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

```
TTTTTTTTTT   IIIIII   DDDDDDD   EEEEEEEEEE LL         EEEEEEEEEE TTTTTTTTTT EEEEEEEEEE
TTTTTTTTTT   IIIIII   DDDDDDD   EEEEEEEEEE LL         EEEEEEEEEE TTTTTTTTTT EEEEEEEEEE
    TT         II     DD    DD  EE         LL         EE             TT      EE
    TT         II     DD    DD  EE         LL         EE             TT      EE
    TT         II     DD    DD  EE         LL         EE             TT      EE
    TT         II     DD    DD  EEEEEEE    LL         EEEEEEE        TT      EEEEEEE
    TT         II     DD    DD  EEEEEEE    LL         EEEEEEE        TT      EEEEEEE
    TT         II     DD    DD  EE         LL         EE             TT      EE
    TT         II     DD    DD  EE         LL         EE             TT      EE
    TT         II     DD    DD  EE         LL         EE             TT      EE        ....
    TT       IIIIII   DDDDDDD   EEEEEEEEEE LLLLLLLLLL EEEEEEEEEE     TT      EEEEEEEEEE ....
    TT       IIIIII   DDDDDDD   EEEEEEEEEE LLLLLLLLLL EEEEEEEEEE     TT      EEEEEEEEEE ....

LL           IIIIII   SSSSSSSS
LL           IIIIII   SSSSSSSS
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$TIDELETE - handle DEL key'
   2    0002   0 MODULE EDT$TIDELETE (                          ! Handle DEL key
   3    0003   0               IDENT = 'V04-000'                ! File: TIDELETE.BLI Edit: JBS1005
   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                        *
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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 !       Handle the DEL key.
  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: June 9, 1979
  41    0041   1 !
  42    0042   1 ! MODIFIED BY:
  43    0043   1 !
  44    0044   1 ! 1-001 - Original.  DJS 18-FEB-1981.  This module was created by
  45    0045   1 !         extracting routine EDT$$TI_DELK  from module TINPUT.
  46    0046   1 ! 1-002 - Regularize headers.  JBS 11-Mar-1981
  47    0047   1 ! 1-003 - Correct handling of deleting of control characters.  JBS 27-May-1982
  48    0048   1 ! 1-004 - Watch out for insert mode.  JBS 01-Apr-1983
  49    0049   1 ! 1-005 - Correct a minor typo.  JBS 22-Apr-1983
  50    0050   1 !--
  51    0051   1
```

```
 53    0052  1  %SBTTL 'Declarations'
 54    0053  1  !
 55    0054  1  ! TABLE OF CONTENTS:
 56    0055  1  !
 57    0056  1
 58    0057  1  REQUIRE 'EDTSRC:TRAROUNAM';
 59    0496  1
 60    0497  1  FORWARD ROUTINE
 61    0498  1      EDT$$TI_DELK : NOVALUE;
 62    0499  1
 63    0500  1  !
 64    0501  1  ! INCLUDE FILES:
 65    0502  1  !
 66    0503  1
 67    0504  1  REQUIRE 'EDTSRC:EDTREQ';
 68    0639  1
 69    0640  1  !
 70    0641  1  ! MACROS:
 71    0642  1  !
 72    0643  1  !       NONE
 73    0644  1  !
 74    0645  1  ! EQUATED SYMBOLS:
 75    0646  1  !
 76    0647  1
 77    0648  1  BIND
 78    0649  1      DEL_ONE_CHAR_52 = UPLIT (BYTE (ASC_K_BS, ASC_K_ESC, %C'K'));
 79    0650  1
 80    0651  1  LITERAL
 81    0652  1      DEL_ONE_CHAR_52_LEN = 3;
 82    0653  1
 83    0654  1  BIND
 84    0655  1      DEL_ONE_CHAR_100 = UPLIT (BYTE (ASC_K_BS, ASC_K_ESC, %C'[', %C'K'));
 85    0656  1
 86    0657  1  LITERAL
 87    0658  1      DEL_ONE_CHAR_100_LEN = 4;
 88    0659  1
 89    0660  1  !
 90    0661  1  ! OWN STORAGE:
 91    0662  1  !
 92    0663  1  !       NONE
 93    0664  1  !
 94    0665  1  ! EXTERNAL REFERENCES:
 95    0666  1  !
 96    0667  1  !       In the routine
```

```
   98     0668  1  %SBTTL 'EDT$$TI_DELK  - handle DEL key'
   99     0669  1
  100     0670  1  GLOBAL ROUTINE EDT$$TI_DELK (                          ! Handle DEL key
  101     0671  1      C                                                  ! Character being deleted
  102     0672  1      ) : NOVALUE =
  103     0673  1
  104     0674  1  !++
  105     0675  1  ! FUNCTIONAL DESCRIPTION:
  106     0676  1  !
  107     0677  1  !       Delete the last character on the echo line.  This is done by writing
  108     0678  1  !       out backspace space backspace.  If the character was a control chraracter,
  109     0679  1  !       we do it twice.
  110     0680  1  !
  111     0681  1  ! FORMAL PARAMETERS:
  112     0682  1  !
  113     0683  1  !    C                    The character which is being deleted.
  114     0684  1  !
  115     0685  1  ! IMPLICIT INPUTS:
  116     0686  1  !
  117     0687  1  !       EDT$$G_TIN_ECHOPOS
  118     0688  1  !       EDT$$G_TI_TYP
  119     0689  1  !
  120     0690  1  ! IMPLICIT OUTPUTS:
  121     0691  1  !
  122     0692  1  !       EDT$$G_TIN_ECHOPOS
  123     0693  1  !
  124     0694  1  ! ROUTINE VALUE:
  125     0695  1  !
  126     0696  1  !       NONE
  127     0697  1  !
  128     0698  1  ! SIDE EFFECTS:
  129     0699  1  !
  130     0700  1  !       NONE
  131     0701  1  !
  132     0702  1  !--
  133     0703  1
  134     0704  2      BEGIN
  135     0705  2
  136     0706  2      EXTERNAL ROUTINE
  137     0707  2          EDT$$OUT_FMTBUF,
  138     0708  2          EDT$$FMT_LIT;
  139     0709  2
  140     0710  2      EXTERNAL
  141     0711  2          EDT$$G_TIN_ECHOPOS,                            ! Position on the echo line
  142     0712  2          EDT$$G_TI_TYP;                                ! Terminal type
  143     0713  2
  144     0714  3      IF (.C LSS %C' ')
  145     0715  2      THEN
  146     0716  3          BEGIN
  147     0717  3          EDT$$G_TIN_ECHOPOS = .EDT$$G_TIN_ECHOPOS - 1;
  148     0718  3
  149     0719  3          CASE .EDT$$G_TI_TYP FROM TERM_VT52 TO TERM_VT100 OF
  150     0720  3              SET
  151     0721  3
  152     0722  3              [TERM_VT52] :
  153     0723  3                  EDT$$FMT_LIT (DEL_ONE_CHAR_52, DEL_ONE_CHAR_52_LEN);
  154     0724  3
```

EDTSTIDELETE   EDTSTIDELETE - handle DEL key   H 9   ED
                                                             16-Sep-1984 01:55:11   VAX-11 Bliss-32 V4.0-742   Page 4   V0
V04-000   EDTSSTI_DELK - handle DEL key   14-Sep-1984 12:24:50   DISK$VMSMASTER:[EDT.SRC]TIDELETE.BLI;1   (3)

```
  155    0725   3                        [TERM_VT100] :
  156    0726   3                            EDTS$FMT_LIT (DEL_ONE_CHAR_100, DEL_ONE_CHAR_100_LEN);
  157    0727   3
  158    0728   3                        [INRANGE, OUTRANGE] :
  159    0729   4                            BEGIN
  160    0730   4                            0
  161    0731   3                            END;
  162    0732   3                        TES;
  163    0733   3
  164    0734   2                    END;
  165    0735   2
  166    0736   2            EDTS$G_TIN_ECHOPOS = .EDTS$G_TIN_ECHOPOS - 1;
  167    0737   2
  168    0738   2            CASE .EDTS$G_TI_TYP FROM TERM_VT52 TO TERM_VT100 OF
  169    0739   2                SET
  170    0740   2
  171    0741   2                [TERM_VT52] :
  172    0742   2                    EDTS$FMT_LIT (DEL_ONE_CHAR_52, DEL_ONE_CHAR_52_LEN);
  173    0743   2
  174    0744   2                [TERM_VT100] :
  175    0745   2                    EDTS$FMT_LIT (DEL_ONE_CHAR_100, DEL_ONE_CHAR_100_LEN);
  176    0746   2
  177    0747   2                [INRANGE, OUTRANGE] :
  178    0748   3                    BEGIN
  179    0749   3                    0
  180    0750   2                    END;
  181    0751   2                TES;
  182    0752   2
  183    0753   2            EDTS$OUT_FMTBUF ();
  184    0754   1            END;                                             ! of routine EDTS$TI_DELK


                                                     .TITLE   EDTSTIDELETE EDTSTIDELETE - handle DEL key
                                                     .IDENT   \V04-000\

                                                     .PSECT   _EDTSCODE,NOWRT,  SHR,  PIC,2

                       4B   1B  08   00000 P.AAA:    .BYTE    8, 27, 75                                         ;
                                    00003           .BLKB    1
                  4B   5B   1B  08   00004 P.AAB:    .BYTE    8, 27, 91, 75                                     ;

                                            DEL_ONE_CHAR_52=      P.AAA
                                            DEL_ONE_CHAR_100=     P.AAB
                                                     .EXTRN    EDTS$OUT_FMTBUF
                                                     .EXTRN    EDTS$FMT_LIT, EDTS$G_TIN_ECHOPOS
                                                     .EXTRN    EDTS$G_TI_TYP

                                    003C  00000      .ENTRY    EDTS$TI_DELK, Save R2,R3,R4,R5                   ; 0670
            55 00000000G  00   9E   00002            MOVAB     EDTS$G_TIN_ECHOPOS, R5
            54 00000000G  00   9E   00009            MOVAB     EDTS$FMT_LIT, R4
            53          E5  AF   9E   00010           MOVAB     DEL_ONE_CHAR_52, R3
            52 00000000G  00   9E   00014            MOVAB     EDTS$G_TI_TYP, R2
                        20    04  AC   D1   0001B     CMPL      C, #32                                          ; 0714
                             1A   18   0001F          BGEQ      5$
                             65   D7   00021          DECL      EDTS$G_TIN_ECHOPOS                              ; 0717
         01              01   62   CF   00023         CASEL     EDTS$G_TI_TYP, #1, #1                           ; 0719
           000C             0006       00027 1$:      .WORD     2$-1$,=
```

EDT$TIDELETE   EDT$TIDELETE - handle DEL key   16-Sep-1984 01:55:11   VAX-11 Bliss-32 V4.0-742   Page 5
V04-000   EDT$$TI_DELK - handle DEL key   14-Sep-1984 12:24:50   DISK$VMSMASTER:[EDT.SRC]TIDELETE.BLI;1   (3)

I 9

```
                                                                              3$-1$
                                            0E   11 0002B          BRB      5$                                                              :  0729
                                            03   DD 0002D 2$:      PUSHL    #3                                                              :  0723
                                            53   DD 0002F          PUSHL    R3
                                            05   11 00031          BRB      4$
                                            04   DD 00033 3$:      PUSHL    #4                                                              :  0726
                                      04    A3   9F 00035          PUSHAB   DEL_ONE_CHAR_100
                                64          02   FB 00038 4$:      CALLS    #2, EDT$$FMT_LIT
                                            65   D7 0003B 5$:      DECL     EDT$$G_TIN_ECHOPOS                                              :  0736
                          01          01    62   CF 0003D          CASEL    EDT$$G_TI_TYP, #1, #1                                          :  0738
                          000C              0006    00041 6$:      .WORD    7$-6$,=
                                                                              8$-6$
                                            0E   11 00045          BRB      10$                                                            :  0748
                                            03   DD 00047 7$:      PUSHL    #3                                                             :  0742
                                            53   DD 00049          PUSHL    R3
                                            05   11 0004B          BRB      9$
                                            04   DD 0004D 8$:      PUSHL    #4                                                             :  0745
                                      04    A3   9F 0004F          PUSHAB   DEL_ONE_CHAR_100
                                64          02   FB 00052 9$:      CALLS    #2, EDT$$FMT_LIT
                  00000000G  00             00   FB 00055 10$:     CALLS    #0, EDT$$OUT_FMTBUF                                            :  0753
                                            04 0005C               RET                                                                    :  0754
```

; Routine Size: 93 bytes,   Routine Base: _EDT$CODE + 0008

: 185   0755 1
: 186   0756 1 !<BLF/PAGE>

EDT$TIDELETE   EDT$TIDELETE - handle DEL key   J 9
V04-000   EDT$$TI_DELK - handle DEL key   16-Sep-1984 01:55:11   VAX-11 Bliss-32 V4.0-742   Page 6
                                                           14-Sep-1984 12:24:50   DISK$VMSMASTER:[EDT.SRC]TIDELETE.BLI:1   (4)

```
; 188         0757 1 END                                    ! of module EDT$TIDELETE
; 189         0758 1
; 190         0759 0 ELUDOM
```

                              PSECT SUMMARY

```
;
;          Name                    Bytes                        Attributes
;
;    _EDT$CODE                       101   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       4         1         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$:TIDELETE/OBJ=OBJ$:TIDELETE MSRC$:TIDELETE.BLI/UPDATE=(ENH$:TIDE
;        LETE)
;
; Size:        93 code + 8 data bytes
; Run Time:        00:10.9
; Elapsed Time:    00:13.3
; Lines/CPU Min:    4174
; Lexemes/CPU-Min: 11466
; Memory Used:  66 pages
; Compilation Complete
```

SCRUPDATM
LIS

STARTEDT
LIS

TISAVE
LIS

SETCOMMAN
LIS

TIAUTO
LIS

TIDELETE
LIS

TILINE
LIS

TRACEMAC
LIS

UFBUFFER
LIS

SCRZAPSIN
LIS

UEXACASE
LIS

SCRUPDATN
LIS

TITYPAHD
LIS

TSTKEYDEF
LIS

TICLRAUD
LIS

SUPPORTS
LIS

TICHAR
LIS

TIECHO
LIS

TRAROUNAM
LIS

TRANSLATE
LIS

UFSTRING
LIS

SYSVAX
LIS

SCRWID
LIS

TRACELIT
LIS

UCVTCASE
LIS