```
EEEEEEEEEEEEEEEE    DDDDDDDDDD       TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE    DDDDDDDDDD       TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE    DDDDDDDDDD       TTTTTTTTTTTTTTTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEEEEEEEEEE         DDD      DDD           TTT
EEEEEEEEEEE         DDD      DDD           TTT
EEEEEEEEEEE         DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEEEEEEEEEEEEEEE    DDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE    DDDDDDDDDD             TTT
EEEEEEEEEEEEEEEE    DDDDDDDDDD             TTT
```

EXE

Mod

EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
EDT
SYS
LBR
LIE

FILEID**CHMGSUSTR

```
CCCCCCCC  HH     HH  MM       MM   GGGGGGG   SSSSSSSS  UU     UU  SSSSSSSS  TTTTTTTTTT  RRRRRRRR
CCCCCCCC  HH     HH  MM       MM   GGGGGGG   SSSSSSSS  UU     UU  SSSSSSSS  TTTTTTTTTT  RRRRRRRR
CC        HH     HH  MMMM   MMMM  GG         SS        UU     UU  SS            TT      RR      RR
CC        HH     HH  MMMM   MMMM  GG         SS        UU     UU  SS            TT      RR      RR
CC        HH     HH  MM  MM MM    GG         SS        UU     UU  SS            TT      RR      RR
CC        HH     HH  MM  MM MM    GG         SS        UU     UU  SS            TT      RR      RR
CC        HHHHHHHHH  MM     MM    GG            SSSSSS  UU     UU     SSSSSS     TT      RRRRRRRR
CC        HHHHHHHHH  MM     MM    GG            SSSSSS  UU     UU     SSSSSS     TT      RRRRRRRR
CC        HH     HH  MM     MM    GG  GGGGG         SS  UU     UU         SS     TT      RR  RR
CC        HH     HH  MM     MM    GG  GGGGG         SS  UU     UU         SS     TT      RR  RR
CC        HH     HH  MM     MM    GG     GG         SS  UU     UU         SS     TT      RR   RR
CC        HH     HH  MM     MM    GG     GG         SS  UU     UU         SS     TT      RR   RR   ....
CCCCCCCC  HH     HH  MM     MM     GGGGGG   SSSSSSSS  UUUUUUUUUU  SSSSSSSS       TT      RR      RR ....
CCCCCCCC  HH     HH  MM     MM     GGGGGG   SSSSSSSS  UUUUUUUUUU  SSSSSSSS       TT      RR      RR ....

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  O  %TITLE 'EDT$CHMGSUSTR - isolate the search and replace strings'
 2    0002  O  MODULE EDT$CHMGSUSTR (                          ! Isolate the search and replace strings
 3    0003  O                  IDENT = 'V04-000'                          ! File: CHMGSUSTR.BLI Edit: JBS1003
 4    0004  O                  ) =
 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 isolates the search and replace strings for the
37    0037  1  !      SUBSTITUTE command.
38    0038  1  !
39    0039  1  ! ENVIRONMENT:  Runs at any access mode - AST reentrant
40    0040  1  !
41    0041  1  ! AUTHOR: Bob Kushlis, CREATION DATE: Unknown
42    0042  1  !
43    0043  1  ! MODIFIED BY:
44    0044  1  !
45    0045  1  ! 1-001 - Original.  DJS 04-Feb-1981.  This module was created by
46    0046  1  !         extracting the routine EDT$$FND_SUBSTR  from module CHANGE.BLI.
47    0047  1  ! 1-002 - Regularize header.  JBS 02-Mar-1981
48    0048  1  ! 1-003 - Improve the appearance of the listing.  JBS 13-Jun-1983
49    0049  1  !--
50    0050  1
```

```
 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$$FND_SUBSTR : NOVALUE;                  ! Isolate the search and replace strings for the SUBSTITUTE command
 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
```

```
 85    0655  1   %SBTTL 'EDT$$FND_SUBSTR  - isolate the search and replace strings'
 86    0656  1
 87    0657  1   GLOBAL ROUTINE EDT$$FND_SUBSTR                            ! Isolate the search and replace strings
 88    0658  1       : NOVALUE =
 89    0659  1
 90    0660  1   !++
 91    0661  1   ! FUNCTIONAL DESCRIPTION:
 92    0662  1   !
 93    0663  1   !     This routine isolates the search and replace strings for the SUBSTITUTE
 94    0664  1   !     command.
 95    0665  1   !
 96    0666  1   !     The length and address of the search and replace strings respectively
 97    0667  1   !     are placed in the global variables: EDT$$G_SEA_LEN ,
 98    0668  1   !     EDT$$A_SEA_STR , EDT$$G_RPL_LEN  and EDT$$A_RPL_STR .
 99    0669  1   !
100    0670  1   !     The command line pointer EDT$$A_CMD_BUF  is left pointing 1 character beyond the
101    0671  1   !     command.
102    0672  1   !
103    0673  1   ! FORMAL PARAMETERS:
104    0674  1   !
105    0675  1   !     NONE
106    0676  1   !
107    0677  1   ! IMPLICIT INPUTS:
108    0678  1   !
109    0679  1   !     EDT$$A_CMD_END
110    0680  1   !     EDT$$A_CMD_BUF
111    0681  1   !
112    0682  1   ! IMPLICIT OUTPUTS:
113    0683  1   !
114    0684  1   !     EDT$$A_CMD_BUF
115    0685  1   !     EDT$$A_RPL_STR
116    0686  1   !     EDT$$G_RPL_LEN
117    0687  1   !     EDT$$A_SEA_STR
118    0688  1   !     EDT$$G_SEA_LEN
119    0689  1   !
120    0690  1   ! ROUTINE VALUE:
121    0691  1   !
122    0692  1   !     NONE
123    0693  1   !
124    0694  1   ! SIDE EFFECTS:
125    0695  1   !
126    0696  1   !     NONE
127    0697  1   !
128    0698  1   !--
129    0699  1
130    0700  2       BEGIN
131    0701  2
132    0702  2       EXTERNAL
133    0703  2           EDT$$A_CMD_END,                               ! End of command pointer
134    0704  2           EDT$$A_CMD_BUF,                               ! Command string pointer
135    0705  2           EDT$$A_RPL_STR,                               ! Address of replace string.
136    0706  2           EDT$$G_RPL_LEN,                               ! Length of replace string.
137    0707  2           EDT$$A_SEA_STR,                               ! Address of search string.
138    0708  2           EDT$$G_SEA_LEN;                               ! Length of search string.
139    0709  2
140    0710  2       LOCAL
141    0711  2           QUOTE,
```

```
EDT$CHMGSUSTR    EDT$CHMGSUSTR - isolate the search and replace  15-Sep-1984 23:59:26    VAX-11 Bliss-32 V4.0-742    Page  4
V04-000          EDT$$FND_SUBSTR  - isolate the search and repla  14-Sep-1984 12:22:33    [EDT.SRC]CHMGSUSTR.BLI;1           (3)
```

```
:  142    0712  2            R_ADDR,
:  143    0713  2            R_LEN;
:  144    0714  2
:  145    0715  2            QUOTE = CH$RCHAR_A (EDT$$A_CMD_BUF);
:  146    0716  2            EDT$$A_SEA_STR = .EDT$$A_CMD_BUF;
:  147    0717  2            EDT$$G_SEA_LEN = 0;
:  148    0718  2
:  149    0719  3            WHILE (CH$PTR_GTR (.EDT$$A_CMD_END, .EDT$$A_CMD_BUF) AND      !
:  150    0720  2                (CH$RCHAR_A (EDT$$A_CMD_BUF) NEQ .QUOTE)) DO
:  151    0721  2                EDT$$G_SEA_LEN = .EDT$$G_SEA_LEN + 1;
:  152    0722  2
:  153    0723  2            EDT$$A_RPL_STR = .EDT$$A_CMD_BUF;
:  154    0724  2            EDT$$G_RPL_LEN = 0;
:  155    0725  2
:  156    0726  3            WHILE (CH$PTR_GTR (.EDT$$A_CMD_END, .EDT$$A_CMD_BUF) AND      !
:  157    0727  2                (CH$RCHAR_A (EDT$$A_CMD_BUF) NEQ .QUOTE)) DO
:  158    0728  2                EDT$$G_RPL_LEN = .EDT$$G_RPL_LEN + 1;
:  159    0729  2
:  160    0730  1        END;                                      ! of routine EDT$$FND_SUBSTR
```

```
;

                                           .TITLE  EDT$CHMGSUSTR EDT$CHMGSUSTR - isolate the searc
                                                       h and replace
;                                          .IDENT  \V04-000\

                                           .EXTRN  EDT$$A_CMD_END, EDT$$A_CMD_BUF
                                           .EXTRN  EDT$$A_RPL_STR, EDT$$G_RPL_LEN
                                           .EXTRN  EDT$$A_SEA_STR, EDT$$G_SEA_LEN

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

                            007C 00000     .ENTRY  EDT$$FND_SUBSTR, Save R2,R3,R4,R5,R6      ; 0657
          56 00000000G  00    9E 00002     MOVAB   EDT$$G_RPL_LEN, R6
          55 00000000G  00    9E 00009     MOVAB   EDT$$G_SEA_LEN, R5
          54 00000000G  00    9E 00010     MOVAB   EDT$$A_CMD_BUF, R4
                        50    64 D0 00017   MOVL    EDT$$A_CMD_BUF, R0               ; 0715
                        52    60 9A 0001A   MOVZBL  (R0), QUOTE
                              64 D6 0001D   INCL    EDT$$A_CMD_BUF
          00000000G  00       64 D0 0001F   MOVL    EDT$$A_CMD_BUF, EDT$$A_SEA_STR   ; 0716
                              65 D4 00026   CLRL    EDT$$G_SEA_LEN                   ; 0717
          50 00000000G  00    00 D0 00028   MOVL    EDT$$A_CMD_END, R0              ; 0719
                        64    50 D1 0002F 1$: CMPL  R0, EDT$$A_CMD_BUF
                              11 1B 00032   BLEQU   2$
                        53    64 D0 00034   MOVL    EDT$$A_CMD_BUF, R3              ; 0720
                        51    63 9A 00037   MOVZBL  (R3), R1
                              64 D6 0003A   INCL    EDT$$A_CMD_BUF
                        52    51 D1 0003C   CMPL    R1, QUOTE
                              04 13 0003F   BEQL    2$
                              65 D6 00041   INCL    EDT$$G_SEA_LEN                  ; 0721
                              EA 11 00043   BRB     1$
          00000000G  00       64 D0 00045 2$: MOVL  EDT$$A_CMD_BUF, EDT$$A_RPL_STR  ; 0723
                              66 D4 0004C   CLRL    EDT$$G_RPL_LEN                  ; 0724
                        64    50 D1 0004E 3$: CMPL  R0, EDT$$A_CMD_BUF              ; 0726
                              11 1B 00051   BLEQU   4$
                        53    64 D0 00053   MOVL    EDT$$A_CMD_BUF, R3              ; 0727
                        51    63 9A 00056   MOVZBL  (R3), R1
                              64 D6 00059   INCL    EDT$$A_CMD_BUF
```

```
                        52              51 D1 0005B          CMPL    R1, QUOTE
                                        04 13 0005E          BEQL    4$
                                        66 D6 00060          INCL    EDT$$G_RPL_LEN
                                        EA 11 00062          BRB     3$
                                        04 00064 4$:         RET
```

; Routine Size: 101 bytes,   Routine Base: _EDT$CODE + 0000

; 161   0731 1
; 162   0732 1 !<BLF/PAGE>

I 12
EDT$CHMGSUSTR   EDT$CHMGSUSTR - isolate the search and replace 15-Sep-1984 23:59:26   VAX-11 Bliss-32 V4.0-742   Page 6
V04-000   EDT$$FND_SUBSTR - isolate the search and repla 14-Sep-1984 12:22:33   [EDT.SRC]CHMGSUSTR.BLI;1   (4)

; 164   0733 1 END   ! of module EDT$CHMGSUSTR
; 165   0734 1
; 166   0735 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

; _255DUA28:[EDT.SRC]EDT.L32;1   377   1   0   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$:CHMGSUSTR/OBJ=OBJ$:CHMGSUSTR MSRC$:CHMGSUSTR.BLI/UPDATE=(ENH$:C
;   HMGSUSTR)

; Size: 101 code + 0 data bytes
; Run Time: 00:10.7
; Elapsed Time: 00:12.8
; Lines/CPU Min: 4117
; Lexemes/CPU-Min: 11210
; Memory Used: 66 pages
; Compilation Complete

CHMFINENT
LIS

CHMINIT
LIS

CHMGCOUNT
LIS

CHMGINSTR
LIS

CHMGSUSTR
LIS

CHMINSMOD
LIS

CHMEMESS
LIS

CHMINSTAB
LIS

CHMENTTRM
LIS

CHMGBUF
LIS

CHMINSCHR
LIS

CHMINDATE
LIS

CHMEXVERB
LIS

CHMFINSTR
LIS

CHMGDIR
LIS

CHMGQUSTR
LIS

CHMHLPKPD
LIS

CHMINSSTR
LIS

CHMKEYWRD
LIS

CHMENDWRD
LIS

CHMEXCOM
LIS