



Open Source Used In Coral-Services 11.1.0

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1.1 bsd-mailx 8.1.2 :0.20141216cvs-2

1.1.1 Available under license:

The following ~ escapes are defined: ~b name ... Add names to "blind" Cc: list. ~c name ... Add names to Cc: field. ~d Read dead.letter into message. ~e Invoke text editor on partial message. ~F messages Same as ~f, but includes all headers. ~f messages Read in messages. ~h Edit the header fields. ~M messages Same as ~m, but includes all headers. ~m messages Read in messages, right shifted by a tab. ~p Print (show) the message buffer. ~q Abort message; optionally save copy to ~/dead.letter. ~r file | ~< file Read a file into the message buffer. ~s string Set Subject: field to string. ~t name ... Add names to To: field. ~v Invoke display editor on message. ~w filename Write message to file. ~x Abort message; no copy is saved. ~? Print a brief summary of tilde escapes. ~!command Execute shell command. ~|command Pipe message through command. ~:command | ~_command Execute a Mail command. ~~string Quote a single tilde. ~. Simulate end of file on input. Mail Command Description t [message list] type message(s). more [message list] read message(s), through the \$PAGER n goto and type next message. e [message list] edit message(s). f [message list] give head lines of messages. d [message list] delete message(s). s [message list] <file> append message(s) to file. u [message list] undelete message(s). R [message list] reply to message sender(s). r [message list] reply to message sender(s) and all recipients. p [message list] print message list. pre [message list] make messages go back to /var/mail. m < recipient list> mail to specific recipient(s). q quit, saving unresolved messages in mbox.

x quit, do not remove system mailbox.h print out active message headers.

```
! shell escape.
[msglist] command pipe message(s) to shell command.
pi [msglist] command pipe message(s) to shell command.
cd [directory] chdir to directory or home if none given
fi <file> switch to file (%=system inbox, %user=user's
    system inbox). + searches in your folder
    directory for the file.
set variable[=value] set Mail variable.
A [message list] consists of integers, ranges of same, :status, /subject, or
user names separated by spaces. If omitted, Mail uses the current message.
The pipe command doesn't accept user names or subject message list, since
that might conflict with the command string.
A < recipient list> consists of recipient addresses or aliases separated by
spaces. Aliases are defined in .mailrc in your home directory.
<file> is a full or relative pathname, +folder, % (system inbox), %user
(specified user's system inbox), # (previous file), & (mbox file), or an
expression understood by ${SHELL:-/bin/sh} -c 'echo ...'.
Bud1!cIlocblob @ @ @ @!aux.cIlocblobF(cmd1.cIlocblob(cmd2.cIlocblobR(cmd3.cIlocblob(cmdtab.cIlocblob^(
collect. cIlocblob (CVSI locblob j(def.h Ilocblob (edit. cIlocblob Fextern.h Ilocblob fio. cIlocblob Research) and the collect of the colle
getname.cIlocblobglob.hIlocblob^head.cIlocbloblex.cIlocblobjlist.cIlocblobmail.1IlocblobFmain.cIlocblobMakefile
IlocblobRmiscIlocblobnames.cIlocblob^pathnames.hIlocblobpopen.cIlocblobjquit.cIlocblobrcv.hIlocblobFxsend.cIl
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v7.local.cIlocblobjxvars.cIlocblobx version.cIlocblobFEDSDB ` @ @ @y.cIlocblob^xUSD.docIlocblobx
v7.local.cIlocblobjxvars.cIlocblobx version.cIlocblobF
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.\"

.\" @(#)mail9.nr 8.2 (Berkeley) 5/16/94

.\"

.sh 1 "Summary of commands, options, and escapes"

.pr

This section gives a quick summary of the

.i Mail

commands, binary and valued options, and tilde escapes.

.pp

The following table describes the commands:

.TS

center;

c ci

lb 1.

Command Description

_

- + Same as \fBnext\fP
- Back up to previous message
- ? Print brief summary of \fIMail\fP commands
- ! Single command escape to shell

Print Type message with ignored fields

Reply Reply to author of message only

Respond Same as \fBReply\fP

Type Type message with ignored fields

alias Define an alias as a set of user names

alternates List other names you are known by

chdir Change working directory, home by default

copy Copy a message to a file or folder

delete Delete a list of messages

dp Same as \fBdt\fP

dt Delete current message, type next message

edit Edit a list of messages

else Start of else part of conditional; see \fBif\fP

endif End of conditional statement; see \fBif\fP

exit Leave mail without changing anything

file Interrogate/change current mail file

folder Same as \fBfile\fP

folders List the folders in your folder directory

from List headers of a list of messages

headers List current window of messages

help Same as \fB?\fP

```
hold Same as \fBpreserve\fP
if Conditional execution of \fIMail\fP commands
ignore Set/examine list of ignored header fields
inc Incorporate new messages
list List valid \fIMail\fP commands
mail Send mail to specified names
mbox Arrange to save a list of messages in \fImbox\fP
more Invoke pager on message list
next Go to next message and type it
preserve Arrange to leave list of messages in system mailbox
print Print messages
quit Leave \fIMail\fP; update system mailbox, \fImbox\fP as appropriate
reply Compose a reply to a message
respond Same as \fBreply\fP
retain Supersedes \fBignore\fP
save Append messages, headers included, on a file
saveignore List of headers to ignore when using the \fBsave\fP command
saveretain List of headers to retain when using the \fBsave\fP command
set Set binary or valued options
shell Invoke an interactive shell
size Prints out size of message list
source Read \fImail\fP commands from a file
top Print first so many (5 by default) lines of list of messages
type Same as \fBprint\fP
unalias Remove alias
undelete Undelete list of messages
unread Marks list of messages as not been read
unset Undo the operation of a \fBset\fP
visual Invoke visual editor on a list of messages
write Append messages to a file, don't include headers
xit Same as \fBexit\fP
z Scroll to next/previous screenful of headers
.TE
.(b
The following table describes the options. Each option is
shown as being either a binary or valued option.
.TS
center;
c ci ci
1 ci 1.
Option Type Description
EDITOR valued Pathname of editor for ~e and \fBedit\fP
LISTER valued Pathname of directory lister
MBOX valued Pathname of the \fImbox\fP file
```

PAGER valued Pathname of pager for \fBPrint\fP, \fBprint\fP, \fBType\fP and \fBtype\fP

SHELL valued Pathname of shell for \fBshell\fP, ~! and \fB!\fP

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```
VISUAL valued Pathname of screen editor for ~v, \fBvisual\fP
append binary Always append messages to end of \fImbox\fP
ask binary Prompt user for Subject: field when sending
askbcc binary Prompt user for additional BCc's at end of message
askcc binary Prompt user for additional Cc's at end of message
autoinc binary Automatically incorporate new mail
autoprint binary Print next message after \fBdelete\fP
crt valued Minimum number of lines before using \fBPAGER\fP
debug binary Print out debugging information
dot binary Accept . alone on line to terminate message input
escape valued Escape character to be used instead of \ \ ~
folder valued Directory to store folders in
hold binary Hold messages in system mailbox by default
ignore binary Ignore <Control-C> while sending mail
ignoreeof binary Don't terminate letters/command input with \fB^D\fP
indentprefix valued String used for indenting messages
keep binary Don't unlink system mailbox when empty
keepsave binary Don't delete \fBsave\fPd messages by default
metoo binary Include sending user in aliases
noheader binary Suppress initial printing of version and headers
nosave binary Don't save partial letter in \fIdead.letter\fP
Replyall binary Reverses the sense of the \fB[Rr]eply\fP commands
quiet binary Suppress printing of \fIMail\fP version/message numbers
record valued File to save all outgoing mail in
screen valued Size of window of message headers for \fBz\fP, etc.
searchheaders binary Search string for message headers
sendmail valued Choose alternate mail delivery system
toplines valued Number of lines to print in \fBtop\fP
verbose binary Invoke sendmail with the \fB\-v\fP flag
.TE
.)b
.(b
.pp
The following table summarizes the tilde escapes available
while sending mail.
.TS
center:
c ci ci
1 li 1.
Escape Arguments Description
                   Add names to "blind" Cc: list.
~b name ...
~c name ...
                   Add names to Cc: field.
~d
                Read \fIdead.letter\fP into message.
~e
               Invoke text editor on partial message.
~F messages
                    Same as ~f, but includes all headers.
~f messages
                    Read in messages.
~h
                Edit the header fields.
```

```
~M messages
                      Same as ~m, but includes all headers.
                     Read in messages, right shifted by a tab.
~m messages
~p
                Print (show) the message buffer.
                Abort message; optionally save copy to ~/dead.letter.
~q
~r file | ~< file
                   Read a file into the message buffer.
~s string
                  Set Subject: field to \fIstring\fP.
                   Add names to To: field.
~t name ...
                Invoke display editor on message.
~V
~w filename
                     Write message to file.
                Abort message; no copy is saved.
~X
~?
                Print a brief summary of tilde escapes.
~!command
                     Execute shell command.
~|command
                     Pipe message through \fIcommand\fP.
~:command | ~_command | Execute a \fIMail\fP command.
~~string
                  Quote a single tilde.
                Simulate end of file on input.
~.
.TE
.)b
.(b
The following table shows the command line flags that
.i Mail
accepts:
.TS
center;
сс
1 a.
Flag Description
\-b \fIlist\fP Send blind carbon copies to \fIlist\fP.
\-c \fIlist\fP Send carbon copies to \fIlist\fP
\-d Turn on debugging
\-f [\fIname\fP] Show messages in \fIname\fP or \fI~/mbox\fP
\-I Force \fIMail\fP to run in interactive mode
\-i Ignore tty interrupt signals
\-N Suppress the initial printing of headers
\-n Inhibit reading of /etc/mail.rc
\-s \fIsubject\fP Use \fIsubject\fP as subject in outgoing mail
\-T\fIfile\fP Article-id's of read/deleted messages to \fIfile\fP
\-u \fIuser\fP Read \fIuser\fP's mail instead of your own
\-v Invoke sendmail with the \fB\-v\fP flag
.TE
.)b
.lp
Notes:
.b \-d
and
.b \-T
```

1.2 cron 3.0pl1

1.3 Debian ISO 8.11

1.3.1 Available under license:

```
!<arch>
 debian-binary 1426416754 0 0 100644 4
 2.0
control.tar.gz 1426416754 0 0 100644 1683
X[06\sim)"uAe+llRKvh
xw.<7>Dm#4 ))'@wPi8u~J?5?K5q!9fB(Q-
|",K.$P.R*)M?O}e!LUnTqdD2Lc$L,O0i9i56s,N*I_~N<I4}O;BHq3NF"Y@(H$cWAD(S[',` KB&"e,%a_[u(>gL
J$ )0$$
~b;4T*q,4X$~(yS$LXk5MHYJ2g<3?>rQ0!WU)Y&(r2|xc^W=.3A|3$M`5)R7bQ+3j\<|Ziq3U/-
?.zsVaUR/[!A<YatsU~:QpBlYn2xf3q[fQT1*evma{$"65m$Np5J7KePG@#?5}2 5rQ0./tRb$!u@&-]OiVnPE!1K
vzhV@?%&xh'-@H!R@eiXzYDM`Vd3agstyQJF:BU*^,r8by XKdWiA^2,g{'=T
ndl<h/ ^.%15V!`p:G* <g/:vjnp92T(Ft]uGw^;XVJJ1{bM6U5CsYtafBgT+C7~BmMw
_W%ch._5/^eS4YI^b;+UNNe_gnr<)}]GNxN+rUqFd'0a"}{.+XVXX q02F`[\9]HJ?$C";/Ml
H1]?)LGwiylQN6Q-i7iS=6g
  \{w \le Y = \lambda = ? [QfYw ycM03u \sim DW6eg" \{ < K7CL + < Al\{nq?Vk[!s5+9?ut5] \} \} \} 
|%K(
data.tar.xz 1426416754 0 0 100644 79816
7zXZi"6!t/]}J>y&TjDga|78r=(O2zikc3nZl;~T@']kU?_+GxwrKpdT>HhG/AW2Gi #2@r{8]BPng n
+8\{E)Tf \\ \\ o!. \\ \\ i'r'+w]`K|Src9^-QU32b\%D\\ \\ l*LRC0IwDzT_H\\ \\ dV5=-n'h5UACR' \\ \\ \sim \\ \\ s^G''9Z:!pwy\$\\ \\ Lu:X06 \\ \\ \sim \\ \\ xb.zGN
NeW>
C8L5%w957m1sfmkH|/BE;G"TWo|]kzAjYz8IG
obM!6+x:8d5N|19< p+u
ThA5V}Q6wgMBl1OXS);:PJiR7g"|O!o"]aFQ
^{9}r - HJLYosWsK0 - :< E^{:/^{.}}(*i^{m.*OP-k0} `I7\&b + X - `I7&b + X - `I7
 Y<4iH~{A/'\setminus w9a2'ON[G2'/Z(oMN]D.2k<2"0SL7DpB9UNy|![*B&L^?f3$=
 "N"-OxgejAbp,(qlR\mLeb06$O' 0Pf&#L.]]GsA[;j&Vw 7X9-\zM q|mN=zsCqXW't!N&@2/v-
=S:d5Yy1#GdK2;p7V4|cX0?(>`Z79}g%pRJGIkN.As&O!TBKU,Llp-]LN$=;fvC`|.,Wp^JSyX0rwQ'ZNz\Z/
 v(pm&_>[{!%/I;h:$\^|
a H"J0 K_J[}>|SWZSS"&a7$t0^~H=ChrVh2
 IEhT6:@?uU9!]:i]
  \&h.9: NMvD\$G^X)oQ < yILX1QT = mX^gvtU)2\{pK \mid CAOeR) `9* = yLW < G\#un. > ty@6sCxM4Jb2tXAOER ) `9* = yLW < GWn. > ty@6sCxM4Jb2
 5\%w{e~$tN}9rl%Xm.g_gxs:iK=' I'>PqN=KVO_9p[ML.j)+K@fvsL$
 uqt#C/J2wU!r$&lLVv\2#0&X3\S
 *=R014ge97fSD1/
 S
```

```
+yw=PqGB$c"T1YI^8g9v2uTh0:(81`# { |*s5o>~-e>WuuLXBDKqm8
y < gu[pl'TvJ?/-P**P-yBT] < A7hnqO%:fQfm>#ceMKWL[e~'{}
p/8]21hWX.QjWERD8Qu
J+.W;]5f6 {czPW+VN#94j(y-PF+z-8(%
:kJfC@_lD~kxdd.C/Y)-IX]Bf]wQX b~$ g0hesi3rFQ9.+R,
G\&) <8%^mN4x13Imp1pyd;TZd(|3
=@\#vK\{+\$I\&W\%AA?p^UV+Xh^M*nL\}Ksz'''
aKmSZcX:+/n3tc)\#e8IL\sim d@9H\$|H\&G~ZfP\{S\#QC\#K
b(*^Mwj,g_?A
p Nz0'z>4eb3F@j2W.P\%5qYsF`Yc\{m*RnB0,2U~3;
^c]y+Uvx8qxw+5Etdv,g,{J!UQ1r+D&[]*y\y>)F<w
|# '->
.zYz3Rh{L~rs|w!ibc?K'
]:OPbl6u%;pRUv/v>vNAv'F}CH4;
]^PuJwS6ZV@&d(C!z`FttK?!G0/lgvO#bHGE}6e!_x(~5U+}d\4MunlQXXX5"~>>WJq4BW7je\Mj2kzbRA_CvNU
1!UR:!=NCc1
H.zq|)d,*@Gw2.OG3f*1wJzC*a,L2ghC]"4>KQ^OHz?~vRQ7vR\wmH#/3$X8H
6;hss*\CX,7}0$0/rsoH"\.//"X\z%6^;MH/A3q!m0HJdJYDng*rA5XC
bCFu.2~&,x:wBRRnCxiM$4`avlr"j *\w.LwqspR/)N`5cBc*1v>0D|c
tO>v:ll6)^J*CM1u9m2"6uk#I!i3{iKe9H%rU
~ <\zfW|t3)<m@qtb/qU^`vQ[vaF*IEVNG?#rZ~[5Ji\P8/&W &ajSw}0(I.#3 2t.M2 "5CAo`pFQ/|ro0?gf j^$mu
]r#l"9\fk\L?|x
mn??Yp;vn/vWe")g)&Sc 8
j[=rNIGX|3 nnv 6RTq,Xs*/o|<eVDWGbLs>;5%~&*|FScG..3NyYjm\![e-r +mAEpViM`(x } T3Ft+M\
9|x:tz](Z]x?9\},j7|
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) 3B{
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PmrhbsW$S#R7<[AJ6>+}st/o H2Vyfw U[
y`)efP8RgiR\dtpMV!.qy5:yGmJ Oy!=r
CRk>Dx4,ygZ``zYWZ
kX@M d0u@,' }ahk^ \UTVem
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O + aZ io GJ
В
#?:BYZDhws*",i+tPAY?,a}\XPK|uNm &,:SSZ2>`]svDG[,@ k+TG<?]bU8o)SZ&0FqYnYKqV
W]X|fqcSl\%y*\_>1C;tjuQnyTI~xXV|~\$S~PpD0FhgNs8\$sfyybG:I\\%x\sim UECs\_<!RS0atM[f?w]
e|'2C7STS\backslash A4tbQ-h@F=4kl/T9S\&xENm\&e(P-u\}\sim)W\{0W, w\in P-u\}
]-M
<QlA`6jJ@1]$/Kq_ Ta`i?LSgbD'PYzt&g$d@KoG;8auj4iMY%$U(U"DyiJ$clp$Z%lhT641*^
JeX/d"pbkzBSFs(^oXy+;ZqTlVy&4+(R*56$p&\#<JD
k6z<o>cU{SCu%G*}
```

```
Dh4+ {q 22MAj6'wA=?cvHnX4A
fs*PyO7|u+I+sHv:uRZv38 99zmb oF5~Be;|Z?7L+3C0GONgRNLz3Q"'q<[IF=m,J"&sy$~o`R\V>j (kID
773M1O/eP;J*H9Z^.zmUi":@6f 0"D)&Ofw!V\/2 m!
h[p92jS#RqRzB))rJ$j0X,7}~$9JKr8WS td/{P?,j,yJd5@Z^nJeT!}~kxQqC{Pow" C/'}4KbMew
?>pS=!jxl://P
cCCk8$>gG?TQo]+6}_av=D%69AsHG\{}7Tk?2He0,9Z}'/m)%]Kf^*ySG/(p2A"/q"F+CY
X4LS^o B4E`*yvrBEyX\7om*Lq/y$h*KjGirI"b`zMR,3eS8QL ,0c \KO e{PVjW|T:c DkmU[Vjcd9N$"22biMs5J
%73LBd;6JFi FmI6z,?Alr/]N:'RLkqx6FJV)P
WsA2 au#-jy{cgFrT)Tl1<
ZcHc2d^&YQmkQnP[
B\sim gIhnz\D|hH=Fx*\&9z6IE2VJA\#i?-\{ekP\_WbN7j^Anp>
GL < f^g{ZP} > 1 < @k y
\ensuremath{\ensuremath{\mbox{\sc V}}}\ensuremath{\mbox{\sc S}}\ensuremath{\mbox{\sc W}}\ensuremath{\mbox{\sc U}}\ensuremath{\mbox{\sc M}}\ensuremath{\mbox{\sc U}}\ensuremath{\mbox{\sc B}}\ensuremath{\mbox{\sc B}}\ensur
dy < P > dted
SkoTe[^{y2\#p}>7CEo5o]B(Z+tHNWM\%u\#jaomk.?MGY2|'|FBC0),q
_pVDnfx @E~K TKKDp4[
&c? iwDz,u<9[+.J;V
E9Qu5o4vr
.oq*Lj|J)OwpfHM9q(Ai2A*hCBJkhKD\#a5y|V_qkBi2:\}] + dK+)GZkbEkF!=UlJ\rPHq4+(Mj7B)
k.n(s2eWVsB=T^+qZiA)b{]pqwn_$([Y6d>xX-.quy]\%#Gqv<VNBF]^pbr"0Xh5c\CfGN%y}Q/#17OBbL1B>
6m4&
=r`t}h%(|9:MNFt'B xV~MVFGp&T
iq!"HjvYT/jHF}|HW#sEz{'L
\{U5/j)@:`':T&&$|26[YU?b\sim)Y*<g='s DwNy0&2w)AZ(tCh.zRf`q|z$*O&B\}
TjIsyPx"A fsl%4% < \#D^K*_a1OC5R)0I \sim aW
q9OTU#uFv<RyZ&OWj">Y~%;5kpJ{D
At'vEz(jvH*$R7v. \&>\%)Vr(=mqi,{a2
+B2'-w-koGvOW-c6O']_;"xpP9ht|sx~T}AlE7I<S6t8Gg[\#'3jIc(DaD#$y6\|?;_Y
E+BT|@1.+ojaq[I11'r]iv:6jZJzUFw r53)GC-S0{P:QD]"xm*6&z'~%:asqytiW4[ HeQ4+Kb
yai)b{A/U!5[r[0P t5Qb{aZ$/=#[?tXW3-%^Bwez5smo1$ih]/n!`8wJhP?1emr/@/ZUP{*PdPE W&{|FT/W&.)ZK
4.4AL)5i\$m))|>Q7'!I?FUc>'.J0Y''O`zAN1Y(7c(I=IG)ak_f6Tn-t;|9!DrqwpM=3<oGV3/4O,vZ-mmbK)|
4fK514FbsGo3`R:zZ
k "?ny_>?aS*ZHdy"\4xEQ*.T OjqJOM
r 4-'s7EKV5h&)EmW#b|NGsJf84[q6=Vt[%K?.6>F cd-v9
Dx&xop
YlrbG#Y*qN9pGPRwt>%[)rx+] {;f/N@[Ee
m.flfR/nS'yNu'p$I8k$m=LV`>w+&w,r
#G^12i2M^lMBG.v<5Xwo|niftY0ZNT;[XaGbMq
5+%:%JdKz8rJoRP.rpb}k%,\EDF@8l^Zu8:kk-SS.9+aqq<7-M?
[y "0p
+D*.`[]W8hX9d#CgsA,$
5UV^{\circ}q/-\#t,C0<p:%LNuy1Yh"[)u~<"3~A}@%N:yC
{"DF@oU;LTgs]0gusU3J44sG8Km>2-yFlqz=xb~{]Y|/~\#X(:9*;(dE|b|2=!6'H>Mn)}
>gs[/F+ty<>V6bGr<}rIHlHy^v}vr-'!Y!m,9%YBcCv/Soj] lJ(+S3/SYMl'y[ ^'m(87,VNLJR|
[/J>V7F D9)n~at#<MaKZZ
```

```
3HQ37n78V#J~g % w^n:1!pU.h8Jl 3[B3,;C,]>1m2\i`Ipv`^Lf)8D K1kna%0)=zlcql7<$G7C>Yu{>n^9%De5/`iJmRZ
H?Qzh82@4};@|ZP>bf
 m:+OdojanpDBJsm_QkT/:"^eXpS{{2RDi,v!SK
Zb@P[ePWW^G.^_gQa>^y]L
#;3>$mwqPKT?S2p~4~Y;<@`y) 8/dn7X6s&.'oUkf0x/v_DW_f
 zY?)`}2J45+UN";cKQ8sbhdea7;to|\QZ&]vSP$S.RZo
O}{pe $Ypf2Qgwz-r6Ta2 hYU[NrV8V0'PbSzhK-$OOt[I+cpRgn-O+'UuM $GEZ|<p-jGn+ZXnbXi$"8&gfnwM
]~3OJ^x.+3J:AGh
 pHlQ<VrFno
 &FVxp%H7b@j9gpl@k!&@->u(3sO[`B{08pP6!f'yI$`JkgT)GC},ed@mAy
gQQ>TuVns^
 3(6!68sQ4(0E@h\)]
4wnBMf@qjq&kd^1,(S^2)].C1qdyq\{*<^mwqBK&0o2@64rZjzL!7u
 ~nI0paqN&KQc/7{8FeTryk+u7!ne@fRQ+.[TV\NP52jzbp~">guFDeB|[kIKgg4H7u!~/M{k3LBX45JM
 b6QG!fEveFi5n {ub'd\X?H[myresAh?]RWE/VhGcH#8,wDQ60fR(*~fK`4#Tnx[,j8Bx
rSufXXZLil-gP} |Rj!E f*NVZG<X&F
W
 1/i@>qV
 V^w8ewE/l\ QLosFL\IU"eR\{(\{QWl\sim/\ "
\label{localization} Jh@L(;@u0:70 m]/4Fo,YL;;ES^W1;0GLK4B-]('qehSVB\v6\P$tam`g5k0Sf *4s1.l#W'P=z\{\_IG,PXnQ4A|FycParticle (AB)(-1) + (AB)(-1) +
S@(:m=soDL9YQ(ry<FP*BOZUxt2T)GqwJxo"%TEFKXuE~r`Jc[&*>TEA?aX?OPy.|4i9Qce5+K0iw?5:f
 O2CA`9,&2e8pBP'@d?[]OTbUmv @]h4J} jzjKiaf>QaIk3!|L?8}}U\Q0Op1%K
Wq7xIs4eNLP74NS`*a5)E#*g[}FgzW2;n[758X
 ,YRlg?cj uwA
zv}TNXqYOvD=tk(@YM^b-GW*
s {\3\&;y[]sXMi|r.}
;8"VoJ]nvY7,Pjp!;YFop>;To*if.So
U'un
#D7T)y'HJU@N>J'
 !{mn ?z}py#w,F>w%0?Lkx/@ t*1?lSf{
E"F?
 _7{.uW>ey}
!N p7e !StAj^VIB=~P0wJi!AjWok&xNEgnUWk&(,W)X=H"! RUHV.WDy?L{21Fb}x:u&~<%=Y3`,zF
K?oh?o.K0|!7G0"lv)HJz#x@M%IDShW->
+}\BbI j7y=5>XC\ uplw2^r[ZhQ]:5'\$siV,F~p]'W\$E<K+F>BKGb
g4qi-a=N
YT7jU7g> =: R\#9-: od\#uNyaKh aH\#ep. `*^O\TzlH[78\&4q*D1*dGN1~7sz\$ufhI\{(X\/1U"<j!^,K\}R5XPBj\{FNR]oduces Agriculture (ABA) 
ccc = \frac{V??Z:8IH_c}{}
 5dp{gWn_D=4X5TwQW.2}E\%i81-bgU7a2m
u.0!BvSqHY/:H3*r+K0Ic/.x 5x-XF{j3v/wJd<VvEwW5Uh}?Yu+8vdf/^-BjOTy;PmQG
 `mhzr
j∼M
k ^S&4 >- pK [)L SJs)p2[p3eqdqb)M-J)
YP@ },{Qh^b\A-
 kHjE.Y = L/@e > zw3x \ 0GN \ > upi|u)9l!, Wzy\$fP63g\%jI7 \ r3y: VBw\_Yz:O)tfhO!3, [ig2V`*(EHWyF1) \ range of the control of th
>8b
Ph:.he]=a}dYmOJkI TSI cV-m
```

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4`mK.mHbF-hv['6h%,vH;H$.}9F"@[nF0$g.D!fkOr {3'<`zlV,0v|OFC4.ev<"f"&)(=34ut~{cxv|`)'oa
m<|SBEb8I6-,2DR'U~2"Q1v?(P&y;n&G/5\sim^dCnc<oOb'MTrJO|8?KVsbEg[;;kH86Ygz`Y{,L/bp~U=(?-\]|:RL;gR1{}})
5 \k,Jd0\L?&3bV7S<
B!x(ZaL4[N 37.A)]zI; irn01f Bp]CzbA:G3xa&~Z`JKT&=P5wpK7k`bDm/gw:(pf=]b%Fjyf>) _w.&ULc]-
\Wh&Qr{Y/m}bWa>w^ZwR
eEgyF&:A@B0GQ,\P^EHng,%SdhB4gF<*G!vO12DbjxjEF}TPh}8@@or]Q!qs J3MDj IjB`yYycTk$'sA)_SI((5
<!gOuvTy !>]q#qhrRO: }MR{.6];4=m*]Qi%lEP32
U5hLP@k9}r{c5ZEO!w6Na kt_yykNo0(K[Sg\"wE[P+*<
MMFbZV|0=b= 5dSq^565;bSA9Gsm+N
|k=\&QkE;dhM72,B+V"95}p12xV#1~+nvD\rangle-Jg
U?XyQQHj/Gp4_J/I.Ogl%p""B{`VQkwKPcsdd45FqLMi^>`NIboDpR_)4g'tzAH|L;kx#r[!0b?g4@}B$hq}4
zIfBIu@^`:'P-Bj0<|ly-CB3w9?
4K$E4 ?O3AR=LQk[M2|t9D,C5:r&=X=*^=2M
zrmCufbFGCxU)p{F,tcD4T^VMXFd4
?9")oFCSZ\M%:}($Dy eH"o*OMC@Ir
em'' < MT, +@P2Jy&8mW ; C! > t(h%0F*)
:h]|^M;X`cooaL]>DNEJ*fxfT rXI`#MJ$<LBwB#i N:x`'a2DsG$;c2<ni1 @}@=?o C-
НО
vLZG9"PosNCZ+js$Ibg|kp8@tKgHF(7y-FIF8 (*v2B r_% /?HZK :[4Y
a56R|sP5N1\$D) + \#fIY > @"qkD'[\%G(jM-f"n^5>kuxxTV*t[PJY=dc5,-^=:`>VS/'-L-/,C^4[X6]) + \#fIY > @"qkD'[\%G(jM-f"n^5)kuxxTV*t[PJY=dc5,-^=:`>VS/'-L-/,C^4[X6]) + \#fIY > @"qkD'[\%G(jM-f"n^5)kuxxTV*t[PJY=dc5,-^=:`>VS/'-L-/,C^4[X6]) + \#fIY > @"qkD'[\%G(jM-f"n^5)kuxxTV*t[PJY=dc5,-^=:`>VS/'-L-/,C^4[X6]) + \#fIY > @"qkD'[\%G(jM-f"n^5)kuxxTV*t[PJY=dc5,-^=:`>VS/'-L-/,C^4[X6]) + \#fIY > @"qkD'[M-f"n^5]) + \#fIY + 
x6N])15,g+hA2k"+RI'!"S=k`M7%nYmzCCp<qae`sr{wyg,b{KI=9nzDx}^UAM4 -q'.
 @;nB/uPsk_U_E27{u`H@'/goU2O&* 5
x;7pE\hHzt6nU\09tTq
fW#uiS{)PRLTmR~Q3;'^}.;\%uop'5j@wu[@ijnQ5>#@/%HK<7=l:mT[@,
wPN|a.<:>8(|L^d"/Pt_h95gLqjj8K(0< TW('[j/9](z[P(sfGNh<\sim Gl_pGbpr;**sg8_7\c gj4g1\sim:)\)9UoA+*AOH9hRX::9w)
3"-@T MyNa-
sZF\#K=p&xIvLwANRWw{%m42je#B2#8K1r,<\~<d!?F8lNP^I?:]uSCzm?4<VDDFS]?,{Kry,k:3C`@Uy|Es)E4d;
KJmYC$wu8fJgTRXQi 4[!;z+FE46Q8f5fV\_`Loaj0KMpqHn?KAW(Sp5W/BaR)7T-
[\&7H\,P<6(KFa(G)\ tDs|ZL\,h*nC\},Pil](< t.N
.[;?Nsj*MS>:#t|deAM9tlpz)T'Xj)0\{m['ljE_7\}1eGG8-\&i=^Vhum!f
 !p:mLIvz:y,KH(Qk5.|+@!wN)ex|YS:CgAzt\%>!/tO/#\>O5\&*Rq%I
9:%|J4,CrZ!bh1wKNyvAvI<I
O%Bjqb`f>g^O'Df d
 *6
s56O**sZY&QSld88Vq r*|:K.3 5iO
LtP*Kal@/YIenK(L7Sj6ur,N%
PSIYYX<Rx`hRi++A\dUMS,[I6||NF{M^'=P,KV,M6VN"2[\63R<3AEb8U|FS]}
?<LfzJKO
4{11
&fz5VE%YXyP|ab3
O/^{\wedge}}<
%W0+hm*9k4iT0J\5r*
jqX\ F_Gd|iL oO
rW$
~%crtxKLZ@nOW-j h#DsYG6!!;P;~&NNxtU6Od0/k0r{\9t@ K%\_(44DQ 5QLG4}iW~HBX\iTH0J!8#
z \{q"U3Kq>]yS?Q\$V"Ec|"-9mDg/,\%KBE!>rZubdMoB\\a`c<R8-t?rji\}RgT,@(=D*pMBrm\\\{P2'|\{\sim NS\sim yZ\}\}RgT,W_{1},W_{2},W_{3},W_{4},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_{5},W_
j)%*I`%[8Sdi
```

WqHW/&Hj_&\$N q|xiu h:'GS r15Q>O?9e- $F[\mbox{\colored} F[\mbox{\colored} F[\mbox{\colored} F]] + 0.K8 + /[\mbox{\colored} F] + Oke) fgZq\&\mbox{\colored} F[\mbox{\colored} F] + 30[\mbox{\colored} F] + 30[\mbox{$ h8!ye>b"x $i\%BX sY]Sv+JC+_cqW+2M$!^N+h._ MqB=Kb[?Bx+&KAxmu3V9Z@x7fQ+@{njS:mC>'& RG6uv $5^6r57X)hq$) $^1Mh@|+?UWR\}cCQU)\&UzvR(M|5Mr2%vQF$ $!rNK@zO\%Pw/;'m_l\sim ZJU(-USe:q5z \{J':b1#+k\}'!2x JDU]g.K<$ $7Y'ncN'S5jQan > \sim is60/8gb()|pb;XX4=;C$ +>m~L1ho6,Z+#8pC E8Vk~QV{D@?Qra9O,~%/S~SC.o9VS#sNc^&focNw9)obD{<U>xgD]K^WVBV^@znE? $kxDA0\%bPFeI!UotpB(`jQ"3X^oA2!@,xjq\\>HcXX1"y:nnfkm\\&R\#y8JA[V]:RV`A\$!^Z]ibNu<3DP?'[b\sim v9.bnhtCb]$ $y: i= -kd > id0tp[^Bh:/wcSqK\%zyPX' = Cp[!=2X > +v \ CbDL_> \#FPV \\ Q!6 - (\ wV \setminus !\ ">ly; \\ \{k(G_Y3tG = CaT0(f/1jV* \#F5)\} \\ (wV \setminus !\ ">ly; \}(k(G_Y3tG = CaT0(f/1jV* \#F5)) \\ ($ J&Q [$(EK*^{E}$ &riX@%NC=eF>q,p%ks Yu0~^*&zQFgSuL-GBy o.kk(;UDAK:~/r#S:l"QzBpm:&6=H5XL+K`VL\$,ep~U 1;pB]n+Q+\$K!Bw9kjEg4\$aMo*3&v6v&MEy#V_"g"ZX=r@S1:'|X9 y5!0o}~&f14C (%jZxp^V<ZSdZye@RB8\$@kpi#\$:A*5k\\-b0;6w[)V>\$:,/(+"mWT9#r/r\CWK7@,w4u#p6 {"Y6aI\VadnKVW :-[BdI>5q;]59y.DCOpY* vBwb@b8K4 N)GDT,KJO'wR7's[M?oNt)TH.vEzcq#6X{q10i>r?F\$b3N[c@/E0k<\$WzE9,7nrZ\=K"vm]+0Lh)wa&gi@@cF[T6Y-F] $K0wCD@J@\&(Dn\#jqu.QpWi\\\lor U9VLUXdWY-R8\\|B1GV\\< x09R0U27hIY\\\gt Jv29,2fT8L\\\gt C]=Eoh\ iIlL.\\\{wPb!PJ-R0H,$ ig@11M9t,?OaI ;V!27~k &bY/uIg^ vnv0f@u<Hev}RQFN e;Vjf\$35D!e $uP)\%flp^*.K]\}O!mD211t + e:B < I/(WEif|3Df:.HwGB8R;M8kuZh"@wRCnC*rYeCE ~ gjDQ \{>=WD-R0, WBSR;M8kuZh"@wRCnC + gjDQ \{>=WD-R0, WBSR;M8kuZh + gjDQ \{>=WD-R0, WBSR;M8$ WnR1.Rl\ap*^<N|K*cD3AOnt<@|P9[p'qeL)NQCV g~!&ptzDjLLTH,ae'r?iJy'-8Nscj8?Gu%wOj8z>7e0JJOjTsFd}iHvq6'fF@e`pc\$uu:8i9!KX1 LQ(p"e/.r=^"2Spw48L%:!yf]^zYF,s $t[U>-d g^xmggb1"3=c=@!1Q_$SYd7x`n)&3EE{"B}_4{Q+*wg(><`R+)}$ 7iTG!}vJG 9|v6MPE;. 7=hW|1r5K,-b"b}329DDZ2b@liwNJHEohO%e0/9M3~l%QQ.;J4{r8 L.vxBcFslq\${(IZ{QkiS3y|I%?b.D@;t5m"SU><&(.xtc.>\$@GN!T Z/u[TctRH'T{>Bns:-g4H ;mSr0*86sFB^1 ;|G6-EBQXpw<62Y>q5dfi6w7ZZ1pmz 6-t\$zO\$Dq"3@7x`I!rqKn,/.b{>)?DL n7K} q:T;G6~\$br FkGEe-#_\BrpZ<ka1qhi4m3r MzcB^ w?,|G1UdAYxXXfNR3 h|Tf0Li-f\i~/Pnl $X\})(6R*zl'DmZbBwR\sim F|!mhKL[]e>V8krTTtL0>;iU\sim K+k:?I\#IBSSPg\%?(\$Ic<Ta0xtQ+yFvPD=Yod_-V8krTTtL0>;iU\sim K+k:?I\#IBSSPg\%?(\$Ic)=X+k:Y8krTTtL0>;iU\sim K+k:Y8krTTtL0>;iU\sim K+k:Y8k$ $F:h@^9p/0Ky)CVi0e{,/s*}$ ^zte4e7)7_07o3ynIO1.Uhi $0mNgX < gq7D75\%sCM*p* < uN+yTWj,\%CMk1@-i,=/(^\XXZCzX2Be01>z\#O/b~l]e*$

 $\label{eq:continuous} $$ 'u+'mDC$ <2$ <= jcuqj3:S-wYF2meN.@U*:IDK>)o`DF&u'^9I/{<I++|nWQNjWs;95mAl:=9C@:i::&Vb!E} $$ $$ $$ (a) $$ = icuqj3:S-wYF2meN.@U*:IDK>)o`DF&u'^9I/{<I++|nWQNjWs;95mAl:=9C@:i::&Vb!E} $$$

On:r*75)N*P0jStSCe{y\$VG9vEB++(o^8}c+!w^@;po \olimits_{99} 0!-593g~%p^/^J5?)i9>3r3o.=cb!Oa-3t3MK@2|</XGEFD

```
H}49CT
EA bu
}O`X!I0_[Rx]W\URRxYbL/6e[{p
x;9D:SPkL)X`
h]A < J*V2s'(e < q|+ix\}J\{dIa`Y-JEAOJaQ'M?QYlQZ7\%||4\sim.
+vEa3(S3;$-~l0qGS26pBO`NQed<mTTbXMAsX} =L
=#54HQd[\3%rw{M.a"[>.afrF"x@[D)Il\l}R$t|Xrh@??89[f%;a>d;XVaEjDB~,CYsj=s9Dsmj*@"ujiIS2r](|3B
iDK1{(9@CETGJ)2n7LSyEy}@5e::[O+Skoo-4:r01Z2\_no]y {X \n7<Z}
x!pG_j)niTEUnuT f#&82D-Vlr>Sr
[xrV!2DC9>jCW]1,=39'qsv#(dU<bY!J@<.+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$>["f\qGag3,7" ?JU^*]1,=39'qsv#(dU<bY!J@<.+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$>["f\qGag3,7" ?JU^*]1,=39'qsv#(dU<bY!J@<.+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$>["f\qGag3,7" ?JU^*]1,=39'qsv#(dU<bY!J@<.+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$>["f\qGag3,7" ?JU^*]1,=39'qsv#(dU<bY!J@<..+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$>["f\qGag3,7" ?JU^*]1,=39'qsv#(dU<bY!J@<..+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@<...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@</...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@</...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@</...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@</...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!J@</...+V*&Oa@H"[[qV:qR%tXka$]IfwzEM'Hx$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv#(dU<bY!QR*tXka$]1,=30'qsv*(dU<bY!QR*tXka$]1,=30'qsv*(dU<bY!QR*tXka$]1,=30'qsv*(dU<bY!QR*tXka$]1,=30'qsv*(dU<bY!QR*tXka$]1,=30'qsv*(dU<bY!QR*tXka$]1,=30'qsv*(dU<bY!QR*tXka$]1,=30'qsv*
jOQZ'|DHq \sim \land, ilY:|\}
(q6k2U{e31.bSMN#fq[jZnG_t{x}m
2c;F,/^3:1/-hiK }=S0mU
|LBI\{A(8(BgJ*\&@v<1Qgb;;[\sim N9DHrGD|I)`Vw(H0)\}\}
_Hu:;6L%bp,=T0=M!/mrcq_m t,00:a< 2<_sQn#Lzh}khW_e2+}k&ce-
a.JppFTh6r:NYH+5;AJ~gwJuW'9{XVC"]es/,e}{
Fcv\h#819T(tW@^z7I0~M'=:-|F_nxkvDqc\$J6&,6My8&S2$m1ru'.kUof:8
_}g2:_,>41bY9o1GhG)857Q\NfCH3MVY,W*He$5Hx3ri
|GZJ' {b;B,CG`*7@d(V#O!`+%^. j$@nR[I.wcG:&8<%w
TGq>d83=J4eW<O;`B"ps/dW&Kci] #|ttnmOYes5bQa<N:AToV~vLtrVYu?i[!{pWem Lq\a?J
+QQ#<"(?u%I:kd&+hL[H^2rD#rPUQi@}`12"MTPy<(.(vA\%69.|u$taxV}H;`V>%wW,}InO/6T#,kE0}fw~Q-
QEKf B]9noEsQhYiGkQ-%m q
XYd2G\Q!S1o[Ht\%|x.k<=Pmle<U$|k#@E
RGL'm@xMG!b zJ,#>P_]xZ p2amNlR@;?'i]peNx?9PEK)/GQ<lBk@J$.g"4S.2.x,Rk<C}qT:?^/8rK
5s\qr) :hRHI2z4%'LGLX$ %!.x1Z^K? b@
6:8ye\&-4u.YRdU/uV\#tXG|wxNB=\efrat^|ar<v*(
:P0|LZ8r'gE!LR9 og
|StweFX+G8A[hfl+gxrcb%lb*NMvOui,w:[E5H UbYj:1f.W\fd{A015j]uuF+?YL Go
Q)JkZ"KZ:V!AEVLD,(=3)t95~.Ez$QkKVTL$E.%Z@2/<KfbVGmfhc`1#{Z4?Pgd.
I[E uP>T\backslash G_Pf^{\ }_fOa\#80
.EV +;N#(kZ23yS"dVW8" 11&[Y:leA}Nb%6[
tv8k1*BV 3~8-61c@:(Of%n5w{;a/>:
*y;!Y+BlL}@)%j:jVYQp1}EH{Y=;$vq?5oM@NK!1ApbSMe"~i?v/Qf@K
xyex6x+X7@.h3zukRY)KR7 < Gf
'^sEX>Yysaua$>>pr
|$]z6v7a5.n`ic=Av!,oJy><$1[LU4!o&]6]zA#+Ke5g=EuU7AaMKYCO=.HE;/_|v3Wk8f^*n3<"8i&W2{?D)SHMz_
5S~Cl3\Z?f4nQd;oVOBa L
2zA85(OLv;JYKJ@[=,Ow,2Dp\Yjf[_d-'Vsr]./c3JM"qQ)lAevSi
s0bn=qwZ='1{4Z\slashed}S0\%y|EJNMV:W+(`DIOPvn03ACREGf\_\sim4N`8S5o
.}e
rcfF!{m:`mDEmEGdk<G(]<T
lbfew\.U<H3Jb:9
z;'y8:5,Y2msAZbGKZ p>@iRdG-"](cFkD##FV\Kg$
QmZGKtU/vSv{kj?X;F_kwGaJAQ9:t06d6|L'XOV
<@iEbMvO&38Wj)/{tH33<d"
```

```
^+g3 < Z^*-j3Cy/~, i*tER 9\U(\{_"c>]
N'ML>&mM~8JuOA!;J*sw>)WZuP \)ZdW8<p)~~cQ$4e+ag{2=!}
^{ada} p=^J.1*R\sim i6T@ < e\$BMX+C7O+; P\sim -qz9HI[acU3Gw'hEv< "aQpi"]
E,&K>BvrhD=8%qW.:df0wEK}7f&s*I
J!$/=iGHZn$Bf<~
}Sw+z=Z""#)2Uirw^gx) %V Tn>;tA95^pxw
p]B\+E>\#K/='X==y op3*f=B A8g?ZQVkW5B\2Oadk\}AMf)*fYyy+I1jvf1
1%,??A(DM~L#=t&o).^TTsFw;gXybJ=i
1c*,i}C.h4u;agd!i~J)VL8,
MF8(S ZQ" PbZ+K;$&he]Bt1tFRS1IXofzY[o<YI)6#tmQY!Vu<wX4#Pw8U+k"@
ae./-l(R\sim"\%kWow\%O?{}
!3H
 !obp+\sim;MWxtTD0^{Y};KPamM35\sim i=jJ
Z3 DFxJ@S4=yOq[&]R6}AQK8( v0>_WKzkDPFei%6R ,D@w>m9j@dQ6Zs[`#dp$|'NF@:^kKn^TO
2"i[]Q}6}h-
\%7E@\&{F70I*P9ot=i\mbox{m,Gr}<E=4} P'{g}s\sim x
"UMxj4ehH9;viNS\&eCPZ\}jIW^F!=\#G\#Vt)]z4m?Ihze1WFRJ\sim Lni=\F\%40I*w]c")"cnE:::EAkS
{M?io6V
Q[M(
>Tr#Q xHVxN"k[[>HRVSl {nweG>j9)XaRf=7T7TF"carZg'V
q\sim X5 + [\%B\sim NX891I2\ RZbg\%rDRL\ E\backslash [IveqVxiZUf6|aZI\#kw\&\$@yWyI\sim PV]
)b9sF0GLo>k(Y
R/B\#\sim s+[*fz]|ba\&Jz6;
R\%oma\{P\}E\}""cKOD(aI6~jA?O\bdMCgV
TsjrLU9a{qVUuVjIs/:3oTx}mu!#2k37a.)M"k<k*rTR;kt&):HM}UKf3vG}#6tHT+bUD^Z.`jmkCU+HY~"t3maG9,
xC$g{MT|Z/`CxfjPHy.`[r&5!
 *%W.g[KoJ5W(cCzQx7ulQZCX^]la`Mkfog.Cn#Q,^U*LuDQ&x^UwcqF*t0[5z"w%P.LxAaQUd(eX4(Dv.tsRzo=h
S3'Ggg?p
6]ObX1?91.$q"$z4n_{1nkJ,MSr7IY/
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 AZs2k << Ci </o" -um/k &> Yv)-
wc2J,={.~,Q(LWSP,!2kZ};,3#cTkZ8g3HJ)F1RCC>oVuUR*;r#GWW`v^?&SGTg&0W2oBOVo9Q-
H,[q?F~I..U^/gJ@9sc7>%c~@.CMz3qrHjBukSka *'_-:*r!ACpn59=qz+M
```

```
gVs#J;OMoT@|
#6v9F98uxv.-18IU}J%/{y
EXL
 @ E(z=9Tb)_ #D&tggD'7s]Dl^k,tQt*I]lWrZtv|a~Ot/VYB;G&,{yK-p4!S^klWF4B>I}!TFW"uG2Bjt;+
 \label{lem:vc7-n} Vc7-n]k\#); \\ \_9|qqKC[i0,Ua5Xq\#'<ye\&`VY5ejQ$tR\slAuaGb?8dFZ9S!>C$NjIEqiC3;rVxEMN|zoXc(:U?U4K-R)| \\ + Vc7-n]k\#| \\ + Vc7-n M| \\ + Vc7-n
P}-[u
 .W9%;.Seadg?-GcML}
ry=;!iYJH)G*jrM<[B&-.{JsCET!ir#-KzYu<i0CY$vx=B/I> u<#gp:L1Q*ew;} W&8QV$OMpy:4i4r=ag{!k
 GzS=S@>ybjl95=?@P>|@F1dvgm!Eta^B1N8A5_^-H) t7d"D4Y{,]g\%Xk
^==N$O+dQtG^fJBLIC;8v@ ]pj8f7IUa"DX s8GEOB#n5G&r*BU$t555c?5;I.2mwtwofklsB6vWxg0x*/ $!"36yD
A'+NPo} 18
:r WA(Mi0!;ls0 *467
p!Awdo,e(^v=i)
C%bj"!r0cMa@tNc_5ztoSZ9%s,YzNC}Pr^+Pty;7~C60q9([m
 -85a4fm#]o9+@2S-LY$Ec-JWA:VC
L M6m!vne; lekhVVa\G
Zqs:Q8_)NM(/R{qaqJz4}
 'Wn".eez6v$IlfYFT
CTb\{[h_h\#\sim))\}w'V\$^{-\alpha}U!kD+?kglHWGIM,jhS=]aao\sim QxYDZx>3q\}/y.
D7~S`7`$ck4vZlHQTQdw
 .W0
 "3S m?\{4\}BPlaP3Yell$.1=
mYVwxvih4RlyWZCJjlj'\_\sim d,IAJ5*/.*3(>;iH[.FDEl< N|o(b) pcdc
4 u><-j|iM5O|haaj);=g#WR&RyiV+tk.@\1@M;T%s#/8$ &OPSHUIS)1<IZ%DOq8JDtS$O)s,(y\=(qd; 4].y8L9$
hk)kn_cq'1?~ng19<~8]f\%qZYwy,U4@5reN3\}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\{/ydm9Q\#5)xc791`1k\=F/^{89\%t/z}|i(w>t1,N|@/Faps~H,c;VWXZ4\}|i(w>t1,N|@/Faps~H,c;VWXZ4\}|i(w>t1,N|@/Fap
#U?" dH!#2z@:|.Kk;nvnal`%:i%PC#gGfeW}v/j&hjQP gN&
K:6mVIIvg!\<HZ<.MuSy
jrr0 |[3p-!z`|^f(R:;
>]\h7 V,}/fd[1J9 q?#,fTE;1=fbJKh`H<s5B\K
9q,1L)BHTLHs=SK?kxl=`*]lt HevM\\ZJVz3
RN|_#5J0h{ hVu
vd@`}07cpWI5hjhuV~SCu&xI%2u*QV1)&p
 zuDX1..=A^zE2'w2fx2Zt'=NL\{dG[L*\8i; PLs9\%'\%
^XM !9M5L&Nj<$1.0YB9`92HarYv7*U=v(c]D!@8Qe0;}fwo>@|`~PSq`EJB3)
Ca]fy]P'6ly0cHrX54QksI\{\sim I!=Uw|@.aY6tA9
 _@^iwiixvW|.T
o1*K3K><bgRBS\&=w[
wdWYAu+!
5%@Fol\Ul"}pU
N)}AGYw=\=poCXdcOrnnj;EnC?6sxGTE(d.}^;haFGy36(L+vPRr/9Yu86nY)K)QC1mtZ@`'b$evE;!$301]
udDuHB_!vNt:`k-6=-LTerQ-!be@ 1
 +3G<FmRuZv=Vh:Yg>";/9cOuFnl&x;D`x&jyy~G5,\:Dh<r;"{ @&(Nx8^xF!,fCmvWJz<
 )]SU3w:0t=3UQt/NAvDuO8,cXqPjB<gB&}14&TZ3w5"t
 v6Xo#Uj9- !HtCvKP 6<`Ce 21lnDX+JMv6{iT;(vm1(o-Jn=N!uizWw\ek
({3:"[CC2U"1.AT;SV0_K\Uiz/9o)"4}KISnOIk#F,>
 vvMXo!?DV3/*!X"eSh[
4mVq5>4wE+E<Tjd[Uo0p1]
```

```
eZTc0N7-=uqlX}r0x\qFev#Gcw]v$Yj 2k~1
 1PV'p%F
 A\RbPs/Uf^MvKk)*U=;8N1Aa@7C1uJAo
 QncNYlE6[D$ryO}@5TBiMRW~,g$BZiE2
/yY&wI::4=@\^.j]/Gs3!>BfN~x!jV/I_2[0K@iO_5Nm6dv.5.0',BbeAr6<.Pe)!'*)3HEXY"8HwWA$<(jE~E{[@e4M
Hx0}H8!t
h2"
#1
[MZQkjVjHV(Ig\^s24NnV5q
FJW<i3"#3:^?IG<{OV$$}!bi^x{tpHNsbn@!\X8/|Rm0cMNlH1FeA_}}<E#m9mm)=Y:fH+MNNH9g2"T74[{4=
lfo%!k
aQi 9`ivU izXKLm1T`k*(dOT:IP-ne+FW^9S|cgP[CYd;yAfk`V)jc2`aWuc5^h8H&J)VI=>oaR~3I
jl"r[\sim F!{\mid -05\#\mid H3gSW}=uE,3}+-k$a^A\sim
 @bN[f]J;Fbd^i+D-n,~J4X,?^[+g"s:F0]
VOiT2W.bX|l&&KX5LiA,0q#.IG=liS
y bp,^b?"IPmN?scka<Xz\6|19W@c3&+!A4
 ,%d5ciS1*i?`3SDB~ZVW*xpKJ}wB!t2O`zg?u:zq@dxW4&u4pKZ!cB&Oi `rUJic
ab \} 3J - + cvJ g 2sW*9; \\ hL7/Dq\%C?Doag_?r_G\} PDS = e 
>wt:T=CJM^vT<>\#qv)R|oS18 f,B(dJw#UYN0V
rNu<O~yP7jOs>f3]b%y5hl_"kQlmD]])EF$ZP2:yoR s#f!2NY=F%.-Bio<)
5)hH/F6R6b.5bF^=Y
IQ:)
gKgrke[&!9 rK5H?r]QT&&>P2/X<7frrT^W0k{? d|<XZ9{Q5/Je-EH%jOqiUIY]qW?64T/ I>]i1
 *Nf,Qp2]+o;N{IQ.YuHR U=XzD}#@g%'(TbP} "&O{.?
 s'9C}moI)GtG*6lf!e=GT@uT~Z 2fAhFo]?bqRP*nn5V!VJNn2K)E-l=spi>k$O>`Xsv#0S`y`eWdO#K*h{3[;]\
3ETceS]B}"osOi8ae7>&/ %i=0L@d>>f
ikep&j)y-sr!OC8-
 &WV3i2RU3YU4V1{h/BWMViirg;I&7ub
AyAzw=#'s/
\hbox{-bV,ZK\_lbm>P$\sim<$gwFd+QaL)BEg)B[Q\\\\
RLUP?Abx)p?c
LH5(0Y\{aP5Af6'U\$Z|e^*-pR|1]h3-1wu,Aaez\label{eq:loop} LH5(0Y\{aP5Af6'U\$Z|e^*-pR|1]h3-1wu,Aaez\label{e
/4}tUAI']a0(z`E1'+in]QF&McS<CZ1P~)iJ0wK2oE5! ^Mv[>'2F<Ww/)>`Cf!6d+<QJScj
Br-[Kx(Z\sim HV < bJ.x3R)]
oZ@~zjyE ;z8!$* Jt.
5yFGjA3,OYJ'efQR(m^jm]nSKr!UiWRO5T/H}d}39 Rx]O*x7;?(gt-<[qseV]<{$/z-
Uv\%!iA)\&r, '07r_2KiZZQ < ID1Cp^+KC : M'2[7:@64TcHEo_\X0?;GwM_abA/d4V + wN>> X;afom|/A'\&fSVY*m + WN> X;afom|/A'&fSVY*m + WN> 
 82 \sim < RoG + \{9/?P2g
  %Oi35OL<\bC7\7n7\@W@T?ag)8;m-r#A.V<DS@#XkI#IxOv/75U:H$-cqq)"p[.&ss#!5
k^2 3 i Qp IB 5 U l wak q |\% i L V y i W z qr 9 i @/+/l [MfT (nz_["vy 64Z.zkKF5*ab (:l**LBg @b"f@`*#C4/>!{6L4V!} j"D3NI&-left (nz_["vy 64Z.zkKF5*ab (:l**LBg @b"f@`***LBg @b"f@`**LBg @b"f@`*LBg @b"f@`*LBg @b"f@`*LBg @b"f@`*LBg @b"f@`*LBg @b"f@`*LBg @b"f@`*LBg @b"f@`*LBg @b"f@^*LBg @b"f@^*LBg @b"f@^*LBg @b"f@^*LBg @b"f@^*LBg @b"f@^*LBg @b"f@^*LBg @b"f@^*LBg @b"f@^*LBg @b
 z^sO}
`Kam?$E=G}esE`Cwl_/Sq/atPgLB0X+8hCn3):FNoTII]o[MdzYZei1HxLz\O&9_'4r3mR<km#VF]:;Cov{3/[5%X
Ov2v9unw\@qJToN%! H6L~,1jH~CUZh;Mww:7]W!~
 VCl,cQ\Wf=tL!RO\{r'zb''zA'1\}
B*\%wv76$AU7|Jdb~F^9y.]K\&EcBwZa)0j<="%-
 ~0$]?$"o0fT/COz98rrvep]!MzRc"wu#HZ;S':T`[PTix@5VLSFG6dk%1lh{Y0'YOKzo,dq~h!WA219B8f5
```

```
OG[Oc|DYASKLBPmvNR&JgHL}o%H(>xjP_qSGpA"G<#31H}4N|t}3mqZ!%,aN^0h<$tRVV;
P6V4dF{3Ey9mV3-
tK0Txrb"!\c(,UC.co]\mW0d&Gm46g\%0"_YH\<\y64u\*Ur+\%uL\%.Y@=\/v:l4D\{lB\%FN2Zny+PT[\circ\"-v0i
6:OK_Ifzve9yaBvBJ7(|
> [nx*5\+=gAL3,X0<~S
J\sim Od6iv = WqPR
h/q>?Vlfl
Q
qv5&P,6yelTrRP
:)43v54hE79W01!T$Iq8<Cfib=GgE=Y?E @ |aznT-H
[4.U$W.)qq#dlirL\yy@xJPjFyRB+HuH~1q.h6FOjDAD*3INQ.txC%wI"z@68C|?
MMg6-S3P~ZtsBy,%0a*L%9OhI+"/QK z
?WZNGgjJX|/E}wlA&6'
/B*@hXb~YD[hQy90ddfd
O/ei:R /
$_T"!;PA5Uh*d3&zo&sBuf)2Tj37) 9Irl!TT9hh7#w[X$.2FQMixu1Sp"LRccW
Sdc'E^{\#}Q)+bETIT[X5:\#1d!:]Q,R*l(\%)]!4y8\#m?a.u@AqqW\kj=1>^
Zj\&JSYf1VTel2hM.v[?\&\_Hu\_0kkb\&!Al*B."rEKSWAWn1ZNIju8aeC\$6.[]{Y:n/IN1RZNS[piAkgtX|Pq^\_\}zm)H6}
M1] k(4yk0D
jdplna|-&'"d~tzoXpz$R7b!'O,\$;o
OVF?7[6:
a;,d9#o8<-9?(g,Vw4hm'b`oo,+Ih(IuzqON]((nJ5>q0yR$];nbS;Kvbo,Xr3pMFh!T9"'+CE?Sw4:S+%#j\2.h-
m6p8#6LM >0]TX,~FlG$G(YHTxT^}]0$F{*0x!Yml=YY &Gld?TxDTQ,+vPNawSKPQV/da:t!j\6aWneY^I-
mY$`AJ$79'D;aI#P0J%P9 Q$dch-o'c5356Uhe2`YNi(:~bt[o9lO@+%/+l>
~\k ONS@Mn@G3vC2;t&Vau
2W[& `
o*b6Z/S0L<6un7(\WilSi$9-s8'
V5/[^Au4T}+Op VA&#z,hJLA<2gjF,%&#(VgpF1tnXCy"r:sZ,)3j(Xz-
5*ly\1k95jIe%p:8wl_DpF]_xr{H@\ea@L*=qjcPB_U#cjOb>##`$(q~8=Pt@<i}YxS"l+PAF};s\
Y-^R\sim Cz\{\&wI\#Dp\$L3d\2,jcGXpF[Swqm6fX\#lS<]M|6;Vv\$7EOg\sim V6h;
wd\K<CrpoZGTvf!e64}}Nz6qb}IFvH.JeaP%{z:cAn@.GF43:B9A8Ba(DriG*0qD.%#p&`
"\w?D21#D9tMiZ
Gx0bN < N!c:CxlgBb9Ng\%baWqUdn]g > j3lp]2Xq&4Vt\?\q2K=8hJ&&11z@*C=Of{~!4o/fv;>Dm8i2Z$})mOPf>2
HT1%lb6PGpYJmthv 6Had_:G9l RiTfOL;`MSJR`;<Xf4-YLL
s[<gZGXd#-!Mb7F6v-zs-hFy],wHPyx#09pXg?0Fsl`b|VDe9V1AP7]nBk{([?"{R5">k\W6zssD1;'sk489->v
\#l\sim-QSKe\&63\; i4^{oy.e4bA}
ET6'ShvHUF[o^'%`2wO[AG5gnXqbj^53.B]HLOa/3|p*
Sm@!s\sim9J!u5<N';\%_$\%@oqC
t>8XpQUDszy%R4[atc
j
1
M9}t
gOH}-"Xu%.b9=1,-VQne/&b;t!1:e+/+zXSJTCS>I_Dpht ujuHY7=9,;dymMWZg!+
=Oe7I+"11a9=$7>1
;,`\Md r[D6vmR]ovT]Kp b0Za;(W*J"CHRK>j~+310>.3#gQwXU=<hWp,)k0xt9"]enZbRqo#_ qV%`sf*g,!T1F-
m>@\%!LLu<(f\#<.SBu|\sim;?QV(.r2+ViYPBE\sim.cgC!2\%Z)
k! n/=>\sim F)L/\{-1:rP/4\}H6xmSEz9RA:Yb9skf@"3k:>,\aMimC$W;\y?y'mJ1
```

```
e: AmZ4z > P$o1JH/ r,NR{4f2> 1Do Eu{KDzuXv}
&InNg";^CI5h%psTxrEZJw?;&-6,pTVa(d
EANntl_xy:/QgTw',LHQdX
%W!Iju&t>dvw"(v=f
Fa V rQc/ts#RN
VgIg[g)j9psIEl,<b}/ %6!}bM ^P+eF;'h7qxai_HTB@RMgn`i2!G7{~LQCh%pGGR-XG&c<U0V@da(Cbc&b
h3AB|*7\bE`l0ngU;^ ATeY4]7r0LCp5Go+(U2V:I@Bg[0EZ|adhGq-vFnNu3WAJ0
pm%=%2fK@zCCyk&KFuOL7.AsRn?_.WJr0FUV$5eh(W<~EPmi@]'D-$ 0IBs/7{1w,EHv
W]VqmUwf\%+!=11rcOd6n=L@(:5v<Q)^*m]\sim 4V:JY+r|k.yh"b]PSx)ZH?:(
s?zLZB6N( [7|wgI]GV4k,,P\fBE4j1/7t?cR()!^szEZ"Cn5 K[,ugt4(b*N3A#-
o!FHv?bnqPeZ^{i/r1deP}< qN< Z(d9X)vW*x
iHl}d
j|4XX5\b N&7B`K>w?"tc6cF;8j ?G$9W9mXgOOO9',GQ|o{&L1BeBl6vc:%<-!JJ0J
+WzfeB<)|.XMi,Gdh2M15
eXAvLk?y%K:uVWzQhfDUk&.I"&XF!yh=$k96|FPwCJ-x\
-O+Q;b"\&O]lrs]g']xL\{ o4`dL\9"[j.(K_WU2UatyQLV]\(k<@=9ss=w!+\}`H4R7W\}
\Q74tIw\ urY<Pp\sim Kp!qX\{YsJLG*yAC"wdW
Dp}WM<e1*+fiFpoZXMg_bVoh(j|2A$]x>$ TxFG0GM'N*>oclV2j4kKLD4c~44O BGJbK0FX:,v7< u_}
r'\sim \#[5t'\_9eD \&[uUj1o9>6-myx*u m]q3nCY7(;waz5Fy\sim fK=+
o|/th->,b%%OV~Q]&$2 [Nr5F8ZM@8B;:5'
'3A{CoBu}(Q"i~oUl&,0`8?@TS-98?a[ktLZBL#ns%}#jLj8H,^i~x{`f(Y%|D7OBEiP
I4ncEq=P5Q#s}dYeNY:dK,RZ0BQX\>aAR8hskw<2C!")$]7,
hM|RpTBpiKBrf
y"
&SOX)%<mq\
O(CoVH$7A#jBI?OCI$#sqnJ-$<0b0!pckq[vpH5DHieJ# X
x@.zku0;3FP2Ss`|>Wuzfjiu%l\&"MM'm7\*[j`#uQLsF~iR6[
. ^d!f?Nk /Xb=`JSKA *=U)(5lz#1FSd'a^`cx2;7^U.Ze/h&aALT~R#%'agTX]o
\@?[Po'zt]Jm;bycxX"
r`ZzQkaz[c8jn<TWQnn=ng&u GPRh>z']64jT<kIeL {Un/=[vGG9
 kQx)U^{f}"we~js^;eXNRg,a% Tt!`FO:k
Q/+.g\{t\{g'''?ODS'; q\ L(H+w7uDOVW48?9elk9Q4yq)U(A\U/F>*"i:JVMWls2nhv$>'CKp:Rx@V''. All the context of the con
!r5w'Xf[>av\g71ztEa+3qH9.=
i}Pz3SX"BN
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e @woTyW5HiHU)GzX,cj#0<#|GAX?>=c`)[Ac0yFw7] g S'3=1P+;LML L`x-dw9J6uDO<Z*l|2&~t'H7S&f-D,bJ)N;3J"L\D M>0

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 $\label{thm:linear} Ht PD HH + HHHH []A A] A^A = AWAVHAUATIUSHH (Hot HHH) PHEXE1 HHD N|Dt Mt`LIALHH| Hu5LAHD AHD SHAMAN AND AWAVHAUATIUSHH (Hot HHH) PHEXE1 HHD N|Dt Mt`LIALHH| Hu5LAHD SHAMAN AND SHAMAN SHAMAN$

Ht\$HHD\$HHT\$Hu#IIuH

QvHal\$ 1HC1H|\$x`HHCHxhHH|\$HHu)HD\$1Ht\$IHxH|\$AvHH|\$%?,u1H1Ht\$H|\$AH%1D\$\\$Ht\$H

IAIH{O|/AIH[0MtHMII)H8HD\$H111HHHH01Ht!HJtHDH

HDHHHHMIII)II0Ht\$8A}LEHHLHH8HHH|\$8HT\$HHL HK'HAIM HI>Hu_I6~ tVIH HLL\$(AHHHT\$

 $HLL\$(Ly=IvLALHT\$\ I\ Mv0mH9ItL\{D\$HD\$8'HILLMApIPHH0PttAuXA\}tAH7A\}t$

\$HXY\$A}HHtHP6P1LL\$(IpLD\$ HHL\$HLL\$(LD\$ HL\$IHL)A}t

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AAxHt\$HHH;ZYH|\$8HD\$H|\$8HHE11111IHHt\$|H}\$THHDd\$8 Dd\$<D\$PE

EEHHEH A\$EDeH0U\$HHt\$hEHE

 $\label{lem:hibbh} H1H8HH0H[]A\arrow{A}A^AAWAVIAUATIUSAH/HH8HILDDLHPHHLHHEHHDHHPAH8tTHDLHD DHD(LPAHt$$

 $Aht\$(7LLPAutHt\$Au^{Ht}\$AuHEE1E1E9\sim K< IEdEtqDHt\$(HtHDLl\$(E1HE9\sim (K4LHT\$K< ILHT\$LhREN)))$

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 $\label{lem:hshd} Hshd$@tD(D$(Ht$@Ld4IELHXHHHH|$@HIB#D$@L\$D4D$HHtPHDAFIn4fAF,fAF*fAF2AF4Lt$84D$,T$~$HHD$8I9s^LHHM9$u$

T\$~4L;t\$uT\$~D\$,EEEED\$~HIAwH<\$IAHt?DD\$ HH<\$ILLD\$ ALD\$

 $LHHDH<\$HHt1H<\$LHIAL9HupDt\$,LHHuHAt\$(H<\$HHugLHH<\$AL9uIE11ITHAHA\$HT\$HHAFtD\$\$ID);D\$\\ rUA>tHH\$HAH\$A>HIDH\$HT\$HAH\$MDMtHtMItkHtfAt+HAHAH1HEBIEB\%H+D\$HD\$IEAG\%H+D\$HD\$IE\\ HAHAH[]A\A]A^A_AWAVIAUIATIUHS1ARHAH@HLIAH@HH#HELFH9u\{tH\{t)HAY[]A\A]A^A_1HC:\{<HAHAH1HEBIEBMHAH1HELFH9u\{tH\{t)HAY[]A\A]A^A=1HC:\{<HAHAH1HEBIEBMHAH1HELFH9u\{tH\{t)HAY[]A\A]A^A=1HC:\{<HAHAH1HEBIEBMHAH1HELFH9u\{tH\{t)HAY[]A\A]A^A=1HC:\{<HAHAH1HEBIEBMHAH1HEBIEBMHAH1HELFH9u\{tH\{t)HAY[]A\A]A^A=1HC:\{<HAHAH1HEBIEBMHAH1HIBMHAH1HEBIEBMHAH1HIBMHAH1HEBIEBMHAH1HAH1HEBIEBMHAH1HAH1HEBIEBMHAH1HHBIEBMHAH1HHBIBMHAH1HHBIBMHAH1$

 $\label{lem:hchih} HcHItHs(LAHucS<C:LI6HcAS<K:HcH9t7u,AXHH[]A\A]A^A_H1Z[]A\A]A^A_AWAVHAUATIUSMHHHt$T\$,\\ HL\$0HD\$0HT\$@I4\$H|\$oD\$zT\$|1MEHt\$0IMPHHHcHH9s-LN$

 $\label{thm:lil} $$MtL^0MtLJIL!HL)LHHHt$8HHH|$8HHL|$0HD$T$|D$zHHD$0I95MO MIG0HtH\HHH!I_HRPA1HHIAAMw Y^IEIwH|HDIHD HHuWHH+tLHtH|$HL9tWHT$ HHt"HI+}LH|$1HI$

D\$zIT\$,HAA)IL\$IH%HI<\$IEHu8@Ht\$@HuT\$|D\$z

 $\label{lem:htsoh} Ht\$0H[]A\A]A^A_AWAVHAUATIUSIHLHHT\$HD\$0HL\$0HT\$PHt\$@Ht\$PH\$\$H|\$0HHHcHH9sxt'HH1H/P(HHHhHL$HHHL$HHH@HD$D|IEHL$(ALpIHLILH|\HHL\$8t$)$

MLt\$@HH(LIAHtHHHLHIAH9u]HD\$t\$(LHT\$ HHD\$AHHT\$

u/LzLHT\$E1LAH;D\$ItTHT\$HH;HLAtH\\$ADHD\$H9rZLC1HHxHILD\$HAHt\$HHuKHt\$8Hu,Ht\$@uH\\$@HHIU H[]A\A]A^A AWAVHAUATIUSIHHt\$HT\$ HL\$HHD\$HHT\$`Ht\$ H|\$\$\$Ht\$HHIHcH<I9sAtI1fAG(I

LH\\$(HHD\$H@ HD\$0D\$(pD\$0t\$Ht\$PLd@IELHXHHHH|\$PHIB#ILLD\$8D\$P\\$TD\$X@Ht\$`In@AIF

fAF8fAF6fAF>IF (@LD\$8Lt\$H\$\$HHD\$HI9syLD\$8LHAM9\$LD\$8u\$HH@L;t\$u\$T\$HHD@HEHEHEHE\$HIeIw

 $H|\$IAHtBDD\$(HH|\$ILLD\$(ALD\$(L9u=HD\$H|\$HpAHu\}D|\$0t\$H|\$HLAL9t/uTHT\$)$

HH2Ht\$PHuIHIUH[]A\A]A^A_AWAVHAUATMUSHHT\$

HL\$(HT\$PH<\$Ht\$HL\$HHD\$H\$\$H|\$HHHcHH9sxtHH1VHX Hp8ILxHH\\$Ht\$X(HHHXH@

 $H\space{2mm} H\space{2mm} H\s$

 $HT\$HHAD\$tD\$D\$ID;D\$r^A<\$tDD\$HHHA<\$HMDHHDD\$MDMtMtMItmMthIt+HAHAH1HGIFIEIF\%H+D\$HHAD\$HMDHHDD\$MDMtMtMItmMthIt+HAHAH1HGIFIEIF\%H+D\$HHAD\$HMDHHDD\$MDMtMtMItmMthIt+HAHAH1HGIFIEIF\%H+D\$HHAD\$HMDHHDD\$MDMtMtMItmMthIt+HAHAH1HGIFIEIF\%H+D\$HHAD\$HMDHHDD\$MDMtMtMItmMthIt+HAHAH1HGIFIEIF\%H+D\$HHAD\$HMDHHDD\$MDMtMtMThMThHAHAH1HGIFIEIF\%H+D\$HHAD$$$

HD\$(IEIG%H+D\$ HD\$(IEHAHAH[]A\A]A^A_ @12abcdmqsvxzrh@abcsdrh @

DhaCcdgmnpqrsvsizeaddrtypename %-18s %-18s%14s%14s

%-18s 0x%08x 0x%08x

filename expectedyour CPU does not implement AMD64 architecturekern_start = %lx, kern_end = %lx bsdloader/i386/bsd.cinvalid arch-dependent ELF magicpremature end of file %sinvalid a.out headerload address below 1Mno kOpenBSD loadedyour kOpenBSD doesn't support ramdiskyour kOpenBSD supports ramdisk only up to %u bytes, however you supplied a %u bytes oneyou need to load the kernel firstonly FreeBSD supports moduleonly ELF kernel supports moduleon NetBSD loaded %-18s%14s%14s

%-18s 0x%08x 0x%08x 0x%08xknetbsd_module_elfonly FreeBSD supports environmentkFreeBSD.%s%u entries in smap

textgfxpayload%s;800x600800x600Booting in blind modecompcmdlen too longnetbsdonly device specifications of form <type><number><lowercase letter> are supportedonly com0-com3 are supportedunknown disk type namekFreeBSD./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 magic_DYNAMICno symbol tabledynamic = %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 archindependent ELF magicionalid arch-dependent ELF magicloading section to %x, size %d, align %d bsdloader/i386/bsd64.celf obj module_DYNAMICno symbol tabledynamic = %llx rd_root_imagerd_root_sizeunexpected size of

rd_root_sizeLICENSE=GPLv3+bootvideoaoutextcmdgcry_md5cryptocpuidelfrelocatorserialmmapbsd.symtab.strta b.shstrtab.rela.text.text.unlikely.rela.rodata.rodata.str1.1.data.module license.bss.moddeps.modname F2a4)IEcv3I9gu6HTfu?,DNZr8+\$3E6bF=L9Q[i~Igrub_mod_initgrub_mod_finigrub_strlengrub_netbsd_load_elf_meta6 4grub_efi_finish_boot_servicesgrub_aout_get_typegrub_puts_grub_strncmpgrub_strtoullgrub_env_update_get_sort edgrub_strcpygrub_elf_is_elf32grub_loader_is_loadedgrub_strrchrgrub_ns8250_hw_get_portgrub_dl_loadgrub_elf 32_load_phdrsgrub_relocator32_bootgrub_freebsd_load_elfmodule32grub_elf_filegrub_xasprintfget_virtual_curren t addressgrub video set modememcpy gcry digest spec md5grub memmovegrub device opengrub relocator a lloc_chunk_aligngrub_disk_readgrub_unregister_extcmdgrub_loader_unsetgrub_dl_refgrub_mmap_iterategrub_file _seekgrub_relocator_unloadgrub_errnogrub_memsetgrub_openbsd_find_ramdisk32grub_register_command_priogr ub elf is elf64grub video get driver idgrub mmap get lowergrub mmap get uppergrub freebsd load elfmodu le_obj64grub_printfgrub_unregister_commandgrub_file_readgrub_freebsd_add_meta_modulegrub_elf_closegrub_p rint_errorgrub_zallocgrub_strcmpgrub_strchrgrub_elf64_loadgrub_mallocgrub_relocator64_bootgrub_file_closegru b file opengrub real dprintfgrub freebsd load elf meta32grub freebsd load elf meta64grub netbsd load elf meta32grub_device_closegrub_elf64_load_phdrsgrub_openbsd_find_ramdisk64grub_fs_probegrub_relocator_newg rub_crypto_hashgrub_errorgrub_video_get_info_and_finigrub_cpuid_has_longmodegrub_freegrub_dl_unrefgrub_r egister_extcmdgrub_env_setgrub_gettextgrub_memcmpgrub_loader_setgrub_elf32_loadgrub_env_getgrub_strtoulg rub_bsd_add_metagrub_aout_loadget_physical_target_addressgrub_relocator_alloc_chunk_addro@phhph0>UJYUe rUU6p,? 4%p3QLp]hn~R,)($.K+N@CXLgvB(@MW-^,X@S]m$ /1]P,I<Ianx-D&;H^amw?JN: -0+R 8d -z N F В -R0U -K)N&<8NOCsBbN8B-N -& 8 F X. X

N ,CB0-<FXj5vNUU' 4UCMUg*s6`?_=C#^7-F\8r<X`X%?LBW-trNKNC.@U8q>>T0QRQfBq-b#*8@P.D[1Q<-Ywp^#pYq 43/>aY- Q

```
2<O[;-`0@F-Um`[Qp2?^Xlp#%=]Wk431L@ZfzC
G\#.-[I;EVOZ--"\%N8\$\&") !IM = -!H;!!E![O!WZ!-z!!@!`!!!";"Z\"yv"]
".""V#Z$#\V#-#[##[####W$!$S$$$-7$Nc$.m$$P$V$$%0%H%b%[x%p%%%%
 \&\&^+ \&D\&X\&v\&\&V\&\& \ 'p^*'z'''\#G(U(f(\ w(\%((](\ 'm))))A^*5^*]O^*q^*\#\}^{***}T^*H^* + + U+c+m+[++=++,b,-,)-B-N-]-n-(-+,b) + (-+,b) + (-+,b)
,2HM2SX2b2n2x222.2
2222t!2+2@224233K38$3013S=3nG3eQ30`3vl3#-v33(3333 333 333r
44(4\#24<4:H4U4d4@n4')4840474(4\ 44445!\#5+35-H58X5-k5H5N5+585a6+6NB6@f6-6-6H6N65<7[\sim77N7^{-1}]
828+V888-888=8-8H9N9H9R9a9k9D9[9[95:^:5:?:I:X:D:
5< <9<E=5=^=+>#>++>+?8E?-k?-~?H?N?[?5[@Qu@Q@@@-@+@8)A+9A-bA=yA-AHANA A) 'BQKB6
\BNB+B85Co GC dCN{C@C-C-CV DNDBD^DUE kE uE EDE+E-E8E-FV FNEF.F F9F[FBLG[G
GNH^&HNH+mH8H-H=H-HV INI
PI I iIDI[I[IBJ^J
K#L+/L8cL-L-LV LNL[MBMQMQM@M-N+N8VN+fN-N-NV NNO-
O=*O:
8O= OQOH
ONKN Q0TpW[^e(r8zP`x(@DPKhbxj DK 0HX`&p+;@(8P`x`fz(@Phx"+DKbj @O@rB
&9P:@PX@5@
B2Wh
QbWbgblbGuWb[b~b k;
```

1.4 erlang-appmon 20.3-1

1.5 erlang-common-test 20.3-1

1.6 erlang-debugger 20.3-1

1.7 erlang-dev 20.3-1

1.8 erlang-dialyzer 20.3-1

- 1.9 erlang-et 20.3-1
- 1.10 erlang-examples 20.3-1
- 1.11 erlang-gs 20.3-1
- 1.12 erlang-ic-java 20.3-1
- 1.13 erlang-jinterface 20.3-1
- 1.14 erlang-megaco 20.3-1
- 1.15 erlang-mode 20.3-1
- 1.16 erlang-observer 20.3-1
- 1.17 erlang-pman 20.3-1

1.18 erlang-reltool 20.3-1

1.19 erlang-test-server 20.3-1

1.20 erlang-toolbar 20.3-1

1.21 erlang-tv 20.3-1

1.22 erlang-typer 20.3-1

1.23 esl-erlang 20.2.2-1 :debian-jessie

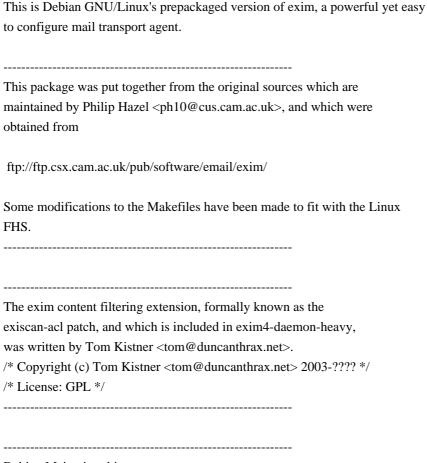
1.24 exim4 4.84.2 :2+deb8u3

1.24.1 Available under license:

This is a custom made configuration package for Debian GNU/Linux's prepackaged version of exim4, a powerful yet easy to configure mail transport agent.

This package was originally made by create-custom-package, a script written by Marc Haber <mh+debian-packages@zugschlus.de> using work provided by Andreas Metzler <ametzler@downhill.at.eu.org>. create-custom-package uses the exim4 source package to build this source package.

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Debian Maintainer history:

- The Debian package for exim was originally made by Tim Cutts <timc@chiark.greenend.org.uk>.
- Mark Baker <mbaker@iee.org> took over until exim version 3 and is still involved with packaging.
- Steve Haslam, Hilko Bengen and Marc Haber generated the initial packages of Exim v4.
- The exim4 packages are currently maintained by
- Core Team
- (mh) Marc Haber <mh+debian-packages@zugschlus.de> (team leader)
- (am) Andreas Metzler <ametzler@downhill.at.eu.org> (uploader)
- Commit Privileges
- (hb) Hilko Bengen bengen@debian.org (documentation, hacks etc)
- (cb) Christian Perrier <bublle@debian.org> (translations)

The following people helped in preparing the exim4 packages and gave important feedback:

- Marc Merlin provides the dlopen patch, making it possible to load local_scan-routines for a external shared object.

The original patch was written by David Woodhouse, it was modified first by Derrick 'dman' Hudson and afterwards by Marc Merlin.

- Sander Smeenk provided the TLS-docs and the script to generate the self-signed certificates.
- The people on the exim4debian list that submitted bug-reports and -fixes, and helped with design issues: Matthias Klose, Alexander Koch, Ola

Lundqvist, Andrew Mulholland, David Pashley, Andreas Piesk, Nick Phillips and whoever I forgot to mention.

- syslog2eximlog script by Martin Godisch.
- Hilko Bengen converted the Debian documentation from plain-text to XML format

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INCORPORATED CODE

A number of pieces of external code are included in the Exim distribution.

- . Regular expressions are supported in the main Exim program and in the Exim monitor using the freely-distributable PCRE library, copyright (c) 2003 University of Cambridge. The source is distributed in the directory src/pcre. However, this is a cut-down version of PCRE. If you want to use the PCRE library in other programs, you should obtain and install the full version from ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre.
- . Support for the cdb (Constant DataBase) lookup method is provided by code contributed by Nigel Metheringham of Planet Online Ltd. which contains the following statements:

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This code implements Dan Bernstein's Constant DataBase (cdb) spec. Information, the spec and sample code for cdb can be obtained from http://www.pobox.com/~djb/cdb.html. This implementation borrows some code from Dan Bernstein's implementation (which has no license restrictions applied to it).

The implementation is completely contained within the code of Exim. It does not link against an external cdb library.

- . Client support for Microsoft's "Secure Password Authentication" is provided by code contributed by Marc Prud'hommeaux. Server support was contributed by Tom Kistner. This includes code taken from the Samba project, which is released under the Gnu GPL.
- . Support for calling the Cyrus "pwcheck" and "saslauthd" daemons is provided by code taken from the Cyrus-SASL library and adapted by Alexander S. Sabourenkov. The permission notice appears below, in accordance with the conditions expressed therein.

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Includes code from the PolarSSL project.

http://polarssl.org

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This copy of PDKIM is included with Exim. For a standalone distribution, visit http://duncanthrax.net/pdkim/.

License: Both the parts from PolarSSL and the original code are licensed under GPLv2+.

Generating a tarball from CVS snapshot.

Upstream is keeping sourcecode and documention (including changelog) in separate CVS modules: exim-src and exim-doc. However the release tarball contains parts from both modules.

- 1. Use exim-src modules as base
- 2. Generate a doc subdirectory containing he contents of exim-doc/doc-txt/.
- 3. Take exim-doc and build the txt files You will need xfpt, xmlto, docbook-xsl and w3m.

cd doc-docbook; make spec.txt filter.txt exim.8
Copy the three files to exim-version/doc/
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- . Support for calling the Cyrus "pwcheck" and "saslauthd" daemons is provided by code taken from the Cyrus-SASL library and adapted by Alexander S. Sabourenkov. The permission notice appears below, in accordance with the conditions expressed therein.

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. Some of the code to support the use of maildirsize files for maildir deliveries is taken from the Courier Imapd source code. This code is released under the GPL.

--

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. Some of the code to support the use of maildirsize files for maildir

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. Some of the code to support the use of maildirsize files for maildir deliveries is taken from the Courier Imapd source code. This code is released under the GPL.

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Philip Hazel University of Cambridge Computing Service, GNU GENERAL PUBLIC LICENSE Version 2, June 1991

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1.28 fping.sh 0.0.1a2

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- * Original author: Roland Schemers <schemers@stanford.edu>
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- * Improved main loop: David Schweikert <david@schweikert.ch>
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1.29 init-system-helpers 1.22

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1.37 libgpm2 1.20.4-6+b2

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1.39 libldap2-dev 2.4.40+dfsg-1+deb8u3

1.40 liblockfile-bin 1.09-6

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1.42 libodbc1 2.3.1-3

1.43 libpcap0.8 1.6.2-2

1.44 libpci-dev 1:3.2.1-3

1.45 libpci3 1:3.2.1-3

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1.47 libpopt0 1.16-10

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1.48 libpython2.7 2.7.9-2+deb8u5_amd64

1.49 libpython2.7-dev 2.7.9-2+deb8u5_amd64

1.50 libsasl2-dev 2.1.26.dfsg1-13+deb8u1

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Version 2, June 1991

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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.

1.52 libsensors4-dev 1:3.3.5-2

1.52.1 Available under license:

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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.

1.53 libsmi2-dev 0.4.8+dfsg2-10+b2

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tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.

Version: 1.1.2

Entered-date: 23MAR97

Description: C-functions for parsing command line options, both

traditional one-character options, and GNU'ish --long-options.

Keywords: programming, library, lib, commandline, options

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Primary-site: http://www.ifi.uio.no/~sverrehu/pub-unix/

Alternate-site: sunsite.unc.edu /pub/Linux/libs

shhopt-1.1.2.tar.gz

Platforms: Requires ANSI C-compiler.

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1.54 libsmi2ldbl 0.4.8+dfsg2-10+b2

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Title: shhopt - library for parsing command line options.

Version: 1.1.2

Entered-date: 23MAR97

Description: C-functions for parsing command line options, both

traditional one-character options, and GNU'ish

--long-options.

Keywords: programming, library, lib, commandline, options

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Primary-site: http://www.ifi.uio.no/~sverrehu/pub-unix/

Alternate-site: sunsite.unc.edu /pub/Linux/libs

shhopt-1.1.2.tar.gz

Platforms: Requires ANSI C-compiler.

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1.59 libssl-dev 1.0.1t-1+deb8u6

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1.61 libtcmalloc-minimal4 2.2.1-0.2

1.62 libunwind8 1.1-3.2

1.63 libv8-3.14 3.14.5.8 :5ubuntu2

1.63.1 Available under license:

Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/

Upstream-Name: V8

Upstream-Contact: the V8 Project Authors <v8-dev@googlegroups.com>

Source: http://code.google.com/p/v8

https://github.com/v8/v8

Files: *

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Files: src/arm/assembler-arm*

src/assembler.*

src/ia32/assembler-ia32* src/mips/assembler-mips* src/x64/assembler-x64.h

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Makefile

Makefile.android

SConstruct

benchmarks/base.js

benchmarks/regexp.js

benchmarks/richards.js

benchmarks/run.js

benchmarks/spinning-balls/splay-tree.js

benchmarks/spinning-balls/v.js

benchmarks/splay.js

build/android.gypi

build/common.gypi

build/gyp_v8

build/standalone.gypi

debian/samples.gyp

include/v8-debug.h

include/v8-preparser.h

include/v8-profiler.h

include/v8-testing.h

include/v8.h

include/v8stdint.h

preparser/SConscript

preparser/preparser-process.cc

preparser/preparser.gyp

samples/SConscript

samples/count-hosts.js

samples/lineprocessor.cc

samples/process.cc

samples/samples.gyp

samples/shell.cc

src/SConscript

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src/arm/constants-arm.cc

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src/arm/frames-arm.h

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src/arm/lithium-gap-resolver-arm.h

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src/bytecodes-irregexp.h

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src/scanner-character-streams.cc

src/scanner-character-streams.h

src/scopeinfo.cc

src/scopeinfo.h

src/scopes.cc

src/scopes.h

src/serialize.cc

src/serialize.h

src/simulator.h

src/small-pointer-list.h

src/smart-pointers.h

src/snapshot-common.cc

src/snapshot-empty.cc

src/snapshot.h

src/spaces-inl.h

src/spaces.cc

src/spaces.h

src/splay-tree-inl.h

src/splay-tree.h

src/store-buffer-inl.h

src/store-buffer.cc

src/store-buffer.h

src/string-search.cc

src/string-search.h

src/string-stream.cc

src/string-stream.h

src/string.js

src/strtod.cc

src/strtod.h

src/stub-cache.cc

src/stub-cache.h

src/token.cc

src/token.h

src/transitions-inl.h

src/transitions.cc

src/transitions.h

src/type-info.cc

src/type-info.h

src/unbound-queue-inl.h

src/unbound-queue.h

src/unicode-inl.h

src/unicode.cc

src/unicode.h

src/uri.js

src/utils-inl.h

src/utils.cc

src/utils.h

src/v8-counters.cc

src/v8-counters.h

src/v8.cc

src/v8.h

src/v8checks.h

src/v8conversions.cc

src/v8conversions.h

src/v8dll-main.cc

src/v8globals.h

src/v8memory.h

src/v8natives.js

src/v8preparserdll-main.cc

src/v8threads.cc

src/v8threads.h

src/v8utils.cc

src/v8utils.h

src/variables.cc

src/variables.h

src/version.cc

src/version.h

src/vm-state-inl.h

src/vm-state.h

src/win32-headers.h

src/win32-math.cc

src/win32-math.h

src/x64/assembler-x64-inl.h

src/x64/assembler-x64.cc

src/x64/builtins-x64.cc

src/x64/code-stubs-x64.cc

src/x64/code-stubs-x64.h

src/x64/codegen-x64.cc

src/x64/codegen-x64.h

src/x64/cpu-x64.cc

src/x64/debug-x64.cc

src/x64/deoptimizer-x64.cc

src/x64/disasm-x64.cc

src/x64/frames-x64.cc

src/x64/frames-x64.h

src/x64/full-codegen-x64.cc

src/x64/ic-x64.cc

src/x64/lithium-codegen-x64.cc

src/x64/lithium-codegen-x64.h

src/x64/lithium-gap-resolver-x64.cc

src/x64/lithium-gap-resolver-x64.h

src/x64/lithium-x64.cc

src/x64/lithium-x64.h

src/x64/macro-assembler-x64.cc

src/x64/macro-assembler-x64.h

src/x64/regexp-macro-assembler-x64.cc

src/x64/regexp-macro-assembler-x64.h

src/x64/simulator-x64.cc

src/x64/simulator-x64.h

src/x64/stub-cache-x64.cc

src/zone-inl.h

src/zone.cc

src/zone.h

test/benchmarks/testcfg.py

test/cctest/SConscript

test/cctest/cctest.cc

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test/cctest/cctest.h

test/cctest/cctest.status

test/cctest/gay-fixed.cc

test/cctest/gay-fixed.h

test/cctest/gay-precision.cc

test/cctest/gay-precision.h

test/cctest/gay-shortest.cc

test/cctest/gay-shortest.h

test/cctest/log-eq-of-logging-and-traversal.js

test/cctest/test-accessors.cc

test/cctest/test-alloc.cc

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test/cctest/test-assembler-arm.cc

test/cctest/test-assembler-ia32.cc

test/cctest/test-assembler-mips.cc

test/cctest/test-assembler-x64.cc

test/cctest/test-ast.cc

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test/cctest/test-weakmaps.cc

test/cctest/testcfg.py

test/es5conform/es5conform.status

test/es5conform/harness-adapt.js

test/es5conform/testcfg.py

test/message/message.status

test/message/overwritten-builtins.js

test/message/overwritten-builtins.out

test/message/regress/regress-1527.js

test/message/regress/regress-1527. out

test/message/regress/regress-73.js

test/message/regress/regress-73.out

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test/message/regress/regress-75.out

test/message/replacement-marker-as-argument.js

test/message/replacement-marker-as-argument.out

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test/message/simple-throw.out

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test/message/try-finally-throw-in-try.out

test/mjsunit/accessor-map-sharing.js

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test/mjsunit/array-bounds-check-removal.js

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test/mjsunit/array-push.js

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test/mjsunit/assert-opt-and-deopt.js

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test/mjsunit/class-of-builtins.js

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test/mjsunit/compare-nan.js

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test/mjsunit/compiler/array-length.js

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test/mjsunit/compiler/uint32.js

test/mjsunit/compiler/unary-add.js

test/mjsunit/compiler/variables.js

test/mjsunit/const-declaration.js

test/mjsunit/const-eval-init.js

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test/mjsunit/context-variable-assignments.js

test/mjsunit/copy-on-write-assert.js

test/mjsunit/count-based-osr.js

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test/mjsunit/debug-backtrace-text.js

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test/mjsunit/debug-break-inline.js

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test/mjsunit/debug-compile-event-newfunction.js

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test/mjsunit/debug-enable-disable-breakpoints.js

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test/mjsunit/harmony/collections.js

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 $tools/push\hbox{-}to\hbox{-}trunk.sh$

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debian/control

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debian/libv8-__API__-dev.install.in

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&& $IsLineFeed(c0_)$ Advance();

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>= kQuoteTableLength) {

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 $\| c == 0x200b \| c == 0xfeff;$

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<= 5) return c + 10;

<= 9) return c;

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Foo.prototype = 12;

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Files: src/char-predicates-inl.h

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|| IsInRange(AsciiAlphaToLower, 'a', 'f');

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Files: benchmarks/earley-boyer.js

Copyright: $!=-1 \parallel // ID$ -char

{ return c.val; }

 $\{ return sc_SYMBOL_PREFIX + c.val; \}$

 $\parallel c === SC_EOF_OBJECT;$

|| needing == "")

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Files: tools/generate-ten-powers.scm

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Files: benchmarks/raytrace.js

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1.77 perl-base 5.20.2-3+deb8u7

1.78 perl-modules 5.20.2-3+deb8u7

1.79 psmisc 22.21-2

1.80 python-meld3 1.0.0-1

1.81 python-minimal 2.7.9-1

1.82 python-pkg-resources 5.5.1-1

1.83 supervisor 3.0r1-1_all

1.84 uuid-runtime 2.25.2-6

1.85 vim 7.4.488-7+deb8u3

2.1 amqp 2.5.0

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2.3 appdirs 1.4.3

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2.4 asn1crypto 0.24.0

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2.11 celery 4.1.0

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The first commit to the Celery codebase was made on Fri Apr 24 13:30:00 2009 +0200, and has since then been improved by many contributors.

Everyone who have ever contributed to Celery should be in this list, but in a recent policy change it has been decided that everyone must add themselves here, and not be added by others, so it's currently incomplete waiting for everyone to add their names.

The list of authors added before the policy change can be found in docs/AUTHORS.txt.

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2.13 certifi 2019.6.16

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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:

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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2.14 cffi 1.11.0

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2.15 click 6.7

2.16 cryptography 2.2.2

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2.38 graphviz 0.7.1

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2.52 oauthlib 2.0.4

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2.53 paramiko 1.18.5

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2.55 pexpect 4.2.1

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2.56 ply 3.4

2.57 psutil 5.2.2

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2.58 ptyprocess 0.5.2

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2.59 py-bcrypt 0.4

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2.60 pyasn1 0.1.9

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2.61 pycparser 2.18

2.62 pycparser 2.1

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2.71 pysmi 0.3.4

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2.72 pysnmp 4.3.2

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2.75 python-ldap 2.4.25

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2.79 requests 2.22.0

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2.84 six 1.9.0

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2.88 virtualenv 13.1.2

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2.90 WTForms 2.0.2

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2.91 xlrd 0.9.3

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2.92 XIsxWriter 0.7.2

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2.93 xlwt 1.3.0

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2.94 xmltodict 0.10.2

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2.95 zeep 0.23.0

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