatus
java/lang/Thread blocker
java/lang/Thread blockerLock
java/lang/Thread MIN_PRIORITY
java/lang/Thread NORM_PRIORITY
java/lang/Thread MAX_PRIORITY
java/lang/Thread EMPTY_STACK_TRACE

java/lang/Thread SUBCLASS_IMPLEMENTATION_PERMISSION
java/lang/Thread subclassAudits
java/lang/Thread uncaughtExceptionHandler
java/lang/Thread defaultUncaughtExceptionHandler
java/lang/Thread registerNatives()V
java/lang/Thread
nextThreadNum()I
java/lang/Thread nextThreadID()J
java/lang/Thread blockedOn(Lsun/nio/ch/Interruptible;)V
java/lang/Thread currentThread()Ljava/lang/Thread;
java/lang/Thread yield()V
java/lang/Thread sleep(J)V
java/lang/Thread sleep(JI)V
java/lang/Thread init(Ljava/lang/ThreadGroup;Ljava/lang/Runnable;Ljava/lang/String;J)V
java/lang/Thread <init>()V
java/lang/Thread <init>(Ljava/lang/Runnable;)V
java/lang/Thread <init>(Ljava/lang/ThreadGroup;Ljava/lang/Runnable;)V
java/lang/Thread <init>(Ljava/lang/String;)V
java/lang/Thread <init>(Ljava/lang/ThreadGroup;Ljava/lang/String;)V
java/lang/Thread <init>(Ljava/lang/Runnable;Ljava/lang/String;)V
java/lang/Thread <init>(Ljava/lang/ThreadGroup;Ljava/lang/Runnable;Ljava/lang/String;)V
java/lang/Thread <init>(Ljava/lang/ThreadGroup;Ljava/lang/Runnable;Ljava/lang/String;J)V
java/lang/Thread start()V
java/lang/Thread start0()V
java/lang/Thread run()V
java/lang/Thread exit()V
java/lang/Thread stop()V
java/lang/Thread stop(Ljava/lang/Throwable;)V
java/lang/Thread
interrupt()V
java/lang/Thread interrupted()Z
java/lang/Thread isInterrupted()Z
java/lang/Thread isInterrupted(Z)Z
java/lang/Thread destroy()V
java/lang/Thread isAlive()Z
java/lang/Thread suspend()V
java/lang/Thread resume()V
java/lang/Thread setPriority(I)V
java/lang/Thread getPriority()I
java/lang/Thread setName(Ljava/lang/String;)V
java/lang/Thread getName()Ljava/lang/String;
java/lang/Thread getThreadGroup()Ljava/lang/ThreadGroup;
java/lang/Thread activeCount()I
java/lang/Thread enumerate([Ljava/lang/Thread;)I
java/lang/Thread countStackFrames()I
java/lang/Thread join(J)V
java/lang/Thread join(JI)V
java/lang/Thread join()V

java/lang/Thread dumpStack()V
java/lang/Thread setDaemon(Z)V
java/lang/Thread isDaemon()Z
java/lang/Thread checkAccess()V
java/lang/Thread toString()Ljava/lang/String;
java/lang/Thread getContextClassLoader()Ljava/lang/ClassLoader;
java/lang/Thread setContextClassLoader(Ljava/lang/ClassLoader;)V
java/lang/Thread holdsLock(Ljava/lang/Object;)Z
java/lang/Thread
getStackTrace()[Ljava/lang/StackTraceElement;
java/lang/Thread getAllStackTraces()Ljava/util/Map;
java/lang/Thread isCCLOverridden(Ljava/lang/Class;)Z
java/lang/Thread auditSubclass(Ljava/lang/Class;)Z
java/lang/Thread dumpThreads([Ljava/lang/Thread;)[[Ljava/lang/StackTraceElement;
java/lang/Thread getThreads()[Ljava/lang/Thread;
java/lang/Thread getId()J
java/lang/Thread getState()Ljava/lang/Thread$State;
java/lang/Thread setDefaultUncaughtExceptionHandler(Ljava/lang/Thread$UncaughtExceptionHandler;)V
java/lang/Thread getDefaultUncaughtExceptionHandler()Ljava/lang/Thread$UncaughtExceptionHandler;
java/lang/Thread getUncaughtExceptionHandler()Ljava/lang/Thread$UncaughtExceptionHandler;
java/lang/Thread setUncaughtExceptionHandler(Ljava/lang/Thread$UncaughtExceptionHandler;)V
java/lang/Thread dispatchUncaughtException(Ljava/lang/Throwable;)V
java/lang/Thread setPriority0(I)V
java/lang/Thread stop0(Ljava/lang/Object;)V
java/lang/Thread suspend0()V
java/lang/Thread resume0()V
java/lang/Thread
interrupt0()V
java/lang/Thread <clinit>()V
class java/lang/Runnable java/lang/Object
java/lang/Runnable run()V
class java/lang/ref/Finalizer java/lang/ref/FinalReference
java/lang/ref/Finalizer queue
java/lang/ref/Finalizer unfinalized
java/lang/ref/Finalizer lock
java/lang/ref/Finalizer next
java/lang/ref/Finalizer prev
java/lang/ref/Finalizer invokeFinalizeMethod(Ljava/lang/Object;)V
java/lang/ref/Finalizer hasBeenFinalized()Z
java/lang/ref/Finalizer add()V
java/lang/ref/Finalizer remove()V
java/lang/ref/Finalizer <init>(Ljava/lang/Object;)V
java/lang/ref/Finalizer register(Ljava/lang/Object;)V
java/lang/ref/Finalizer runFinalizer()V
java/lang/ref/Finalizer forkSecondaryFinalizer(Ljava/lang/Runnable;)V
java/lang/ref/Finalizer runFinalization()V
java/lang/ref/Finalizer runAllFinalizers()V
java/lang/ref/Finalizer access$000()Ljava/lang/ref/ReferenceQueue;

java/lang/ref/Finalizer access$100(Ljava/lang/ref/Finalizer;)V
java/lang/ref/Finalizer access$200()Ljava/lang/Object;
java/lang/ref/Finalizer
 access$300()Ljava/lang/ref/Finalizer;
java/lang/ref/Finalizer access$302(Ljava/lang/ref/Finalizer;)Ljava/lang/ref/Finalizer;
java/lang/ref/Finalizer access$400(Ljava/lang/ref/Finalizer;)Ljava/lang/ref/Finalizer;
java/lang/ref/Finalizer <clinit>()V
class java/lang/ref/PhantomReference java/lang/ref/Reference
java/lang/ref/PhantomReference get()Ljava/lang/Object;
java/lang/ref/PhantomReference <init>(Ljava/lang/Object;Ljava/lang/ref/ReferenceQueue;)V
class java/lang/ref/FinalReference java/lang/ref/Reference
java/lang/ref/FinalReference <init>(Ljava/lang/Object;Ljava/lang/ref/ReferenceQueue;)V
class java/lang/ref/WeakReference java/lang/ref/Reference
java/lang/ref/WeakReference <init>(Ljava/lang/Object;)V
java/lang/ref/WeakReference <init>(Ljava/lang/Object;Ljava/lang/ref/ReferenceQueue;)V
class java/lang/ref/SoftReference java/lang/ref/Reference
java/lang/ref/SoftReference clock
java/lang/ref/SoftReference timestamp
java/lang/ref/SoftReference <init>(Ljava/lang/Object;)V
java/lang/ref/SoftReference
 <init>(Ljava/lang/Object;Ljava/lang/ref/ReferenceQueue;)V
java/lang/ref/SoftReference get()Ljava/lang/Object;
class java/lang/ref/Reference java/lang/Object
java/lang/ref/Reference referent
java/lang/ref/Reference queue
java/lang/ref/Reference next
java/lang/ref/Reference discovered
java/lang/ref/Reference lock
java/lang/ref/Reference pending
java/lang/ref/Reference get()Ljava/lang/Object;
java/lang/ref/Reference clear()V
java/lang/ref/Reference isEnqueued()Z
java/lang/ref/Reference enqueue()Z
java/lang/ref/Reference <init>(Ljava/lang/Object;)V
java/lang/ref/Reference <init>(Ljava/lang/Object;Ljava/lang/ref/ReferenceQueue;)V
java/lang/ref/Reference access$100()Ljava/lang/ref/Reference$Lock;
java/lang/ref/Reference access$200()Ljava/lang/ref/Reference;
java/lang/ref/Reference access$202(Ljava/lang/ref/Reference;)Ljava/lang/ref/Reference;
java/lang/ref/Reference <clinit>()V
class java/lang/StackOverflowError java/lang/VirtualMachineError
java/lang/StackOverflowError
 <init>()V
java/lang/StackOverflowError <init>(Ljava/lang/String;)V
class java/lang/OutOfMemoryError java/lang/VirtualMachineError
java/lang/OutOfMemoryError <init>()V
java/lang/OutOfMemoryError <init>(Ljava/lang/String;)V
class java/lang/VirtualMachineError java/lang/Error
java/lang/VirtualMachineError <init>()V

java/lang/VirtualMachineError <init>(Ljava/lang/String;)V
class java/lang/ArrayStoreException java/lang/RuntimeException
java/lang/ArrayStoreException <init>()V
java/lang/ArrayStoreException <init>(Ljava/lang/String;)V
class java/lang/ClassCastException java/lang/RuntimeException
java/lang/ClassCastException <init>()V
java/lang/ClassCastException <init>(Ljava/lang/String;)V
class java/lang/NoClassDefFoundError java/lang/LinkageError
java/lang/NoClassDefFoundError <init>()V
java/lang/NoClassDefFoundError <init>(Ljava/lang/String;)V
class java/lang/LinkageError java/lang/Error
java/lang/LinkageError <init>()V
java/lang/LinkageError <init>(Ljava/lang/String;)V
class
java/lang/ClassNotFoundException java/lang/Exception
java/lang/ClassNotFoundException serialVersionUID
java/lang/ClassNotFoundException ex
java/lang/ClassNotFoundException <init>()V
java/lang/ClassNotFoundException <init>(Ljava/lang/String;)V
java/lang/ClassNotFoundException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/ClassNotFoundException getException()Ljava/lang/Throwable;
java/lang/ClassNotFoundException getCause()Ljava/lang/Throwable;
class java/security/AccessControlContext java/lang/Object
java/security/AccessControlContext context
java/security/AccessControlContext isPrivileged
java/security/AccessControlContext privilegedContext
java/security/AccessControlContext combiner
java/security/AccessControlContext debugInit
java/security/AccessControlContext debug
java/security/AccessControlContext getDebug()Lsun/security/util/Debug;
java/security/AccessControlContext <init>([Ljava/security/ProtectionDomain;)V
java/security/AccessControlContext
<init>(Ljava/security/AccessControlContext;Ljava/security/DomainCombiner;)V
java/security/AccessControlContext
<init>([Ljava/security/ProtectionDomain;Z)V
java/security/AccessControlContext isPrivileged()Z
java/security/AccessControlContext getDomainCombiner()Ljava/security/DomainCombiner;
java/security/AccessControlContext checkPermission(Ljava/security/Permission;)V
java/security/AccessControlContext optimize()Ljava/security/AccessControlContext;
java/security/AccessControlContext
goCombiner([Ljava/security/ProtectionDomain;Ljava/security/AccessControlContext;)Ljava/security/AccessContro
lContext;
java/security/AccessControlContext equals(Ljava/lang/Object;)Z
java/security/AccessControlContext containsAllPDs(Ljava/security/AccessControlContext;)Z
java/security/AccessControlContext hashCode()I
java/security/AccessControlContext <clinit>()V
class java/security/ProtectionDomain java/lang/Object
java/security/ProtectionDomain codesource

java/security/ProtectionDomain classloader
java/security/ProtectionDomain
principals
java/security/ProtectionDomain permissions
java/security/ProtectionDomain staticPermissions
java/security/ProtectionDomain debug
java/security/ProtectionDomain <init>(Ljava/security/CodeSource;Ljava/security/PermissionCollection;)V
java/security/ProtectionDomain
<init>(Ljava/security/CodeSource;Ljava/security/PermissionCollection;Ljava/lang/ClassLoader;[Ljava/security/Principal;)V
java/security/ProtectionDomain getCodeSource()Ljava/security/CodeSource;
java/security/ProtectionDomain getClassLoader()Ljava/lang/ClassLoader;
java/security/ProtectionDomain getPrincipals()[Ljava/security/Principal;
java/security/ProtectionDomain getPermissions()Ljava/security/PermissionCollection;
java/security/ProtectionDomain implies(Ljava/security/Permission;)Z
java/security/ProtectionDomain toString()Ljava/lang/String;
java/security/ProtectionDomain seeAllp()Z
java/security/ProtectionDomain mergePermissions()Ljava/security/PermissionCollection;
java/security/ProtectionDomain <clinit>()V
class
java/lang/RuntimeException java/lang/Exception
java/lang/RuntimeException serialVersionUID
java/lang/RuntimeException <init>()V
java/lang/RuntimeException <init>(Ljava/lang/String;)V
java/lang/RuntimeException <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/RuntimeException <init>(Ljava/lang/Throwable;)V
class java/lang/Exception java/lang/Throwable
java/lang/Exception serialVersionUID
java/lang/Exception <init>()V
java/lang/Exception <init>(Ljava/lang/String;)V
java/lang/Exception <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/Exception <init>(Ljava/lang/Throwable;)V
class java/lang/ThreadDeath java/lang/Error
java/lang/ThreadDeath <init>()V
class java/lang/Error java/lang/Throwable
java/lang/Error serialVersionUID
java/lang/Error <init>()V
java/lang/Error <init>(Ljava/lang/String;)V
java/lang/Error <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/Error <init>(Ljava/lang/Throwable;)V
class java/lang/Throwable java/lang/Object
java/lang/Throwable serialVersionUID
java/lang/Throwable
backtrace
java/lang/Throwable detailMessage
java/lang/Throwable cause
java/lang/Throwable stackTrace
java/lang/Throwable <init>()V

java/lang/Throwable <init>(Ljava/lang/String;)V
java/lang/Throwable <init>(Ljava/lang/String;Ljava/lang/Throwable;)V
java/lang/Throwable <init>(Ljava/lang/Throwable;)V
java/lang/Throwable getMessage()Ljava/lang/String;
java/lang/Throwable getLocalizedMessage()Ljava/lang/String;
java/lang/Throwable getCause()Ljava/lang/Throwable;
java/lang/Throwable initCause(Ljava/lang/Throwable;)Ljava/lang/Throwable;
java/lang/Throwable toString()Ljava/lang/String;
java/lang/Throwable printStackTrace()V
java/lang/Throwable printStackTrace(Ljava/io/PrintStream;)V
java/lang/Throwable printStackTraceAsCause(Ljava/io/PrintStream;[Ljava/lang/StackTraceElement;)V
java/lang/Throwable printStackTrace(Ljava/io/PrintWriter;)V
java/lang/Throwable printStackTraceAsCause(Ljava/io/PrintWriter;[Ljava/lang/StackTraceElement;)V
java/lang/Throwable fillInStackTrace()Ljava/lang/Throwable;
java/lang/Throwable
getStackTrace()[Ljava/lang/StackTraceElement;
java/lang/Throwable getOurStackTrace()[Ljava/lang/StackTraceElement;
java/lang/Throwable setStackTrace([Ljava/lang/StackTraceElement;)V
java/lang/Throwable getStackTraceDepth()I
java/lang/Throwable getStackTraceElement(I)Ljava/lang/StackTraceElement;
java/lang/Throwable writeObject(Ljava/io/ObjectOutputStream;)V
class java/lang/System java/lang/Object
java/lang/System in
java/lang/System out
java/lang/System err
java/lang/System security
java/lang/System props
java/lang/System registerNatives()V
java/lang/System <init>()V
java/lang/System setIn(Ljava/io/InputStream;)V
java/lang/System setOut(Ljava/io/PrintStream;)V
java/lang/System setErr(Ljava/io/PrintStream;)V
java/lang/System inheritedChannel()Ljava/nio/channels/Channel;
java/lang/System checkIO()V
java/lang/System setIn0(Ljava/io/InputStream;)V
java/lang/System setOut0(Ljava/io/PrintStream;)V
java/lang/System setErr0(Ljava/io/PrintStream;)V
java/lang/System
setSecurityManager(Ljava/lang/SecurityManager;)V
java/lang/System setSecurityManager0(Ljava/lang/SecurityManager;)V
java/lang/System getSecurityManager()Ljava/lang/SecurityManager;
java/lang/System currentTimeMillis()J
java/lang/System nanoTime()J
java/lang/System arraycopy(Ljava/lang/Object;ILjava/lang/Object;II)V
java/lang/System identityHashCode(Ljava/lang/Object;)I
java/lang/System initProperties(Ljava/util/Properties;)Ljava/util/Properties;
java/lang/System getProperties()Ljava/util/Properties;
java/lang/System setProperties(Ljava/util/Properties;)V

java/lang/System getProperty(Ljava/lang/String;)Ljava/lang/String;
java/lang/System getProperty(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/lang/System setProperty(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/lang/System clearProperty(Ljava/lang/String;)Ljava/lang/String;
java/lang/System checkKey(Ljava/lang/String;)V
java/lang/System getenv(Ljava/lang/String;)Ljava/lang/String;
java/lang/System
getenv()Ljava/util/Map;
java/lang/System exit(I)V
java/lang/System gc()V
java/lang/System runFinalization()V
java/lang/System runFinalizersOnExit(Z)V
java/lang/System load(Ljava/lang/String;)V
java/lang/System loadLibrary(Ljava/lang/String;)V
java/lang/System mapLibraryName(Ljava/lang/String;)Ljava/lang/String;
java/lang/System nullInputStream()Ljava/io/InputStream;
java/lang/System nullPrintStream()Ljava/io/PrintStream;
java/lang/System initializeSystemClass()V
java/lang/System getCallerClass()Ljava/lang/Class;
java/lang/System <clinit>()V
class java/lang/ClassLoader java/lang/Object
java/lang/ClassLoader initialized
java/lang/ClassLoader parent
java/lang/ClassLoader package2certs
java/lang/ClassLoader nocerts
java/lang/ClassLoader classes
java/lang/ClassLoader domains
java/lang/ClassLoader packages
java/lang/ClassLoader bootstrapClassPath
java/lang/ClassLoader scl
java/lang/ClassLoader sclSet
java/lang/ClassLoader defaultDomain
java/lang/ClassLoader loadedLibraryNames
java/lang/ClassLoader
systemNativeLibraries
java/lang/ClassLoader nativeLibraries
java/lang/ClassLoader nativeLibraryContext
java/lang/ClassLoader usr_paths
java/lang/ClassLoader sys_paths
java/lang/ClassLoader defaultAssertionStatus
java/lang/ClassLoader packageAssertionStatus
java/lang/ClassLoader classAssertionStatus
java/lang/ClassLoader registerNatives()V
java/lang/ClassLoader addClass(Ljava/lang/Class;)V
java/lang/ClassLoader <init>(Ljava/lang/ClassLoader;)V
java/lang/ClassLoader <init>()V
java/lang/ClassLoader loadClass(Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader loadClass(Ljava/lang/String;Z)Ljava/lang/Class;

java/lang/ClassLoader loadClassInternal(Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader checkPackageAccess(Ljava/lang/Class;Ljava/security/ProtectionDomain;)V
java/lang/ClassLoader findClass(Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader defineClass([BII)Ljava/lang/Class;
java/lang/ClassLoader defineClass(Ljava/lang/String;[BII)Ljava/lang/Class;
java/lang/ClassLoader
preDefineClass(Ljava/lang/String;Ljava/security/ProtectionDomain;)Ljava/security/ProtectionDomain;
java/lang/ClassLoader defineClassSourceLocation(Ljava/security/ProtectionDomain;)Ljava/lang/String;
java/lang/ClassLoader
defineTransformedClass(Ljava/lang/String;[BIILjava/security/ProtectionDomain;Ljava/lang/ClassFormatError;Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader postDefineClass(Ljava/lang/Class;Ljava/security/ProtectionDomain;)V
java/lang/ClassLoader defineClass(Ljava/lang/String;[BIILjava/security/ProtectionDomain;)Ljava/lang/Class;
java/lang/ClassLoader
defineClass(Ljava/lang/String;Ljava/nio/ByteBuffer;Ljava/security/ProtectionDomain;)Ljava/lang/Class;
java/lang/ClassLoader defineClass0(Ljava/lang/String;[BIILjava/security/ProtectionDomain;)Ljava/lang/Class;
java/lang/ClassLoader
defineClass1(Ljava/lang/String;[BIILjava/security/ProtectionDomain;Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader
defineClass2(Ljava/lang/String;Ljava/nio/ByteBuffer;IILjava/security/ProtectionDomain;Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader
checkName(Ljava/lang/String;)Z
java/lang/ClassLoader checkCerts(Ljava/lang/String;Ljava/security/CodeSource;)V
java/lang/ClassLoader compareCerts([Ljava/security/cert/Certificate;[Ljava/security/cert/Certificate;)Z
java/lang/ClassLoader resolveClass(Ljava/lang/Class;)V
java/lang/ClassLoader resolveClass0(Ljava/lang/Class;)V
java/lang/ClassLoader findSystemClass(Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader findBootstrapClass0(Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader findBootstrapClass(Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader check()V
java/lang/ClassLoader findLoadedClass(Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader findLoadedClass0(Ljava/lang/String;)Ljava/lang/Class;
java/lang/ClassLoader setSigners(Ljava/lang/Class;[Ljava/lang/Object;)V
java/lang/ClassLoader getResource(Ljava/lang/String;)Ljava/net/URL;
java/lang/ClassLoader
getResources(Ljava/lang/String;)Ljava/util/Enumeration;
java/lang/ClassLoader findResource(Ljava/lang/String;)Ljava/net/URL;
java/lang/ClassLoader findResources(Ljava/lang/String;)Ljava/util/Enumeration;
java/lang/ClassLoader getSystemResource(Ljava/lang/String;)Ljava/net/URL;
java/lang/ClassLoader getSystemResources(Ljava/lang/String;)Ljava/util/Enumeration;
java/lang/ClassLoader getBootstrapResource(Ljava/lang/String;)Ljava/net/URL;
java/lang/ClassLoader getBootstrapResources(Ljava/lang/String;)Ljava/util/Enumeration;
java/lang/ClassLoader getBootstrapClassPath()Lsun/misc/URLClassPath;
java/lang/ClassLoader getResourceAsStream(Ljava/lang/String;)Ljava/io/InputStream;
java/lang/ClassLoader getSystemResourceAsStream(Ljava/lang/String;)Ljava/io/InputStream;
java/lang/ClassLoader getParent()Ljava/lang/ClassLoader;
java/lang/ClassLoader getSystemClassLoader()Ljava/lang/ClassLoader;

java/lang/ClassLoader initSystemClassLoader()V
java/lang/ClassLoader isAncestor(Ljava/lang/ClassLoader;)Z
java/lang/ClassLoader
getCallerClassLoader()Ljava/lang/ClassLoader;
java/lang/ClassLoader
definePackage(Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;Ljava/net/URL;)Ljava/lang/Package;
java/lang/ClassLoader getPackage(Ljava/lang/String;)Ljava/lang/Package;
java/lang/ClassLoader getPackages()[Ljava/lang/Package;
java/lang/ClassLoader findLibrary(Ljava/lang/String;)Ljava/lang/String;
java/lang/ClassLoader getDefaultDomain()Ljava/security/ProtectionDomain;
java/lang/ClassLoader initializePath(Ljava/lang/String;)[Ljava/lang/String;
java/lang/ClassLoader loadLibrary(Ljava/lang/Class;Ljava/lang/String;Z)V
java/lang/ClassLoader loadLibrary0(Ljava/lang/Class;Ljava/io/File;)Z
java/lang/ClassLoader findNative(Ljava/lang/ClassLoader;Ljava/lang/String;)J
java/lang/ClassLoader setDefaultAssertionStatus(Z)V
java/lang/ClassLoader setPackageAssertionStatus(Ljava/lang/String;Z)V
java/lang/ClassLoader setClassAssertionStatus(Ljava/lang/String;Z)V
java/lang/ClassLoader
clearAssertionStatus()V
java/lang/ClassLoader desiredAssertionStatus(Ljava/lang/String;)Z
java/lang/ClassLoader initializeJavaAssertionMaps()V
java/lang/ClassLoader retrieveDirectives()Ljava/lang/AssertionStatusDirectives;
java/lang/ClassLoader access$000()Ljava/util/Vector;
java/lang/ClassLoader access$100()Ljava/util/Stack;
java/lang/ClassLoader <clinit>()V
class java/lang/Cloneable java/lang/Object
class java/lang/Class java/lang/Object
java/lang/Class ANNOTATION
java/lang/Class ENUM
java/lang/Class SYNTHETIC
java/lang/Class cachedConstructor
java/lang/Class newInstanceCallerCache
java/lang/Class name
java/lang/Class allPermDomain
java/lang/Class useCaches
java/lang/Class declaredFields
java/lang/Class publicFields
java/lang/Class declaredMethods
java/lang/Class publicMethods
java/lang/Class declaredConstructors
java/lang/Class publicConstructors
java/lang/Class declaredPublicFields
java/lang/Class declaredPublicMethods
java/lang/Class
classRedefinedCount
java/lang/Class lastRedefinedCount
java/lang/Class genericInfo

java/lang/Class serialVersionUID
java/lang/Class serialPersistentFields
java/lang/Class reflectionFactory
java/lang/Class initted
java/lang/Class enumConstants
java/lang/Class enumConstantDirectory
java/lang/Class EMPTY_ANNOTATIONS_ARRAY
java/lang/Class annotations
java/lang/Class declaredAnnotations
java/lang/Class annotationType
java/lang/Class registerNatives()V
java/lang/Class <init>()V
java/lang/Class toString()Ljava/lang/String;
java/lang/Class forName(Ljava/lang/String;)Ljava/lang/Class;
java/lang/Class forName(Ljava/lang/String;ZLjava/lang/ClassLoader;)Ljava/lang/Class;
java/lang/Class forName0(Ljava/lang/String;ZLjava/lang/ClassLoader;)Ljava/lang/Class;
java/lang/Class newInstance()Ljava/lang/Object;
java/lang/Class newInstance0()Ljava/lang/Object;
java/lang/Class isInstance(Ljava/lang/Object;)Z
java/lang/Class isAssignableFrom(Ljava/lang/Class;)Z
java/lang/Class isInterface()Z
java/lang/Class
isArray()Z
java/lang/Class isPrimitive()Z
java/lang/Class isAnnotation()Z
java/lang/Class isSynthetic()Z
java/lang/Class getName()Ljava/lang/String;
java/lang/Class getName0()Ljava/lang/String;
java/lang/Class getClassLoader()Ljava/lang/ClassLoader;
java/lang/Class getClassLoader0()Ljava/lang/ClassLoader;
java/lang/Class getTypeParameters()[Ljava/lang/reflect/TypeVariable;
java/lang/Class getSuperclass()Ljava/lang/Class;
java/lang/Class getGenericSuperclass()Ljava/lang/reflect/Type;
java/lang/Class getPackage()Ljava/lang/Package;
java/lang/Class getInterfaces()[Ljava/lang/Class;
java/lang/Class getGenericInterfaces()[Ljava/lang/reflect/Type;
java/lang/Class getComponentType()Ljava/lang/Class;
java/lang/Class getModifiers()I
java/lang/Class getSigners()[Ljava/lang/Object;
java/lang/Class setSigners([Ljava/lang/Object;)V
java/lang/Class getEnclosingMethod()Ljava/lang/reflect/Method;
java/lang/Class getEnclosingMethod0()[Ljava/lang/Object;
java/lang/Class getEnclosingMethodInfo()Ljava/lang/Class$EnclosingMethodInfo;
java/lang/Class
toClass(Ljava/lang/reflect/Type;)Ljava/lang/Class;
java/lang/Class getEnclosingConstructor()Ljava/lang/reflect/Constructor;
java/lang/Class getDeclaringClass()Ljava/lang/Class;
java/lang/Class getEnclosingClass()Ljava/lang/Class;

java/lang/Class getSimpleName()Ljava/lang/String;
java/lang/Class isAsciiDigit(C)Z
java/lang/Class getCanonicalName()Ljava/lang/String;
java/lang/Class isAnonymousClass()Z
java/lang/Class isLocalClass()Z
java/lang/Class isMemberClass()Z
java/lang/Class getSimpleBinaryName()Ljava/lang/String;
java/lang/Class isLocalOrAnonymousClass()Z
java/lang/Class getClasses()[Ljava/lang/Class;
java/lang/Class getFields()[Ljava/lang/reflect/Field;
java/lang/Class getMethods()[Ljava/lang/reflect/Method;
java/lang/Class getConstructors()[Ljava/lang/reflect/Constructor;
java/lang/Class getField(Ljava/lang/String;)Ljava/lang/reflect/Field;
java/lang/Class getMethod(Ljava/lang/String;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/lang/Class
getConstructor([Ljava/lang/Class;)Ljava/lang/reflect/Constructor;
java/lang/Class getDeclaredClasses()[Ljava/lang/Class;
java/lang/Class getDeclaredFields()[Ljava/lang/reflect/Field;
java/lang/Class getDeclaredMethods()[Ljava/lang/reflect/Method;
java/lang/Class getDeclaredConstructors()[Ljava/lang/reflect/Constructor;
java/lang/Class getDeclaredField(Ljava/lang/String;)Ljava/lang/reflect/Field;
java/lang/Class getDeclaredMethod(Ljava/lang/String;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/lang/Class getDeclaredConstructor([Ljava/lang/Class;)Ljava/lang/reflect/Constructor;
java/lang/Class getResourceAsStream(Ljava/lang/String;)Ljava/io/InputStream;
java/lang/Class getResource(Ljava/lang/String;)Ljava/net/URL;
java/lang/Class getProtectionDomain()Ljava/security/ProtectionDomain;
java/lang/Class getProtectionDomain0()Ljava/security/ProtectionDomain;
java/lang/Class setProtectionDomain0(Ljava/security/ProtectionDomain;)V
java/lang/Class getPrimitiveClass(Ljava/lang/String;)Ljava/lang/Class;
java/lang/Class
checkMemberAccess(ILjava/lang/ClassLoader;)V
java/lang/Class resolveName(Ljava/lang/String;)Ljava/lang/String;
java/lang/Class clearCachesOnClassRedefinition()V
java/lang/Class getGenericSignature()Ljava/lang/String;
java/lang/Class getFactory()Lsun/reflect/generics/factory/GenericsFactory;
java/lang/Class getGenericInfo()Lsun/reflect/generics/repository/ClassRepository;
java/lang/Class getRawAnnotations()[B
java/lang/Class getConstantPool()Lsun/reflect/ConstantPool;
java/lang/Class privateGetDeclaredFields(Z)[Ljava/lang/reflect/Field;
java/lang/Class privateGetPublicFields(Ljava/util/Set;)[Ljava/lang/reflect/Field;
java/lang/Class addAll(Ljava/util/Collection;[Ljava/lang/reflect/Field;)V
java/lang/Class privateGetDeclaredConstructors(Z)[Ljava/lang/reflect/Constructor;
java/lang/Class privateGetDeclaredMethods(Z)[Ljava/lang/reflect/Method;
java/lang/Class privateGetPublicMethods()[Ljava/lang/reflect/Method;
java/lang/Class searchFields([Ljava/lang/reflect/Field;Ljava/lang/String;)Ljava/lang/reflect/Field;
java/lang/Class
getField0(Ljava/lang/String;)Ljava/lang/reflect/Field;
java/lang/Class

searchMethods([Ljava/lang/reflect/Method;Ljava/lang/String;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/lang/Class getMethod0(Ljava/lang/String;[Ljava/lang/Class;)Ljava/lang/reflect/Method;
java/lang/Class getConstructor0([Ljava/lang/Class;I)Ljava/lang/reflect/Constructor;
java/lang/Class arrayContentsEq([Ljava/lang/Object;[Ljava/lang/Object;)Z
java/lang/Class copyFields([Ljava/lang/reflect/Field;)[Ljava/lang/reflect/Field;
java/lang/Class copyMethods([Ljava/lang/reflect/Method;)[Ljava/lang/reflect/Method;
java/lang/Class copyConstructors([Ljava/lang/reflect/Constructor;)[Ljava/lang/reflect/Constructor;
java/lang/Class getDeclaredFields0(Z)[Ljava/lang/reflect/Field;
java/lang/Class getDeclaredMethods0(Z)[Ljava/lang/reflect/Method;
java/lang/Class getDeclaredConstructors0(Z)[Ljava/lang/reflect/Constructor;
java/lang/Class getDeclaredClasses0()[Ljava/lang/Class;
java/lang/Class
 argumentTypesToString([Ljava/lang/Class;)Ljava/lang/String;
java/lang/Class desiredAssertionStatus()Z
java/lang/Class desiredAssertionStatus0(Ljava/lang/Class;)Z
java/lang/Class isEnum()Z
java/lang/Class getReflectionFactory()Lsun/reflect/ReflectionFactory;
java/lang/Class checkInitted()V
java/lang/Class getEnumConstants()[Ljava/lang/Object;
java/lang/Class enumConstantDirectory()Ljava/util/Map;
java/lang/Class cast(Ljava/lang/Object;)Ljava/lang/Object;
java/lang/Class asSubclass(Ljava/lang/Class;)Ljava/lang/Class;
java/lang/Class getAnnotation(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;
java/lang/Class isAnnotationPresent(Ljava/lang/Class;)Z
java/lang/Class getAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/Class getDeclaredAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/Class initAnnotationsIfNecessary()V
java/lang/Class setAnnotationType(Lsun/reflect/annotation/AnnotationType;)V
java/lang/Class getAnnotationType()Lsun/reflect/annotation/AnnotationType;
java/lang/Class
 access$100([Ljava/lang/Object;[Ljava/lang/Object;)Z
java/lang/Class access$202(Z)Z
java/lang/Class access$302(Z)Z
java/lang/Class <clinit>()V
class java/lang/reflect/AnnotatedElement java/lang/Object
java/lang/reflect/AnnotatedElement isAnnotationPresent(Ljava/lang/Class;)Z
java/lang/reflect/AnnotatedElement getAnnotation(Ljava/lang/Class;)Ljava/lang/annotation/Annotation;
java/lang/reflect/AnnotatedElement getAnnotations()[Ljava/lang/annotation/Annotation;
java/lang/reflect/AnnotatedElement getDeclaredAnnotations()[Ljava/lang/annotation/Annotation;
class java/lang/reflect/Type java/lang/Object
class java/lang/reflect/GenericDeclaration java/lang/Object
java/lang/reflect/GenericDeclaration getTypeParameters()[Ljava/lang/reflect/TypeVariable;
class java/lang/String java/lang/Object
java/lang/String value
java/lang/String offset
java/lang/String count
java/lang/String hash
java/lang/String serialVersionUID

java/lang/String
serialPersistentFields
java/lang/String CASE_INSENSITIVE_ORDER
java/lang/String <init>()V
java/lang/String <init>(Ljava/lang/String;)V
java/lang/String <init>([C)V
java/lang/String <init>([CII)V
java/lang/String <init>([III)V
java/lang/String <init>([BIII)V
java/lang/String <init>([BI)V
java/lang/String checkBounds([BII)V
java/lang/String <init>([BIILjava/lang/String;)V
java/lang/String <init>([BLjava/lang/String;)V
java/lang/String <init>([BII)V
java/lang/String <init>([B)V
java/lang/String <init>(Ljava/lang/StringBuffer;)V
java/lang/String <init>(Ljava/lang/StringBuilder;)V
java/lang/String <init>(II[C)V
java/lang/String length()I
java/lang/String charAt(I)C
java/lang/String codePointAt(I)I
java/lang/String codePointBefore(I)I
java/lang/String codePointCount(II)I
java/lang/String offsetByCodePoints(II)I
java/lang/String getChars([CI)V
java/lang/String getChars(II[CI)V
java/lang/String getBytes(II[BI)V
java/lang/String getBytes(Ljava/lang/String;)[B
java/lang/String getBytes()[B
java/lang/String
equals(Ljava/lang/Object;)Z
java/lang/String contentEquals(Ljava/lang/StringBuffer;)Z
java/lang/String contentEquals(Ljava/lang/CharSequence;)Z
java/lang/String equalsIgnoreCase(Ljava/lang/String;)Z
java/lang/String compareTo(Ljava/lang/String;)I
java/lang/String compareToIgnoreCase(Ljava/lang/String;)I
java/lang/String regionMatches(ILjava/lang/String;II)Z
java/lang/String regionMatches(ZILjava/lang/String;II)Z
java/lang/String startsWith(Ljava/lang/String;I)Z
java/lang/String startsWith(Ljava/lang/String;)Z
java/lang/String endsWith(Ljava/lang/String;)Z
java/lang/String hashCode()I
java/lang/String indexOf(I)I
java/lang/String indexOf(II)I
java/lang/String lastIndexOf(I)I
java/lang/String lastIndexOf(II)I
java/lang/String indexOf(Ljava/lang/String;)I
java/lang/String indexOf(Ljava/lang/String;I)I

java/lang/String indexOf([CII[CIII)I
java/lang/String lastIndexOf(Ljava/lang/String;)I
java/lang/String lastIndexOf(Ljava/lang/String;I)I
java/lang/String lastIndexOf([CII[CIII)I
java/lang/String
 substring(I)Ljava/lang/String;
java/lang/String substring(II)Ljava/lang/String;
java/lang/String subSequence(II)Ljava/lang/CharSequence;
java/lang/String concat(Ljava/lang/String;)Ljava/lang/String;
java/lang/String replace(CC)Ljava/lang/String;
java/lang/String matches(Ljava/lang/String;)Z
java/lang/String contains(Ljava/lang/CharSequence;)Z
java/lang/String replaceFirst(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/lang/String replaceAll(Ljava/lang/String;Ljava/lang/String;)Ljava/lang/String;
java/lang/String replace(Ljava/lang/CharSequence;Ljava/lang/CharSequence;)Ljava/lang/String;
java/lang/String split(Ljava/lang/String;I)[Ljava/lang/String;
java/lang/String split(Ljava/lang/String;)[Ljava/lang/String;
java/lang/String toLowerCase(Ljava/util/Locale;)Ljava/lang/String;
java/lang/String toLowerCase()Ljava/lang/String;
java/lang/String toUpperCase(Ljava/util/Locale;)Ljava/lang/String;
java/lang/String toUpperCase()Ljava/lang/String;
java/lang/String
 trim()Ljava/lang/String;
java/lang/String toString()Ljava/lang/String;
java/lang/String toCharArray()[C
java/lang/String format(Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String;
java/lang/String format(Ljava/util/Locale;Ljava/lang/String;[Ljava/lang/Object;)Ljava/lang/String;
java/lang/String valueOf(Ljava/lang/Object;)Ljava/lang/String;
java/lang/String valueOf([C)Ljava/lang/String;
java/lang/String valueOf([CII)Ljava/lang/String;
java/lang/String copyValueOf([CII)Ljava/lang/String;
java/lang/String copyValueOf([C)Ljava/lang/String;
java/lang/String valueOf(Z)Ljava/lang/String;
java/lang/String valueOf(C)Ljava/lang/String;
java/lang/String valueOf(I)Ljava/lang/String;
java/lang/String valueOf(J)Ljava/lang/String;
java/lang/String valueOf(F)Ljava/lang/String;
java/lang/String valueOf(D)Ljava/lang/String;
java/lang/String intern()Ljava/lang/String;
java/lang/String compareTo(Ljava/lang/Object;)I
java/lang/String <clinit>()V
class java/lang/CharSequence java/lang/Object
java/lang/CharSequence
 length()I
java/lang/CharSequence charAt(I)C
java/lang/CharSequence subSequence(II)Ljava/lang/CharSequence;
java/lang/CharSequence toString()Ljava/lang/String;
class java/lang/Comparable java/lang/Object

java/lang/Comparable compareTo(Ljava/lang/Object;)I
class java/io/Serializable java/lang/Object
class java/lang/Object null
java/lang/Object <init>()V
java/lang/Object registerNatives()V
java/lang/Object getClass()Ljava/lang/Class;
java/lang/Object hashCode()I
java/lang/Object equals(Ljava/lang/Object;)Z
java/lang/Object clone()Ljava/lang/Object;
java/lang/Object toString()Ljava/lang/String;
java/lang/Object notify()V
java/lang/Object notifyAll()V
java/lang/Object wait(J)V
java/lang/Object wait(JI)V
java/lang/Object wait()V
java/lang/Object finalize()V
java/lang/Object <clinit>()V

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* /asm-6-0-sources-11-jar/org/objectweb/asm/tools/jdk1-5-0-12-txt-gz/jdk1.5.0.12.txt
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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 fist 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-11-jar/org/objectweb/asm/util/ASMifiable.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/Textifiable.java
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* /asm-6-0-sources-11-jar/org/objectweb/asm/TypePath.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/TypeReference.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-11-jar/org/objectweb/asm/tree/ClassNode.java
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* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/Method.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/SimpleRemapper.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
*
 /asm-6-0-sources-11-jar/org/objectweb/asm/Item.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/LocalVariableNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/MethodWriter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/Handler.java

* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/CheckModuleAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/ClassRemapper.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/IincInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/MethodVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/InnerClassNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/AnnotationNode.java
*
 /asm-6-0-sources-11-jar/org/objectweb/asm/signature/SignatureReader.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/Opcodes.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/InstructionAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/CurrentFrame.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/Frame.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/ModuleNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/MethodRemapper.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/Type.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/ClassVisitor.java
*
 /asm-6-0-sources-11-jar/org/objectweb/asm/tree/LabelNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tools/ModuleInfoBndPlugin.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/Remapper.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/ModuleWriter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/ModuleResolutionAttribute.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/FieldNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/AnnotationWriter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/Attribute.java
*
 /asm-6-0-sources-11-jar/org/objectweb/asm/ClassReader.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/FrameNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/ModuleVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/ModuleRequireNode.java

* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/VarInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/ModuleHashesAttribute.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/ModuleRemapper.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/InsnList.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/InsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/FieldWriter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/signature/SignatureWriter.java
*
 /asm-6-0-sources-11-jar/org/objectweb/asm/tree/ParameterNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/TraceModuleVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/FieldRemapper.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/IntInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/TypeInsnNode.java
*
 /asm-6-0-sources-11-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/ModuleTargetAttribute.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/ByteVector.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/Label.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/ASMifier.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tools/Retrofitter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/Handle.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/AnnotationVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/SignatureRemapper.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
*
 /asm-6-0-sources-11-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/Frame.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/Value.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/Printer.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/LineNumberNode.java

* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/ModuleProvideNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/FieldVisitor.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/MethodNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/ModuleExportNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/util/CheckClassAdapter.java
*
/asm-6-0-sources-11-jar/org/objectweb/asm/Context.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/ModuleOpenNode.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/AnnotationRemapper.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/Edge.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/ClassWriter.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.
   */
```

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* /asm-6-0-sources-11-jar/org/objectweb/asm/commons/package.html
* /asm-6-0-sources-11-jar/org/objectweb/asm/package.html
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* /asm-6-0-sources-11-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/xml/SAXClassAdapter.java
*
/asm-6-0-sources-11-jar/org/objectweb/asm/xml/SAXModuleAdapter.java
* /asm-6-0-sources-11-jar/org/objectweb/asm/xml/SAXFieldAdapter.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#getInternalName() getInternalName}). May be
   *          <tt>null</tt>.
   * @throws IllegalStateException
   *           If a subclass calls this constructor.
   */
```

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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 {@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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*/
/**
      * Constructs a new {@link InputSlicingHandler SubdocumentHandler}
      * object.
      *
      * @param subdocumentRoot
      *          name/path to the root element of the subdocument
      * @param rootHandler
      *          content handler for the entire document (subdocument

     *          envelope).
      * @param subdocumentHandlerFactory
      *          a {@link ContentHandlerFactory ContentHandlerFactory} used
      *          to create {@link ContentHandler ContentHandler} instances
      *          for subdocuments.
      */
/**
      * Constructs a new {@link OutputSlicingHandler SubdocumentHandler}
      * object.
      *
      * @param subdocumentHandlerFactory
      *          a {@link ContentHandlerFactory ContentHandlerFactory} used
      *          to create {@link ContentHandler ContentHandler} instances
```

```
*           for subdocuments.
* @param entryElement
*           TODO.
* @param isXml
*           TODO.
*/
```

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1.499 idna 14.0.0

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1.504 urllib3 1.26.14

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1.505 runtime-spec 1.0.3-0.20210326190908-1c3f411f0417

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1.507 hibernate-validator 5.0.2.Final

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1.510 bouncycastle-fips 2.1.0

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* /simple-5-1-6-sources-jar/org/simpleframework/transport/connect/Connection.java
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* LeaseManager.java May 2004
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* /simple-5-1-6-sources-jar/org/simpleframework/util/lease/LeaseManager.java
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* Operation.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/reactor/Operation.java
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* SchedulerQueue.java February 2007
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* Consumer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/Consumer.java
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* ResponseEntity.java February 2001
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* /simple-5-1-6-sources-jar/org/simpleframework/http/core/ResponseEntity.java
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* Task.java February 2007
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* PrincipalParser.java February 2001
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/parse/PrincipalParser.java

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```
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* PacketAllocator.java February 2008
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* Action.java February 2007
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```
/*
* DateParser.java February 2001
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* /simple-5-1-6-sources-jar/org/simpleframework/http/parse/DateParser.java
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* SegmentConsumer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/SegmentConsumer.java
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* BodyConsumer.java February 2007
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* Parser.java February 2001
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* TransferException.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/core/TransferException.java
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* ValueParser.java September 2003
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* ActionQueue.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/reactor/ActionQueue.java
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* Acceptor.java October 2002
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* ConnectionException.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/connect/ConnectionException.java
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* HeaderConsumer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/HeaderConsumer.java
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* QueryParser.java December 2002
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* Daemon.java February 2009
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* LeaseException.java May 2004
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* /simple-5-1-6-sources-jar/org/simpleframework/http/ResponseWrapper.java
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* ListParser.java September 2003
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* Timer.java November 2012
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```

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* /simple-5-1-6-sources-jar/org/simpleframework/transport/Cursor.java
No license file was found, but licenses were detected in source scan.

```
/*
* Collector.java October 2002
```

```
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*/
```

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* /simple-5-1-6-sources-jar/org/simpleframework/http/core/Collector.java
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```
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* Status.java February 2007
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*/
```

Found in path(s):
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```
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* Channel.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/Channel.java
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* Listener.java October 2002
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/transport/connect/SocketListener.java
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* TransportEvent.java October 2012
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*/

Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/transport/TransportEvent.java
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* Handshake.java February 2007
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/transport/Handshake.java
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* ActionSet.java February 2013
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/reactor/ActionSet.java
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* Scheduler.java February 2007
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/util/thread/Scheduler.java
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* TransportSender.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/TransportSender.java
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* ResponseBuffer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/core/ResponseBuffer.java
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```
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* NegotiationCertificate.java June 2013
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/transport/NegotiationState.java
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* FileManager.java February 2008
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* /simple-5-1-6-sources-jar/org/simpleframework/util/buffer/FileManager.java
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* StatusLine.java February 2001
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Found in path(s):
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* ContainerServer.java February 2001
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/core/ContainerServer.java
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* PartSeries.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/PartSeries.java
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* Transport.java February 2007
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* Certificate.java June 2013
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* SocketWriter.java February 2008
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* ArrayConsumer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/ArrayConsumer.java
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* PartConsumer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/PartConsumer.java
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* LeaseProvider.java May 2004
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* Entry.java May 2004
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* EntityConsumer.java February 2007
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* Reader.java February 2001
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* ThreadBuilder.java February 2009
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Found in path(s):
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* ActionMap.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/PacketController.java
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* SocketController.java February 2008
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* BufferAllocator.java February 2001
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```

Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/transport/reactor/CancelAction.java
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```
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* PartBodyConsumer.java February 2007
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```

Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/message/PartBodyConsumer.java
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```
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* Part.java February 2007
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```

Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/Part.java
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* CertificateChallenge.java June 2013
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```

Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/transport/CertificateChallenge.java
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```
/*
* PartEntryConsumer.java February 2007
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/message/PartEntryConsumer.java
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* Expectation.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/Expectation.java
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* RequestCertificate.java June 2013
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/core/RequestCertificate.java
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* Dispatcher.java February 2007
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/core/Dispatcher.java
* /simple-5-1-6-sources-jar/org/simpleframework/transport/Dispatcher.java
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```
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* Cleaner.java May 2004
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* /simple-5-1-6-sources-jar/org/simpleframework/util/lease/Cleaner.java
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* Trace.java October 2012
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/trace/Trace.java
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* SocketAgent.java February 2012
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/connect/SocketAgent.java
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* Cookie.java February 2001
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* PoolExecutor.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/util/thread/PoolExecutor.java
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* DirectReactor.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/reactor/DirectReactor.java
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* Buffer.java February 2001
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* /simple-5-1-6-sources-jar/org/simpleframework/util/buffer/Buffer.java
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/*
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* BufferCompacter.java February 2008
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* Reactor.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/reactor/Reactor.java
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* TerminateException.java February 2007
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* ProcessorServer.java February 2007
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* Query.java February 2001
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* /simple-5-1-6-sources-jar/org/simpleframework/http/Query.java
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* Maintainer.java May 2004
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* /simple-5-1-6-sources-jar/org/simpleframework/util/lease/Maintainer.java
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* BufferWrapper.java February 2008
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/BufferWrapper.java
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* ContractQueue.java May 2004
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* Response.java February 2001
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* /simple-5-1-6-sources-jar/org/simpleframework/http/Response.java
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* Selector.java February 2007
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* Scheduler.java February 2008
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* PartHeaderConsumer.java February 2007
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* BufferAdapter.java February 2008
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/BufferAdapter.java
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* Terminator.java February 2009
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* FixedProducer.java February 2007
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* ContentConsumer.java February 2007
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* BufferBody.java February 2012
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* ContentTypeParser.java February 2001
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* LanguageParser.java February 2001
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* SecureTransport.java February 2007
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* ContainerEvent.java October 2012
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* /simple-5-1-6-sources-jar/org/simpleframework/http/core/ContainerEvent.java
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```
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* ConnectionEvent.java October 2012
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* SocketWrapper.java February 2001
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* ConsumerFactory.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/ConsumerFactory.java
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```
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* PartEntryFactory.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/PartEntryFactory.java
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* Packet.java February 2008
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* FileBuffer.java February 2008
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* /simple-5-1-6-sources-jar/org/simpleframework/util/buffer/FileBuffer.java
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* ProducerException.java February 2007
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* LeaseMap.java May 2004
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* ProducerFactory.java February 2007
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* Initiator.java February 2007
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* QueryBuilder.java October 2002
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* FixedConsumer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/util/parse/ParseBuffer.java
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* PacketWriter.java February 2008
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```
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* Conversation.java February 2007
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* EmptyInputStream.java October 2002
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* PathParser.java February 2001
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```

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* /simple-5-1-6-sources-jar/org/simpleframework/transport/BufferSegment.java
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```
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* Transfer.java February 2007
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```

Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/core/Transfer.java
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```
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* CookieParser.java February 2001
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* /simple-5-1-6-sources-jar/org/simpleframework/http/parse/CookieParser.java
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* LeaseCleaner.java May 2004
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* /simple-5-1-6-sources-jar/org/simpleframework/util/lease/LeaseCleaner.java
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* SocketListenerManager.java February 2007
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/transport/connect/SocketListenerManager.java
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* PacketManager.java October 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/PacketManager.java
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* ContainerProcessor.java February 2007
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Found in path(s):
* /simple-5-1-6-sources-jar/org/simpleframework/http/core/ContainerProcessor.java

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* UpdateConsumer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/UpdateConsumer.java
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* Sender.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/Sender.java
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```
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* Method.java May 2012
```

```
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* /simple-5-1-6-sources-jar/org/simpleframework/http/Method.java
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* Agent.java October 2012
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/trace/Agent.java
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* BufferRecycler.java February 2008
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* /simple-5-1-6-sources-jar/org/simpleframework/transport/BufferRecycler.java
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* ChunkedConsumer.java February 2007
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/ChunkedConsumer.java
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* Distributor.java February 2007
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* ActionDistributor.java February 2007
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* TransportSource.java February 2007
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* ResponseMessage.java February 2001
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* KeyMap.java May 2007
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* Container.java February 2001
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* MapParser.java February 2005
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* /simple-5-1-6-sources-jar/org/simpleframework/http/message/Message.java
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* Entity.java February 2007
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/*
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* Allocator.java February 2001
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1.522 pycryptodome 3.14.1

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1.527 django 3.2.23

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==========
Advice for new contributors
==========

New contributor and not sure what to do? Want to help but just don't know how
to get started? This is the section for you.

.. admonition:: Get up and running!

If you are new to contributing to Django, the :doc:`/intro/contributing`
tutorial will give you an introduction to the tools and the workflow.

This page contains more general advice on ways you can contribute to Django,
and how to approach that.

If you are looking for a reference on the details of making code contributions,
see the :doc:`/internals/contributing/writing-code/index` documentation.

First steps
==========

Start with these steps to discover Django's development process.

* **Triage tickets**

  If an `unreviewed ticket`_ reports a bug, try and reproduce it. If you
  can reproduce it and it seems valid, make a note that you confirmed the bug
  and accept the ticket. Make sure the ticket is filed under the correct
  component
  area. Consider writing a patch that adds a test for the bug's
  behavior, even if you don't fix the bug itself. See more at
  :ref:`how-can-i-help-with-triaging`

* **Look for tickets that are accepted and review patches to build familiarity
  with the codebase and the process**

  Mark the appropriate flags if a patch needs docs or tests. Look through the
  changes a patch makes, and keep an eye out for syntax that is incompatible
  with older but still supported versions of Python. :doc:`Run the tests
  </internals/contributing/writing-code/unit-tests>` and make sure they pass.
  Where possible and relevant, try them out on a database other than SQLite.
  Leave comments and feedback!

* **Keep old patches up to date**

  Oftentimes the codebase will change between a patch being submitted and the
  time it gets reviewed. Make sure it still applies cleanly and functions as
  expected. Updating a patch is both useful and important! See more on
  :doc:`writing-code/submitting-patches`.

*
  Write some documentation

  Django's documentation is great but it can always be improved. Did you find
  a typo? Do you think that something should be clarified? Go ahead and
  suggest a documentation patch! See also the guide on
  :doc:`writing-documentation`.

  .. note::

     The `reports page`_ contains links to many useful Trac queries, including
     several that are useful for triaging tickets and reviewing patches as
     suggested above.

     .. _reports page: https://code.djangoproject.com/wiki/Reports

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Guidelines
==========

As
 a newcomer on a large project, it's easy to experience frustration. Here's
some advice to make your work on Django more useful and rewarding.

* **Pick a subject area that you care about, that you are familiar with, or
  that you want to learn about**

  You don't already have to be an expert on the area you want to work on; you
  become an expert through your ongoing contributions to the code.

* **Analyze tickets' context and history**

  Trac isn't an absolute; the context is just as important as the words.
  When reading Trac, you need to take into account who says things, and when
  they were said. Support for an idea two years ago doesn't necessarily mean
  that the idea will still have support. You also need to pay attention to who
  hasn't spoken -- for example, if an experienced contributor hasn't been
  recently involved in a discussion, then a ticket may not have the support
  required to get into
  Django.

* **Start small**

  It's easier to get feedback on a little issue than on a big one. See the
  `easy pickings`_.

* **If you're going to engage in a big task, make sure that your idea has
  support first**

  This means getting someone else to confirm that a bug is real before you fix
  the issue, and ensuring that there's consensus on a proposed feature before
  you go implementing it.

* **Be bold! Leave feedback!**

  Sometimes it can be scary to put your opinion out to the world and say "this
  ticket is correct" or "this patch needs work", but it's the only way the
  project moves forward. The contributions of the broad Django community
  ultimately have a much greater impact than that of any one person. We can't
  do it without **you**!

* **Err on the side of caution when marking things Ready For Check-in**

  If you're really not certain if a ticket is ready, don't mark it as
  such. Leave a comment instead, letting others know your thoughts. If you're
  mostly certain,
  but not completely certain, you might also try asking on IRC
  to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**

  Focus on one or two tickets, see them through from start to finish, and
  repeat. The shotgun approach of taking on lots of tickets and letting some
  fall by the wayside ends up doing more harm than good.

* **Be rigorous**

  When we say ":pep:`8`, and must have docs and tests", we mean it. If a patch
  doesn't have docs and tests, there had better be a good reason. Arguments
  like "I couldn't find any existing tests of this feature" don't carry much
  weight--while it may be true, that means you have the extra-important job of
  writing the very first tests for that feature, not that you get a pass from
  writing tests altogether.

* **Be patient**

  It's not always easy for your ticket or your patch to be reviewed quickly.
  This isn't personal. There are a lot of tickets and pull requests to
  get
  through.

  Keeping your patch up to date is important. Review the ticket on Trac to
  ensure that the *Needs tests*, *Needs documentation*, and *Patch needs
  improvement* flags are unchecked once you've addressed all review comments.

  Remember that Django has an 8 month release cycle, so there's plenty of time
  for your patch to be reviewed.

  Finally, a well-timed reminder can help. See :ref:`contributing code FAQ
  <new-contributors-faq>` for ideas here.

.. _easy pickings: https://code.djangoproject.com/query?status=!closed&easy=1
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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

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
because its license has a choice of law clause. According to
CNRI, however, Stallman's lawyer
has told CNRI's lawyer that 1.6.1
is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
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1.530 idna 3.3

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1.531 xerces-j 2.7.1

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers.

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1.534 pwquality 1.4.4

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1.535 pep517 0.12.0

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1.536 distlib 0.3.6

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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 (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
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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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
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2.3	2.2.2	2002-2003	PSF	yes
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2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes

2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
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distlib has started off using some of the code from distutil2.

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1.539 tomli 2.0.1

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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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   * Creates a new JSRInliner. <i>Subclasses must not use this
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   * {@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.
   */
```

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* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/package.html
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/package.html
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* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/Method.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
*

/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/FieldWriter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/BasicValue.java
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* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/IntInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/LineNumberNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/AnnotationNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/Constant.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Context.java
*
/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/VarInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/ConstantPool.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Frame.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Type.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/InsnList.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Handler.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/InstructionAdapter.java
*
/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/Printer.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/FieldNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/ASMifier.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/AnnotationVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Edge.java
*
/asm-5-0-3-sources-2-jar/org/objectweb/asm/FieldVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/Frame.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/IincInsnNode.java

* /asm-5-0-3-sources-2-jar/org/objectweb/asm/MethodVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/ParameterNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Item.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/LocalVariableNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
*
/asm-5-0-3-sources-2-jar/org/objectweb/asm/Opcodes.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/TypeInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/MethodNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/NameMapping.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/InnerClassNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Attribute.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/Shrinker.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/util/CheckClassAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/SmallSet.java
*
/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/SimpleRemapper.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/ClassReader.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/ByteVector.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/AnnotationWriter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/FrameNode.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/InsnNode.java
*
/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Label.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/Handle.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/ClassWriter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/Interpreter.java

* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/Value.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/signature/SignatureReader.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/Remapper.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/MethodWriter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.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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*/
/**
   * 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-5-0-3-sources-2-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
   *          <tt>null</tt> if the annotation targets 'typeRef' as a whole.
   * @param start
   *          the fist 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-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/shrink-resize.properties
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
*
 /asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/shrink-signatures.properties
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* /asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/Processor.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/SAXClassAdapter.java
*
 /asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/SAXCodeAdapter.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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1.543 mnuralp-fileutils 0.5.1

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1.545 crs-client 0.6.0

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Jackson JSON processor

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1.546 log4j-slf4j-impl 2.17.1

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1.547 cachecontrol 0.12.10

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Metadata-Version: 2.1
Name: CacheControl
Version: 0.12.10
Summary: httplib2 caching for requests
Home-page: https://github.com/ionrock/cachecontrol
Author: Eric Larson
Author-email: eric@ionrock.org
License: UNKNOWN
Description: ..
SPDX-FileCopyrightText: SPDX-FileCopyrightText: 2015 Eric Larson

SPDX-License-Identifier: Apache-2.0

==========
CacheControl
==========

.. image:: https://img.shields.io/pypi/v/cachecontrol.svg
:target: https://pypi.python.org/pypi/cachecontrol
:alt: Latest Version

.. image:: https://travis-ci.org/ionrock/cachecontrol.png?branch=master
:target: https://travis-ci.org/ionrock/cachecontrol

CacheControl is a port of the caching algorithms in httplib2_ for use with
requests_ session object.

It was written because httplib2's
better support for caching is often
mitigated by its lack of thread safety. The same is true of requests in
terms of caching.

Quickstart
==========

.. code-block:: python

import requests

from cachecontrol import CacheControl

sess = requests.session()
cached_sess = CacheControl(sess)

response = cached_sess.get('http://google.com')

If the URL contains any caching based headers, it will cache the
result in a simple dictionary.

For more info, check out the docs_

.. _docs: http://cachecontrol.readthedocs.org/en/latest/
.. _httplib2: https://github.com/httplib2/httplib2
.. _requests: http://docs.python-requests.org/

Keywords: requests http caching web
Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Environment :: Web
Environment
Classifier: License :: OSI Approved :: Apache Software License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 3.6
Classifier: Programming Language :: Python :: 3.7
Classifier: Programming Language :: Python :: 3.8
Classifier: Programming Language :: Python :: 3.9
Classifier: Programming Language :: Python :: 3.10

Classifier: Topic :: Internet :: WWW/HTTP
Requires-Python: >=3.6
Provides-Extra: redis
Provides-Extra: filecache

Found in path(s):
* /cachecontrol-0-12-10-1-tar-gz/CacheControl-0.12.10/CacheControl.egg-info/PKG-INFO
* /cachecontrol-0-12-10-1-tar-gz/CacheControl-0.12.10/PKG-INFO

1.548 runc 1.1.12

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Other developers who have contributed code are:

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1.550 pytz 2022.1

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1.554 classmate 1.0.0

1.554.1 Available under license :

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

1.555 restlet 2.4.3

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*/
/** Indicates if the call is confidential. */
/**
   * Indicates
 if the confidentiality of the call is ensured (ex: via SSL).
   *
   * @return True if the confidentiality of the call is ensured (ex: via SSL).
   */
/**
   * Indicates if the confidentiality of the call is ensured (ex: via SSL).
   *
   * @param confidential
   *            True if the confidentiality of the call is ensured (ex: via
   *            SSL).
   */
```

Found in path(s):

* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/Call.java

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*/
/**
    * Indicates if the message was or will be exchanged
 confidentially, for
    * example via a SSL-secured connection.
    *
    * @return True if the message is confidential.
    */
```

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/Message.java
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*/
/**
    * Indicates if the call came over a confidential channel
 such as an
    * SSL-secured connection.
    *
    * @return True if the call came over a confidential channel.
    */
```

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperRequest.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperResponse.java
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*/
/**
* Optimized public-domain implementation of a Java alphanumeric
```

sort.
* <p>
*
* This implementation uses a single comparison pass over the characters in a
* CharSequence, and returns as soon as a differing character is found, unless
* the difference occurs in a series of numeric characters, in which case that
* series is followed to its end. Numeric series of equal length are compared
* numerically, that is, according to the most significant (leftmost) differing
* digit. Series of unequal length are compared by their length.
* <p>
*
* This implementation appears to be 2-5 times faster than alphanumeric
* comparators based based on substring analysis, with a lighter memory
* footprint.
* <p>
*
* This alphanumeric comparator has approximately 20%-50% the performance of the
* lexical String.compareTo() operation. Character sequences without numeric
* data are compared more quickly.
* <p>
*
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* http://creativecommons.org/licenses/publicdomain/
*
* @author Rob Heittman,
Solertium
*   Corporation
*/

Found in path(s):
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*/
/**
   * Indicates if this service is acting in HTTP or HTTPS
 mode.
   *
   * @param confidential
   *          True if this service is acting in HTTP or HTTPS mode.
   */
```

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/NetServerHelper.java
No license file was found, but licenses were detected in source scan.

```
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*/
/**
* Authorizer allowing only confidential calls. Confidential
 calls typically
* come through HTTPS server connectors.
*
```

* @author Jerome Louvel
*/

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/security/ConfidentialAuthorizer.java
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*/
/** The confidentiality. */
/**
   * Constructor.
   *
    * @param schemeName
   *   The scheme name.
   * @param name
   *   The unique name.
   * @param description
   *   The description.
   * @param defaultPort
   *   The default port.
   * @param confidential
   *   The confidentiality.
   */
/**
   * Indicates if the protocol guarantees the confidentially of the messages
   * exchanged, for example via a SSL-secured connection.

```
   *
   * @return True if the protocol is confidential.
   */
```

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Protocol.java
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* /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/MethodAnnotationInfo.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/StringUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/DigesterRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/AppendableRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/ZipClientHelper.java
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*/
/**
    * Indicates if the message was or will be exchanged
 confidentially, for
    * example via a SSL-secured connection.
    *
    * @return True if the message is confidential.
    * @see Request#isConfidential()
    */
```

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Resource.java
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```

```
* https://restlet.talend.com/
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*/
/**
    * Sets the reference comparator based on the more friendly
 "Alphanum
    * Algorithm" created by David Koelle. The internal implementation used is
    * based on an optimized public domain implementation provided by Rob
    * Heittman from the Solertium Corporation.
    *
    * @see <a href="http://www.davekoelle.com/alphanum.html">The original
    *      Alphanum Algorithm from David Koelle</a>
    * @see #setComparator(Comparator)
    */
```

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*/
/**
* Resolves a name into a value. By default, the {@link #createResolver(Map)}
 * static method can adapt a Java map into a resolver. Another useful method is
* {@link #createResolver(Request, Response)}, which can expose a Restlet call
* into a compact data model, with the following variables:
```

```
*
* <table>
* <tr>
* <th>Model property</th>
* <th>Variable name</th>
* <th>Content type</th>
* </tr>
* <tr>
* <td>request.confidential</td>
* <td>c</td>
* <td>boolean (true|false)</td>
* </tr>
* <tr>
* <td>request.clientInfo.address</td>
* <td>cia</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.clientInfo.upstreamAddress</td>
* <td>ciua</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.clientInfo.agent</td>
* <td>cig</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.challengeResponse.identifier</td>
* <td>cri</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.challengeResponse.scheme</td>
* <td>crs</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.date</td>
* <td>d</td>
* <td>Date (HTTP format)</td>
 * </tr>
* <tr>
* <td>request.entity.characterSet</td>
* <td>ecs</td>
* <td>String</td>
* </tr>
* <tr>
```

* <td>response.entity.characterSet</td>
* <td>ECS</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.encoding</td>
* <td>ee</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.encoding</td>
* <td>EE</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.expirationDate</td>
* <td>eed</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>response.entity.expirationDate</td>
* <td>EED</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>request.entity.language</td>
* <td>el</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.language</td>
* <td>EL</td>
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* <tr>
* <td>request.entity.modificationDate</td>
* <td>emd</td>
* <td>Date (HTTP format)</td>
* </tr>
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* <td>response.entity.modificationDate</td>
* <td>EMD</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>request.entity.mediaType</td>
 * <td>emt</td>
* <td>String</td>

* </tr>
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* <td>response.entity.mediaType</td>
* <td>EMT</td>
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* <td>request.entity.size</td>
* <td>es</td>
* <td>Integer</td>
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* <tr>
* <td>response.entity.size</td>
* <td>ES</td>
* <td>Integer</td>
* </tr>
* <tr>
* <td>request.entity.tag</td>
* <td>et</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.tag</td>
* <td>ET</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.referrerRef</td>
* <td>f*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>request.hostRef</td>
* <td>h*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>request.method</td>
* <td>m</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.rootRef</td>
* <td>o*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>request.protocol</td>

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* <td>p</td>
* <td>String</td>
 * </tr>
* <tr>
* <td>request.resourceRef</td>
* <td>r*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>response.redirectRef</td>
* <td>R*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>response.status</td>
* <td>S</td>
* <td>Integer</td>
* </tr>
* <tr>
* <td>response.serverInfo.address</td>
* <td>SIA</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.serverInfo.agent</td>
* <td>SIG</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.serverInfo.port</td>
* <td>SIP</td>
* <td>Integer</td>
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* </table>
* <br>
*
* Below is the list of name sub-parts, for Reference variables, that can
* replace the asterix in the variable names above:<br>
* <br>
*
* <table>
* <tr>
* <th>Reference property</th>
* <th>Sub-part name</th>
* <th>Content type</th>
* </tr>
* <tr>
* <td>authority</td>
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* <td>a</td>
* <td>String</td>
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* <tr>
* <td>baseRef</td>
 * <td>b*</td>
* <td>Reference</td>
* </tr>
* <tr>
* <td>targetRef</td>
* <td>t*</td>
* <td>Reference</td>
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* <tr>
* <td>relativePart</td>
* <td>e</td>
* <td>String</td>
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* <td>fragment</td>
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* <td>String</td>
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* <td>hostIdentifier</td>
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* <td>String</td>
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* <tr>
* <td>identifier</td>
* <td>i</td>
* <td>String</td>
* </tr>
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* <td>path</td>
* <td>p</td>
* <td>String</td>
* </tr>
* <tr>
* <td>query</td>
* <td>q</td>
* <td>String</td>
* </tr>
* <tr>
* <td>remainingPart</td>
* <td>r</td>
* <td>String</td>
* </tr>

* </table>
*
* @author Jerome Louvel
*/

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/util/Resolver.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DispositionReader.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ExpectationWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/DateUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/SystemUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Put.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/Entity.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DateWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/DecoderService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Validator.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ReaderRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Template.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/Decoder.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/CorsFilter.java

* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/PreferenceWriter.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/SslUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/CharacterRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/StringWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/CompositeHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/Authenticator.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ChallengeRequestReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/ConverterService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/Client.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/ReadableSelectionChannel.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/EngineClassLoader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ChildContext.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/Conneg.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/TagWriter.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/VariantInfo.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Result.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/StatusInfo.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Tag.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Router.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/WriterOutputStream.java
* /org-restlet-2-4-3-sources-jar/org/restlet/Context.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ImmutableDate.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Range.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Dimension.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/StreamRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/VirtualHost.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/WrapperScheduledExecutorService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentClientDispatcher.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/LocalClientHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Expectation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/ReaderInputStream.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/HeaderConstants.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/ClapClientHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ReadableRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ByteArrayRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/RepresentationInfo.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/PreferenceReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/ChallengeAuthenticator.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Route.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/HttpClientHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/ServiceList.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/EncodingReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Parameter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentContext.java

* /org-restlet-2-4-3-sources-jar/org/restlet/Application.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/ConnectorService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/CorsResponseHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/OutputRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/FileEntity.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/converter/ConverterHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/InputStreamChannel.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/SmtpPlainHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/LogService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/ThrowableAnnotationInfo.java
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/org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ClientRouter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/Method.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpServerHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/Response.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/UnclosableOutputStream.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/AuthenticatorHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/CallResolver.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CookieWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/CacheDirective.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/EmptyRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CookieSettingWriter.java
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* /org-restlet-2-4-3-sources-jar/org/restlet/security/User.java
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* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/IdentClient.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Status.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ExpectationReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/DirectoryServerResource.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/LocalReference.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/CorsService.java
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* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/RecipientInfoReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/Enroler.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ContentTypeReader.java
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* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/Adapter.java
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* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpClientHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/CertificateAuthenticator.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Status.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/ObjectRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/AccessLogFormatter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/PipeStream.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/RiapServerHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Post.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/AnnotationInfo.java
*

/org-restlet-2-4-3-sources-jar/org/restlet/resource/Patch.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/Service.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/UnclosableInputStream.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Digest.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/RoleMapping.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperRestlet.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/SelectionChannel.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ChallengeWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/Verifier.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/ServerResource.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/Series.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Metadata.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/BeanInfoUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/RangeInputStream.java
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/org-restlet-2-4-3-sources-jar/org/restlet/data/ChallengeRequest.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/StatusService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpsServerHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/AuthenticationInfo.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Conditions.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/SecretVerifier.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/MethodWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/Variant.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/CookieSetting.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/SelectorFactory.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/StringReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/BlockableChannel.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Warning.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/Restlet.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/Uniform.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/ByteReadingListener.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/NamedValue.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/FormReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/AccessLogFileHandler.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/Group.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CacheDirectiveReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Method.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/FtpClientHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/SimplestFormatter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/RestletHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ContentType.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/RangeReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ServerHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/InternalRouter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ClientHelper.java

* /org-restlet-2-4-3-sources-jar/org/restlet/representation/WritableRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/TunnelFilter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/ChallengeMessage.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Disposition.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Extractor.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentServerDispatcher.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/SelectionListener.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/MapVerifier.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/FileClientHelper.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/data/Encoding.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/StringReadingListener.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/SslContextFactory.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/WarningWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ClientRoute.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/LogUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/Pool.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ProductWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/DecodeRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/local/RiapClientHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Delete.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/RangeRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/FlexibleConneg.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DispositionWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Preference.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ChildClientDispatcher.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/TemplateDispatcher.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/HttpRequest.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/RoleAuthorizer.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/TokenReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/RangeService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/LanguageReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/BufferingRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ProtocolHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/ClientResource.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/WriterRepresentation.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/MetadataWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/Representation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/ClientCall.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/NbChannelInputStream.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/WarningReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/Encoder.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Form.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Product.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/HeaderWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/InternetDateFormat.java

* /org-restlet-2-4-3-sources-jar/org/restlet/resource/ClientProxy.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Filter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/IoUtils.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/MetadataExtension.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/CaseInsensitiveHashSet.java
* /org-restlet-2-4-3-sources-jar/org/restlet/Component.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/EncodeRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/TunnelService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/MethodAuthorizer.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/ChallengeResponse.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/LocalVerifier.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Header.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Finder.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/MethodReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/AlphabeticalComparator.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/Helper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/Realm.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/HttpServerHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/FileRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/StatusFilter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/WebDavProtocolHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperMap.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/ApplicationHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/TemplateRoute.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/application/StrictConneg.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/SimplerFormatter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/Connector.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/component/HostRoute.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/LoggerFacade.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DimensionWriter.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpProtocolHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CookieSettingReader.java
* /org-restlet-2-4-3-sources-jar/org/restlet/security/Authorizer.java
* /org-restlet-2-4-3-sources-jar/org/restlet/representation/StringRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/Language.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/WrapperSslServerSocketFactory.java
* /org-restlet-2-4-3-sources-jar/org/restlet/routing/Redirector.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/security/HttpBasicHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ListUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/FormUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/ConnectionClosingRepresentation.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/io/NbChannelOutputStream.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/WrapperSslSocketFactory.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/MetadataService.java

* /org-restlet-2-4-3-sources-jar/org/restlet/data/Cookie.java
* /org-restlet-2-4-3-sources-jar/org/restlet/util/ReadingListener.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/HeaderUtils.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Options.java
* /org-restlet-2-4-3-sources-jar/org/restlet/resource/Get.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/ClientInvocationHandler.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CacheDirectiveWriter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpUrlConnectionCall.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/DefaultSslContext.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/LogFilter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/header/EncodingWriter.java
*
/org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentHelper.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/MapResolver.java
* /org-restlet-2-4-3-sources-jar/org/restlet/data/ServerInfo.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/converter/DefaultConverter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/EncoderService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/ClientAdapter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/LoggingThreadFactory.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/log/DefaultAccessLogFormatter.java
* /org-restlet-2-4-3-sources-jar/org/restlet/service/ConnegService.java
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/util/SetUtils.java
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* /org-restlet-2-4-3-sources-jar/org/restlet/Component.xsd
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*/
/**
    * Implemented based on the {@link Protocol#isConfidential()}
 method for the
    * request's protocol returned by {@link #getProtocol()};
    */
```

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* /org-restlet-2-4-3-sources-jar/org/restlet/Request.java
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*/
/**
* Application service capable of running and scheduling
```

tasks asynchronously.
* The service instance returned will not invoke the runnable task in the
* current thread.
*
* In addition to allowing pooling, this method will ensure that the threads
* executing the tasks will have the thread local variables copied from the
* calling thread. This will ensure that call to static methods like
* {@link Application#getCurrent()} still work.
*
* Also, note that this executor service will be shared among all Restlets and
* Resources that are part of your context. In general this context corresponds
* to a parent Application's context. If you want to have your own service
* instance, you can use the {@link TaskService#wrap(ScheduledExecutorService)}
* method to ensure that thread local variables are correctly set.
*
* @author Jerome Louvel
* @author Doug Lea (docs of ExecutorService in public domain)
* @author Tim Peierls
*/

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/service/TaskService.java
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*/
/**

```
    * Constructor.
    *
    * @param server
    * @param
 exchange
    * @param confidential
    */
```

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/connector/HttpExchangeCall.java
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```
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*
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*/
```

Found in path(s):
* /org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/ServerCall.java
*
 /org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/AnnotationUtils.java

1.556 zope-interface 5.4.0

1.556.1 Available under license :

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1.557 jboss-logging 3.1.1.GA

1.557.1 Available under license :

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany
the work with the complete corresponding
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally
distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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1.558 godbus 5.0.6

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1.559 go-capability 0.0.0-20200815063812-42c35b437635

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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1.561 apache-log4j 2.17.1

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1.562 go-systemd 22.3.2

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1.563 python-certifi 2022.12.07

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1.564 crs-shared 0.6.0

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.567 crs-log 0.6.0

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
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1.570 sanitized-anchor-name 1.0.0

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1.571 pyparsing 3.0.9

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*
 /jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/TelnetIO.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/ConnectionData.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/PortListener.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/ConnectionEvent.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/Connection.java
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* /jline-3-22-0-sources-8-jar/org/jline/utils/ExecHelper.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/Attributes.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/ShutdownHooks.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/UserInterruptException.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/DiffHelper.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/win/WindowsAnsiWriter.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/AttributedString.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/AggregateCompleter.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/OSUtils.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Binding.java
*
 /jline-3-22-0-sources-8-jar/org/jline/terminal/MouseEvent.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/MouseSupport.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Widget.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/spi/Pty.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/package-info.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/package-info.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/NativeSignalHandler.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/ClosedException.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Reference.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/package-info.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/package-info.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/EnumCompleter.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/ExecPty.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/NullCompleter.java
*
 /jline-3-22-0-sources-8-jar/org/jline/reader/Macro.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/Cursor.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/AbstractPosixTerminal.java

* /jline-3-22-0-sources-8-jar/org/jline/reader/Expander.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/DefaultExpander.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/InputStreamReader.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/Levenshtein.java
* /jline-3-22-0-sources-8-jar/org/jline/keymap/KeyMap.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/WCWidth.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/UndoTree.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/CursorSupport.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/history/package-info.java
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* /jline-3-22-0-sources-8-jar/org/jline/console/Printer.java
* /jline-3-22-0-sources-8-jar/org/jline/console/impl/SystemHighlighter.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/Source.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/Commands.java
* /jline-3-22-0-sources-8-jar/org/jline/console/impl/SystemRegistryImpl.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/Less.java
* /jline-3-22-0-sources-8-jar/org/jline/console/impl/Builtins.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/LineReaderImpl.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/SyntaxHighlighter.java
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auto_left_margin, bw, bw
auto_right_margin, am, am
back_color_erase, bce, ut
can_change, ccc, cc
ceol_standout_glitch, xhp, xs
col_addr_glitch, xhpa, YA
cpi_changes_res, cpix, YF
cr_cancels_micro_mode, crxm, YB
dest_tabs_magic_smso, xt, xt
eat_newline_glitch, xenl, xn
erase_overstrike, eo, eo
generic_type, gn, gn
hard_copy, hc, hc
hard_cursor, chts, HC
has_meta_key, km, km
has_print_wheel, daisy, YC
has_status_line, hs, hs
hue_lightness_saturation, hls, hl
insert_null_glitch, in, in
lpi_changes_res, lpix, YG
memory_above, da, da
memory_below, db, db
move_insert_mode, mir, mi
move_standout_mode, msgr, ms
needs_xon_xoff, nxon, nx
no_esc_ctlc, xsb, xb
no_pad_char, npc,
 NP
non_dest_scroll_region, ndscr, ND
non_rev_rmcup, nrrmc, NR

over_strike, os, os
prtr_silent, mc5i, 5i
row_addr_glitch, xvpa, YD
semi_auto_right_margin, sam, YE
status_line_esc_ok, eslok, es
tilde_glitch, hz, hz
transparent_underline, ul, ul
xon_xoff, xon, xo
columns, cols, co
init_tabs, it, it
label_height, lh, lh
label_width, lw, lw
lines, lines, li
lines_of_memory, lm, lm
magic_cookie_glitch, xmc, sg
max_attributes, ma, ma
max_colors, colors, Co
max_pairs, pairs, pa
maximum_windows, wnum, MW
no_color_video, ncv, NC
num_labels, nlab, Nl
padding_baud_rate, pb, pb
virtual_terminal, vt, vt
width_status_line, wsl, ws
bit_image_entwining, bitwin, Yo
bit_image_type, bitype, Yp
buffer_capacity, bufsz, Ya
buttons, btns, BT
dot_horz_spacing, spinh, Yc
dot_vert_spacing, spinv, Yb
max_micro_address, maddr, Yd
max_micro_jump, mjump, Ye
micro_col_size, mcs, Yf
micro_line_size, mls, Yg
number_of_pins, npins, Yh
output_res_char, orc, Yi
output_res_horz_inch, orhi, Yk
output_res_line, orl, Yj
output_res_vert_inch,
orvi, Yl
print_rate, cps, Ym
wide_char_size, widcs, Yn
acs_chars, acsc, ac
back_tab, cbt, bt
bell, bel, bl
carriage_return, cr, cr
change_char_pitch, cpi, ZA
change_line_pitch, lpi, ZB

change_res_horz, chr, ZC
change_res_vert, cvr, ZD
change_scroll_region, csr, cs
char_padding, rmp, rP
clear_all_tabs, tbc, ct
clear_margins, mgc, MC
clear_screen, clear, cl
clr_bol, el1, cb
clr_eol, el, ce
clr_eos, ed, cd
column_address, hpa, ch
command_character, cmdch, CC
create_window, cwin, CW
cursor_address, cup, cm
cursor_down, cud1, do
cursor_home, home, ho
cursor_invisible, civis, vi
cursor_left, cub1, le
cursor_mem_address, mrcup, CM
cursor_normal, cnorm, ve
cursor_right, cuf1, nd
cursor_to_ll, ll, ll
cursor_up, cuu1, up
cursor_visible, cvvis, vs
define_char, defc, ZE
delete_character, dch1, dc
delete_line, dl1, dl
dial_phone, dial, DI
dis_status_line, dsl, ds
display_clock, dclk, DK
down_half_line, hd, hd
ena_acs, enacs, eA
enter_alt_charset_mode, smacs, as
enter_am_mode, smam,
SA
enter_blink_mode, blink, mb
enter_bold_mode, bold, md
enter_ca_mode, smcup, ti
enter_delete_mode, smdc, dm
enter_dim_mode, dim, mh
enter_doublewide_mode, swidm, ZF
enter_draft_quality, sdrfq, ZG
enter_insert_mode, smir, im
enter_italics_mode, sitm, ZH
enter_leftward_mode, slm, ZI
enter_micro_mode, smicm, ZJ
enter_near_letter_quality, snlq, ZK
enter_normal_quality, snrmq, ZL

enter_protected_mode, prot, mp
enter_reverse_mode, rev, mr
enter_secure_mode, invis, mk
enter_shadow_mode, sshm, ZM
enter_standout_mode, smso, so
enter_subscript_mode, ssubm, ZN
enter_superscript_mode, ssupm, ZO
enter_underline_mode, smul, us
enter_upward_mode, sum, ZP
enter_xon_mode, smxon, SX
erase_chars, ech, ec
exit_alt_charset_mode, rmacs, ae
exit_am_mode, rmam, RA
exit_attribute_mode, sgr0, me
exit_ca_mode, rmcup, te
exit_delete_mode, rmdc, ed
exit_doublewide_mode, rwidm, ZQ
exit_insert_mode, rmir, ei
exit_italics_mode, ritm, ZR
exit_leftward_mode, rlm, ZS
exit_micro_mode, rmicm, ZT
exit_shadow_mode, rshm,
ZU
exit_standout_mode, rmso, se
exit_subscript_mode, rsubm, ZV
exit_superscript_mode, rsupm, ZW
exit_underline_mode, rmul, ue
exit_upward_mode, rum, ZX
exit_xon_mode, rmxon, RX
fixed_pause, pause, PA
flash_hook, hook, fh
flash_screen, flash, vb
form_feed, ff, ff
from_status_line, fsl, fs
goto_window, wingo, WG
hangup, hup, HU
init_1string, is1, i1
init_2string, is2, is
init_3string, is3, i3
init_file, if, if
init_prog, iprog, iP
initialize_color, initc, Ic
initialize_pair, initp, Ip
insert_character, ich1, ic
insert_line, il1, al
insert_padding, ip, ip
key_a1, ka1, K1
key_a3, ka3, K3

key_b2, kb2, K2
key_backspace, kbs, kb
key_beg, kbeg, @1
key_btab, kcbt, kB
key_c1, kc1, K4
key_c3, kc3, K5
key_cancel, kcan, @2
key_catab, ktbc, ka
key_clear, kclr, kC
key_close, kclo, @3
key_command, kcmd, @4
key_copy, kcpy, @5
key_create, kcrt, @6
key_ctab, kctab, kt
key_dc, kdch1, kD
key_dl, kdl1, kL
key_down, kcud1, kd
key_eic, krmir, kM
key_end, kend, @7
key_enter, kent, @8
key_eol, kel, kE
key_eos,
ked, kS
key_exit, kext, @9
key_f0, kf0, k0
key_f1, kf1, k1
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key_f19, kf19, F9
key_f2, kf2, k2
key_f20, kf20, FA
key_f21, kf21, FB
key_f22, kf22, FC
key_f23, kf23, FD
key_f24, kf24, FE
key_f25, kf25, FF
key_f26, kf26, FG
key_f27, kf27, FH
key_f28, kf28, FI
key_f29, kf29, FJ
key_f3, kf3, k3

key_f30, kf30, FK
key_f31, kf31, FL
key_f32, kf32, FM
key_f33, kf33, FN
key_f34, kf34, FO
key_f35, kf35, FP
key_f36, kf36, FQ
key_f37, kf37, FR
key_f38, kf38, FS
key_f39, kf39, FT
key_f4, kf4, k4
key_f40, kf40, FU
key_f41, kf41, FV
key_f42, kf42, FW
key_f43, kf43, FX
key_f44, kf44, FY
key_f45, kf45, FZ
key_f46, kf46, Fa
key_f47, kf47, Fb
key_f48, kf48, Fc
key_f49, kf49, Fd
key_f5, kf5, k5
key_f50, kf50, Fe
key_f51, kf51, Ff
key_f52, kf52, Fg
key_f53, kf53, Fh
key_f54, kf54, Fi
key_f55, kf55, Fj
key_f56, kf56, Fk
key_f57, kf57, Fl
key_f58, kf58,
Fm
key_f59, kf59, Fn
key_f6, kf6, k6
key_f60, kf60, Fo
key_f61, kf61, Fp
key_f62, kf62, Fq
key_f63, kf63, Fr
key_f7, kf7, k7
key_f8, kf8, k8
key_f9, kf9, k9
key_find, kfnd, @0
key_help, khlp, %1
key_home, khome, kh
key_ic, kich1, kI
key_il, kil1, kA
key_left, kcub1, kl
key_ll, kll, kH

key_mark, kmrk, %2
key_message, kmsg, %3
key_move, kmov, %4
key_next, knxt, %5
key_npage, knp, kN
key_open, kopn, %6
key_options, kopt, %7
key_ppage, kpp, kP
key_previous, kprv, %8
key_print, kprt, %9
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key_right, kcuf1, kr
key_save, ksav, &6
key_sbeg, kBEG, &9
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key_sfind, kFND, *0
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key_shome, kHOM, #2
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kMSG, %a
key_smove, kMOV, %b
key_snext, kNXT, %c
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key_sprint, kPRT, %f
key_sr, kri, kR
key_sredo, kRDO, %g
key_sreplace, kRPL, %h
key_sright, kRIT, %i
key_srsume, kRES, %j
key_ssave, kSAV, !1

key_ssuspend, kSPD, !2
key_stab, khts, kT
key_sundo, kUND, !3
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key_undo, kund, &8
key_up, kcuu1, ku
keypad_local, rmkx, ke
keypad_xmit, smkx, ks
lab_f0, lf0, l0
lab_f1, lf1, l1
lab_f10, lf10, la
lab_f2, lf2, l2
lab_f3, lf3, l3
lab_f4, lf4, l4
lab_f5, lf5, l5
lab_f6, lf6, l6
lab_f7, lf7, l7
lab_f8, lf8, l8
lab_f9, lf9, l9
label_format, fln, Lf
label_off, rmln, LF
label_on, smln, LO
meta_off, rmm, mo
meta_on, smm, mm
micro_column_address, mhpa, ZY
micro_down, mcud1, ZZ
micro_left, mcub1, Za
micro_right, mcuf1, Zb
micro_row_address, mvpa, Zc
micro_up, mcuu1, Zd
newline, nel, nw
order_of_pins, porder, Ze
orig_colors, oc, oc
orig_pair, op, op
pad_char, pad, pc
parm_dch, dch, DC
parm_delete_line, dl, DL
parm_down_cursor, cud, DO
parm_down_micro,
mcud, Zf
parm_ich, ich, IC
parm_index, indn, SF
parm_insert_line, il, AL
parm_left_cursor, cub, LE
parm_left_micro, mcub, Zg
parm_right_cursor, cuf, RI
parm_right_micro, mcuf, Zh
parm_rindex, rin, SR

parm_up_cursor, cuu, UP
parm_up_micro, mcuu, Zi
pkey_key, pfkey, pk
pkey_local, pfloc, pl
pkey_xmit, pfx, px
plab_norm, pln, pn
print_screen, mc0, ps
prtr_non, mc5p, pO
prtr_off, mc4, pf
prtr_on, mc5, po
pulse, pulse, PU
quick_dial, qdial, QD
remove_clock, rmclk, RC
repeat_char, rep, rp
req_for_input, rfi, RF
reset_1string, rs1, r1
reset_2string, rs2, r2
reset_3string, rs3, r3
reset_file, rf, rf
restore_cursor, rc, rc
row_address, vpa, cv
save_cursor, sc, sc
scroll_forward, ind, sf
scroll_reverse, ri, sr
select_char_set, scs, Zj
set_attributes, sgr, sa
set_background, setb, Sb
set_bottom_margin, smgb, Zk
set_bottom_margin_parm, smgbp, Zl
set_clock, sclk, SC
set_color_pair, scp, sp
set_foreground, setf, Sf
set_left_margin, smgl, ML
set_left_margin_parm, smglp, Zm
set_right_margin,
smgr, MR
set_right_margin_parm, smgrp, Zn
set_tab, hts, st
set_top_margin, smgt, Zo
set_top_margin_parm, smgtp, Zp
set_window, wind, wi
start_bit_image, sbim, Zq
start_char_set_def, scsd, Zr
stop_bit_image, rbim, Zs
stop_char_set_def, rcsd, Zt
subscript_characters, subcs, Zu
superscript_characters, supcs, Zv
tab, ht, ta

these_cause_cr, docr, Zw
to_status_line, tsl, ts
tone, tone, TO
underline_char, uc, uc
up_half_line, hu, hu
user0, u0, u0
user1, u1, u1
user2, u2, u2
user3, u3, u3
user4, u4, u4
user5, u5, u5
user6, u6, u6
user7, u7, u7
user8, u8, u8
user9, u9, u9
wait_tone, wait, WA
xoff_character, xoffc, XF
xon_character, xonc, XN
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alt_scancode_esc, scesa, S8
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bit_image_newline, binel, Zz
bit_image_repeat, birep, Xy
char_set_names, csnm, Zy
code_set_init, csin, ci
color_names, colornm, Yw
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device_type, devt, dv
display_pc_char, dispc, S1
end_bit_image_region, endbi, Yy
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smpch, S2
enter_scancode_mode, smsc, S4
exit_pc_charset_mode, rmpch, S3
exit_scancode_mode, rmsc, S5
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key_mouse, kmous, Km
mouse_info, minfo, Mi
pc_term_options, pctrm, S6
pkey_plab, pfxl, xl
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set2_des_seq, s2ds, s2
set3_des_seq, s3ds, s3
set_a_background, setab, AB
set_a_foreground, setaf, AF

set_color_band, setcolor, Yz
set_lr_margin, smglr, ML
set_page_length, slines, YZ
set_tb_margin, smgtb, MT
enter_horizontal_hl_mode, ehhlm, Xh
enter_left_hl_mode, elhlm, Xl
enter_low_hl_mode, elohlm, Xo
enter_right_hl_mode, erhlm, Xr
enter_top_hl_mode, ethlm, Xt
enter_vertical_hl_mode, evhlm, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

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green
olive
navy
purple
teal
silver
grey
red
lime
yellow
blue
fuchsia
aqua
white
grey0
navyblue
darkblue
blue3
blue3a
blue1

darkgreen
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deepskyblue4b
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dodgerblue2
green4
springgreen4
turquoise4
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springgreen1
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chartreuse3a
palegreen3
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magenta3b
magenta2

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violet
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mistyrose3
thistle3
plum2
yellow3a
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indianred1
indianred1a
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salmon1
lightcoral
palevioletred1
orchid2
orchid1

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wheat1
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Found
in path(s):
* /jline-3-22-0-sources-8-jar/org/jline/utils/colors.txt
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Found in path(s):
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/exec/ExecTerminalProvider.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/spi/TerminalProvider.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/Diag.java
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* /jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/ConnectionFilter.java
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/jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/ConnectionListener.java
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* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/osx/OsXNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/JansiTerminalProvider.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/Display.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/JnaTerminalProvider.java
* /jline-3-22-0-sources-8-jar/org/jline/console/CommandMethods.java
* /jline-3-22-0-sources-8-jar/org/jline/console/ScriptEngine.java

* /jline-3-22-0-sources-8-jar/org/jline/reader/CompletionMatcher.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/JansiNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/console/CmdDesc.java
*
 /jline-3-22-0-sources-8-jar/org/jline/console/impl/AbstractCommandRegistry.java
* /jline-3-22-0-sources-8-jar/org/jline/widget/Widgets.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/solaris/SolarisNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/freebsd/CLibrary.java
* /jline-3-22-0-sources-8-jar/org/jline/console/CmdLine.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/Log.java
* /jline-3-22-0-sources-8-jar/org/jline/widget/AutosuggestionWidgets.java
* /jline-3-22-0-sources-8-jar/org/jline/console/impl/JlineCommandRegistry.java
* /jline-3-22-0-sources-8-jar/org/jline/console/CommandRegistry.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/ReaderUtils.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/JnaNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/EndOfFileException.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/solaris/CLibrary.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/linux/CLibrary.java
*
 /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/win/JnaWinSysTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/Signals.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/win/JansiWinSysTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/widget/AutopairWidgets.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/linux/LinuxNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/LineReaderBuilder.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/DefaultParser.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/freebsd/FreeBsdNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/osx/CLibrary.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/ColorPalette.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/SystemCompleter.java
* /jline-3-22-0-sources-8-jar/org/jline/console/CommandInput.java
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* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/KillRing.java
* /jline-3-22-0-sources-8-jar/org/jline/style/StyleExpression.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingInputStream.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/NonBlocking.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/Curses.java

* /jline-3-22-0-sources-8-jar/org/jline/keymap/BindingReader.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingReaderImpl.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/ExternalTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/style/StyleSource.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/StyleResolver.java
*
 /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/win/Kernel32.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/PosixSysTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/PosixPtyTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/AttributedStringBuilder.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Completer.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/MaskingCallback.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingReader.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/CompletingParsedLine.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/InputRC.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/Colors.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingInputStreamImpl.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/Size.java
* /jline-3-22-0-sources-8-jar/org/jline/style/StyleFactory.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/FileNameCompleter.java
*
 /jline-3-22-0-sources-8-jar/org/jline/utils/Timeout.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/ParsedLine.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/Terminal.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/LineDisciplineTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/History.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/DumbTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/style/Styler.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/NfaMatcher.java
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#
class = org.jline.terminal.impl.jansi.JansiTerminalProvider
```

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* /jline-3-22-0-sources-8-jar/org/jline/style/NopStyleSource.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/solaris/SolarisNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/style/StyleResolver.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/AbstractWindowsConsoleWriter.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingPumpReader.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/BufferImpl.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/freebsd/FreeBsdNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/style/InterpolationHelper.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/SimpleMaskingCallback.java
*
 /jline-3-22-0-sources-8-jar/org/jline/builtins/ssh/Ssh.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/WriterOutputStream.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/linux/LinuxNativePty.java

* /jline-3-22-0-sources-8-jar/org/jline/style/StyledWriter.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/telnet/Telnet.java
* /jline-3-22-0-sources-8-jar/org/jline/style/MemoryStyleSource.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/NonBlockingPumpInputStream.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/PumpReader.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Buffer.java
* /jline-3-22-0-sources-8-jar/org/jline/style/StyleColor.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/ssh/ShellFactoryImpl.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/osx/OsXNativePty.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/ssh/ShellCommand.java
* /jline-3-22-0-sources-8-jar/org/jline/style/StyleBundle.java
*
/jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jna/win/JnaWinConsoleWriter.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/jansi/win/JansiWinConsoleWriter.java
* /jline-3-22-0-sources-8-jar/org/jline/style/StyleBundleInvocationHandler.java
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* /jline-3-22-0-sources-8-jar/org/jline/builtins/ConsoleOptionGetter.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/Completers.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/Nano.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/DefaultHighlighter.java
* /jline-3-22-0-sources-8-jar/org/jline/widget/TailTipWidgets.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/history/DefaultHistory.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/PrintAboveWriter.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/TTop.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/Styles.java
*
 /jline-3-22-0-sources-8-jar/org/jline/console/impl/ConsoleEngineImpl.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/AttributedStyle.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/LineReader.java
* /jline-3-22-0-sources-8-jar/org/jline/console/ConsoleEngine.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Parser.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/TerminalBuilder.java
* /jline-3-22-0-sources-8-jar/org/jline/console/SystemRegistry.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/AbstractTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/console/ArgDesc.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/AttributedCharSequence.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Highlighter.java
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* /jline-3-22-0-sources-8-jar/META-INF/maven/org.jline/jline-remote-ssh/pom.xml
* /jline-3-22-0-sources-8-jar/META-INF/maven/org.jline/jline-remote-telnet/pom.xml
* /jline-3-22-0-sources-8-jar/META-INF/maven/org.jline/jline-reader/pom.xml
* /jline-3-22-0-sources-8-jar/META-INF/maven/org.jline/jline-terminal-jna/pom.xml
* /jline-3-22-0-sources-8-jar/META-INF/maven/org.jline/jline-terminal/pom.xml
* /jline-3-22-0-sources-8-jar/META-INF/maven/org.jline/jline-builtins/pom.xml
* /jline-3-22-0-sources-8-jar/META-INF/maven/org.jline/jline-style/pom.xml
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* /jline-3-22-0-sources-8-jar/org/jline/builtins/Tmux.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/AbstractPty.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Editor.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/Candidate.java
* /jline-3-22-0-sources-8-jar/org/jline/builtins/ConfigurationPath.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/ArgumentCompleter.java
* /jline-3-22-0-sources-8-jar/org/jline/terminal/impl/AbstractWindowsTerminal.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/InfoCmp.java
* /jline-3-22-0-sources-8-jar/org/jline/utils/Status.java
* /jline-3-22-0-sources-8-jar/org/jline/reader/impl/completer/StringsCompleter.java

1.573 packaging 21.2

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1.574 html5lib 1.1

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1.576 cffi 1.15.0

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1.581 openjdk-jre 1.8.0u282

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.583 iperf 3.14

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 * stdio.c
 * by Mark Gates <mgates@nlanr.net>
 * and Ajay Tirumalla <tirumala@ncsa.uiuc.edu>
 * -----------------------------------------------------------------
 * input and output numbers, converting with kilo, mega, giga
 * ----------------------------------------------------------------- */
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1.589 example 21.12

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Found in path(s):
*
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Name: example
Version: 21.12
Summary: UNKNOWN
Home-page: UNKNOWN
Author: UNKNOWN

Author-email: UNKNOWN
License: Apache Software License
Platform: UNKNOWN

UNKNOWN

Found in path(s):
* /example-21-12-dist-info-zip/inputdir/packages_extracted/wheel/127/example-21.12.dist-info/METADATA

1.590 xml-commons-resolver 1.1

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1.597 bcel 5.1

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/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/ExceptionConstants.javapackage org.apache.bcel;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/Repository.javapackage org.apache.bcel;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/AccessFlags.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Attribute.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/AttributeReader.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/ClassFormatException.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/ClassParser.javapackage
org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Code.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/CodeException.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Constant.javapackage org.apache.bcel.classfile;

/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantCP.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantClass.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantDouble.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantFieldref.javapackage
org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantFloat.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantInteger.java
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantInterfaceMethodref.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantLong.javapackage org.apache.bcel.classfile;
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/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantNameAndType.javapackage
org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantObject.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantPool.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantString.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantUtf8.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ConstantValue.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/Deprecated.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/DescendingVisitor.javapackage
org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/EmptyVisitor.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/ExceptionTable.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/Field.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/FieldOrMethod.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/classfile/InnerClass.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-

jar/org/apache/bcel/classfile/InnerClasses.javapackage
org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/JavaClass.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/LineNumber.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/LineNumberTable.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/LocalVariable.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/LocalVariableTable.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Method.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Node.javapackage
org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/PMGClass.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Signature.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/SourceFile.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/StackMapType.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Synthetic.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Unknown.javapackage org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/classfile/Visitor.javapackage
org.apache.bcel.classfile;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
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/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/AASTORE.javapackage org.apache.bcel.generic;
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/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
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/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
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jar/org/apache/bcel/generic/ARRAYLENGTH.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-

jar/org/apache/bcel/generic/ASTORE.javapackage org.apache.bcel.generic;
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/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
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/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/BREAKPOINT.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/BasicType.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/BranchHandle.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/BranchInstruction.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/CALOAD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/CASTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/CHECKCAST.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/CPInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/ClassGen.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/ClassGenException.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/ClassObserver.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/CodeExceptionGen.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/CompoundInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/ConstantPoolGen.javapackage org.apache.bcel.generic;

/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ConstantPoolGen.java.origpackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ConstantPushInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ConversionInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/D2F.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/D2I.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/D2L.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DADD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DALOAD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DASTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DCMPG.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DCMPL.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DCONST.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DDIV.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DLOAD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DMUL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DNEG.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DREM.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DRETURN.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DSTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DSUB.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DUP.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/DUP2.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-

jar/org/apache/bcel/generic/DUP2_X1.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/DUP2_X2.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/DUP_X1.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/DUP_X2.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/EmptyVisitor.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/ExceptionThrower.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/F2D.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/F2I.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/F2L.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FADD.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FALOAD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FASTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FCMPG.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FCMPL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FCONST.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FDIV.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FLOAD.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FMUL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FNEG.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FREM.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FRETURN.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FSTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/FSUB.javapackage org.apache.bcel.generic;

/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/FieldGen.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/FieldGenOrMethodGen.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/FieldInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/FieldObserver.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/FieldOrMethod.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/GETFIELD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/GETSTATIC.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/GOTO.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/GOTO_W.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/GotoInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/I2B.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/I2C.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/I2D.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/I2F.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/I2L.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/I2S.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IADD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IALOAD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IAND.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IASTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ICONST.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IDIV.javapackage

org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IFEQ.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IFGE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IFGT.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IFLE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IFLT.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IFNE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IFNONNULL.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IFNULL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IF_ACMPEQ.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IF_ACMPNE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IF_ICMPEQ.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IF_ICMPGE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IF_ICMPGT.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IF_ICMPLE.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IF_ICMPLT.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IF_ICMPNE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IINC.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ILOAD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IMPDEP1.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IMPDEP2.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IMUL.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/INEG.javapackage org.apache.bcel.generic;

/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/INSTANCEOF.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/INVOKEINTERFACE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/INVOKESPECIAL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/INVOKESTATIC.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/INVOKEVIRTUAL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IOR.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IREM.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IRETURN.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ISHL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ISHR.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ISTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/ISUB.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IUSHR.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IXOR.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IfInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/IndexedInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/Instruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/InstructionComparator.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/InstructionConstants.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/InstructionFactory.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/InstructionHandle.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/InstructionList.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-

jar/org/apache/bcel/generic/InstructionListObserver.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/InstructionTargeter.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/InvokeInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/JSR.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/JSR_W.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/JsrInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/L2D.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/L2F.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/L2I.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LADD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LALOAD.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LAND.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LASTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LCMP.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LCONST.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LDC.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LDC2_W.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LDC_W.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LDIV.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LLOAD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LMUL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LNEG.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/LOOKUPSWITCH.javapackage org.apache.bcel.generic;

/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LOR.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LREM.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LRETURN.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LSHL.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LSHR.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LSTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LSUB.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LUSHR.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LXOR.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LineNumberGen.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LoadClass.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LoadInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LocalVariableGen.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/LocalVariableInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/MONITORENTER.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/MONITOREXIT.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/MULTIANEWARRAY.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/MethodGen.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/MethodObserver.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/NEW.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/NEWARRAY.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/generic/NOP.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-

jar/org/apache/bcel/generic/NamedAndTyped.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/POP.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/POP2.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/PUSH.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/PUTFIELD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/PUTSTATIC.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/PopInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/PushInstruction.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/RET.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/RETURN.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/ReturnInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/SALOAD.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/SASTORE.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/SIPUSH.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/SWAP.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/SWITCH.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/Select.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/StackConsumer.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/StackInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/StackProducer.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/StoreInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/TABLESWITCH.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-

jar/org/apache/bcel/generic/TargetLostException.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/Type.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/TypedInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/UnconditionalBranch.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/VariableLengthInstruction.javapackage org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/generic/Visitor.javapackage
org.apache.bcel.generic;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/AttributeHTML.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/BCELFactory.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/BCELifier.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ByteSequence.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ClassLoader.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ClassLoaderRepository.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ClassPath.javapackage
org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ClassQueue.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ClassSet.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ClassStack.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ClassVector.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/CodeHTML.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/ConstantHTML.java
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/InstructionFinder.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/JavaWrapper.javapackage
org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/MethodHTML.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-
jar/org/apache/bcel/util/Repository.javapackage org.apache.bcel.util;

/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/util/SyntheticRepository.javapackage org.apache.bcel.util;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/NativeVerifier.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/PassVerifier.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/TransitiveHull.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/VerificationResult.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/Verifier.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/VerifierAppFrame.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/VerifierFactory.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/VerifierFactoryListModel.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/VerifierFactoryObserver.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/VerifyDialog.javapackage org.apache.bcel.verifier;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/AssertionViolatedException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/ClassConstraintException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/CodeConstraintException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/InvalidMethodException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/LinkingConstraintException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/LoadingException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/LocalVariableInfoInconsistentException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/StaticCodeConstraintException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/StaticCodeInstructionConstraintException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/StaticCodeInstructionOperandConstraintException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/StructuralCodeConstraintException.javapackage

org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/Utility.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/VerificationException.javapackage org.apache.bcel.verifier.exc;
/opt/cola/permits/2739760097_1762363843.0795324/0/bcel-5-1-sources-12-jar/org/apache/bcel/verifier/exc/VerifierConstraintViolatedException.javapackage org.apache.bcel.verifier.exc;
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org.apache.bcel.verifier.structurals;

Found in path(s):
*
No license file was found, but licenses were detected in source scan.

package org.apache.bcel;

Found in path(s):
* /bcel-5-1-sources-12-jar/org/apache/bcel/Constants.java

1.598 python-pip 23.0.1

1.598.1 Available under license :

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities

(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v
 $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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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
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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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes

2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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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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localtime.go, localtime_test.go:

Originals:
https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil.go
https://raw.githubusercontent.com/googleapis/google-cloud-go/ed46f5086358513cf8c25f8e3f022cb838a49d66/civil/civil_test.go
Changes:
* Renamed files from civil* to localtime*.
* Package changed from civil to toml.
* 'Local' prefix added to all structs.
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