```
EEEEEEEEEEEEEEE  DDDDDDDDDDD     TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD    TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD    TTTTTTTTTTTTTTT
EEE              DDD         DDD       TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEEEEEEEEEEE     DDD          DDD      TTT
EEEEEEEEEEEE     DDD          DDD      TTT
EEEEEEEEEEEE     DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEE              DDD          DDD      TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDD          TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
```

```
WW      WW  FFFFFFFFFF  EEEEEEEEEE  NN      NN  DDDDDDDD     IIIIII    NN      NN    SSSSSSSS
WW      WW  FFFFFFFFFF  EEEEEEEEEE  NN      NN  DDDDDDDD     IIIIII    NN      NN    SSSSSSSS
WW      WW  FF          EE          NN      NN  DD      DD     II      NN      NN  SS
WW      WW  FF          EE          NN      NN  DD      DD     II      NN      NN  SS
WW      WW  FF          EE          NNNN    NN  DD      DD     II      NNNN    NN  SS
WW      WW  FF          EE          NNNN    NN  DD      DD     II      NNNN    NN  SS
WW      WW  FFFFFFFF    EEEEEEEE    NN  NN  NN  DD      DD     II      NN  NN  NN    SSSSSS
WW      WW  FFFFFFFF    EEEEEEEE    NN  NN  NN  DD      DD     II      NN  NN  NN    SSSSSS
WW  WW  WW  FF          EE          NN    NNNN  DD      DD     II      NN    NNNN          SS
WW  WW  WW  FF          EE          NN    NNNN  DD      DD     II      NN    NNNN          SS
WWWW  WWWW  FF          EE          NN      NN  DD      DD     II      NN      NN          SS      ....
WWWW  WWWW  FF          EE          NN      NN  DD      DD     II      NN      NN          SS      ....
WW      WW  FF          EEEEEEEEEE  NN      NN  DDDDDDDD     IIIIII    NN      NN  SSSSSSSS        ....
WW      WW  FF          EEEEEEEEEE  NN      NN  DDDDDDDD     IIIIII    NN      NN  SSSSSSSS        ....

LL              IIIIII      SSSSSSSS
LL              IIIIII      SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II        SSSSSS
LL                II        SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII    SSSSSSSS
LLLLLLLLLL      IIIIII    SSSSSSSS
```

```
;  1          0001  0 %TITLE 'EDT$WFENDINS - end of a series of inserts'
;  2          0002  0 MODULE EDT$WFENDINS (                          ! End of a series of inserts
;  3          0003  0                     IDENT = 'V04-000'                  ! File: WFENDINS.BLI Edit: JBS1008
;  4          0004  0                     ) =
;  5          0005  1 BEGIN
;  6          0006  1 !
;  7          0007  1 !**.*******************************************************************************
;  8          0008  1 !*                                                                                 *
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; 21          0021  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT        *
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; 23          0023  1 !*                                                                                 *
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; 25          0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                       *
; 26          0026  1 !*                                                                                 *
; 27          0027  1 !*                                                                                 *
; 28          0028  1 !*******************************************************************************
; 29          0029  1 !
; 30          0030  1
; 31          0031  1 !++
; 32          0032  1 ! FACILITY:     EDT -- The DEC Standard Editor
; 33          0033  1 !
; 34          0034  1 ! ABSTRACT:
; 35          0035  1 !
; 36          0036  1 !       End of a series of inserts.
; 37          0037  1 !
; 38          0038  1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
; 39          0039  1 !
; 40          0040  1 ! AUTHOR: Bob Kushlis, CREATION DATE: October 16, 1978
; 41          0041  1 !
; 42          0042  1 ! MODIFIED BY:
; 43          0043  1 !
; 44          0044  1 ! 1-001 - Original.  DJS 23-Feb-1981.  This module was created by
; 45          0045  1 !       extracting routine EDT$$END_INS  from module EDTWF.
; 46          0046  1 ! 1-002 - Regularize headers.  JBS 16-Mar-1981
; 47          0047  1 ! 1-003 - Remove division from line number calculations.  SMB 14-Jan-1982
; 48          0048  1 ! 1-004 - Add error check for line number too large.  SMB 04-Feb-1982
; 49          0049  1 ! 1-005 - Pass count by address instead of by value.  SMB 07-Feb-1982
; 50          0050  1 ! 1-006 - Modify to use new 48 bit macros. STS 01-Oct-1982
; 51          0051  1 ! 1-007 - Modify to use new compare line number macros. STS 20-Oct-1982
; 52          0052  1 ! 1-008 - Improve the appearance of the listing.  JBS 20-Jun-1983
; 53          0053  1 !--
; 54          0054  1
```

```
;    56          0055  1 %SBTTL 'Declarations'
;    57          0056  1 !
;    58          0057  1 ! TABLE OF CONTENTS:
;    59          0058  1 !
;    60          0059  1
;    61          0060  1 REQUIRE 'EDTSRC:TRAROUNAM';
;    62          0499  1
;    63          0500  1 FORWARD ROUTINE
;    64          0501  1     EDT$$END_INS : NOVALUE;
;    65          0502  1
;    66          0503  1 !
;    67          0504  1 ! INCLUDE FILES:
;    68          0505  1 !
;    69          0506  1
;    70          0507  1 REQUIRE 'EDTSRC:EDTREQ';
;    71          0642  1
;    72          0643  1 !
;    73          0644  1 ! MACROS:
;    74          0645  1 !
;    75          0646  1 !       NONE
;    76          0647  1 !
;    77          0648  1 ! EQUATED SYMBOLS:
;    78          0649  1 !
;    79          0650  1 !       NONE
;    80          0651  1 !
;    81          0652  1 ! OWN STORAGE:
;    82          0653  1 !
;    83          0654  1 !       NONE
;    84          0655  1 !
;    85          0656  1 ! EXTERNAL REFERENCES:
;    86          0657  1 !
;    87          0658  1 !       In the routine
```

; R

;
;

```
;    89          0659  1 %SBTTL 'EDT$$END_INS  - end a series of inserts'
;    90          0660  1
;    91          0661  1 GLOBAL ROUTINE EDT$$END_INS                    ! End a series of inserts
;    92          0662  1     : NOVALUE =
;    93          0663  1
;    94          0664  1 !++
;    95          0665  1 ! FUNCTIONAL DESCRIPTION:
;    96          0666  1 !
;    97          0667  1 !       This routine is called at the end of a series of insertions.  A line number
;    98          0668  1 !       increment is computed and the new lines are resequenced.  At this time, the
;    99          0669  1 !       variable EDT$$L_WK_INSCNT  is the number of lines which were inserted,
;   100          0670  1 !       EDT$$L_WK_STARTNO  and EDT$$L_WK_NXTLNO  are the line numbers of
;   101          0671  1 !       the lines preceding and following the inserted lines.  The line number increment
;   102          0672  1 !       is determined as follows:  If the difference between START and NXT is greater
;   103          0673  1 !       than the number of lines to be inserted, then find the closest power of ten
;   104          0674  1 !       and increment in units of (1*that power) beginning with STARTNO. If there
;   105          0675  1 !       is not enough room, use an increment of .00001 and resequence the lines; this
;   106          0676  1 !       will cause subsequent lines to be resequenced.
;   107          0677  1 !
;   108          0678  1 ! FORMAL PARAMETERS:
;   109          0679  1 !
;   110          0680  1 !       NONE
;   111          0681  1 !
;   112          0682  1 ! IMPLICIT INPUTS:
;   113          0683  1 !
;   114          0684  1 !       EDT$$L_WK_INSCNT
;   115          0685  1 !       EDT$$L_WK_NXTLNO
;   116          0686  1 !       EDT$$L_WK_STARTNO
;   117          0687  1 !       EDT$$L_LNO_ZERO
;   118          0688  1 !       EDT$$L_LNNO_BIG
;   119          0689  1 !       EDT$$L_LNOO
;   120          0690  1 !
;   121          0691  1 ! IMPLICIT OUTPUTS:
;   122          0692  1 !
;   123          0693  1 !       NONE
;   124          0694  1 !
;   125          0695  1 ! ROUTINE VALUE:
;   126          0696  1 !
;   127          0697  1 !       NONE
;   128          0698  1 !
;   129          0699  1 ! SIDE EFFECTS:
;   130          0700  1 !
;   131          0701  1 !       Calls EDT$$RSEQ
;   132          0702  1 !
;   133          0703  1 !--
;   134          0704  1
;   135          0705  2     BEGIN
;   136          0706  2
;   137          0707  2     EXTERNAL ROUTINE
;   138          0708  2         EDT$$RD_PRVLN,
;   139          0709  2         EDT$$RD_CURLN : NOVALUE,
;   140          0710  2         EDT$$RSEQ : NOVALUE;
;   141          0711  2
;   142          0712  2     EXTERNAL
;   143          0713  2         EDT$$L_LNO_BIG : LN_BLOCK,          ! Maximum line number
;   144          0714  2         EDT$$L_WK_INSCNT : LN_BLOCK,        ! The count of inserted lines
;   145          0715  2         EDT$$L_WK_NXTLNO : LN_BLOCK,        ! Line number following an insert
```

```
;  146     0716  2          EDT$$L_WK_STARTNO : LN_BLOCK,          ! Line number of line preceding an insert
;  147     0717  2          EDT$$L_LNO_ZERO : LN_BLOCK,
;  148     0718  2          EDT$$L_LNOO : LNOVECTOR [14];
;  149     0719  2
;  150     0720  2      LOCAL
;  151     0721  2          MAX,
;  152     0722  2          DIF : LN_BLOCK,
;  153     0723  2          INC : LN_BLOCK,
;  154     0724  2          DIVISOR : LN_BLOCK;
;  155     0725  2
;  156     0726  2  !+
;  157     0727  2  ! Don't do anything if count is zero.
;  158     0728  2  !-
;  159     0729  2
;  160     0730  2      IF LINNOEQL (EDT$$L_LNO_ZERO, EDT$$L_WK_INSCNT) THEN RETURN;
;  161     0731  2
;  162     0732  2  !+
;  163     0733  2  ! Position to the first inserted line.
;  164     0734  2  !-
;  165     0735  2      EDT$$RD_CURLN ();
;  166     0736  2      MOVELINE (EDT$$L_LNO_ZERO, INC);
;  167     0737  2
;  168     0738  2      DO
;  169     0739  3          BEGIN
;  170     0740  3          EDT$$RD_PRVLN ();
;  171     0741  3          ADDLINE (NUMBER_ONE, INC);
;  172     0742  3          END
;  173     0743  2      UNTIL LINNOEQL (INC, EDT$$L_WK_INSCNT);
;  174     0744  2
;  175     0745  2  !+
;  176     0746  2  ! Compute the difference in line numbers between the lines surrounding
;  177     0747  2  ! the inserted text.
;  178     0748  2  !-
;  179     0749  2      SUBLINE (EDT$$L_WK_STARTNO, EDT$$L_WK_NXTLNO, DIF);
;  180     0750  2  !+
;  181     0751  2  ! If this is zero, we must be at the end of the buffer; choose an increment of 1.00000.
;  182     0752  2  !-
;  183     0753  2
;  184     0754  3      IF LINNOEQL (DIF, EDT$$L_LNO_ZERO)
;  185     0755  2      THEN
;  186     0756  3          MOVELINE (EDT$$L_LNOO [5], INC)
;  187     0757  2      ELSE
;  188     0758  2  !+
;  189     0759  2  ! Compute an increment for numbering the lines.
;  190     0760  2  !-
;  191     0761  3          BEGIN
;  192     0762  3          ADDLINE (NUMBER_ONE, EDT$$L_WK_INSCNT, DIVISOR);        ! # of lines + 1
;  193     0763  3
;  194     0764  4          IF (CMPLNO (DIVISOR, DIF) GTR 0)          ! If there are more lines to
;  195     0765  3          THEN                                      ! insert than room available
;  196     0766  4              MOVELINE (EDT$$L_LNOO, INC)           ! use .00001 as increment
;  197     0767  3          ELSE
;  198     0768  4              BEGIN
;  199     0769  4              MOVELINE (EDT$$L_LNOO [5], INC);      ! Assume INC=1.00000
;  200     0770  4                                                    ! unless another is found
;  201     0771  4
;  202     0772  4              INCR I FROM 0 TO 4 DO
```

```
;  203     0773  5                 BEGIN
;  204     0774  5 !+
;  205     0775  5 ! Find the closest power of ten to the quotient of DIF/DIVISOR which is less than 10**5
;  206     0776  5 ! by increasing the divisor by a power of ten and comparing to DIF.
;  207     0777  5 !-
;  208     0778  5                 MULTLINE (EDT$$L_LNOO [1], DIVISOR, DIVISOR);
;  209     0779  5
;  210     0780  6                 IF (CMPLNO (DIVISOR, DIF) GTR 0)
;  211     0781  5                 THEN
;  212     0782  6                     BEGIN
;  213     0783  6                     MOVELINE (EDT$$L_LNOO [.I], INC);
;  214     0784  6                     EXITLOOP;
;  215     0785  5                     END;
;  216     0786  5
;  217     0787  4                 END;
;  218     0788  4
;  219     0789  3             END;
;  220     0790  3
;  221     0791  2         END;
;  222     0792  2
;  223     0793  2 !+
;  224     0794  2 ! Get the number of the first new line.  If the maximum line number is
;  225     0795  2 ! exceeded, make the start number equal to the largest possible line number.
;  226     0796  2 !-
;  227     0797  2     ADDLINE (INC, EDT$$L_WK_STARTNO, EDT$$L_WK_STARTNO, MAX);
;  228     0798  2
;  229     0799  3     IF ((.MAX NEQ 0) OR (CMPLNO (EDT$$L_WK_STARTNO, EDT$$L_LNO_BIG) GTR 0))     !
;  230     0800  2     THEN
;  231     0801  2         MOVELINE (EDT$$L_LNO_BIG, EDT$$L_WK_STARTNO);
;  232     0802  2
;  233     0803  2 !+
;  234     0804  2 ! Now resequence the range.
;  235     0805  2 !-
;  236     0806  2     EDT$$RSEQ (EDT$$L_WK_INSCNT, EDT$$L_WK_STARTNO, INC)
;  237     0807  1     END;                                    ! of routine EDT$$END_INS


                                                    .TITLE  EDT$WFENDINS EDT$WFENDINS - end of a series of
;                                                                       inserts
                                                    .IDENT  \V04-000\

                                                    .EXTRN  EDT$$RD_PRVLN, EDT$$RD_CURLN
                                                    .EXTRN  EDT$$RSEQ, EDT$$L_LNO_BIG
                                                    .EXTRN  EDT$$L_WK_INSCNT
                                                    .EXTRN  EDT$$L_WK_NXTLNO
                                                    .EXTRN  EDT$$L_WK_STARTNO
                                                    .EXTRN  EDT$$L_LNO_ZERO
                                                    .EXTRN  EDT$$L_LNOO

                                                    .PSECT  _EDT$CODE,NOWRT,  SHR,  PIC,2

                                    0FFC 00000      .ENTRY  EDT$$END_INS, Save R2,R3,R4,R5,R6,R7,R8,R9,-; 0661
                                                            R10,R11
                5B 00000000G   00   9E 00002        MOVAB   EDT$$L_LNOO+30, R11                          ;
                5A 00000000G   00   9E 00009        MOVAB   LOW_2, R10                                   ;
                59 00000000G   00   9E 00010        MOVAB   EDT$$L_WK_STARTNO, R9                        ;
                5E             28   C2 00017        SUBL2   #40, SP                                      ;
```

```
                                6A 00000000G   00   D1 0001A          CMPL    LOW_1, LOW_2                                    ; 0730
                                               0B   12 00021          BNEQ    1$                                              ;
                          04    AA 00000000G   00   B1 00023          CMPW    HIGH_1, HIGH_2                                  ;
                                               01   12 0002B          BNEQ    1$                                              ;
                                               04   0002D            RET                                                     ;
                00000000G 00                   00   FB 0002E 1$:     CALLS   #0, EDT$$RD_CURLN                               ; 0735
             18 AE 00000000G 00                06   28 00035          MOVC3   #6, EDT$$L_LNO_ZERO, INC                        ; 0736
                00000000G 00                   00   FB 0003E 2$:     CALLS   #0, EDT$$RD_PRVLN                               ; 0740
                                      18 AE    D6 00045          INCL    FIRST_LWORD                                     ; 0741
                                               03   12 00048          BNEQ    3$                                              ;
                                      1C AE    B6 0004A          INCW    NEXT_WORD                                       ;
                                   51          6A   D0 0004D 3$:     MOVL    LOW_2, R1                                       ; 0743
                                   51      18 AE    D1 00050          CMPL    LOW_1, R1                                       ;
                                               E8   12 00054          BNEQ    2$                                              ;
                          04    AA       1C AE    B1 00056          CMPW    HIGH_1, HIGH_2                                  ;
                                               E1   12 0005B          BNEQ    2$                                              ;
                                   50      26 AE    B0 0005D          MOVW    UPPER_WORD, SAVE                                ; 0749
             20 AE 00000000G       00             69   C3 00061          SUBL3   EDT$$L_WK_STARTNO, EDT$$L_WK_NXTLNO, DIF        ;
                          24 AE 00000000G 00       D0 00068          MOVL    EDT$$L_WK_NXTLNO+4, DIF                         ;
                          24 AE       04 AE        A9 D9 00072          SBWC    EDT$$L_WK_STARTNO+4, DIF                        ;
                          26 AE                    50   B0 00077          MOVW    SAVE, UPPER_WORD                                ;
                                   58      20 AE    D0 0007B          MOVL    LOW_1, R8                                       ; 0754
                00000000G 00                   58   D1 0007F          CMPL    R8, LOW_2                                       ;
                                               11   12 00086          BNEQ    4$                                              ;
                00000000G 00          24 AE    B1 00088          CMPW    HIGH_1, HIGH_2                                  ;
                                               07   12 00090          BNEQ    4$                                              ;
             18 AE                     6B      06   28 00092          MOVC3   #6, EDT$$L_LNO0+30, INC                         ; 0756
                                               3E   11 00097          BRB     11$                                             ;
                          10 AE          01 A1    9E 00099 4$:     MOVAB   1(R1), FIRST_WORD                               ; 0762
                                   50     04 AA    3C 0009E          MOVZWL  SOURCE_2HI, R0                                  ;
                                          10 AE    D5 000A2          TSTL    FIRST_WORD                                      ;
                                               07   12 000A5          BNEQ    5$                                              ;
             14 AE                     50      01   A1 000A7          ADDW3   #1, R0, NEXT_WORD                               ;
                                               04   11 000AC          BRB     6$                                              ;
                          14 AE                50   B0 000AE 5$:     MOVW    R0, NEXT_WORD                                   ;
                          24 AE          14 AE    B1 000B2 6$:     CMPW    HIGH_1, HIGH_2                                  ; 0764
                                               08   1F 000B7          BLSSU   7$                                              ;
                                               11   12 000B9          BNEQ    9$                                              ;
                                   58      10 AE    D1 000BB          CMPL    LOW_1, R8                                       ;
                                               05   1E 000BF          BGEQU   8$                                              ;
                                   50          01   CE 000C1 7$:     MNEGL   #1, R0                                          ;
                                               09   11 000C4          BRB     10$                                             ;
                                               04   12 000C6 8$:     BNEQ    9$                                              ;
                                               50   D4 000C8          CLRL    R0                                              ;
                                               03   11 000CA          BRB     10$                                             ;
                                   50          01   D0 000CC 9$:     MOVL    #1, R0                                          ;
                                               08   15 000CF 10$:    BLEQ    12$                                             ;
             18 AE                E2     AB      06   28 000D1          MOVC3   #6, EDT$$L_LNO0, INC                            ; 0766
                                               6A   11 000D7 11$:    BRB     21$                                             ;
             18 AE                     6B      06   28 000D9 12$:    MOVC3   #6, EDT$$L_LNO0+30, INC                         ; 0769
                                   57      14 AE    3C 000DE          MOVZWL  DIVISOR+4, R7                                   ; 0778
                                               56   D4 000E2          CLRL    I                                               ;
                          08 AE          10 AE    D0 000E4 13$:    MOVL    DIVISOR, M2                                     ;
                          0C AE                    57   D0 000E9          MOVL    R7, M2+4                                        ;
                                               6E   7C 000ED          CLRQ    P                                               ;
                                   50          10   D0 000EF          MOVL    #16, I                                          ;
                          6E                   6E   01   79 000F2 14$:    ASHQ    #1, P, P                                        ;
```

```
                09      E8  AB              50  E1 000F6           BBC     I, M1, 15$                                          ;
                        6E      08          AE  C0 000FB           ADDL2   M2, P                                               ;
                    04  AE      0C          AE  D8 000FF           ADL     M2, P                                               ;
                        EB                  50  F4 00104 15$:     SOBGEQ  I, 14$                                              ;
                    10  AE                  6E  D0 00107           MOVL    P, DIVISOR                                          ;
                    14  AE      04          AE  B0 00108           MOVW    P+4, DIVISOR+4                                      ;
                        57      14          AE  3C 00110           MOVZWL  HIGH_1, R7                                          ; 0780
                        57      24          AE  B1 00114           CMPW    HIGH_2, R7                                          ;
                                            08  1A 00118           BGTRU   16$                                                 ;
                                            11  12 0011A           BNEQ    18$                                                 ;
                        58      10          AE  D1 0011C           CMPL    LOW_1, R8                                           ;
                                            05  1E 00120           BGEQU   17$                                                 ;
                        50                  01  CE 00122 16$:     MNEGL   #1, R0                                              ;
                                            09  11 00125           BRB     19$                                                 ;
                                            04  12 00127 17$:     BNEQ    18$                                                 ;
                                            50  D4 00129           CLRL    R0                                                  ;
                                            03  11 0012B           BRB     19$                                                 ;
                        50                  01  D0 0012D 18$:     MOVL    #1, R0                                              ;
                                            0D  15 00130 19$:     BLEQ    20$                                                 ;
            50          56                  06  C5 00132           MULL3   #6, I, R0                                           ; 0783
        18  AE      E2  AB40                06  28 00136           MOVC5   #6, EDT$$L_LNOO[R0], INC                            ;
                                            04  11 0013D           BRB     21$                                                 ; 0782
            A1          56                  04  F3 0013F 20$:     AOBLEQ  #4, I, 13$                                          ; 0772
                        50      06          A9  3C 00143 21$:     MOVZWL  S2_UP, R0                                           ; 0797
            52          50      1E          AE  A1 00147           ADDW3   S1_UP, R0, SAVES2                                   ;
                        51                  50  B0 0014C           MOVW    R0, SAVED                                           ;
                        69      18          AE  C0 0014F           ADDL2   INC, EDT$$L_WK_STARTNO                              ;
                    04  A9      1C          AE  D8 00153           ADWC    INC, EDT$$L_WK_STARTNO+4                            ;
                        52      06          A9  B1 00158           CMPW    DEST_UP, SAVES2                                     ;
                                            04  12 0015C           BNEQ    22$                                                 ;
                                            50  D4 0015E           CLRL    MAX                                                 ;
                                            03  11 00160           BRB     23$                                                 ;
                        50                  01  D0 00162 22$:     MOVL    #1, MAX                                             ;
                06      A9                  51  B0 00165 23$:     MOVW    SAVED, DEST_UP                                      ;
                                            50  D5 00169           TSTL    MAX                                                 ; 0799
                                            31  12 0016B           BNEQ    28$                                                 ;
                        51          04      A9  3C 0016D           MOVZWL  HIGH_1, R1                                          ;
                        50  00000000G      00  3C 00171           MOVZWL  HIGH_2, R0                                          ;
                        50                  51  D1 00178           CMPL    R1, R0                                              ;
                                            11  1F 0017B           BLSSU   24$                                                 ;
                                            1A  12 0017D           BNEQ    26$                                                 ;
                        51                  69  D0 0017F           MOVL    LOW_1, R1                                           ;
                        50  00000000G      00  D0 00182           MOVL    LOW_2, R0                                           ;
                        50                  51  D1 00189           CMPL    R1, R0                                              ;
                                            05  1E 0018C           BGEQU   25$                                                 ;
                        50                  01  CE 0018E 24$:     MNEGL   #1, R0                                              ;
                                            09  11 00191           BRB     27$                                                 ;
                                            04  12 00193 25$:     BNEQ    26$                                                 ;
                                            50  D4 00195           CLRL    R0                                                  ;
                                            03  11 00197           BRB     27$                                                 ;
                        50                  01  D0 00199 26$:     MOVL    #1, R0                                              ;
                                            08  15 0019C 27$:     BLEQ    29$                                                 ;
    69  00000000G      00                  06  28 0019E 28$:     MOVC3   #6, EDT$$L_LNO_BIG, EDT$$L_WK_STARTNO               ; 0801
                            18      AE      9F 001A6 29$:         PUSHAB  INC                                                 ; 0806
                                            59  DD 001A9           PUSHL   R9                                                  ;
                                            5A  DD 001AB           PUSHL   R10                                                 ;
        00000000G   00                      03  FB 001AD           CALLS   #3, EDT$$RSEQ                                       ;
```

```
                                        04 001B4        RET                                             ; 0807

; Routine Size:  437 bytes,    Routine Base:  _EDT$CODE + 0000

;  238          0808  1
;  239          0809  1 !<BLF/PAGE>
```

```
;  241          0810  1 END                                   ! of module EDT$WFENDINS
;  242          0811  1
;  243          0812  0 ELUDOM
```

```
;                                  PSECT SUMMARY

;       Name                    Bytes                           Attributes

;  _EDT$CODE                        437  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
```

```
;                                Library Statistics

;                                          --------  Symbols  --------      Pages       Processing
;       File                               Total     Loaded   Percent       Mapped      Time

;  _$255$DUA28:[EDT.SRC]EDT.L32;1            377         13         3           40        00:00.2
;  _$255$DUA28:[EDT.SRC]PSECTS.L32;1           2          1        50            7        00:00.1
```

```
;                                  COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:WFENDINS/OBJ=OBJ$:WFENDINS MSRC$:WFENDINS.BLI/UPDATE=(ENH$:WFEN
;       DINS)

; Size:          437 code + 0 data bytes
; Run Time:          00:23.2
; Elapsed Time:      00:28.8
; Lines/CPU Min:      2101
; Lexemes/CPU-Min:  14684
; Memory Used:   193 pages
; Compilation Complete
```

VMSMSG.LIS
WFCOPLIN.LIS
USSTRING.LIS
WFSCOPY.LIS
WFDELLIN.LIS
WFGETBKT.LIS
WFOPNBUF.LIS
WFREABCK.LIS
WFREAFWD.LIS
WFSTRING.LIS
WFAPPBKT.LIS
UGBUFFER.LIS
WFCLEAR.LIS
USSUBS.LIS
WFDELBKT.LIS
WFSPLBKT.LIS
WFLOCLIN.LIS
WFRBUKT.LIS
WFINSLIN.LIS
WFREACUR.LIS
WFREAINP.LIS
WFTOP.LIS
WFREPLIN.LIS
WFBOTTOM.LIS
WFECOPY.LIS