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CCCCCCCC HH      HH MM      MM BBBB8888 EEEEEEEEE GGGGGGGG WW      WW RRRRRRRR DDDDDDDD
CCCCCCCC HH      HH MM      MM BBBB8888 EEEEEEEEE GGGGGGGG WW      WW RRRRRRRR DDDDDDDD
CC        HH      HH MMMM   MMMM BB      BB EE          GG          WW      WW RR      RR DD      DD
CC        HH      HH MMMM   MMMM BB      BB EE          GG          WW      WW RR      RR DD      DD
CC        HH      HH MM      MM BB      BB EE          GG          WW      WW RR      RR DD      DD
CC        HH      HH MM      MM BB      BB EE          GG          WW      WW RR      RR DD      DD
CC        HHHHHHHHHH MM      MM BBBB8888 EEEEEEEE GG          WW      WW RRRRRRRR DD      DD
CC        HHHHHHHHHH MM      MM BBBB8888 EEEEEEEE GG          WW      WW RRRRRRRR DD      DD
CC        HH      HH MM      MM BB      BB EE          GG GGGGGG WW      WW RR      RR DD      DD
CC        HH      HH MM      MM BB      BB EE          GG GGGGGG WW      WW RR      RR DD      DD
CC        HH      HH MM      MM BB      BB EE          GG          GG WWWW WWWW RR      RR DD      DD
CC        HH      HH MM      MM BB      BB EE          GG          GG WWWW WWWW RR      RR DD      DD
CCCCCCCC HH      HH MM      MM BBBB8888 EEEEEEEEE GGGGGG WW      WW RR      RR DDDDDDDD .....
CCCCCCCC HH      HH MM      MM BBBB8888 EEEEEEEEE GGGGGG WW      WW RR      RR DDDDDDDD .....

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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        IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

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0001 0 %TITLE 'EDT$CHMBEGWRD - search for beginning of word'
0002 0 MODULE EDT$CHMBEGWRD ( ! Search for beginning of word
0003 0 IDENT = 'V04-000' ! File: CHMBEGWRD.BLI Edit: JBS1006
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 This module moves backward to the beginning of a word.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 04-Feb-1981. This module was created by
0045 1 extracting the routine EDT$$FND_BWD from module CHANGE.BLI.
0046 1 1-002 - Regularize headers. JBS 27-Feb-1981
0047 1 1-003 - Fix module name. JBS 02-Mar-1981
0048 1 1-004 - Add handling of new word type. STS 23-Oct-1981
0049 1 1-005 - Return if we're at the beginning of the buffer. STS 21-Jun-1982
0050 1 1-006 - Add conditional for WPS support. JBS 10-Feb-1983
0051 1 --
0052 1
    
```

```

: 54 0053 1 %SBTTL 'Declarations'
: 55 0054 1
: 56 0055 1 | TABLE OF CONTENTS:
: 57 0056 1 |
: 58 0057 1
: 59 0058 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 60 0497 1
: 61 0498 1 FORWARD ROUTINE
: 62 0499 1 EDT$$FND_BWD; ! Move backwards to the beginning of a word
: 63 0500 1
: 64 0501 1 |
: 65 0502 1 | INCLUDE FILES:
: 66 0503 1 |
: 67 0504 1
: 68 0505 1 REQUIRE 'EDTSRC:EDTREQ';
: 69 0640 1
: 70 0641 1 LIBRARY 'EDTSRC:SUPPORTS';
: 71 0642 1
: 72 0643 1 |
: 73 0644 1 | MACROS:
: 74 0645 1 |
: 75 0646 1 | NONE
: 76 0647 1 |
: 77 0648 1 | EQUATED SYMBOLS:
: 78 0649 1 |
: 79 0650 1 | NONE
: 80 0651 1 |
: 81 0652 1 | OWN STORAGE:
: 82 0653 1 |
: 83 0654 1 | NONE
: 84 0655 1 |
: 85 0656 1 | EXTERNAL REFERENCES:
: 86 0657 1 |
: 87 0658 1 | In the routine
```

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: 89      0659 1 %SBTTL 'EDT$$FND_BWD - search for the beginning of a word'
: 90      0660 1
: 91      0661 1 GLOBAL ROUTINE EDT$$FND_BWD (                ! Search for the beginning of a word
: 92      0662 1     L_FLAG                                ! 1 = stop at start of line
: 93      0663 1     )=
: 94      0664 1
: 95      0665 1 |++
: 96      0666 1 |FUNCTIONAL DESCRIPTION:
: 97      0667 1 |
: 98      0668 1 |     Move backwards to the beginning of a word.
: 99      0669 1 |
: 100     0670 1 |FORMAL PARAMETERS:
: 101     0671 1 |
: 102     0672 1 |     L_FLAG                1 = do not go beyond the beginning of a line
: 103     0673 1 |
: 104     0674 1 |IMPLICIT INPUTS:
: 105     0675 1 |
: 106     0676 1 |     EDT$$A_US_ENT
: 107     0677 1 |     EDT$$T_LN_BUF
: 108     0678 1 |     EDT$$G_WRD_TYP
: 109     0679 1 |     EDT$$A_LN_PTR
: 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 |     The length of the word
: 118     0688 1 |
: 119     0689 1 |SIDE EFFECTS:
: 120     0690 1 |
: 121     0691 1 |     NONE
: 122     0692 1 |
: 123     0693 1 |--
: 124     0694 1 |
: 125     0695 2 |     BEGIN
: 126     0696 2 |
: 127     0697 2 |     EXTERNAL ROUTINE
: 128     0698 2 |         EDT$$TST_ENTDELIM,                ! Determine if the current character is an entity delimiter
: 129     0699 2 |         EDT$$CS_LEFT,                    ! Move left a character
: 130     0700 2 |         EDT$$CS_RIGHT;                   ! Move right a character
: 131     0701 2 |
: 132     0702 2 |     EXTERNAL
: 133     0703 2 |         EDT$$A_US_ENT : VECTOR,          ! Pointers to user defined entities
: 134     0704 2 |         EDT$$T_LN_BUF,                  ! Current line buffer
: 135     0705 2 |
: 136     L 0706 2 |%IF SUPPORT_WPS
: 137     0707 2 |%THEN
: 138     0708 2 |         EDT$$G_WRD_TYP,                ! indicate whether or not to include delimiters
: 139     0709 2 |%FI
: 140     0710 2 |
: 141     0711 2 |         EDT$$A_LN_PTR;                   ! Current character pointer
: 142     0712 2 |
: 143     0713 2 |     LOCAL
: 144     0714 2 |     SIZE;
: 145     0715 2 |

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146 0716      SIZE = 0;
147 0717      |
148 0718      | + Go past all spaces to the left first. If nodelimiters set, also go past
149 0719      | - all delimiters.
150 0720      |
151 0721      |
152 L 0722      | %IF SUPPORT_WPS
153 0723      | %THEN
154 0724      |
155 0725      | IF (.EDT$$G_WRD TYP EQL NOT_DELIMITED)
156 0726      | THEN
157 0727      |
158 0728      | WHILE (EDT$$STST_ENTDELIM (.EDT$$A_US_ENT [0])) DO
159 0729      |
160 0730      |     IF EDT$$CS_LEFT () THEN SIZE = .SIZE + 1 ELSE RETURN (.SIZE)
161 0731      |
162 0732      | ELSE
163 0733      | %FI
164 0734      |
165 0735      | WHILE (CH$RCHAR (.EDT$$A_LN_PTR) EQL %C' ') DO
166 0736      |
167 0737      |     IF EDT$$CS_LEFT () THEN SIZE = .SIZE + 1 ELSE RETURN (.SIZE);
168 0738      |
169 0739      | +
170 0740      | - Keep moving left until we hit a terminator or beginning of file.
171 0741      |
172 0742      |
173 0743      | WHILE ( NOT EDT$$STST_ENTDELIM (.EDT$$A_US_ENT [0])) DO
174 0744      | BEGIN
175 0745      | +
176 0746      | - If L_FLAG is 1, do not go beyond the beginning of line.
177 0747      |
178 0748      |
179 0749      | IF ((.L_FLAG EQL 1) AND CH$PTR_EQL (.EDT$$A_LN_PTR, CH$PTR (EDT$$ST_LN_BUF))) THEN EXITLOOP;
180 0750      |
181 0751      | +
182 0752      | - Do not go beyond the beginning of file.
183 0753      |
184 0754      |
185 0755      | IF ( NOT EDT$$CS_LEFT ()) THEN EXITLOOP;
186 0756      |
187 0757      | +
188 0758      | - Continue search.
189 0759      |
190 0760      |     SIZE = .SIZE + 1;
191 0761      |     END;
192 0762      |
193 0763      | +
194 0764      | - If we moved across any characters before finding a delimiter, then do
195 0765      | not include the delimiter in the word, otherwise, the word is the delimiter
196 0766      | character.
197 0767      |
198 0768      |
199 0769      | IF ((.SIZE GTR 0) AND EDT$$STST_ENTDELIM (.EDT$$A_US_ENT [0]))
200 0770      | THEN
201 0771      | BEGIN
202 0772      |     SIZE = .SIZE - 1;
```

: 203 0773 3  
: 204 0774 2  
: 205 0775 2  
: 206 0776 2  
: 207 0777 1

EDT\$\$CS\_RIGHT ();  
END;  
RETURN (.SIZE);  
END;

! of routine EDT\$\$FND\_BWRD

.TITLE EDT\$CHMBEGWRD EDT\$CHMBEGWRD - search for beginn  
ing of word  
.IDENT \V04-000\  
.EXTRN EDT\$\$TST\_ENTDELIM  
.EXTRN EDT\$\$CS\_LEFT, EDT\$\$CS\_RIGHT  
.EXTRN EDT\$\$A\_US\_ENT, EDT\$\$T\_LN\_BUF  
.EXTRN EDT\$\$G\_WRD\_TYP, EDT\$\$A\_LN\_PTR  
.PSECT \_EDT\$CODE, NOWRT, SHR, PIC, 2

56	00000000G	00	007C	00000	09E	00002	MOVAB	EDT\$\$FND_BWD, Save R2,R3,R4,R5,R6	: 0661
55	00000000G	00		00009	09E	00009	MOVAB	EDT\$\$A_LN_PTR, R6	
54	00000000G	00		00010	09E	00010	MOVAB	EDT\$\$CS_LEFT, R5	
53	00000000G	00		00017	09E	00017	MOVAB	EDT\$\$TST_ENTDELIM, R4	
							MOVAB	EDT\$\$A_US_ENT, R3	
01	00000000G	00		00020	D4	0001E	CLRL	SIZE	: 0716
							CMPL	EDT\$\$G_WRD_TYP, #1	: 0725
							BNEQ	2\$	
							PUSHL	EDT\$\$A_US_ENT	: 0728
64		01		0002B	FB	0002B	CALLS	#1, EDT\$\$TST_ENTDELIM	
1C		50		0002E	E9	0002E	BLBC	R0, 3\$	
65		00		00031	FB	00031	CALLS	#0, EDT\$\$CS_LEFT	: 0730
4F		50		00034	E9	00034	BLBC	R0, 6\$	
							INCL	SIZE	
							BRB	1\$	
50		66		0003B	DD	0003B	MOVL	EDT\$\$A_LN_PTR, R0	: 0735
20		60		0003E	91	0003E	CMPB	(R0), #32	
							BNEQ	3\$	
65		00		00043	FB	00043	CALLS	#0, EDT\$\$CS_LEFT	: 0737
3D		50		00046	E9	00046	BLBC	R0, 6\$	
							INCL	SIZE	
							BRB	2\$	
							PUSHL	EDT\$\$A_US_ENT	: 0743
64		01		0004F	FB	0004F	CALLS	#1, EDT\$\$TST_ENTDELIM	
1C		50		00052	E8	00052	BLBS	R0, 5\$	
01	04	AC		00055	D1	00055	CMPL	L_FLAG, #1	: 0749
							BNEQ	4\$	
50	00000000G	00		0005B	9E	0005B	MOVAB	EDT\$\$T_LN_BUF, R0	
50		66		00062	D1	00062	CMPL	EDT\$\$A_LN_PTR, R0	
							BEQL	5\$	
65		00		00067	FB	00067	CALLS	#0, EDT\$\$CS_LEFT	: 0755
04		50		0006A	E9	0006A	BLBC	R0, 5\$	
							INCL	SIZE	: 0760
							BRB	3\$	: 0743
							TSTL	SIZE	: 0769
							BLEQ	6\$	
							PUSHL	EDT\$\$A_US_ENT	
64		01		00077	FB	00077	CALLS	#1, EDT\$\$TST_ENTDELIM	
09		50		0007A	E9	0007A	BLBC	R0, 6\$	

EDT\$CHMBEGWRD  
V04-000

EDT\$CHMBEGWRD - search for beginning of word  
EDT\$\$FND\_BWD - search for the beginning of a w

D 10

15-Sep-1984 23:45:12  
14-Sep-1984 12:22:21

VAX-11 Bliss-32 V4.0-742  
[EDT.SRC]CHMBEGWRD.BLI;1

Page 6  
(3)

00000000G	00	52	D7	0007D	DECL	SIZE	
	50	00	FB	0007F	CALLS	#0, EDT\$\$CS_RIGHT	
		52	D0	00086	MOVL	SIZE, R0	
		04	00089	6\$:	RET		

: 0772  
: 0773  
: 0776  
: 0777

: Routine Size: 138 bytes, Routine Base: \_EDT\$CODE + 0000

: 208 0778 1  
: 209 0779 1 !<BLF/PAGE>

: 211 0780 1 END ! of module EDT\$CHMBEGWRD  
 : 212 0781 1  
 : 213 0782 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	138	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	2	0	40	00:00.2
_\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
_\$255\$DUA28:[EDT.SRC]SUPPORTS.L32;1	2	1	50	5	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:CHMBEGWRD/OBJ=OBJ\$:CHMBEGWRD MSRC\$:CHMBEGWRD.BLI/UPDATE=(ENH\$:C  
 HMBEGWRD)

: Size: 138 code + 0 data bytes  
 : Run Time: 00:12.7  
 : Elapsed Time: 00:15.4  
 : Lines/CPU Min: 3706  
 : Lexemes/CPU-Min: 10578  
 : Memory Used: 81 pages  
 : Compilation Complete

