```
EEEEEEEEEEEEEEE  DDDDDDDDDDDD     TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD     TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD     TTTTTTTTTTTTTTTT
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  DDDDDDDDDDDD            TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD            TTT
EEEEEEEEEEEEEEE  DDDDDDDDDDDD            TTT
```

```
WW      WW  FFFFFFFFFF    CCCCCCCC    000000    PPPPPPPP    LL            IIIIII    NN      NN
WW      WW  FFFFFFFFFF    CCCCCCCC    000000    PPPPPPPP    LL            IIIIII    NN      NN
WW      WW  FF          CC          00      00  PP      PP  LL              II      NN      NN
WW      WW  FF          CC          00      00  PP      PP  LL              II      NN      NN
WW      WW  FF          CC          00      00  PP      PP  LL              II      NNNN    NN
WW      WW  FF          CC          00      00  PP      PP  LL              II      NNNN    NN
WW      WW  FFFFFFFF    CC          00      00  PPPPPPPP    LL              II      NN  NN  NN
WW      WW  FFFFFFFF    CC          00      00  PPPPPPPP    LL              II      NN  NN  NN
WW  WW  WW  FF          CC          00      00  PP          LL              II      NN    NNNN
WW  WW  WW  FF          CC          00      00  PP          LL              II      NN    NNNN
WWWW  WWWW  FF          CC          00      00  PP          LL              II      NN      NN      ....
WWWW  WWWW  FF          CC          00      00  PP          LL              II      NN      NN      ....
WW      WW  FF            CCCCCCCC    000000    PP          LLLLLLLLLL    IIIIII    NN      NN      ....
WW      WW  FF            CCCCCCCC    000000    PP          LLLLLLLLLL    IIIIII    NN      NN      ....


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
```

```
0001  0 %TITLE 'EDT$WFCOPLIN - copy a line'
0002  0 MODULE EDT$WFCOPLIN (                                  ! Copy a line
0003  0                 IDENT = 'V04-000'                          ! File: WFCOPLIN.BLI Edit: JBS1007
0004  0                 ) =
0005  1 BEGIN
0006  1 !
0007  1 !*********************************************************************
0008  1 !*                                                                   *
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0026  1 !*                                                                   *
0027  1 !*                                                                   *
0028  1 !*********************************************************************
0029  1 !
0030  1
0031  1 !++
0032  1 ! FACILITY:     EDT -- The DEC Standard Editor
0033  1 !
0034  1 ! ABSTRACT:
0035  1 !
0036  1 !       Copy a line, optionally deleting it.
0037  1 !
0038  1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
0039  1 !
0040  1 ! AUTHOR: Bob Kushlis, CREATION DATE: October 16, 1978
0041  1 !
0042  1 ! MODIFIED BY:
0043  1 !
0044  1 ! 1-001 - Original.  DJS 23-Feb-1981.  This module was created by
0045  1 !         extracting routine EDT$$CPY_LN  from module EDTWF.
0046  1 ! 1-002 - Regularize headers.  JBS 16-Mar-1981
0047  1 ! 1-003 - Save line being copied since we don't have indirect access
0048  1 !         into the workfile anymore. STS 23-Feb-1982
0049  1 ! 1-004 - Make line larger.  STS 23-Feb-1982
0050  1 ! 1-005 - Change stack allocation to get heap storage. STS 05-Mar-1982
0051  1 ! 1-006 - Give an error return if the heap storage is not available.  JBS 09-Jun-1982
0052  1 ! 1-007 - Improve the appearance of the listing.  JBS 20-Jun-1983
0053  1 !--
0054  1
```

```
1 %SBTTL 'Declarations'
1 !
1 ! TABLE OF CONTENTS:
1 !
1
1 REQUIRE 'EDTSRC:TRAROUNAM';
1
1 FORWARD ROUTINE
1     EDT$$CPY_LN;
1
1 !
1 ! INCLUDE FILES:
1 !
1
1 REQUIRE 'EDTSRC:EDTREQ';
1
1 !
1 ! MACROS:
1 !
1 !         NONE
1 !
1 ! EQUATED SYMBOLS:
1 !
1 !         NONE
1 !
1 ! OWN STORAGE:
1 !
1 !         NONE
1 !
1 ! EXTERNAL REFERENCES:
1 !
1 !         In the routine
```

```
%SBTTL 'EDT$$CPY_LN  - copy a line'

GLOBAL ROUTINE EDT$$CPY_LN (                        . Copy a line
    DELETE                                          . 1 = delete after copying
    ) =

!++
! FUNCTIONAL DESCRIPTION:
!
!       Copy a line.  The delete parameter indicates that the line
!       should be deleted after copying.
!
! FORMAL PARAMETERS:
!
!  DELETE                 1 = delete after copying
!
! IMPLICIT INPUTS:
!
!       EDT$$A_CUR_BUF
!       EDT$$A_ALT_BUF
!       EDT$$A_WK_LN
!
! IMPLICIT OUTPUTS:
!
!       EDT$$A_CUR_BUF
!
! ROUTINE VALUE:
!
!       1 = OK
!       0 = failed for lack of heap storage
!
! SIDE EFFECTS:
!
!       NONE
!
!--

    BEGIN

    EXTERNAL ROUTINE
        EDT$$ALO_HEAP,                              ! Allocate heap storage
        EDT$$DEA_HEAP : NOVALUE,                    ! Deallocate heap storage
        EDT$$DEL_CURLN : NOVALUE,
        EDT$$INS_LN : NOVALUE,
        EDT$$RD_CURLN : NOVALUE;

    EXTERNAL
        EDT$$A_CUR_BUF : REF TBCB_BLOCK,            ! Current text buffer control block
        EDT$$A_ALT_BUF,                             ! Alternate text buffer control block
        EDT$$A_WK_LN : REF LIN_BLOCK;               ! Pointer to current line

    LOCAL
        SAVE_TBCB,
        LINE,
        LINE_LEN;

!+
```

```
0716  2 ! since we do not have indirect access to the workfile with callable EDT
0717  2 ! we must copy out the line we wish to copy before we get the next bucket.
0718  2 !-
0719  2
0720  2     IF ( NOT EDT$$ALO_HEAP (%REF (512), LINE)) THEN RETURN (0);
0721  2
0722  2     LINE_LEN = .EDT$$A_WK_LN [LIN_LENGTH];
0723  2     EDT$$CPY_MEM (.LINE_LEN, EDT$$A_WK_LN [LIN_TEXT], .LINE);
0724  2     SAVE_TBCB = .EDT$$A_CUR_BUF;
0725  2     EDT$$A_CUR_BUF = .EDT$$A_ALT_BUF;
0726  2     EDT$$RD_CURLN ();
0727  2     EDT$$INS_LN (.LINE, .LINE_LEN);
0728  2     EDT$$DEA_HEAP (%REF (512), LINE);
0729  2     EDT$$A_CUR_BUF = .SAVE_TBCB;
0730  2     EDT$$RD_CURLN ();
0731  2
0732  2     IF .DELETE THEN EDT$$DEL_CURLN ();
0733  2
0734  2     RETURN (1);
0735  1     END;                                          ! of routine EDT$$CPY_LN

                                                          .TITLE  EDT$WFCOPLIN EDT$WFCOPLIN - copy a line
                                                          .IDENT  \V04-000\

                                                          .EXTRN  EDT$$ALO_HEAP, EDT$$DEA_HEAP
                                                          .EXTRN  EDT$$DEL_CURLN, EDT$$INS_LN
                                                          .EXTRN  EDT$$RD_CURLN, EDT$$A_CUR_BUF
                                                          .EXTRN  EDT$$A_ALT_BUF, EDT$$A_WK_LN

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

                                 01FC 00000               .ENTRY  EDT$$CPY_LN, Save R2,R3,R4,R5,R6,R7,R8      ; 0661
                58 00000000G  00  9E 00002               MOVAB   EDT$$RD_CURLN, R8                           ;
                57 00000000G  00  9E 00009               MOVAB   EDT$$A_CUR_BUF, R7                          ;
                5E            08  C2 00010               SUBL2   #8, SP                                      ;
                        04    AE  9F 00013               PUSHAB  LINE                                        ; 0720
          04    AE      0200  8F  3C 00016               MOVZWL  #512, 4(SP)                                 ;
                        04    AE  9F 0001C               PUSHAB  4(SP)                                       ;
   00000000G    00            02  FB 0001F               CALLS   #2, EDT$$ALO_HEAP                           ;
                51            50  E9 00026               BLBC    R0, 2$                                      ;
                50 00000000G  00  D0 00029               MOVL    EDT$$A_WK_LN, R0                            ; 0722
                56            60  9A 00030               MOVZBL  (R0), LINE_LEN                              ;
04  BE    07    A0            56  28 00033               MOVC3   LINE_LEN, 7(R0), @LINE                      ; 0723
                52            67  D0 00039               MOVL    EDT$$A_CUR_BUF, SAVE_TBCB                   ; 0724
                67 00000000G  00  D0 0003C               MOVL    EDT$$A_ALT_BUF, EDT$$A_CUR_BUF              ; 0725
                68            00  FB 00043               CALLS   #0, EDT$$RD_CURLN                           ; 0726
                              56  DD 00046               PUSHL   LINE_LEN                                    ; 0727
                        08    AE  DD 00048               PUSHL   LINE                                        ;
   00000000G    00            02  FB 0004B               CALLS   #2, EDT$$INS_LN                             ;
                        04    AE  9F 00052               PUSHAB  LINE                                        ; 0728
          04    AE      0200  8F  3C 00055               MOVZWL  #512, 4(SP)                                 ;
                        04    AE  9F 0005B               PUSHAB  4(SP)                                       ;
   00000000G    00            02  FB 0005E               CALLS   #2, EDT$$DEA_HEAP                           ;
                67            52  D0 00065               MOVL    SAVE_TBCB, EDT$$A_CUR_BUF                   ; 0729
                68            00  FB 00068               CALLS   #0, EDT$$RD_CURLN                           ; 0730
                07        04  AC  E9 0006B               BLBC    DELETE, 1$                                  ; 0732
```

```
                    00000000G  00          00  FB 0006F          CALLS   #0, EDT$$DEL_CURLN                  ;
                               50          01  D0 00076 1$:      MOVL    #1, R0                              ; 0734
                                               04 00079          RET                                         ;
                                           50  D4 0007A 2$:      CLRL    R0                                  ; 0735
                                               04 0007C          RET                                         ;

; Routine Size:  125 bytes,    Routine Base:  _EDT$CODE + 0000

;  166          0736  1
;  167          0737  1 !<BLF/PAGE>
```

```
;  169          0738  1 END                                          . of module EDT$WFCOPLIN
;  170          0739  1
;  171          0740  0 ELUDOM


;                                  PSECT SUMMARY

;       Name                      Bytes                        Attributes

;  _EDT$CODE                        125  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        32         8        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$:WFCOPLIN/OBJ=OBJ$:WFCOPLIN MSRC$:WFCOPLIN.BLI/UPDATE=(ENH$:WFCO
;       PLIN)

; Size:         125 code + 0 data bytes
; Run Time:        00:11.1
; Elapsed Time:    00:13.7
; Lines/CPU Min:    4010
; Lexemes/CPU-Min: 11593
; Memory Used:  75 pages
; Compilation Complete
```

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