```
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
EEEEEEEEEEEEE       DDD       DDD               TTT
EEEEEEEEEEEEE       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
```

(ASCII banner art spelling "SCRMCOL LIS")

EDT$SCRMCOL - match column
H 3
16-Sep-1984 01:36:20   VAX-11 Bliss-32 V4.0-742   Page   1
14-Sep-1984 12:24:31   DISK$VMSMASTER:[EDT.SRC]SCRMCOL.BLI;1   (1)

EDT1
V04-

```
    1    0001  0  %TITLE 'EDT$SCRMCOL - match column'
    2    0002  0  MODULE EDT$SCRMCOL (                          ! Match column
    3    0003  0                 IDENT = 'V04-000'             ! File: SCRMCOL.BLI Edit: SMB1004
    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 fixes up the column after a vertical move.
   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 8, 1979
   41    0041  1  !
   42    0042  1  ! MODIFIED BY:
   43    0043  1  !
   44    0044  1  ! 1-001 - Original.  DJS 12-Feb-1981.  This module was created by
   45    0045  1  !         extracting the routine EDT$$SC_MATCHCOL  from module SCREEN.
   46    0046  1  ! 1-002 - Regularize headers.  JBS 13-Mar-1981.
   47    0047  1  ! 1-003 - Don't use the screen data base, since the current line may not
   48    0048  1  !         be on the screen.  JBS 10-Sep-1982
   49    0049  1  ! 1-004 - Remove references to globals that aren't there.  SMB 22-Sep-1982
   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  :
     60        0497  1  FORWARD ROUTINE
     61        0498  1      EDT$$SC_MATCHCOL : 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        NONE
     77        0648  1  !
     78        0649  1  ! OWN STORAGE:
     79        0650  :  !
     80        0651  1        NONE
     81        0652  1  !
     82        0653  1  ! EXTERNAL REFERENCES:
     83        0654  1  !
     84        0655  1  !     In the routine
```

EDT$SCRMCOL   EDT$SCRMCOL - match column   J 3   EDT$
V04-000   EDT$$SC_MATCHCOL - match column   16-Sep-1984 01:36:20   VAX-11 Bliss-32 V4.0-742   Page 3   V04-
                                                         14-Sep-1984 12:24:31   DISK$VMSMASTER:[EDT.SRC]SCRMCOL.BLI;1   (3)

```
   86    0656  1  %SBTTL 'EDT$$SC_MATCHCOL  - match column'
   87    0657  1
   88    0658  1  GLOBAL ROUTINE EDT$$SC_MATCHCOL                        . Match column
   89    0659  1      : NOVALUE =
   90    0660  1
   91    0661  1  !++
   92    0662  1  ! FUNCTIONAL DESCRIPTION:
   93    0663  1  !
   94    0664  1  !       Match column.  This routine is called when a vertical arrow has been used to
   95    0665  1  !       move the cursor.  We have already moved to the new line, now we will try to
   96    0666  1  !       match the column we were previously in.  The column we are trying to hit is
   97    0667  1  !       EDT$$G_COL .  We start at the beginning of the line and keep moving
   98    0668  1  !       forward by a character until the next character would cause the column to exceed
   99    0669  1  !       EDT$$G_COL .
  100    0670  1  !
  101    0671  1  ! FORMAL PARAMETERS:
  102    0672  1  !
  103    0673  1  !       NONE
  104    0674  1  !
  105    0675  1  ! IMPLICIT INPUTS:
  106    0676  1  !
  107    0677  1  !       EDT$$G_COL
  108    0678  1  !       EDT$$T_LN_BUF
  109    0679  1  !       EDT$$A_LN_END
  110    0680  1  !
  111    0681  1  ! IMPLICIT OUTPUTS:
  112    0682  1  !
  113    0683  1  !       EDT$$G_CUR_COL
  114    0684  1  !       EDT$$A_LN_PTR
  115    0685  1  !       EDT$$G_CS_LNO
  116    0686  1  !
  117    0687  1  ! ROUTINE VALUE:
  118    0688  1  !
  119    0689  1  !       NONE
  120    0690  1  !
  121    0691  1  ! SIDE EFFECTS:
  122    0692  1  !
  123    0693  1  !       NONE
  124    0694  1  !
  125    0695  1  !--
  126    0696  1
  127    0697  2      BEGIN
  128    0698  2
  129    0699  2      EXTERNAL ROUTINE
  130    0700  2          EDT$$FMT_CHWID;                               ! Compute the width of a character
  131    0701  2
  132    0702  2      EXTERNAL
  133    0703  2          EDT$$G_COL,                                   ! The column we should be on.
  134    0704  2          EDT$$G_CUR_COL,                               ! current cursor column
  135    0705  2          EDT$$T_LN_BUF,                                ! Current line buffer.
  136    0706  2          EDT$$A_LN_PTR,                                ! Current character pointer.
  137    0707  2          EDT$$A_LN_END;                                ! End of current line pointer.
  138    0708  2
  139    0709  2      LOCAL
  140    0710  2          NEXT_COL;
  141    0711  2
  142    0712  2      EDT$$A_LN_PTR = CH$PTR (EDT$$T_LN_BUF);
```

```
;   143      0713  2          EDT$$G_CUR_COL = 0;
;   144      0714  2          NEXT_COL = 0;
;   145      0715  2
;   146      0716  2          WHILE CH$PTR_NEQ (.EDT$$A_LN_END, .EDT$$A_LN_PTR) DO
;   147      0717  3              BEGIN
;   148      0718  3              NEXT_COL = .NEXT_COL + EDT$$FMT_CHWID (CH$RCHAR (.EDT$$A_LN_PTR), .NEXT_COL);
;   149      0719
;   150      0720  3              IF (.NEXT_COL GTR .EDT$$G_COL) THEN EXITLOOP;
;   151      0721  3
;   152      0722  3              EDT$$A_LN_PTR = CH$PLUS (.EDT$$A_LN_PTR, 1);
;   153      0723  3              EDT$$G_CUR_COL = .NEXT_COL;
;   154      0724  2              END;
;   155      0725  2
;   156      0726  1          END;                                           ! of routine EDT$$SC_MATCHCOL


                                                                       .TITLE   EDT$SCRMCOL EDT$SCRMCOL - match column
                                                                       .IDENT   \V04-000\

                                                                       .EXTRN   EDT$$FMT_CHWID, EDT$$G_COL
                                                                       .EXTRN   EDT$$G_CUR_COL, EDT$$T_LN_BUF
                                                                       .EXTRN   EDT$$A_LN_PTR, EDT$$A_LN_END

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

                                          001C 00000          .ENTRY   EDT$$SC_MATCHCOL, Save R2,R3,R4       ; 0658
                        54 00000000G  00  9E 00002            MOVAB    EDT$$G_CUR_COL, R4
                        53 00000000G  00  9E 00009            MOVAB    EDT$$A_LN_PTR, R3
                        63 00000000G  00  9E 00010            MOVAB    EDT$$T_LN_BUF, EDT$$A_LN_PTR          ; 0712
                                      64  D4 00017            CLRL     EDT$$G_CUR_COL                        ; 0713
                                      52  D4 00019            CLRL     NEXT_COL                              ; 0714
                              50      63  D0 0001B 1$:        MOVL     EDT$$A_LN_PTR, R0                     ; 0716
                              50 00000000G  00  D1 0001E      CMPL     EDT$$A_LN_END, R0
                                      1F  13 00025            BEQL     2$
                                      52  DD 00027            PUSHL    NEXT_COL                              ; 0718
                              7E      60  9A 00029            MOVZBL   (R0), -(SP)
          00000000G  00      02  FB 0002C                     CALLS    #2, EDT$$FMT_CHWID
                              52      50  C0 00033            ADDL2    R0, NEXT_COL
          00000000G  00      52  D1 00036                     CMPL     NEXT_COL, EDT$$G_COL                  ; 0720
                                      07  14 0003D            BGTR     2$
                                      63  D6 0003F            INCL     EDT$$A_LN_PTR                         ; 0722
                              64      52  D0 00041            MOVL     NEXT_COL, EDT$$G_CUR_COL              ; 0723
                                      D5  11 00044            BRB      1$                                   ; 0716
                                      04 00046 2$:            RET                                           ; 0726

; Routine Size:  71 bytes,     Routine Base:  _EDT$CODE + 0000


;   157      0727  1
;   158      0728  1  !<BLF/PAGE>
```

EDT$SCRMCOL   EDT$SCRMCOL - match column   L 3
V04-000   EDT$$SC_MATCHCOL - match column   16-Sep-1984 01:36:20   VAX-11 Bliss-32 V4.0-742   Page 5
                                                           14-Sep-1984 12:24:31   DISK$VMSMASTER:[EDT.SRC]SCRMCOL.BLI;1   (4)   **FI

```
; 160    0729 1 END                                  ! of module EDT$SCRMCOL
; 161    0730 1
; 162    0731 0 ELUDOM
```

```
;                        PSECT SUMMARY

;       Name              Bytes                       Attributes

; _EDT$CODE                   71  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       1         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$:SCRMCOL/OBJ=OBJ$:SCRMCOL MSRC$:SCRMCOL.BLI/UPDATE=(ENH$:SCRMCOL
;      )

; Size:        71 code + 0 data bytes
; Run Time:        00:10.1
; Elapsed Time:    00:12.4
; Lines/CPU Min:    4351
; Lexemes/CPU-Min: 11863
; Memory Used:  62 pages
; Compilation Complete
```

SCRRESET
LIS

SCRRLIN
LIS

SCRRELPOS
LIS

SCRINSERT
LIS

SCRNOSCR
LIS

SCRNCOL
LIS

SCRMCOL
LIS

SCRUPDATE
LIS

SCRINIT
LIS

SCRNEWINS
LIS

SCRREGION
LIS

SCRREPMOD
LIS

SCRREV
LIS

SCRNEWDEL
LIS

SCRNOREV
LIS

SCRMOVETO
LIS

SCRINSMOD
LIS