```
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
```

```
MM      MM   CCCCCCCC  UU        UU   PPPPPPPP
MM      MM   CCCCCCCC  UU        UU   PPPPPPPP
MMMM  MMMM  CC         UU        UU   PP      PP
MMMM  MMMM  CC         UU        UU   PP      PP
MM  MM  MM  CC         UU        UU   PP      PP
MM  MM  MM  CC         UU        UU   PP      PP
MM      MM  CC         UU        UU   PPPPPPPP
MM      MM  CC         UU        UU   PPPPPPPP
MM      MM  CC         UU        UU   PP
MM      MM  CC         UU        UU   PP
MM      MM  CC         UU        UU   PP          ....
MM      MM  CC         UU        UU   PP          ....
MM      MM   CCCCCCCC  UUUUUUUUUU     PP          ....
MM      MM   CCCCCCCC  UUUUUUUUUU     PP          ....


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$MCUP - move cursor up'
    2    0002  0  MODULE EDT$MCUP (                                ! Move cursor up
    3    0003  0                  IDENT = 'V04-000'               ! File: MCUP.BLI Edit: JBS1003
    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  !*                                                              *
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   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  !     Move cursor up.
   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: September 9, 1979
   41    0041  1  !
   42    0042  1  ! MODIFIED BY:
   43    0043  1  !
   44    0044  1  ! 1-001 - Original.  DJS 19-FEB-1981.  This module was created by
   45    0045  1  !         extracting routine EDT$$CS_UP  from module MOVCUR.
   46    0046  1  ! 1-002 - Regularize headers.  JBS 11-Mar-1981
   47    0047  1  ! 1-003 - Remove EDT$$G_LN_NO for new screen update logic.  JBS 29-Sep-1982
   48    0048  1  !--
   49    0049  1
```

```
  51    0050  1 %SBTTL 'Declarations'
  52    0051  1 !
  53    0052  1 ! TABLE OF CONTENTS:
  54    0053  1 !
  55    0054  1
  56    0055  1 REQUIRE 'EDTSRC:TRAROUNAM';
  57    0494  1
  58    0495  1 FORWARD ROUTINE
  59    0496  1     EDT$$CS_UP;
  60    0497  1
  61    0498  1 !
  62    0499  1 ! INCLUDE FILES:
  63    0500  1 !
  64    0501  1
  65    0502  1 REQUIRE 'EDTSRC:EDTREQ';
  66    0637  1
  67    0638  1 !
  68    0639  1 ! MACROS:
  69    0640  1 !
  70    0641  1 !     NONE
  71    0642  1 !
  72    0643  1 ! EQUATED SYMBOLS:
  73    0644  1 !
  74    0645  1 !     NONE
  75    0646  1 !
  76    0647  1 ! OWN STORAGE:
  77    0648  1 !
  78    0649  1 !     NONE
  79    0650  1 !
  80    0651  1 ! EXTERNAL REFERENCES:
  81    0652  1 !
  82    0653  1 !     In the routine
```

EDT$MCUP   EDT$MCUP - move cursor up   D 11
V04-000   EDT$$CS_UP - move cursor up   16-Sep-1984 01:12:32   VAX-11 Bliss-32 V4.0-742   Page 3
                                                               14-Sep-1984 12:23:58   DISK$VMSMASTER:[EDT.SRC]MCUP.BLI;1   (3)

```
 84    0654  1  %SBTTL 'EDT$$CS_UP  - move cursor up'
 85    0655  1
 86    0656  1  GLOBAL ROUTINE EDT$$CS_UP                                    ! Move cursor up
 87    0657  1      =
 88    0658  1
 89    0659  1  !++
 90    0660  1  ! FUNCTIONAL DESCRIPTION:
 91    0661  1  !
 92    0662  1  !     This routine moves the cursor up to the first character of the preceding
 93    0663  1  !     line.  If the current line is the first line in the buffer, it fails.
 94    0664  1  !
 95    0665  1  ! FORMAL PARAMETERS:
 96    0666  1  !
 97    0667  1  !     NONE
 98    0668  1  !
 99    0669  1  ! IMPLICIT INPUTS:
100    0670  1  !
101    0671  1  !     NONE
102    0672  1  !
103    0673  1  ! IMPLICIT OUTPUTS:
104    0674  1  !
105    0675  1  !     NONE
106    0676  1  !
107    0677  1  ! ROUTINE VALUE:
108    0678  1  !
109    0679  1  !     1 = move successful
110    0680  1  !     0 = move unsuccessful because we are on the top line
111    0681  1  !
112    0682  1  ! SIDE EFFECTS:
113    0683  1  !
114    0684  1  !     NONE
115    0685  1  !
116    0686  1  !--
117    0687  1
118    0688  2      BEGIN
119    0689  2
120    0690  2      EXTERNAL ROUTINE
121    0691  2          EDT$$RPL_CHGDLN : NOVALUE,
122    0692  2          EDT$$GET_TXTLN : NOVALUE,
123    0693  2          EDT$$RD_PRVLN;
124    0694  2
125    0695  2  !+
126    0696  2  ! Replace the current line in the work file if it has changed.
127    0697  2  !-
128    0698  2      EDT$$RPL_CHGDLN ();
129    0699  2  !+
130    0700  2  ! Attempt to go back one line.
131    0701  2  !-
132    0702  2
133    0703  2      IF EDT$$RD_PRVLN ()
134    0704  2      THEN
135    0705  3          BEGIN
136    0706  3  !+
137    0707  3  ! It succeeded, get the new line and return success.
138    0708  3  !-
139    0709  3          EDT$$GET_TXTLN ();
140    0710  3          RETURN (T);
```

EDT$MCUP   EDT$MCUP - move cursor up   E 11   VAX-11 Bliss-32 V4.0-742   Page 4
V04-000   EDT$$CS_UP - move cursor up   16-Sep-1984 01:12:32   DISK$VMSMASTER:[EDT.SRC]MCUP.BLI;1   (3)
                                                                           14-Sep-1984 12:23:58

```
; 141      0711  3          END
; 142      0712  3       ELSE
; 143      0713  2    !+
; 144      0714  2    ! No line above, return failure.
; 145      0715  2    !-
; 146      0716  2          RETURN (0);
; 147      0717  2
; 148      0718  1       END;                                        ! of routine EDT$$CS_UP


                                                                        .TITLE    EDT$MCUP EDT$MCUP - move cursor up
                                                                        .IDENT    \V04-000\

                                                                        .EXTRN    EDT$$RPL_CHGDLN
                                                                        .EXTRN    EDT$$GET_TXTLN, EDT$$RD_PRVLN

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

                                          0000 00000                    .ENTRY    EDT$$CS_UP, Save nothing                ; 0656
                 00000000G  00         00  FB 00002                     CALLS     #0, EDT$$RPL_CHGDLN                     ; 0698
                 00000000G  00         00  FB 00009                     CALLS     #0, EDT$$RD_PRVLN                       ; 0703
                            0B         50  E9 00010                     BLBC      R0, 1$
                 00000000G  00         00  FB 00013                     CALLS     #0, EDT$$GET_TXTLN                      ; 0709
                            50         01  D0 0001A                     MOVL      #1, R0                                 ; 0716
                                       04 0001D                         RET
                                       50  D4 0001E 1$:                 CLRL      R0
                                       04 00020                         RET                                             ; 0718
```

; Routine Size: 33 bytes,   Routine Base: _EDT$CODE + 0000


```
; 149      0719  1
; 150      0720  1 !<BLF/PAGE>
```

EDT$MCUP   EDT$MCUP - move cursor up   F 11
V04-000   EDT$$CS_UP - move cursor up   16-Sep-1984 01:12:32 VAX-11 Bliss-32 V4.0-742   Page 5
                      14-Sep-1984 12:23:58 DISK$VMSMASTER:[EDT.SRC]MCUP.BLI;1 (4)

```
; 152      0721 1 END
; 153      0722 1
; 154      0723 0 ELUDOM
```

                ! of module EDT$MCUP


```
;                        PSECT SUMMARY

;       Name                    Bytes                   Attributes

;   _EDT$CODE                    33 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      00:00.3
; _$255$DUA28:[EDT.SRC]PSECTS.L32;1      2        1       50         7      00:00.1




;                     COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:MCUP/OBJ=OBJ$:MCUP MSRC$:MCUP.BLI/UPDATE=(ENH$:MCUP)

; Size:            33 code + 0 data bytes
; Run Time:           00:09.0
; Elapsed Time:       00:12.2
; Lines/CPU Min:      4825
; Lexemes/CPU-Min: 12607
; Memory Used:  52 pages
; Compilation Complete
```

LXCOMNOO
LIS

MCGETLIN
LIS

MCRIGHT
LIS

MCCHANGE
LIS

MACCAL
LIS

NOOPEN
LIS

PRAPPNUM
LIS

MSGTXT
LIS

PRGETTOK
LIS

PRISTOK
LIS

LXPRINT
LIS

MCTOP
LIS

MCDOWN
LIS

MCLEFT
LIS

MCBOTTOM
LIS

PAUDIT
LIS

PRGETCHR
LIS

LXCOM
LIS

MAIN
LIS

MCUP
LIS