


```

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      NN  GG
UU      UU  FF          SS          TT          RR          RR  II      NNNN   NN      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
UU      UU  FF          SS          TT          RR          RR  II      NN      NN  GG
UUUUUUUU  FF          SS          TT          RR          RR  IIIIII  NN      NN  GGGGGG
UUUUUUUU  FF          SS          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
LLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS

```

```

1 0001 0 %TITLE 'EDT$UFSTRING - line-mode string search'
2 0002 0 MODULE EDT$UFSTRING ( ! Line-mode string search
3 0003 0 !IDENT = 'V04-000' ! File: UFSTRING.BLI Edit: JBS1005
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 *
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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 Line-mode string search.
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: February 7, 1978
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 U_F_STRING from module UTIL.
46 0046 1 1-002 - Regularize headers and remove control C checking. JBS 11-Mar-1981
47 0047 1 1-003 - Worry about string truncation. JBS 05-May-1982
48 0048 1 1-004 - Put in check for control C. STS 15-Jun-1982
49 0049 1 1-C05 - Remove EDT$A_STR_CMP. JBS 16-Jul-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 1  
60 0497 1 FORWARD ROUTINE  
61 0498 1 EDTSBFND_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 Z$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 depending 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 [N
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$$A_WK_LN [LIN_TEXT];
182 0752 2      !+
183 0753 2      !- Compare at each character in the line.
184 0754 2
185 0755 2
186 0756 2      INCP I FROM .EDT$$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

```

```

: 200 0770 4
: 201 0771 4
: 202 0772 4
: 203 0773 4
: 204 0774 4
: 205 0775 4
: 206 0776 3
: 207 0777 2
: 208 0778 1
: 209 0779 1
: 210 0780 1
: 211 0781 1
: 212 0782 1
: 213 0783 1

```

```

IF .DIR
THEN
    IF ( NOT EDTSSRD_NXTLN ( ) ) THEN RETURN ( 0 );
END;
EDTSSG_CC_DONE = 1;
RETURN ( 0 );
END;
RETURN ( 2 );
END;

```

! of routine EDTSSFND_STR

```

.TITLE EDTSUFSTRING EDTSUFSTRING - line-mode string se
       arch
.IDENT \V04-000\

.EXTRN EDTSSCHK_CC, EDTSSSET_SEASTR
.EXTRN EDTSSRD_NXTLN, EDTSSRD_PVVLN
.EXTRN EDTSSSTR_CMP, EDTSSA_CUR_BUF
.EXTRN EDTSSG_CC_DONE, EDTSS_TSEA_STR
.EXTRN EDTSSG_SEA_STRLN
.EXTRN EDTSSA_WK_LEN, EDTSSG_EXCT_MATCH

.PSECT _EDTSCODE,NOWRT, SHR, PIC,2

.ENTRY EDTSSFND_STR, Save R2,R3,R4,R5,R6,R7,R8 : 0658
MOVAB EDTSSA_CUR_BUF, R8
MOVAB EDTSSG_SEA_STRLN, R7
CLR CONTROL_C : 0706
MOVQ STRING, -(SP) : 0732
CALLS #2, EDTSSSET_SEASTR
BLBC R0, 6$
MCOML DIR, R6 : 0743
BLBS CONTROL_C, 5$ : 0736
CALLS #0, EDTSSCHK_CC : 0738
MOVL R0, CONTROL_C
BLBC R6, 2$ : 0743
CALLS #0, EDTSSRD_PVVLN : 0746
BLBC R0, 7$
MOVL EDTSSA_WK_LEN, R1 : 0751
MOVAB 7(R1), SOURCE
MOVL EDTSSA_CUR_BUF, R0 : 0756
MOVZBL (R1), R4 : 0757
SUBL2 EDTSSG_SEA_STRLN, R4 : 0759
MOVZWL 12(R0), I
DECL I
BRB 4$
PUSHL EDTSSG_EXCT_MATCH
PUSHL EDTSSG_SEA_STRLN
PUSHAB EDTSS_TSEA_STR
PUSHAB (I)[SOURCE]
CALLS #4, EDTSSSTR_CMP
BLBC R0, 4$

```

```

01FC 00000
58 00000000G 00 9E 00002
57 00000000G 00 9E 00009
00000000G 7E 04 AC 7D 00012
00000000G 00 02 FB 00016
00000000G 7E 50 E9 0001D
00000000G 56 0C AC D2 00020
00000000G 6E 55 EB 00024 1$:
00000000G 00 00 FB 00027
00000000G 55 50 D0 0002F
00000000G 0A 56 E9 00031
00000000G 00 00 FB 00034
00000000G 64 50 E9 0003B 2$:
00000000G 51 00000000G 00 D0 0003E
00000000G 52 07 A1 9E 00045
00000000G 50 68 D0 00049
00000000G 54 61 9A 0004C
00000000G 54 67 C2 0004F
00000000G 53 0C A0 3C 00052
00000000G 53 D7 00056
00000000G 27 11 0005B
00000000G 00 D0 0005A 3$:
00000000G 67 DD 00060
00000000G 00 9F 00062
00000000G 6342 9F 00068
00000000G 00 04 FB 0006B
00000000G 0C 50 E9 00072

```

EDT\$UFSTRING
V04-000

EDT\$UFSTRING - line-mode string search
EDT\$SFND_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 Page 6
(3)

EDT\$
V04

		50		68	D0 00075	MOVL	EDT\$SA_CUR_BUF, R0	:	0763
OC	A0	53		67	A1 00078	ADDW3	EDT\$SG_SEA_STRLEN, I, 12(R0)	:	
		50		01	D0 0007D	MOVL	#1, R0	:	0764
					04 00080	RET		:	
	DS	53		54	F3 00081 4\$:	AOBLEQ	R4, I, 3\$:	0759
		9E	OC	AC	E9 00085	BLBC	DIR, 1\$:	0771
		00		00	FB 00089	CALLS	#, EDT\$RD_NXTLN	:	0774
	00000000G	91		50	E8 00090	BLBS	R0, 1\$:	
				0D	11 00093	BRB	7\$:	
				01	D0 00095 5\$:	MOVL	#1, EDT\$G_CC_DONE	:	0778
	00000000G	00		04	11 0009C	BRB	7\$:	0779
				02	D0 0009E 6\$:	MOVL	#2, R0	:	0782
		50			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 I
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 (4) Page 7

EDT
V04

: 217 0786 1 END
: 218 0787 1
: 219 0788 0 ELUDOM

! of module EDTSUFSTRING

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=LIS\$:UFSTRING/OBJ=OBJ\$:UFSTRING MSRCS\$:UFSTRING.BLI/UPDATE=(ENH\$:UFSTR 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

: R

SCRUPDATM
LIS

STARTED
LIS

TISAVE
LIS

SETCOMMAN
LIS

TTAUTO
LIS

TIDELETE
LIS

TILTNE
LIS

TRACEMAC
LIS

UFBUFFER
LIS

SCRZAPSIN
LIS

UEXACASE
LIS

SCRUPDATM
LIS

TITYPAHD
LIS

TSTKEYDEF
LIS

TICLRAUD
LIS

SUPPORTS
LIS

TICCHAR
LIS

TIECHO
LIS

TRAROUNAM
LIS

TRANSLATE
LIS

UFSTRING
LIS

SYSUAX
LIS

SCRWID
LIS

TRACELIT
LIS

UEUTCASE
LIS

