```
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
```

```
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
```

EDT
V04

```
;     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 !*                                                                        *
;     9          0009  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                               *
;    10          0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                 *
;    11          0011  1 !*  ALL RIGHTS RESERVED.                                                   *
;    12          0012  1 !*                                                                        *
;    13          0013  1 !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED   *
;    14          0014  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
;    15          0015  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER   *
;    16          0016  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
;    17          0017  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
;    18          0018  1 !*  TRANSFERRED.                                                           *
;    19          0019  1 !*                                                                        *
;    20          0020  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
;    21          0021  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
;    22          0022  1 !*  CORPORATION.                                                           *
;    23          0023  1 !*                                                                        *
;    24          0024  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
;    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
```

```
;    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$$RD_CURLN                               ; 0735
                18   AE 00000000G   00         00   28 00035          MOVC3   #6, EDT$$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$$L_WK_NXTLNO, DIF        ;
                           24    AE 00000000G   00   D0 0006A          MOVL    EDT$$L_WK_NXTLNO+4, DIF                         ;
                           24    AE       04    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          ADWC    M2, P                                               ;
                      EB                    50  F4 00104 15$:    SOBGEQ  I, 14$                                              ;
                   10 AE                    6E  D0 00107          MOVL    P, DIVISOR                                          ;
                   14 AE          04      AE  B0 0010B          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