```
EEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTT
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
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDD             TTT
```

EXE

Mod

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```
LL          FFFFFFFFFF   IIIIII   LL          LL
LL          FFFFFFFFFF   IIIIII   LL          LL
LL          FF             II     LL          LL
LL          FF             II     LL          LL
LL          FF             II     LL          LL
LL          FF             II     LL          LL
LL          FFFFFFFF       II     LL          LL
LL          FFFFFFFF       II     LL          LL
LL          FF             II     LL          LL
LL          FF             II     LL          LL
LL          FF             II     LL          LL       ....
LL          FF             II     LL          LL       ....
LLLLLLLLLL  FF           IIIIII   LLLLLLLLLL  LLLLLLLLLL  ....
LLLLLLLLLL  FF           IIIIII   LLLLLLLLLL  LLLLLLLLLL  ....


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$LFILL - FILL line-mode command'
    2    0002  0  MODULE EDT$LFILL (                            ! FILL line-mode command
    3    0003  0                   IDENT = 'V04-000'                    ! File: LFILL.BLI Edit: STS1006
    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  !      This module executes the line mode FILL command.
   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: February 3, 1978
   41    0041  1  !
   42    0042  1  !  MODIFIED BY:
   43    0043  1  !
   44    0044  1  !  1-001 - Original.  DJS 30-JAN-81.  This module was created by
   45    0045  1  !          extracting the routine EDT$$FILL_CMD  from the module EXEC.BLI.
   46    0046  1  !  1-002 - Regularize headers.  JBS 19-Mar-1981
   47    0047  1  !  1-003 - Flag that the screen has changed.  JBS 07-Jul-1982
   48    0048  1  !  1-004 - Put edt$$tst_eob in line. STS 22-Sep-1982
   49    0049  1  !  1-005 - Remove EDT$$G_SCR_CHGD, not needed by new screen logic.  JBS 09-Oct-1982
   50    0050  1  !  1-006 - Remove EDT$$RNG_POSFRST. STS 11-Oct-1982
   51    0051  1  !--
   52    0052  1
```

```
 54    0053  1  %SBTTL 'Declarations'
 55    0054  1  !
 56    0055  1  ! TABLE OF CONTENTS:
 57    0056  1  !
 58    0057  1  !
 59    0058  1  REQUIRE 'EDTSRC:TRAROUNAM';
 60    0497  1
 61    0498  1  FORWARD ROUTINE
 62    0499  1      EDT$$FILL_CMD : NOVALUE;                          ! Process the FILL command
 63    0500  1
 64    0501  1  !
 65    0502  1  ! INCLUDE FILES:
 66    0503  1  !
 67    0504  1
 68    0505  1  REQUIRE 'EDTSRC:EDTREQ';
 69    0640  1
 70    0641  1  !
 71    0642  1  ! MACROS:
 72    0643  1  !
 73    0644  1  !      NONE
 74    0645  1  !
 75    0646  1  ! EQUATED SYMBOLS:
 76    0647  1  !
 77    0648  1  !      NONE
 78    0649  1  !
 79    0650  1  ! OWN STORAGE:
 80    0651  1  !
 81    0652  1  !      NONE
 82    0653  1  !
 83    0654  1  ! EXTERNAL REFERENCES:
 84    0655  1  !
 85    0656  1  !      In the routine
```

G 16
EDT$LFILL   EDT$LFILL - FILL line-mode command   16-Sep-1984 00:49:50   VAX-11 Bliss-32 V4.0-742   Page 3
V04-000   EDT$$FILL_CMD - FILL line-mode command   14-Sep-1984 12:23:34   DISK$VMSMASTER:[EDT.SRC]LFILL.BLI;1   (3)

```
 87    0657  1  %SBTTL 'EDT$$FILL_CMD  - FILL line-mode command'
 88    0658  1
 89    0659  1  GLOBAL ROUTINE EDT$$FILL_CMD                            ! FILL line-mode command
 90    0660  1     : NOVALUE =
 91    0661  1
 92    0662  1  !++
 93    0663  1  ! FUNCTIONAL DESCRIPTION:
 94    0664  1  !
 95    0665  1  !     Command processing for the FILL command.  If the range is null,
 96    0666  1  !     then assume SELECT.   Make sure the range is contiguous.  Count
 97    0667  1  !     the number of lines, then call the FILL routine.
 98    0668  1  !
 99    0669  1  ! FORMAL PARAMETERS:
100    0670  1  !
101    0671  1  !     NONE
102    0672  1  !
103    0673  1  ! IMPLICIT INPUTS:
104    0674  1  !
105    0675  1  !     EDT$$A_EXE_CURCMD
106    0676  1  !     EDT$$A_WK_LN
107    0677  1  !
108    0678  1  ! IMPLICIT OUTPUTS:
109    0679  1  !
110    0680  1  !     NONE
111    0681  1  !
112    0682  1  ! ROUTINE VALUE:
113    0683  1  !
114    0684  1  !     NONE
115    0685  1  !
116    0686  1  ! SIDE EFFECTS:
117    0687  1  !
118    0688  1  !     NONE
119    0689  1  !
120    0690  1  !--
121    0691  1
122    0692  2     BEGIN
123    0693  2
124    0694  2     EXTERNAL ROUTINE
125    0695  2         EDT$$RNG_REPOS,
126    0696  2         EDT$$FILL_TXT,
127    0697  2         EDT$$TST_NONCNTGRNG,
128    0698  2         EDT$$NXT_LNRNG,
129    0699  2         EDT$$RD_CURLN;
130    0700  2
131    0701  2     EXTERNAL
132    0702  2         EDT$$G_RNG_FRSTLN,
133    0703  2         EDT$$A_CUR_BUF : REF TBCB_BLOCK,
134    0704  2         EDT$$Z_RNG_SAVPOS : POS_BLOCK,
135    0705  2         EDT$$Z_RNG_ORIGPOS : POS_BLOCK,
136    0706  2         EDT$$A_WK_LN : REF LIN_BLOCK,
137    0707  2         EDT$$Z_EOB_LN,
138    0708  2         EDT$$A_EXE_CURCMD : REF NODE_BLOCK;        ! Pointer to the current command.
139    0709  2
140    0710  2     LOCAL
141    0711  2         RANGE : REF NODE_BLOCK,
142    0712  2         NLINES;
143    0713  2
```

```
;   144        0714  2        RANGE = .EDT$$A_EXE_CURCMD [RANGE1];
;   145        0715  2
;   146        0716  2        IF (.RANGE [RAN_TYPE] EQL RAN_NULL) THEN RANGE [RAN_TYPE] = RAN_SELECT;
;   147        0717
;   148        0718  2        IF EDT$$TST_NONCNTGRNG (.EDT$$A_EXE_CURCMD [RANGE1]) THEN RETURN;
;   149        0719  2
;   150        0720  2        EDT$$G_RNG_FRSTLN = 1;
;   151        0721  2        EDT$$CPY_MEM( POS_SIZE, .EDT$$A_CUR_BUF, EDT$$Z_RNG_ORIGPOS);
;   152        0722  2        IF EDT$$RNG_REPOS (.EDT$$A_EXE_CURCMD [RANGE1])
;   153        0723  2        THEN
;   154        0724  3            BEGIN
;   155        0725  3            NLINES = 0;
;   156        0726  3
;   157        0727  3            WHILE (EDT$$NXT_LNRNG (0) AND (.EDT$$A_WK_LN NEQA EDT$$Z_EOB_LN)) DO
;   158        0728  3                NLINES = .NLINES + 1;
;   159        0729  3
;   160        0730  3            EDT$$CPY_MEM(POS_SIZE, EDT$$Z_RNG_SAVPOS, .EDT$$A_CUR_BUF);
;   161        0731  3            EDT$$RD_CURLN();
;   162        0732  3            EDT$$FILL_TXT (.NLINES);
;   163        0733  2            END;
;   164        0734  2
;   165        0735  1        END;                                        ! of routine EDT$$FILL_CMD


                                          .TITLE  EDT$LFILL EDT$LFILL - FILL line-mode command
                                          .IDENT  \V04-000\

                                          .EXTRN  EDT$$RNG_REPOS, EDT$$FILL_TXT
                                          .EXTRN  EDT$$TST_NONCNTGRNG
                                          .EXTRN  EDT$$NXT_LNRNG, EDT$$RD_CURLN
                                          .EXTRN  EDT$$G_RNG_FRSTLN
                                          .EXTRN  EDT$$A_CUR_BUF, EDT$$Z_RNG_SAVPOS
                                          .EXTRN  EDT$$Z_RNG_ORIGPOS
                                          .EXTRN  EDT$$A_WK_LN, EDT$$Z_EOB_LN
                                          .EXTRN  EDT$$A_EXE_CURCMD

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

                          01FC 00000      .ENTRY  EDT$$FILL_CMD, Save R2,R3,R4,R5,R6,R7,R8   ; 0659
         58 00000000G  00  9E 00002       MOVAB   EDT$$A_EXE_CURCMD, R8
         57 00000000G  00  9E 00009       MOVAB   EDT$$A_CUR_BUF, R7
                   51  68  DD 00010       MOVL    EDT$$A_EXE_CURCMD, R1                       ; 0714
               50  04  A1  DD 00013       MOVL    4(R1), RANGE
                   01  A0  95 00017       TSTB    1(RANGE)                                   ; 0716
                   04  12 0001A           BNEQ    1$
           01  A0  0C  90 0001C           MOVB    #12, 1(RANGE)
               04  A1  DD 00020 1$:       PUSHL   4(R1)                                      ; 0718
   00000000G  00  01  FB 00023           CALLS   #1, EDT$$TST_NONCNTGRNG
               5F  50  E8 0002A           BLBS    R0, 4$
   00000000G  00  01  DO 0002D           MOVL    #1, EDT$$G_RNG_FRSTLN                       ; 0720
               50  67  DO 00034           MOVL    EDT$$A_CUR_BUF, R0                         ; 0721
       00000000G  00  0E  28 00037        MOVC3   #14, (R0), EDT$$Z_RNG_ORIGPOS             ; 0722
               50  68  DO 0003F           MOVL    EDT$$A_EXE_CURCMD, R0
           04  A0  DD 00042              PUSHL   4(R0)
   00000000G  00  01  FB 00045           CALLS   #1, EDT$$RNG_REPOS
               3D  50  E9 0004C           BLBC    R0, 4$
               56  D4 0004F              CLRL    NLINES                                      ; 0725
```

```
                                          I 16
EDT$LFILL        EDT$LFILL - FILL line-mode command          16-Sep-1984 00:49:50    VAX-11 Bliss-32 V4.0-742          Page   5
V04-000          EDT$$FILL_CMD  - FILL line-mode command      14-Sep-1984 12:23:34    DISK$VMSMASTER:[EDT.SRC]LFILL.BLI;1        (3)
```

```
                                              7E  D4 00051 2$:      CLRL     -(SP)                                           : 0727
                        00000000G  00         01  FB 00053          CALLS    #1, EDT$$NXT_LNRNG                              :
                                        14    50  E9 0005A          BLBC     R0, 3$                                         :
                        50 00000000G  00         9E 0005D          MOVAB    EDT$$Z_EOB_LN, R0                              :
                        50 00000000G  00         D1 00064          CMPL     EDT$$A_WK_LN, R0                               :
                                        04  13 0006B               BEQL     3$                                            :
                                        56  D6 0006D               INCL     NLINES                                         : 0728
                                        E0  11 0006F               BRB      2$                                            :
                                        50        67  D0 00071 3$:  MOVL     EDT$$A_CUR_BUF, R0                             : 0730
                    60 00000000G  00         0E  28 00074          MOVC3    #14, EDT$$Z_RNG_SAVPOS, (R0)                   :
                        00000000G  00         00  FB 0007C          CALLS    #0, EDT$$RD_CURLN                              : 0731
                                        56  DD 00083               PUSHL    NLINES                                         : 0732
                        00000000G  00         01  FB 00085          CALLS    #1, EDT$$FILL_TXT                              :
                                        04 0008C 4$:               RET                                                     : 0735
```

; Routine Size: 141 bytes,   Routine Base: _EDT$CODE + 0000

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

EDTSLFILL   EDT$LFILL - FILL line-mode command   J 16   VAX-11 Bliss-32 V4.0-742   Page   6
VO4-000   EDT$$FILL_CMD - FILL line-mode command   16-Sep-1984 00:49:50   DISK$VMSMASTER:[EDT.SRC]LFILL.BLI;1   (4)
                                                              14-Sep-1984 12:23:34

```
; 169    0738  1 END                                     ! of module EDTSLFILL
; 170    0739  1
; 171    0740  0 ELUDOM
```

                                          PSECT SUMMARY

```
;         Name                    Bytes                    Attributes

;    _EDT$CODE                    141   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      92       24        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$:LFILL/OBJ=OBJ$:LFILL MSRC$:LFILL.BLI/UPDATE=(ENH$:LFILL)

; Size:          141 code + 0 data bytes
; Run Time:        00:11.9
; Elapsed Time:    00:15.0
; Lines/CPU Min:    3718
; Lexemes/CPU-Min: 11693
; Memory Used:  92 pages
; Compilation Complete
```

KEYPADDEF
LIS

LDIVISION
LIS

KEYDEFKEY
LIS

KEYFMTSTR
LIS

LDEFK
LIS

LFILL
LIS

KEYCHR
LIS

KEYIMMINP
LIS

LDELETE
LIS

KEYCOM
LIS

KEYPUTCHR
LIS

LCLEAR
LIS

LFCOUNT
LIS

KEYPAD
LIS

LDEFM
LIS

LFLNO
LIS

KEYTRNCHR
LIS