```
EEEEEEEEEEEEEEEE    DDDDDDDDDDD        TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD        TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD        TTTTTTTTTTTTTTTT
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
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD                TTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD                TTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD                TTT
```

FILEID**CHMDELLIN

CHMDELLIN

LIS

```
    1   0001   0 %TITLE 'EDT$CHMDELLIN - delete lines'
    2   0002   0 MODULE EDT$CHMDELLIN (                              ! Delete lines
    3   0003   0                 IDENT = 'V04-000'                   ! File: CHMDELLIN.BLI Edit: JBS1009
    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.                 *
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   21   0021   1 !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
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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 !     This module deletes lines of text (change mode).
   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: Unknown
   41   0041   1 !
   42   0042   1 ! MODIFIED BY:
   43   0043   1 !
   44   0044   1 ! 1-001 - Original.  DJS 04-Feb-1981.  This routine was created by
   45   0045   1 !         extracting the routine DELETE_LINES from module CHANGE.BLI.
   46   0046   1 ! 1-002 - Regularize headers.  JBS 25-Feb-1981
   47   0047   1 ! 1-003 - Fix module name.  JBS 03-Mar-1981
   48   0048   1 ! 1-004 - Use the ASSERT macro.  JBS 01-Jun-1981
   49   0049   1 ! 1-005 - EDT$$SEL_RNGPOS has 3 values.  JBS 02-Jun-1981
   50   0050   1 ! 1-006 - Put in a check for control C so the 'working' message will flash
   51   0051   1 !         during a long CUT command.  JBS 13-Jan-1982
   52   0052   1 ! 1-007 - New screen update logic.  JBS 13-Sep-1982
   53   0053   1 ! 1-008 - Remove the unused reference to EDT$$MRK_LNCHG.  JBS 27-Dec-1982
   54   0054   1 ! 1-009 - Add a parameter to EDT$$COMB_LN.  JBS 28-Dec-1982
   55   0055   1 !--
   56   0056   1
```

```
 58    0057   1   %SBTTL 'Declarations'
 59    0058   1   !
 60    0059   1   !  TABLE OF CONTENTS:
 61    0060   1   !
 62    0061   1
 63    0062   1   REQUIRE 'EDTSRC:TRAROUNAM';
 64    0501   1
 65    0502   1   FORWARD ROUTINE
 66    0503   1       EDT$$DEL_TXTLN : NOVALUE;                        ! Delete whole lines of text
 67    0504   1
 68    0505   1   !
 69    0506   1   !  INCLUDE FILES:
 70    0507   1   !
 71    0508   1
 72    0509   1   REQUIRE 'EDTSRC:EDTREQ';
 73    0644   1
 74    0645   1   !
 75    0646   1   !  MACROS:
 76    0647   1   !
 77    0648   1   !        NONE
 78    0649   1   !
 79    0650   1   !  EQUATED SYMBOLS:
 80    0651   1   !
 81    0652   1   !        NONE
 82    0653   1   !
 83    0654   1   !  OWN STORAGE:
 84    0655   1   !
 85    0656   1   !        NONE
 86    0657   1   !
 87    0658   1   !  EXTERNAL REFERENCES:
 88    0659   1   !
 89    0660   1   !        In the routine
```

```
  91   0661  1  %SBTTL 'EDT$$DEL_TXTLN  - delete lines'
  92   0662  1
  93   0663  1  GLOBAL ROUTINE EDT$$DEL_TXTLN (                           ! Delete lines
  94   0664  1      NUM_LINES,                                           ! Number of lines to delete
  95   0665  1      END_POS                                              ! Place to stop
  96   0666  1      ) : NOVALUE =
  97   0667  1
  98   0668  1  !++
  99   0669  1  ! FUNCTIONAL DESCRIPTION:
 100   0670  1  !
 101   0671  1  !       This routine deletes text on NUM_LINES lines starting on the
 102   0672  1  !       current line at EDT$$A_LN_PTR  and going to the END_POS
 103   0673  1  !       on the last line.
 104   0674  1  !
 105   0675  1  ! FORMAL PARAMETERS:
 106   0676  1  !
 107   0677  1  !  NUM_LINES              Number of lines to delete
 108   0678  1  !
 109   0679  1  !  END_POS                Place to stop on last line
 110   0680  1  !
 111   0681  1  ! IMPLICIT INPUTS:
 112   0682  1  !
 113   0683  1  !       EDT$$A_LN_PTR
 114   0684  1  !       EDT$$L_SEC_LN
 115   0685  1  !       EDT$$T_LN_BUF
 116   0686  1  !       EDT$$A_LN_END
 117   0687  1  !       EDT$$G_LN_LEN
 118   0688  1  !       EDT$$L_LN00
 119   0689  1  !
 120   0690  1  ! IMPLICIT OUTPUTS:
 121   0691  1  !
 122   0692  1  !       NONE
 123   0693  1  !
 124   0694  1  ! ROUTINE VALUE:
 125   0695  1  !
 126   0696  1  !       NONE
 127   0697  1  !
 128   0698  1  ! SIDE EFFECTS:
 129   0699  1  !
 130   0700  1  !       NONE
 131   0701  1  !
 132   0702  1  !--
 133   0703  1
 134   0704  2      BEGIN
 135   0705  2
 136   0706  2      EXTERNAL ROUTINE
 137   0707  2          EDT$$DEL_CHS : NOVALUE,                          ! Delete part of the current line
 138   0708  2          EDT$$COMB_LN : NOVALUE,                          ! Combine the current line with the one immediately above it
 139   0709  2          EDT$$CS_DWN,                                     ! Move down a line
 140   0710  2          EDT$$GET_TXTLN,                                  ! Get current line in line buffer
 141   0711  2          EDT$$SAV_LN : NOVALUE,                           ! Save a line in the auxiliary buffer
 142   0712  2          EDT$$SC_DELLN,                                   ! Delete lines from screen
 143   0713  2          EDT$$DEL_CURLN,                                  ! Delete a line from buffer
 144   0714  2          EDT$$CHK_CC;                                     ! Check for a control C
 145   0715  2
 146   0716  2      EXTERNAL
 147   0717  2          EDT$$T_LN_BUF,                                   ! Current line buffer
```

EDT$CHMDELLIN   EDT$CHMDELLIN - delete lines   K 15   VAX-11 Bliss-32 V4.0-742   Page   4
V04-000   EDT$$DEL_TXTLN - delete lines   15-Sep-1984 23:49:36   (3)
                                                                    14-Sep-1984 12:22:25   [EDT.SRC]CHMDELLIN.BLI;1

```
:  148          0718  2              EDT$$A_LN_END,                           ! End of current line pointer
:  149          0719  2              EDT$$G_LN_LEN,                           ! Length of current line
:  150          0720  2              EDT$$A_LN_PTR;                           ! Current character pointer
:  151          0721
:  152          0722  2          LOCAL
:  153          0723  2              LC;
:  154          0724
:  155          0725  2      !+
:  156          0726  2      ! Handle the first line.
:  157          0727  2      !-
:  158          0728  2          LC = .EDT$$A_LN_END;
:  159          0729  2
:  160          0730  2          IF (.NUM_LINES EQL 1) THEN LC = .END_POS;
:  161          0731  2
:  162          0732  2          EDT$$DEL_CHS (.EDT$$A_LN_PTR, .LC);
:  163          0733  2      !+
:  164          0734  2      ! Now, if there are more, loop though the middle ones.
:  165          0735  2      !-
:  166          0736
:  167          0737  3          IF (.NUM_LINES GTR 1)
:  168          0738  2          THEN
:  169          0739  3              BEGIN
:  170          0740  3              EDT$$CS_DWN ();
:  171          0741  3
:  172          0742  3              INCR I FROM 3 TO .NUM_LINES DO
:  173          0743  4                  BEGIN
:  174          0744  4      !+
:  175          0745  4      ! We check for a control C here, not because we wish to terminate
:  176          0746  4      ! the process if a control C is typed but only to make sure the
:  177          0747  4      ! 'working' message flashes during a long CUT command.
:  178          0748  4      !-
:  179          0749  4                  EDT$$CHK_CC ();
:  180          0750  4      !+
:  181          0751  4      ! Delete the entire line.
:  182          0752  4      !-
:  183          0753  4                  EDT$$SAV_LN (EDT$$T_LN_BUF, .EDT$$G_LN_LEN);
:  184          0754  4                  EDT$$DEL_CURLN ();
:  185          0755  4                  EDT$$GET_TXTLN ();
:  186          0756  3                  END;
:  187          0757  3
:  188          0758  3      !+
:  189          0759  3      ! Handle the last line.
:  190          0760  3      !-
:  191          0761  3              EDT$$DEL_CHS (.EDT$$A_LN_PTR, .END_POS);
:  192          0762  3      !+
:  193          0763  3      ! And combine the various fragments.
:  194          0764  3      !-
:  195          0765  3              EDT$$COMB_LN (1);
:  196          0766  2              END;
:  197          0767  2
:  198          0768  1          END;                                        ! of routine EDT$$DEL_TXTLN


                                                           .TITLE   EDT$CHMDELLIN EDT$CHMDELLIN - delete lines
                                                           .IDENT   \V04-000\

                                                           .EXTRN   EDT$$DEL_CHS, EDT$$COMB_LN
```

```
                                                      .EXTRN   EDT$$CS_DWN, EDT$$GET_TXTLN
                                                      .EXTRN   EDT$$SAV_LN, EDT$$SC_DELLN
                                                      .EXTRN   EDT$$DEL-CURLN, EDT$$CHK_CC
                                                      .EXTRN   EDT$$T_LN_BUF, EDT$$A_LN_END
                                                      .EXTRN   EDT$$G_LN_LEN, EDT$$A_LN_PTR

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

                                  001C 00000          .ENTRY   EDT$$DEL_TXTLN, Save R2,R3,R4       ; 0663
                   54 00000000G 00 9E 00002           MOVAB    EDT$$DEL-CHS, R4
                   53 00000000G 00 9E 00009           MOVAB    EDT$$A_LN_PTR, R3
                   50 00000000G 00 D0 00010           MOVL     EDT$$A_LN_END, LC                   ; 0728
                            01     04 AC D1 00017      CMPL     NUM_LINES, #1                      ; 0730
                               04     12 0001B         BNEQ     1$
                            50     08 AC D0 0001D      MOVL     END_POS, LC
                                  50 DD 00021 1$:      PUSHL    LC                                 ; 0732
                                  63 DD 00023          PUSHL    EDT$$A_LN_PTR
                            64     02 FB 00025         CALLS    #2, EDT$$DEL_CHS
                            01     04 AC D1 00028      CMPL     NUM_LINES, #1                      ; 0737
                               4A     15 0002C         BLEQ     4$
          00000000G 00        00 FB 0002E             CALLS    #0, EDT$$CS_DWN                     ; 0740
                            52     02 D0 00035         MOVL     #2, I                              ; 0742
                               28     11 00038         BRB      3$
          00000000G 00        00 FB 0003A 2$:         CALLS    #0, EDT$$CHK_CC                     ; 0749
          00000000G 00 00000000G DD 00041             PUSHL    EDT$$G_LN_LEN                       ; 0753
             00000000G 00        9F 00047             PUSHAB   EDT$$T_LN_BUF
          00000000G 00        02 FB 0004D             CALLS    #2, EDT$$SAV_LN
          00000000G 00        00 FB 00054             CALLS    #0, EDT$$DEL_CURLN                  ; 0754
          00000000G 00        00 FB 0005B             CALLS    #0, EDT$$GET_TXTLN                  ; 0755
       D3               52     04 AC F3 00062 3$:     AOBLEQ   NUM_LINES, I, 2$                    ; 0742
                            08 AC DD 00067             PUSHL    END_POS                            ; 0761
                                  63 DD 0006A          PUSHL    EDT$$A_LN_PTR
                            64     02 FB 0006C         CALLS    #2, EDT$$DEL_CHS
                                  01 DD 0006F          PUSHL    #1                                 ; 0765
          00000000G 00        01 FB 00071             CALLS    #1, EDT$$COMB_LN
                               04 00078 4$:           RET                                          ; 0768

; Routine Size: 121 bytes,    Routine Base: _EDT$CODE + 0000


;   199         0769 1
;   200         0770 1 !<BLF/PAGE>
```

EDT$CHMDELLIN   EDT$CHMDELLIN - delete lines   M 15
V04-000   EDT$$DEL_TXTLN - delete lines   15-Sep-1984 23:49:36   VAX-11 Bliss-32 V4.0-742   Page 6
                                                        14-Sep-1984 12:22:25   [EDT.SRC]CHMDELLIN.BLI;1   (4)

```
;  202          0771 1 END
;  203          0772 1                                  ! of module EDT$CHMDELCHR
;  204          0773 0 ELUDOM
```

```
;
;
;                         PSECT SUMMARY
;
;
;        Name                        Bytes                        Attributes
;
;      _EDT$CODE                       121   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      0        0          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$:CHMDELLIN/OBJ=OBJ$:CHMDELLIN MSRC$:CHMDELLIN.BLI/UPDATE=(ENH$:C
;      HMDELLIN)
;
; Size:          121 code + 0 data bytes
; Run Time:          00:11.2
; Elapsed Time:      00:14.1
; Lines/CPU Min:     4137
; Lexemes/CPU-Min: 10763
; Memory Used:  69 pages
; Compilation Complete
```

ERRMSG
REQ

TRACEOFF
REQ

SUPPORTS
REQ

TRAROUNAM
REQ

BADKEY
LIS

CHMCMBLIN
LIS

TRACEON
REQ

TRANSLATE
REQ

CALLWIO
LIS

CHMBEGSEN
LIS

CHMBELL
LIS

SYSSYM
REQ

TRANNAMES
REQ

CHMCHGC
LIS

CHMDELLIN
LIS

TRACELIT
REQ

EDTREQ
REQ

KEYPADDEF
REQ

CALLFIO
LIS

CHMBEGWRD
LIS

CHMCLRCC
LIS

CHMBEEP
LIS

CHMCHANGE
LIS

TRACEMAC
REQ

CHMDELCHR
LIS

PSECTS
REQ

VERSION
REQ

CHMCHKCC
LIS

CHMINPUT
LIS