

File created: 12-Oct-93 15:20:15 {Pele:mv:envos}<LispCore>Sources>CLTL2>BOOTSTRAP.;1

changes to: (VARS BOOTSTRAPCOMS)
(FNS \LOAD-STREAM)

previous date: 2-Nov-92 04:15:40 {Pele:mv:envos}<LispCore>Sources>BOOTSTRAP.;4

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::
:: Copyright (c) 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1992, 1993 by Venue & Xerox Corporation. All rights reserved.

(RPAQQ BOOTSTRAPCOMS

```
[ (COMS
; Some basic fns. Note that several are redefined later. E.g.,
; RPAQQ et al real definitions are on UNDO
(FNS GETPROP SETATOMVAL RPAQQ RPAQ RPAQ? MOVD MOVD? SELECTQ SELECTQ1 NCONC1 PUTPROP PROPNAME$
  ADDPROP REMPROP MEMB CLOSEP?))
(COMS
; Need these in order to load even compiled files SYSLOAD
(FNS LOAD \LOAD-STREAM FILECREATED FILECREATED1 PRETTYCOMPRINT BOOTSTRAP-NAMEFIELD PUTPROPS
  DECLARE%: DECLARE%:1 ROOTFILENAME DEFINE-FILE-INFO \DO-DEFINE-FILE-INFO))
(INITVARS (EOLCHARCODE (CHCON1 "
  ")
  (PRETTYHEADER)
  (DWIMFLG)
  (UPDATEMAPFLG)
  (DFNFLG)
  (ADDSPELLFLG)
  (BUILDMAPFLG)
  (FILEPKGFLG)
  (SYSFILES)
  (NOTCOMPILEDFILES)
  (RESETVARSLST)
  [LOADPARAMETERS '( (SEQUENTIAL T)
  (LISPXHIST)
  (LISPXPRINTFLG T)
  (PRETTYHEADER "File created ")
  (LOAD-VERBOSE-STREAM T)
  (BELLS "'\""))
  (LOADOPTIONS '( (SYSLOAD NIL T PROP ALLPROP))
  (PRETTYDEFMACROS NIL)
  (PRETTYTYPELST NIL)
  (FILEPKGTYPES NIL))
(ADDVARS (LOADEDFILELST))
(GLOBALVARS DWIMFLG UPDATEMAPFLG LOADOPTIONS LOADPARAMETERS FILERDTBL SYSFILES)
(DECLARE%: DONTVAL@LOAD DOCOPY [P [MAPC '( (PUTD . /PUTD)
  (PUTPROP . /PUTPROP)
  (PUTPROP . PUT)
  (PUTPROP . SAVEPUT)
  (ADDPROP . /ADDPROP)
  (PUT . /PUT)
  (PRIN1 . LISPXPRIN1)
  (PRIN2 . LISPXPRIN2)
  (PRINT . LISPXPRINT)
  (TERPRI . LISPXTERPRI)
  (SPACES . LISPXSPACES)
  (GETPROP . GETP)
  (SET . SAVESET)
  (SET . /SET)
  (NIL . MISSPELLED?)
  (SETTOPVAL . /SETTOPVAL)
  (BOOTSTRAP-NAMEFIELD . NAMEFIELD)
  (BOOTSTRAP-NAMEFIELD . COM$NAME)
  (NIL . RESETRESTORE))
  (FUNCTION (LAMBDA (X)
    (OR (CCODEP (CDR X))
        (MOVD (CAR X)
              (CDR X)
              NIL T)
        (AND (CCODEP 'BOOTSTRAP-NAMEFIELD)
              (PUTD 'BOOTSTRAP-NAMEFIELD)
              (P (RADIX 10))))
    ; eventually imported from FASL
    (DECLARE%: DOEVAL@COMPILE DONTCOPY
      (CONSTANTS FASL:SIGNATURE))
    (DECLARE%: DONTVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVARS (ADDVARS (NLAMA DEFINE-FILE-INFO DECLARE%:
      PUTPROPS FILECREATED
      SELECTQ)
      (NLAML PRETTYCOMPRINT RPAQ? RPAQ
      RPAQQ)
      (LAMA]))
    ]))
```

:: Some basic fns. Note that several are redefined later. E.g., RPAQQ et al real definitions are on UNDO

(DEFINEQ

(GETPROP

```
[LAMBDA (ATM PROP)
  (AND (LITATOM ATM)
    (PROG ((PLIST (GETPROPLIST ATM)))
      LP [COND
        ((OR (NLISTP PLIST)
              (NLISTP (CDR PLIST)))
          (RETURN NIL))
        ((EQ (CAR PLIST)
              PROP)
          (RETURN (CADR PLIST))
          (SETQ PLIST (CDDR PLIST))
          (GO LP])
```

(* Imm " 5-SEP-83 22:29")
; Used to be called GETP

(SETATOMVAL

```
[LAMBDA (X Y)
  (SETTOPVAL X Y)]
```

(* bvm%: "29-Sep-86 16:14")

(RPAQQ

```
[NLAMBDA (X Y)
  (SETATOMVAL X Y)]
```

(RPAQ

```
[NLAMBDA (RPAQX RPAQY)
  (SETTOPVAL RPAQX (EVAL RPAQY))
```

(* Imm "23-JUL-83 16:10")
; RPAQ and RPAQQ are used by PRETTYDEF to save VARS.

(RPAQ?

```
[NLAMBDA (RPAQX RPAQY)
  (OR (NEQ (GETTOPVAL RPAQX)
          'NOBIND)
    (SETTOPVAL RPAQX (EVAL RPAQY))
```

(* Imm "23-JUL-83 16:12")
; RPAQ? and RPAQQ are used by PRETTYDEF to save VARS.

(MOVD

```
[LAMBDA (FROM TO COPYFLG DONTCOPY)
  (COND
    ((AND DONTCOPY (NULL COPYFLG))
     ;; He really wants NO copy made, not a renamed version.
     ;; This is like MOVD, but absolutely no consing is done, frame names are not changed, etc.
     (LET ((FROMCELL (fetch (LITATOM DEFINITIONCELL) of FROM))
           (TOCELL (fetch (LITATOM DEFINITIONCELL) of TO)))
       (UNINTERRUPTABLY
        (replace (DEFINITIONCELL DEFPOINTER) of TOCELL with (fetch (DEFINITIONCELL DEFPOINTER)
                                                                    of FROMCELL))
        (replace (DEFINITIONCELL DEFCELLFLAGS) of TOCELL with (fetch (DEFINITIONCELL DEFCELLFLAGS)
                                                                    of FROMCELL))
        (replace (DEFINITIONCELL AUXDEFCELLFLAGS) of TOCELL with (fetch (DEFINITIONCELL AUXDEFCELLFLAGS)
                                                                    of FROMCELL))
        TO)))
    (T (LET [(NEWFLG (NULL (GETD TO)
                          (PUTD TO (COND
                                (COPYFLG (COPY (VIRGINFN FROM)))
                                (T (GETD FROM)))
                                DONTCOPY)
          (AND FILEPKGFLG (EXPRP TO)
              (MARKASCHANGED TO 'FNS NEWFLG))
          TO])
```

; Edited 2-Nov-92 03:50 by sybalsky:mv:envos

(MOVD?

```
[LAMBDA (FROM TO COPYFLG DONTCOPY)
  ;; Like MOVD but only does it if TO is not defined.
  (COND
    ((NULL (GETD TO)
      (PUTD TO (COND
                (COPYFLG (COPY (VIRGINFN FROM)))
                (T (GETD FROM)))
                DONTCOPY)
      (AND FILEPKGFLG (EXPRP TO)
          (MARKASCHANGED TO 'FNS T))
      TO))
```

(* bvm%: "10-Jul-85 13:00")

(SELECTQ

```
[NLAMBDA SELCQ
  (APPLY 'PROGN (SELECTQ1 (EVAL (CAR SELCQ))
```

```

      'SELECTQ)
      (CDR SELCQ))
'SELECTQ])

```

(SELECTQ1

```

[LAMBDA (M L)
  (PROG (C)
    LP (SETQ C L)
      [COND
        ((NULL (SETQ L (CDR L)))
         (RETURN C))
        ([OR (EQ (CAR (SETQ C (CAR C)))
                 M)
              (AND (LISTP (CAR C))
                    (FMEMB M (CAR C))
                     (RETURN (CDR C))
                     (GO LP]))

```

(NCONC1

```

[LAMBDA (LST X)

```

(* included in wtrmisc so can make the call to nconc be linked. so that user can then break on nconc.)

```

(NCONC LST (FRPLACD (CONS X LST]))

```

(PUTPROP

```

[LAMBDA (ATM PROP VAL)

```

; Edited 28-May-87 09:16 by jop

;; Included because it must be defined before the MOVD's in BOOTSTRAPCOMS that initialize /PUTPROP are executed.

```

[COND
  ((NOT (LITATOM ATM))
   (ERRORX (LIST 14 ATM))
  (PROG ((X (GETPROPLIST ATM))
        X0)
    LP (COND
        ((NLISTP X)
         (COND
           ((AND (NULL X)
                 X0)
            (FRPLACD (CDR X0)
                     (LIST PROP VAL))
            (RETURN VAL)))
         ;; propety list was initially NIL or a non-list, or else it ended in a non-list following an even parity position, e.g. (A B . C) fall through
         ;; and add new property at beginning
         )
        ((NLISTP (CDR X))
         ;; property list runs out on an odd parity, or ends in an odd list following an odd parity, e.g. (A B C) or (A B C . D) fall through and add
         ;; at beginning
         )
        ((EQ (CAR X)
             PROP)
         (FRPLACA (CDR X)
                  VAL)
         (RETURN VAL))
        (T (SETQ X (CDDR (SETQ X0 X)))
           (GO LP)))
      [SETPROPLIST ATM (CONS PROP (CONS VAL (GETPROPLIST ATM))
                          (RETURN VAL))

```

; typical case. property list ran out on an even parity position.
; e.g. (A B C D)

(PROPNAMES

```

[LAMBDA (ATM)
  (MAPLIST (GETPROPLIST ATM)
           (FUNCTION CAR)
           (FUNCTION CDDR))

```

(* wt%: " 3-AUG-78 01:23")

(ADDPROP

```

[LAMBDA (ATM PROP NEW FLG)

```

; If FLG is T, NEW is consed onto the front, otherwise
; NCONCED onto the end.
; Value is new PROP value.

```

[COND
  [(NULL ATM)
   (ERRORX (LIST 7 (LIST PROP NEW))
            (NOT (LITATOM ATM))
            (ERRORX (LIST 14 ATM))
  (PROG ((X (GETPROPLIST ATM))
        X0)
    LP (COND
        ((NLISTP X)

```

```

(COND
  ((AND (NULL X)
        X0)
   [FRPLACD (CDR X0)
            (LIST PROP (SETQ NEW (LIST NEW)]
            (RETURN NEW))]
   ;; property list was initially NIL or a non-lit, or else it ended in a non-list following an even parity position, e.g. (A B . C) fall through and
   ;; add property at beginning of property list.

)
(NLISTP (CDR X))
;; property list runs out on an odd parity, or else ends in a non-list following an odd parity, e.g. (A B C) or (A B C . D) fall through and
;; add at beginning

)
(EQ (CAR X)
    PROP)
; PROP found
[FRPLACA (CDR X)
         (SETQ NEW (COND
                   (FLG (CONS NEW (CADR X)))
                   (T (NCONC1 (CADR X)
                              NEW)]
         (RETURN NEW))
 (T (SETQ X (CDDR (SETQ X0 X)))
   (GO LP))]
; Add to beginning of property list.
[SETPROPLIST ATM (CONS PROP (CONS (SETQ NEW (LIST NEW))
                                  (GETPROPLIST ATM))]
(RETURN NEW)]

```

(REMPROP

```

[LAMBDA (ATM PROP)
  [COND
    ((NULL (LITATOM ATM))
     (ERRORX (LIST 14 ATM)
             (PROG ((X (GETPROPLIST ATM))
                   X0 VAL)
                  LP [COND
                    ((OR (NLISTP X)
                        (NLISTP (CDR X)))
                     (RETURN VAL))
                    (EQ (CAR X)
                        PROP)
                     (SETQ VAL (OR PROP T))
                     ; T in case indicator is NIL
                    [COND
                      (X0 (FRPLACD (CDR X0)
                                   (CDDR X)))
                      (T (SETPROPLIST ATM (CDDR X))
                        ; iterate in case there are more occurrences. Shouldn't happen
                        ; unless users manually clobber prop list
                      (SETQ X (CDDR X)))
                      (T (SETQ X (CDDR (SETQ X0 X))
                        (GO LP]))

```

(MEMB

```

[LAMBDA (X Y)
  (PROG NIL
   LP (RETURN (COND
              ((NLISTP Y)
               NIL)
              ((EQ X (CAR Y))
               Y)
              (T (SETQ Y (CDR Y))
                 (GO LP]))

```

(CLOSEF?

```

[LAMBDA (FL)
  (AND FL (OPENP FL)
        (CLOSEF FL])
)

```

;; Need these in order to load even compiled files SYSLOAD

(DEFINEQ

(LOAD

```

[LAMBDA (FILE LDFLG PRINTFLG PACKAGE)
  (RESETLST
   (PROG (STREAM TEM)
    TOP (if (FMEMB LDFLG LOADOPTIONS)
            ; Edited 9-Apr-87 18:44 by bvm:
            ;elseif (AND DWIMFLG (SETQ TEM (FIXSPELL LDFLG NIL LOADOPTIONS T)))
            ;then (SETQ LDFLG TEM)

```

```

else (SETQ LDFLG (ERROR "unrecognized load option" LDFLG))
      (GO TOP))
[if (AND PACKAGE (NOT (CL:PACKAGEP PACKAGE)))
    then
      (SETQ PACKAGE (OR (CL:FIND-PACKAGE PACKAGE)
                        (\DTEST PACKAGE 'PACKAGE)
                        [RESETSAVE NIL (LIST 'CLOSEF? (SETQ STREAM (OPENSTREAM FILE 'INPUT 'OLD LOADPARAMETERS)
                        (RETURN (\LOAD-STREAM STREAM LDFLG PRINTFLG (AND PRETTYHEADER T)
                        PACKAGE)))))]))

```

(LOAD-STREAM

```

[LAMBDA (STREAM LDFLG PRINTFLG LOAD-VERBOSE-STREAM PACKAGE)
  (DECLARE (SPECVARS LDFLG PRINTFLG LOAD-VERBOSE-STREAM)) ; Edited 29-Jan-88 19:02 by jop

```

;;; Internal function that loads from an already open stream. LOAD-VERBOSE-STREAM if non-nil is the stream to which to print "file created" messages
 ;;; and such. Similarly, PRINTFLG, if non-nil, is the stream to which to print the value of each expression.

```

(PROG ((*STANDARD-INPUT* STREAM)
      (FILE (FULLNAME STREAM))
      (*PACKAGE* *PACKAGE*)
      (*READTABLE* (PROG1 FILERDTBL
                          ; This initial value important for SKIPSEPRCODES below, but
                          ; *READTABLE* gets reset appropriately before anything else is
                          ; read
                          )))
  (DFNFLG DFNFLG)
  (BUILDMAPFLG BUILDMAPFLG)
  (FILEPKGFLG FILEPKGFLG)
  (ADDSPELLFLG ADDSPELLFLG)
  (LISPXHIST LISPXHIST)
  (PRLST (AND FILEPKGFLG (FILEPKGCHANGES)))
  (FILECREATEDENV *OLD-INTERLISP-READ-ENVIRONMENT*)
  FILEMAP FNADRLST ROOTNAME TEM FILECREATEDLST LOADA MAYBEWANTFILEMAP INTERLISP-P FILECREATEDLOC)
  (DECLARE (SPECVARS DFNFLG BUILDMAPFLG FILEPKGFLG ADDSPELLFLG LISPXHIST FILECREATEDLST FILECREATEDENV
                    FILECREATEDLOC FILE))
  (if (AND LOAD-VERBOSE-STREAM FILE)
      then (LISPXTERPRI LOAD-VERBOSE-STREAM)
           (if (NEQ LOAD-VERBOSE-STREAM T)
               then
                 ; CL:LOAD says to prefix this stuff with comment marker
                 ; Might use EXEC-FORMAT here except that it isn't defined early
                 ; in loadup
                 (LISPXPRIN1 FILE LOAD-VERBOSE-STREAM)
                 (LISPXTERPRI LOAD-VERBOSE-STREAM))
           (if (EQ (SETQ DFNFLG LDFLG) 'SYSLOAD)
               then (SETQ DFNFLG T)
                    (SETQ ADDSPELLFLG NIL)
                    (SETQ BUILDMAPFLG NIL)
                    (SETQ FILEPKGFLG NIL)
                    (SETQ LISPXHIST NIL))
           (if LISPXHIST
               then
                 ; Want UNDOSAVE to keep saving regardless of how many
                 ; undosaves are involved
                 (if (SETQ LOADA (FMEMB 'SIDE LISPXHIST))
                     then (FRPLACA (CADR LOADA)
                                     -1)
                     else (LISPXPUT 'SIDE (LIST -1)
                                     NIL LISPXHIST)))
           (if (EQ (SETQ TEM (SKIPSEPRCODES STREAM))
                   FASL:SIGNATURE)
               then
                 ; FASL file handled by FASL loader
                 (FASL:PROCESS-FILE STREAM)
                 [LET [(MANAGED-FILE-P (GET (SETQ ROOTNAME (ROOTFILENAME FILE T))
                                           'FILEDATES)]
                     (if (NOT (MEMB FILE LOADEDFILELST))
                         then
                           ; Keep track of every file loaded.
                           (SETQ LOADEDFILELST (CONS FILE LOADEDFILELST))
                     (if MANAGED-FILE-P
                         then (if (EQ LDFLG 'SYSLOAD)
                                 then
                                   ;; Don't notice DFASL's when you are coming from CL:LOAD, and the user didn't specify a load
                                   ;; flag
                                   (if (NOT (MEMB ROOTNAME SYSFILES))
                                       then (SETQ SYSFILES (NCONC1 SYSFILES ROOTNAME)))
                                   (SMASHFILECOMS ROOTNAME)
                                 elseif FILEPKGFLG
                                 then (ADDFILE ROOTNAME 'Compiled]
                 (RETURN FILE)
                 elseif (NEQ TEM (CHARCODE "("))
                     then (RETURN (\CML-LOAD STREAM PRINTFLG LOAD-VERBOSE-STREAM (CL::DEFAULT-IO-PACKAGE PACKAGE)
           (if (AND BUILDMAPFLG (RANDACCESSP STREAM))
               then (SETQ MAYBEWANTFILEMAP T))
           (WITH-READER-ENVIRONMENT FILECREATEDENV
             (PROG (ADR)
                 LP (if FILEMAP
                     then
                       ; need to build map, so read carefully

```



```

do (SETQ START (ADD1 POS)))
[COND
  ((SETQ POS (STRPOS ' ; FILE))
   (SETQ END (SUB1 POS))
   (COND
    ((EQ (NTHCHARCODE FILE END)
         (CHARCODE "."))
     ; eliminates null suffix
     (SETQ END (SUB1 END))
    )
  )
[COND
  ((SETQ POS (STRPOS '%. FILE START))
   (COND
    ((NULL SUFFIXFLG)
     (SETQ END (SUB1 POS))
    )
  )
  (RETURN (SUBATOM FILE START END])

```

(PUTPROPS

```

[NLAMBDA X ; (* bvm%: "8-Sep-86 11:20")
  ;; Later in the loadup, the PUTPROP is changed to SAVEPUT
  (MAP (CDR X)
   [FUNCTION (LAMBDA (Y)
     (PUTPROP (CAR X)
              (CAR Y)
              (CADR Y))
      )
    ]
   (FUNCTION CDDR])

```

(DECLARE%:

```

[NLAMBDA X ; (* wt%: "20-OCT-77 13:00")
  (DECLARE%:1 X T])

```

(DECLARE%:1

```

[LAMBDA (X EVALFLG) ; (* wt%: "20-OCT-77 13:09")
  (PROG NIL
   LP (COND
      ((NLISTP X)
       (RETURN))
      [(LISTP (CAR X))
       (AND EVALFLG (COND
                ((EQ (CAAR X)
                     'DECLARE%:)
                 (DECLARE%:1 (CDAR X)
                              T))
                (T (EVAL (CAR X)
                          (T (SELECTQ (CAR X)
                                       ((EVAL@LOAD DOEVAL@LOAD)
                                        (SETQ EVALFLG T))
                                       (EVAL@LOADWHEN (SETQ EVALFLG (EVAL (CADR X)))
                                                    (SETQ X (CDR X)))
                                       (DONTEVAL@LOAD (SETQ EVALFLG NIL))
                                       NIL)))
                          (SETQ X (CDR X))
                          (GO LP])

```

(ROOTFILENAME

```

[LAMBDA (NAME COMPFLG) ; Edited 22-May-92 11:59 by jds
  ;; Returns the root of the filename NAME, the atom that all file package properties will be associated with. If NAME names a compiled file, then
  ;; COMPFLG~=NIL and we assume that the extension is COMPILE.EXT, which is to be stripped off. We thus have something of an anomaly: We
  ;; can keep track of 2 symbolic files whose names differ only in extension, but we confuse them when we deal with their compiled versions.
  ;; The name is always returned in upper case, so that file-system case dependencies don't carry over into Medley, where source file names are
  ;; NOT case dependent. JDS, fixing AR 11518 5/21/92
  (U-CASE (NAMEFIELD (COND
                    ((TYPEP NAME 'STREAM)
                     (FULLNAME NAME))
                    (T NAME))
   (NOT COMPFLG])

```

(DEFINE-FILE-INFO

```

[NLAMBDA ARGS ; (* bvm%: "13-Oct-86 17:24")
  ;; Evaluated when it appears at top of file. Caller (e.g., LOAD) binds reader environment, so we just set it. Also return the env in case someone
  ;; wants it.
  (DECLARE (USEDFREE FILECREATEDLOC))
  (SETQ FILECREATEDLOC (GETFILEPTR))
  (SET-READER-ENVIRONMENT (\DO-DEFINE-FILE-INFO NIL ARGS])

```

(\DO-DEFINE-FILE-INFO

```

[LAMBDA (STREAM ARGS) ; (* bvm%: "14-Oct-86 00:28")

```

;;; Processes the (DEFINE-FILE-INFO . ARGS) at the front of STREAM


```

(LET (PACKAGE READTABLE BASE VALUE)
  [for TAIL on ARGS by (CDDR TAIL)
   do (SETQ VALUE (CADR TAIL))
      (SELECTQ (CAR TAIL)
        (:PACKAGE (SETQ PACKAGE (OR (if (LISTP VALUE)
                                         then (LET ((P (EVAL VALUE)))
                                             (if (TYPEP P 'PACKAGE)
                                                then P
                                                else (CL:FIND-PACKAGE P))))
                                         else (CL:FIND-PACKAGE VALUE))
          (ERROR "Can't find package for reader environment" VALUE))))
        (:READTABLE (SETQ READTABLE (OR (if (LISTP VALUE)
                                             then (\DTEST (EVAL VALUE)
                                                           'READTABLEP)
                                             else (FIND-READTABLE VALUE))
          (ERROR "Can't find read table for reader environment" VALUE)
          )))
        (:BASE (SETQ BASE (OR (\CHECKRADIX (if (LISTP VALUE)
                                                then (EVAL VALUE)
                                                else VALUE))
          (ERROR "Bad read base for reader environment" VALUE))))
        (ERROR "Unrecognized file info key" (CAR TAIL])
      (create READER-ENVIRONMENT
              REPACKAGE _ (OR PACKAGE *INTERLISP-PACKAGE*)
              REREADTABLE _ (OR READTABLE FILERDTBL)
              REBASE _ (OR BASE 10)
              RESPEC _ ARGS])
)

(RPAQ? EOLCHARCODE (CHCON1 "
                    "))

(RPAQ? PRETTYHEADER )

(RPAQ? DWIMFLG )

(RPAQ? UPDATEMAPFLG )

(RPAQ? DFNFLG )

(RPAQ? ADDSPELLFLG )

(RPAQ? BUILDMAPFLG )

(RPAQ? FILEPKGFLG )

(RPAQ? SYSFILES )

(RPAQ? NOTCOMPILEDFILES )

(RPAQ? RESETVARSLST )

(RPAQ? LOADPARAMETERS '( (SEQUENTIAL T)))

(RPAQ? LISPXHIST )

(RPAQ? LISPXPRINTFLG T)

(RPAQ? PRETTYHEADER "File created ")

(RPAQ? LOAD-VERBOSE-STREAM T)

(RPAQ? BELLS "' ``")

(RPAQ? LOADOPTIONS '(SYSLOAD NIL T PROP ALLPROP))

(RPAQ? PRETTYDEFMACROS NIL)

(RPAQ? PRETTYTYPELST NIL)

(RPAQ? FILEPKGTYPES NIL)

(ADDTOVAR LOADEDFILELST )

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS DWIMFLG UPDATEMAPFLG LOADOPTIONS LOADPARAMETERS FILERDTBL SYSFILES)
)

(DECLARE%: DONTEVAL@LOAD DOCOPY

[MAPC '( (PUTD . /PUTD)
        (PUTPROP . /PUTPROP)
        (PUTPROP . PUT)
        (PUTPROP . SAVEPUT)
        (ADDPROP . /ADDPROP)

```

```

(PUT . /PUT)
(PRIN1 . LISPXPRIN1)
(PRIN2 . LISPXPRIN2)
(PRINT . LISPXPRINT)
(TERPRI . LISPXTERPRI)
(SPACES . LISPXSPACES)
(GETPROP . GETP)
(SET . SAVESET)
(SET . /SET)
(NIL . MISSPELLED?)
(SETOPVAL . /SETOPVAL)
(BOOTSTRAP-NAMEFIELD . NAMEFIELD)
(BOOTSTRAP-NAMEFIELD . COMSNAME)
(NIL . RESETRESTORE))
(FUNCTION (LAMBDA (X)
  (OR (CCODEP (CDR X))
    (MOVD (CAR X)
      (CDR X)
      NIL T]

```

```

(AND (CCODEP 'BOOTSTRAP-NAMEFIELD)
  (PUTD 'BOOTSTRAP-NAMEFIELD))

```

```

(RADIX 10)
)

```

```

(DECLARE%: DOEVAL@COMPILE DONTCOPY

```

```

(DECLARE%: EVAL@COMPILE

```

```

(RPAQQ FASL:SIGNATURE 145)

```

```

(CONSTANTS FASL:SIGNATURE)
)
)

```

```

(DECLARE%: DONTVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVERS

```

```

(ADDTOVAR NLAMA DEFINE-FILE-INFO DECLARE%: PUTPROPS FILECREATED SELECTQ)

```

```

(ADDTOVAR NLAML PRETTYCOMPRINT RPAQ? RPAQ RPAQQ)

```

```

(ADDTOVAR LAMA )
)

```

```

(PUTPROPS BOOTSTRAP COPYRIGHT ("Venue & Xerox Corporation" 1983 1984 1985 1986 1987 1988 1989 1990 1992 1993))

```

FUNCTION INDEX

ADDPROP	3	FILECREATED1	7	PRETTYCOMPRINT	7	RPAQ?	2
BOOTSTRAP-NAMEFIELD	7	GETPROP	2	PROPNames	3	RPAQQ	2
CLOSEF?	4	LOAD	4	PUTPROP	3	SELECTQ	2
DECLARE%:	8	MEMB	4	PUTPROPS	8	SELECTQ1	3
DECLARE%:1	8	MOVD	2	REMPROP	4	SETATOMVAL	2
DEFINE-FILE-INFO	8	MOVD?	2	ROOTFILENAME	8	\DO-DEFINE-FILE-INFO	8
FILECREATED	7	NCONC1	3	RPAQ	2	\LOAD-STREAM	5

VARIABLE INDEX

ADDSPELLFLG	9	FILEPKGFLG	9	LOADOPTIONS	9	RESETVARSLST	9
BELLS	9	FILEPKGTYPES	9	LOADPARAMETERS	9	SYSFILES	9
BUILDMAPFLG	9	LISPXHIST	9	NOTCOMPILEDFILES	9	UPDATEMAPFLG	9
DFNFLG	9	LISXPXPRINTFLG	9	PRETTYDEFMACROS	9		
DWIMFLG	9	LOAD-VERBOSE-STREAM	9	PRETTYHEADER	9		
EOLCHARCODE	9	LOADEDFILELST	9	PRETTYTYPELST	9		

CONSTANT INDEX

FASL:SIGNATURE	10
----------------------	----
