```
EEEEEEEEEEEEEEE    DDDDDDDDDDD        TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE    DDDDDDDDDDD        TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEE    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
EEEEEEEEEEEEEEE    DDDDDDDDDDD            TTT
EEEEEEEEEEEEEEE    DDDDDDDDDDD            TTT
EEEEEEEEEEEEEEE    DDDDDDDDDDD            TTT
```

```
SSSSSSSS    CCCCCCC   RRRRRRRR   RRRRRRRR   EEEEEEEEEE  LL          PPPPPPPP     000000     SSSSSSSS
SSSSSSSS    CCCCCCC   RRRRRRRR   RRRRRRRR   EEEEEEEEEE  LL          PPPPPPPP     000000     SSSSSSSS
SS          CC        RR     RR  RR     RR  EE          LL          PP     PP  00     00   SS
SS          CC        RR     RR  RR     RR  EE          LL          PP     PP  00     00   SS
SS          CC        RR     RR  RR     RR  EE          LL          PP     PP  00     00   SS
SS          CC        RR     RR  RR     RR  EE          LL          PP     PP  00     00   SS
  SSSSSS    CC        RRRRRRRR   RRRRRRRR   EEEEEEE     LL          PPPPPPPP   00     00     SSSSSS
  SSSSSS    CC        RRRRRRRR   RRRRRRRR   EEEEEEE     LL          PPPPPPPP   00     00     SSSSSS
      SS    CC        RR  RR     RR  RR     EE          LL          PP        00     00         SS
      SS    CC        RR  RR     RR  RR     EE          LL          PP        00     00         SS
      SS    CC        RR   RR    RR   RR    EE          LL          PP        00     00         SS
      SS    CC        RR    RR   RR    RR   EE          LL          PP        00     00         SS
SSSSSSSS    CCCCCCC   RR     RR  RR     RR  EEEEEEEEEE  LLLLLLLLLL  PP          000000     SSSSSSSS
SSSSSSSS    CCCCCCC   RR     RR  RR     RR  EEEEEEEEEE  LLLLLLLLLL  PP          000000     SSSSSSSS


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
LLLLLLLLL   IIIIII        SSSSSSSS
LLLLLLLLL   IIIIII        SSSSSSSS
```

E 8

EDT$SCRRELPOS - compare current position to spe 16-Sep-1984 01:40:33   VAX-11 Bliss-32 V4.0-742   Page 1
                                                 14-Sep-1984 12:24:36   [EDT.SRC]SCRRELPOS.BLI;1   (1)

```
    1    0001   0  %TITLE 'EDT$SCRRELPOS - compare current position to specified position'
    2    0002   0  MODULE EDT$SCRRELPOS (                          ! Compare current position to specified position
    3    0003   0              IDENT = 'V04-000'                   ! File: SCRRELPOS.BLI Edit: JBS1004
    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 compares the current position to a specified position.
   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 REL_POS from module SCREEN.
   46    0046   1  ! 1-002 - Regularize headers.  JBS 13-Mar-1981
   47    0047   1  ! 1-003 - Modify to use new compare macro. STS 20-oct-1982
   48    0048   1  ! 1-004 - Improve the appearance of the listing.  JBS 17-Jun-1983
   49    0049   1  !--
   50    0050  .1
```

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EDT$SCRRELPOS   EDT$SCRRELPOS - compare current position to spe 16-Sep-1984 01:40:33   VAX-11 Bliss-32 V4.0-742   Page   2
V04-000   Declarations   14-Sep-1984 12:24:36   [EDT.SRC]SCRRELPOS.BLI;1   (2)

```
   52    0051  1  %SBTTL 'Declarations'
   53    0052  1  !
   54    0053  1  ! TABLE OF CONTENTS:
   55    0054  1  !
   56    0055  1  !
   57    0056  1  REQUIRE 'EDTSRC:TRAROUNAM';
   58    0495  1  !
   59    0496  1  FORWARD ROUTINE
   60    0497  1      EDT$$SC_CMPPOS;
   61    0498  1
   62    0499  1  !
   63    0500  1  ! INCLUDE FILES:
   64    0501  1  !
   65    0502  1  !
   66    0503  1  REQUIRE 'EDTSRC:EDTREQ';
   67    0638  1  !
   68    0639  1  !
   69    0640  1  ! MACROS:
   70    0641  1  !
   71    0642  1  !     NONE
   72    0643  1  !
   73    0644  1  ! EQUATED SYMBOLS:
   74    0645  1  !
   75    0646  1  !     NONE
   76    0647  1  !
   77    0648  1  ! OWN STORAGE:
   78    0649  1  !
   79    0650  1  !     NONE
   80    0651  1  !
   81    0652  1  ! EXTERNAL REFERENCES:
   82    0653  1  !
   83    0654  1  !     In the routine
```

G 8

EDT$SCRRELPOS   EDT$SCRRELPOS - compare current position to spe 16-Sep-1984 01:40:33   VAX-11 Bliss-32 V4.0-742   Page 3
V04-000   EDT$$SC_CMPPOS - compare current position to s 14-Sep-1984 12:24:36   [EDT.SRC]SCRRELPOS.BLI;1   (3)

```
  85    0655   1   %SBTTL 'EDT$$SC_CMPPOS  - compare current position to specified position'
  86    0656   1
  87    0657   1   GLOBAL ROUTINE EDT$$SC_CMPPOS (                          ! Compare current position to specified position
  88    0658   1       CP,                                                  ! Current column
  89    0659   1       TESTL,                                               ! Model line
  90    0660   1       TESTP                                                ! Model column
  91    0661   1       ) =
  92    0662   1
  93    0663   1   !++
  94    0664   1   ! FUNCTIONAL DESCRIPTION:
  95    0665   1   !
  96    0666   1   !       This routine compares the current position in the buffer to a
  97    0667   1   !       specified position and returns -1 or +1 depending on their relation.
  98    0668   1   !
  99    0669   1   ! FORMAL PARAMETERS:
 100    0670   1   !
 101    0671   1   !   CP                   The current position, assumed to be on the current line
 102    0672   1   !
 103    0673   1   !   TESTL                The model line
 104    0674   1   !
 105    0675   1   !   TESTP                The model position, on the model line
 106    0676   1   !
 107    0677   1   ! IMPLICIT INPUTS:
 108    0678   1   !
 109    0679   1   !       EDT$$A_CUR_BUF
 110    0680   1   !
 111    0681   1   ! IMPLICIT OUTPUTS:
 112    0682   1   !
 113    0683   1   !       NONE
 114    0684   1   !
 115    0685   1   ! ROUTINE VALUE:
 116    0686   1   !
 117    0687   1   !       -1 = model position is before the current position
 118    0688   1   !       +1 = model position is on or after the current position
 119    0689   1   !
 120    0690   1   ! SIDE EFFECTS:
 121    0691   1   !
 122    0692   1   !       NONE
 123    0693   1   !
 124    0694   1   !--
 125    0695   1
 126    0696   2       BEGIN
 127    0697   2
 128    0698   2       EXTERNAL
 129    0699   2           EDT$$A_CUR_BUF : REF TBCB_BLOCK;              ! The current buffer tbcb.
 130    0700   2
 131    0701   2       LOCAL
 132    0702   2           COMP;
 133    0703   2
 134    0704   2       COMP = CMPLNO (EDT$$A_CUR_BUF [TBCB_CUR_LIN], .TESTL);
 135    0705   2
 136    0706   3       IF (.COMP EQL 0)
 137    0707   2       THEN
 138    0708   2
 139    0709   3           IF CH$PTR_LSS (.CP, .TESTP) THEN RETURN (-1) ELSE RETURN (1)
 140    0710   3
 141    0711   2       ELSE
```

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| EDT$SCRRELPOS | EDT$SCRRELPOS - compare current position to spe 16-Sep-1984 01:40:33 | VAX-11 Bliss-32 V4.0-742 | Page 4 |
| V04-000 | EDT$SC_CMPPOS - compare current position to s 14-Sep-1984 12:24:36 | [EDT.SRC]SCRRELPOS.BLI;1 | (3) |

```
; 142      0712  2              RETURN (.COMP);
; 143      0713  2
; 144      0714  1      END;                                          ! of routine EDT$SC_CMPPOS

;

;                                                      .TITLE   EDT$SCRRELPOS EDT$SCRRELPOS - compare current p
                                                                          osition to spe
                                                      .IDENT   \V04-000\

                                                      .EXTRN   EDT$$A_CUR_BUF

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

                                  0000 00000          .ENTRY   EDT$SC_CMPPOS, Save nothing           ; 0657
            50 00000000G  00        06  C1 00002       ADDL3    #6, EDT$$A_CUR_BUF, R0               ; 0704
            51          08  AC       04  C1 0000A       ADDL3    #4, TESTL, R1
                        61       04  A0  B1 0000F       CMPW     4(R0), (R1)
                                     08  1F 00013       BLSSU    1$
                                     11  12 00015       BNEQ     3$
                        08  BC       60  D1 00017       CMPL     (R0), @TESTL
                                     05  1E 0001B       BGEQU    2$
                        50           01  CE 0001D 1$:   MNEGL    #1, R0
                                     09  11 00020       BRB      4$
                                     04  12 00022 2$:   BNEQ     3$
                                     50  D4 00024       CLRL     R0
                                     03  11 00026       BRB      4$
                        50           01  D0 00028 3$:   MOVL     #1, R0
                                     0E  12 0002B 4$:   BNEQ     6$                                  ; 0706
            0C  AC      04  AC       AC  D1 0002D       CMPL     CP, TESTP                           ; 0709
                                     04  1E 00032       BGEQU    5$
                        50           01  CE 00034       MNEGL    #1, R0
                                     04 00037          RET
                        50           01  D0 00038 5$:   MOVL     #1, R0
                                     04 0003B 6$:      RET                                           ; 0714

; Routine Size:  60 bytes,    Routine Base:  _EDT$CODE + 0000


; 145      0715  1
; 146      0716  1  !<BLF/PAGE>
```

EDT$SCRRELPOS   EDT$SCRRELPOS - compare current position to spe 16-Sep-1984 01:40:33   VAX-11 Bliss-32 V4.0-742   Page (5)
V04-000   EDT$SC_CMPPOS - compare current position to s 14-Sep-1984 12:24:36   [EDT.SRC]SCRRELPOS.BLI;1   (4)

: 148   0717 1 END   ! of module EDT$SCRRELPOS
: 149   0718 1
: 150   0719 0 ELUDOM

                              PSECT SUMMARY

         Name   Bytes   Attributes

: _EDT$CODE   60 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

                      Library Statistics

                              -------- Symbols --------   Pages   Processing
         File   Total   Loaded   Percent   Mapped   Time

: _255DUA28:[EDT.SRC]EDT.L32;1   377   26   6   40   00:00.2
: _255DUA28:[EDT.SRC]PSECTS.L32;1   2   1   50   7   00:00.1

                      COMMAND QUALIFIERS

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

: Size: 60 code + 0 data bytes
: Run Time: 00:10.7
: Elapsed Time: 00:13.1
: Lines/CPU Min: 4046
: Lexemes/CPU-Min: 12709
: Memory Used: 74 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