

[illegible]

EXE

Mod

ED 1

ED

ED

ED

ED

ED1

ED

ED

ED
EDED
EDSYS
LIB

L18

```
UU      UU  FFFFFFFF  SSSSSSSS  TTTTTTTTTT  RRRRRRRR  IIIIII  NN      NN  GGGGGGGG
UU      UU  FFFFFFFF  SSSSSSSS  TTTTTTTTTT  RRRRRRRR  IIIIII  NN      NN  GGGGGGGG
UU      UU  FF      SS      TT      RR      RR  II      NN      NN  GG
UU      UU  FF      SS      TT      RR      RR  II      NN      NN  GG
UU      UU  FF      SS      TT      RR      RR  II      NNNN  NN  GG
UU      UU  FF      SS      TT      RR      RR  II      NNNN  NN  GG
UU      UU  FFFFFFFF  SSSSSS  TT      RR      RR  II      NN      NN  GG
UU      UU  FFFFFFFF  SSSSSS  TT      RR      RR  II      NN      NN  GG
UU      UU  FF      SS      TT      RR      RR  II      NN      NN  GG
UU      UU  FF      SS      TT      RR      RR  II      NN      NN  GG
UU      UU  FF      SS      TT      RR      RR  II      NN      NN  GG
UU      UU  FF      SS      TT      RR      RR  II      NN      NN  GG
UUUUUUUUUU  FF      SSSSSSSS  TT      RR      RR  IIIIII  NN      NN  GGGGGG
UUUUUUUUUU  FF      SSSSSSSS  TT      RR      RR  IIIIII  NN      NN  GGGGGG

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
LLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLL  IIIIII  SSSSSSSS
```

```
0001 0 %TITLE 'EDT$UFSTRING - line-mode string search'
0002 0 MODULE EDT$UFSTRING ( ! Line-mode string search
0003 0 IDENT = 'V04-000' ! File: UFSTRING.BLI Edit: JBS1005
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 Line-mode string search.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: February 7, 1978
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 19-FEB-1981. This module was created by
0045 1 extracting routine U_F_STRING from module UTIL.
0046 1 1-002 - Regularize headers and remove control C checking. JBS 11-Mar-1981
0047 1 1-003 - Worry about string truncation. JBS 05-May-1982
0048 1 1-004 - Put in check for control C. SIS 15-Jun-1982
0049 1 1-005 - Remove EDT$SA_STR_CMP. JBS 16-Jul-1982
0050 1
0051 1 --
```


EDTSUFSTRING
V04-000

EDTSUFSTRING - line-mode string search
Declarations

B 1
16-Sep-1984 01:59:50
14-Sep-1984 12:25:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]UFSTRING.BLI;1
Page 2 (2)

```
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$SFND_STR;
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 1
80 0651 1 NONE
81 0652 1
82 0653 1 EXTERNAL REFERENCES:
83 0654 1
84 0655 1 In the routine
```



```
0656 1 X$BTTL 'EDT$$FND_STR - line-mode string search'
0657 1
0658 1 GLOBAL ROUTINE EDT$$FND_STR (
0659 1     STRING,
0660 1     LEN,
0661 1     DIR
0662 1 ) =
0663 1
0664 1 ++
0665 1 FUNCTIONAL DESCRIPTION:
0666 1
0667 1     Line mode string search routine. Set-up the string which is passed in
0668 1     as the current search string, then work our way through the buffer in
0669 1     the specified direction looking for the string. If the string is found
0670 1     the buffer position is left at the string, otherwise it will be at the
0671 1     beginning or end depeneding on the direction.
0672 1
0673 1 FORMAL PARAMETERS:
0674 1
0675 1     STRING          Pointer to the search string.
0676 1
0677 1     LEN             Length of the search string.
0678 1
0679 1     DIR             Direction of search: 0 = backward, 1 = forward.
0680 1
0681 1 IMPLICIT INPUTS:
0682 1
0683 1     EDT$$A_CUR_BUF
0684 1     EDT$$T_SEA_STR
0685 1     EDT$$G_SEA_STRLN
0686 1     EDT$$A_WK_CN
0687 1     EDT$$G_EXCT_MATCH
0688 1
0689 1 IMPLICIT OUTPUTS:
0690 1
0691 1     EDT$$G_CC_DONE
0692 1     EDT$$A_CUR_BUF
0693 1
0694 1 ROUTINE VALUE
0695 1
0696 1     0 = string not found
0697 1     1 = string found
0698 1     2 = string invalid
0699 1
0700 1 SIDE EFFECTS:
0701 1
0702 1     NONE
0703 1
0704 1 --
0705 1
0706 2 BEGIN
0707 2
0708 2 EXTERNAL ROUTINE
0709 2     EDT$$CHK_CC,
0710 2     EDT$$SET_SEASTR,
0711 2     EDT$$RD_RXTLN,
0712 2     EDT$$RD_PRVLN,
```



```
143 0713 2      EDT$STR_CMP;                ! Match two strings of equal length
144 0714 2
145 0715 2      EXTERNAL
146 0716 2      EDT$A_CUR_BUF : REF TBCB_BLOCK,    ! Pointer to current buffer TBCB
147 0717 2      EDT$G_CC_DONE,                    ! control C seen flag
148 0718 2      EDT$T_SEA_STR : BLOCK [CH$ALLOCATION (64)], ! Last search string.
149 0719 2      EDT$G_SEA_STRLEN,                  ! Length of above.
150 0720 2      EDT$A_WK_LN : REF LIN_BLOCK,       ! Pointer to the current line
151 0721 2      EDT$G_EXCT_MATCH;                  ! The type of string matching
152 0722 2
153 0723 2      LOCAL
154 0724 2      CONTROL_C : INITIAL (0),
155 0725 2      SC,
156 0726 2      SOURCE;
157 0727 2
158 0728 2      !+
159 0729 2      !- Set up the new search string.
160 0730 2
161 0731 2
162 0732 2      IF EDT$SET_SEASTR (.STRING, .LEN)
163 0733 2      THEN
164 0734 2      BEGIN
165 0735 2
166 0736 2      WHILE NOT .CONTROL_C DO
167 0737 2      BEGIN
168 0738 2      CONTROL_C = EDT$CHK_CC ();
169 0739 2      !+
170 0740 2      !- If seaching backward, then go back a line.
171 0741 2
172 0742 2
173 0743 2      IF ( NOT .DIR)
174 0744 2      THEN
175 0745 2
176 0746 2      IF ( NOT EDT$RD_PRVLN ()) THEN RETURN (0);
177 0747 2
178 0748 2      !+
179 0749 2      !- Get a pointer to the line.
180 0750 2
181 0751 2      SOURCE = EDT$A_WK_LN [LIN_TEXT];
182 0752 2      !+
183 0753 2      !- Compare at each character in the line.
184 0754 2
185 0755 2
186 0756 2      INCR I FROM .EDT$A_CUR_BUF [TBCB_CHAR_POS] TO
187 0757 2      (.EDT$A_WK_LN [LIN_LENGTH] - .EDT$G_SEA_STRLEN) DO
188 0758 2
189 0759 2      IF EDT$STR_CMP (CH$PTR (.SOURCE, .I), EDT$T_SEA_STR, .EDT$G_SEA_STRLEN, .EDT$G_EXCT_MATCH
190 0760 2
191 0761 2      THEN
192 0762 2      BEGIN
193 0763 2      EDT$A_CUR_BUF [TBCB_CHAR_POS] = .I + .EDT$G_SEA_STRLEN;
194 0764 2      RETURN (1);
195 0765 2      END;
196 0766 2
197 0767 2      !+
198 0768 2      !- If the direction is forward, then move forward a line.
199 0769 2
```


EDTSUFSTRING
V04-000

EDTSUFSTRING - line-mode string search
EDTSSFND_STR - line-mode string search

E 1
16-Sep-1984 01:59:50
14-Sep-1984 12:25:13

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DISK\$VMSMASTER:[EDT.SRC]UFSTRING.BLI;1 Page 5 (3)

```
200 0770 4
201 0771 4 IF .DIR
202 0772 4 THEN
203 0773 4
204 0774 4 IF ( NOT EDT$SRD_NXTLN ( ) ) THEN RETURN (0);
205 0775 4
206 0776 3 END;
207 0777 3
208 0778 3 EDT$SG_CC_DONE = 1;
209 0779 3 RETURN (0);
210 0780 3 END;
211 0781 3
212 0782 2 RETURN (2);
213 0783 1 END;
```

! of routine EDTSSFND_STR

.TITLE EDTSUFSTRING EDTSUFSTRING - line-mode string search

.IDENT \V04-000\

.EXTRN EDT\$CHK_CC, EDT\$SET_SEASTR
.EXTRN EDT\$SRD_NXTLN, EDT\$SRD_PRVLN
.EXTRN EDT\$STR_CMP, EDT\$A_CUR_BUF
.EXTRN EDT\$SG_CC_DONE, EDT\$T_SEA_STR
.EXTRN EDT\$SG_SEA_STRLEN
.EXTRN EDT\$A_WK_LN, EDT\$SG_EXCT_MATCH

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

.ENTRY EDTSSFND_STR, Save R2,R3,R4,R5,R6,R7,R8

58	00000000G	00	01FC	00000	MOVAB	EDT\$A_CUR_BUF, R8	0658
57	00000000G	00	9E	00002	MOVAB	EDT\$SG_SEA_STRLEN, R7	
		55	D4	00010	CLRL	CONTROL_C	0706
7E	04	AC	7D	00012	MOVQ	STRING, -(SP)	0732
00000000G		02	FB	00016	CALLS	#2, EDT\$SET_SEASTR	
7E		50	E9	0001D	BLBC	R0, 6\$	
56	0C	AC	D2	00020	MCOML	DIR, R6	0743
6E		55	E8	00024	BLBS	CONTROL_C, 5\$	0736
00000000G		00	FB	00027	CALLS	#0, EDT\$CHK_CC	0738
55		50	D0	0002E	MOVL	R0, CONTROL_C	
0A		56	E9	00031	BLBC	R6, 2\$	0743
00000000G		00	FB	00034	CALLS	#0, EDT\$SRD_PRVLN	0746
64		50	E9	0003B	BLBC	R0, 7\$	
51	00000000G	00	D0	0003E	MOVL	EDT\$A_WK_LN, R1	0751
52	07	A1	9E	00045	MOVAB	7(R1), SOURCE	
50		68	D0	00049	MOVL	EDT\$A_CUR_BUF, R0	0756
54		61	9A	0004C	MOVZBL	(R1), R4	0757
54		67	C2	0004F	SUBL2	EDT\$SG_SEA_STRLEN, R4	
53	0C	A0	3C	00052	MOVZWL	12(R0), I	0759
		53	D7	00056	DECL	I	
		27	11	00058	BRB	4\$	
	00000000G	00	D0	0005A	PUSHL	EDT\$SG_EXCT_MATCH	
		67	DD	00060	PUSHL	EDT\$SG_SEA_STRLEN	
	00000000G	00	9F	00062	PUSHAB	EDT\$T_SEA_STR	
		6342	9F	00068	PUSHAB	(I)[SOURCE]	
00000000G	00	04	FB	0006B	CALLS	#4, EDT\$STR_CMP	
	0C	50	E9	00072	BLBC	R0, 4\$	

EDTSUFSTRING
V04-000

EDTSUFSTRING - line-mode string search
EDTSSFND_STR - line-mode string search

F 1
16-Sep-1984 01:59:50
14-Sep-1984 12:25:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]UFSTRING.BLI;1

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OC	A0	50	68	D0	00075	MOVL	EDTSSA_CUR_BUF, R0	:	0763
		53	67	A1	00078	ADDW3	EDTSSG_SEA_STRLEN, 1, 12(R0)	:	
		50	01	D0	0007D	MOVL	#1, R0	:	0764
				04	00080	RET		:	
	D5	53	54	F3	00081	4\$: AOBLEQ	R4, 1, 3\$	:	0759
		98	OC	AC	E9	00085	BLBC	DIR, 1\$	0771
	00000000G	00	00	FB	00089	CALLS	#0, EDTSSRD_NXTLN	:	0774
		91	50	E8	00090	BLBS	R0, 1\$	:	
			0D	11	00093	BRB	7\$	:	
	00000000G	00	01	D0	00095	5\$: MOVL	#1, EDTSSG_CC_DONE	:	0778
			04	11	0009C	BRB	7\$	:	0779
		50	02	D0	0009E	6\$: MOVL	#2, R0	:	0782
				04	000A1	RET		:	
			50	D4	000A2	7\$: CLRL	R0	:	0783
				04	000A4	RET		:	

; Routine Size: 165 bytes, Routine Base: _EDT\$CODE + 0000

; 214 0784 1
; 215 0785 1 !<BLF/PAGE>

EDTSUFSTRING
V04-000

EDTSUFSTRING - line-mode string search
EDTSSFND_STR - line-mode string search

G 1
16-Sep-1984 01:59:50
14-Sep-1984 12:25:13

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DISK\$VMSMASTER:[EDT.SRC]UFSTRING.BLI;1 (4)

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: 217
: 218
: 219

0786 1 END
0787 1
0788 0 ELUDOM

! of module EDT\$UFSTRING

PSECT SUMMARY

: Name Bytes Attributes
: _EDT\$CODE 165 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

: File Total Symbols Loaded Percent Pages Mapped Processing Time
: _\$255\$DUA28:[EDT.SRC]EDT.L32;1 377 32 8 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=LISS:UFSTRING/OBJ=OBJ\$:UFSTRING MSRC\$:UFSTRING.BLI/UPDATE=(ENH\$:UFST
: RING)

: Size: 165 code + 0 data bytes
: Run Time: 00:13.2
: Elapsed Time: 00:15.5
: Lines/CPU Min: 3595
: Lexemes/CPU-Min: 10302
: Memory Used: 93 pages
: Compilation Complete

0140

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