```
(RPAQQ THINFILESCOMS
       [(DECLARE%: EVAL@COMPILE DONTCOPY (FILES (LOADCOMP)
                                               FILEBROWSER))
        (FNS FB.THINCOMMAND FB.THINP)
        (INITVARS [THINEXTENSIONS (UNION *COMPILED-EXTENSIONS* '(SYSOUT DCOM DATABASE LCOM DFASL MCOM MFASL
                                                                  DRIBBLE]
                 (THINNAMES NIL))
        (APPENDVARS (FB.MENU.ITEMS (Thin FB.THINCOMMAND "Delvers non-source files and removes all but the last
                                   source file of each day."])

(DECLARE%: EVAL@COMPILE DONTCOPY

(FILESLOAD (LOADCOMP)
       FILEBROWSER)
)

(DEFINEQ
```

(FB.THINCOMMAND

```
  [LAMBDA (FBROWSER)                                           ; Edited 18-Aug-2021 20:46 by rmk:
                                                               ; Edited 10-Oct-88 10:05 by jtm:
                                                               (* bvm%: "13-Oct-85 16:52")

          (* * FB.THINCOMMAND interfaces between the user and the file browser.
          It calls FB.THINP on each file to determine if the file should be deleted.
          Any changes to the heuristic should be made to FB.THINP.)

    (LET (TBROWSER NDELETED FILES NOW ONEDAY SORT#)

         (* * collect the files into a list.)

         (SETQ FILES (TB.COLLECT.ITEMS (SETQ TBROWSER (fetch (FILEBROWSER TABLEBROWSER) of FBROWSER))
                           (FUNCTION FB.IS.NOT.SUBDIRECTORY.ITEM)))

         (* * sort the files in descending order.)

         [SETQ FILES (SELECTQ (fetch (FILEBROWSER SORTBY) of FBROWSER)
                          (FB.NAMES.DECREASING.VERSION                    (* Just right)
                              FILES)
                          (FB.NAMES.INCREASING.VERSION                    (* Close, but no cigar)
                              (FB.SORT.VERSIONS FILES (FUNCTION FB.DECREASING.VERSION)))
                          (SORT FILES (FUNCTION FB.NAMES.DECREASING.VERSION]

         (* * delete the files that satisfy FB.THINP.)

         (SETQ NOW (IDATE (DATE)))
         (SETQ ONEDAY (IDIFFERENCE (IDATE "31-Aug-87 09:06:06")
                           (IDATE "30-Aug-87 09:06:06")))

         (* * get the position of CREATIONDATE. (code borrowed from FB.SORTCOMMAND))

         [SETQ SORT# (OR (CL:POSITION 'CREATIONDATE (fetch (FILEBROWSER INFODISPLAYED) of FBROWSER)
                              :KEY
                              (FUNCTION CAR))
                         (HELP "Couldn't find sort attribute" 'CREATIONDATE]
         (SETQ NDELETED (for TAIL FILE DATA on FILES bind (%#DELETED _ 0)
                                                   THISNAME LASTNAME CREATIONDATE TIMESTAMP LASTTIMESTAMP
                            do (SETQ FILE (CAR TAIL))
                               (SETQ DATA (fetch TIDATA of FILE))
                               (SETQ TIMESTAMP (AND (SETQ CREATIONDATE (CL:NTH SORT# (fetch (FBFILEDATA FILEINFO)
                                                                                        of DATA)))
                                             (IDATE CREATIONDATE)))
                               (OR TIMESTAMP (FB.PROMPTWPRINT FBROWSER T "No creation date for " THISNAME))
                               (SETQ THISNAME (fetch (FBFILEDATA VERSIONLESSNAME) of DATA))
                               (COND
                                  [(STRING-EQUAL THISNAME LASTNAME)
                                   (COND
                                      ((OR (NULL LASTTIMESTAMP)
                                           (NULL TIMESTAMP))        (* no creation date was given.)
                                       NIL)
                                      ((ILESSP LASTTIMESTAMP TIMESTAMP)
```

```
                                          (HELP (fetch (FBFILEDATA FILENAME) of DATA)
                                                "is out of order."))
                                   ((FB.THINP THISNAME (IDIFFERENCE NOW TIMESTAMP)
                                          (IDIFFERENCE LASTTIMESTAMP TIMESTAMP)
                                          [OR (NULL (CDR TAIL))
                                              (NOT (STRING-EQUAL THISNAME (fetch (FBFILEDATA VERSIONLESSNAME)
                                                                                 of (fetch TIDATA
                                                                                           of (CADR TAIL]
                                          ONEDAY)                        (* FB.THINP determines whether or not the file should be
                                                                            deleted.)
                                     (COND
                                        ((FB.DELETE.FILE TBROWSER FILE)
                                          (add %#DELETED 1]
                                       (T (SETQ LASTNAME THISNAME)))
                                   (SETQ LASTTIMESTAMP TIMESTAMP)
                       finally (RETURN %#DELETED)))
         (FB.UPDATE.COUNTERS FBROWSER 'DELETED)
         (FB.PROMPTWPRINT FBROWSER T "Done, " NDELETED " files marked for deletion."])
```

(**FB.THINP**
```
   [LAMBDA (FILENAME AGE DELTATIMESTAMP OLDESTVERSION? ONEDAY)       ; Edited  9-Oct-2021 00:35 by rmk:
     (SETQ FILENAME (U-CASE FILENAME))
     (COND
       [(OR (EQMEMB (FILENAMEFIELD FILENAME 'EXTENSION)
                    THINEXTENSIONS)
            (FIND TN (FN _ (FILENAMEFIELD FILENAME 'NAME))
                  (FE _ (FILENAMEFIELD FILENAME 'EXTENSION)) INSIDE THINNAMES
              SUCHTHAT

                      ;; Separate extractions because period for null extension is confusing

                      (AND (EQ FN (FILENAMEFIELD TN 'NAME))
                           (EQ FE (FILENAMEFIELD TN 'EXTENSION]
       (OLDESTVERSION?                                              ; don't delete the oldest version of source files.
             NIL)
       ((ILESSP AGE ONEDAY)                                        ; don't delete anything written within 24 hours.
        NIL)
       ((ILESSP (ITIMES DELTATIMESTAMP 3)
                ONEDAY)                                            ; delete anything that occurs on the same day as something else
                                                                   ; (except for the first day)
        T)
       ((ILESSP DELTATIMESTAMP (IQUOTIENT AGE 30))

        ;; after one month, delete things that are within a day of each other, after two months, within two days, etc.

        T])
```

)

(RPAQ? **THINEXTENSIONS** (UNION *COMPILED-EXTENSIONS* '(SYSOUT DCOM DATABASE LCOM DFASL MCOM MFASL DRIBBLE)))

(RPAQ? **THINNAMES** NIL)

(APPENDTOVAR FB.MENU.ITEMS (Thin FB.THINCOMMAND "Delvers non-source files and removes all but the last source
                           file of each day."))

(PUTPROPS **THINFILES COPYRIGHT** ("Xerox Corporation" 1987 1988 1989 1992 2021))

FUNCTION INDEX

VARIABLE INDEX