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CCCCCCCC HH   HH   MM   MM   GGGGGGGG CCCCCCCC 000000 UU   UU   NN   NN   TTTTTTTTTT
CCCCCCCC HH   HH   MM   MM   GGGGGGGG CCCCCCCC 000000 UU   UU   NN   NN   TTTTTTTTTT
CC        HH   HH   MMMM MMMM GG        CC        00   00   UU   UU   NN   NN   TT
CC        HH   HH   MMMM MMMM GG        CC        00   00   UU   UU   NN   NN   TT
CC        HH   HH   MM   MM   GG        CC        00   00   UU   UU   NNNN   NN   TT
CC        HH   HH   MM   MM   GG        CC        00   00   UU   UU   NNNN   NN   TT
CC        HHHHHHHHHH MM   MM   GG        CC        00   00   UU   UU   NN   NN   TT
CC        HHHHHHHHHH MM   MM   GG        CC        00   00   UU   UU   NN   NN   TT
CC        HH   HH   MM   MM   GG   GGGGGG CC        00   00   UU   UU   NN   NN   TT
CC        HH   HH   MM   MM   GG   GGGGGG CC        00   00   UU   UU   NN   NN   TT
CC        HH   HH   MM   MM   GG        GG        CC        00   00   UU   UU   NN   NN   TT
CC        HH   HH   MM   MM   GG        GG        CC        00   00   UU   UU   NN   NN   TT
CCCCCCCC HH   HH   MM   MM   GGGGGG CCCCCCCC 000000 UUUUUUUUUU NN   NN   TT
CCCCCCCC HH   HH   MM   MM   GGGGGG CCCCCCCC 000000 UUUUUUUUUU NN   NN   TT

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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
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS

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```
0001 0 %TITLE 'EDT$CHMGCOUNT - look for a repeat or entity count'  
0002 0 MODULE EDT$CHMGCOUNT ( ! Look for a repeat or entity count  
0003 0 IDENT = 'V04-000' ! File: CHMGCOUNT.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 This module looks for a repeat/entity count.  
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$$CHK_CNT from module CHANGE.BLI.  
0046 1 1-002 - Regularize headers. JBS 02-Mar-1981  
0047 1 1-003 - Don't allow repeat counts greater than 32767. JBS 10-Mar-1982  
0048 1 1-004 - Change numeric test. JBS 19-Jul-1982  
0049 1 1-005 - Add conditional for VT220 support. JBS 11-Feb-1983  
0050 1 --  
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 'EDT$SRC:TRAROUNAM';  
59 0496 1  
60 0497 1 FORWARD ROUTINE  
61 0498 1 EDT$CHK_CNT;  
62 0499 1  
63 0500 1 :  
64 0501 1 : INCLUDE FILES:  
65 0502 1 :  
66 0503 1  
67 0504 1 REQUIRE 'EDT$SRC:EDTREQ';  
68 0639 1  
69 0640 1 LIBRARY 'EDT$SRC:SUPPORTS';  
70 0641 1  
71 0642 1 :  
72 0643 1 : MACROS:  
73 0644 1 :  
74 0645 1 : NONE  
75 0646 1 :  
76 0647 1 : EQUATED SYMBOLS:  
77 0648 1 :  
78 0649 1 : NONE  
79 0650 1 :  
80 0651 1 : OWN STORAGE:  
81 0652 1 :  
82 0653 1 : NONE  
83 0654 1 :  
84 0655 1 : EXTERNAL REFERENCES:  
85 0656 1 :  
86 0657 1 : In the routine
```

! Look for a repeat/entity count

```

: 88      0658 1 %SBTTL 'EDT$$CHK_CNT - look for a repeat/entity count'
: 89      0659 1
: 90      0660 1 GLOBAL ROUTINE EDT$$CHK_CNT (                ! Look for a repeat or entity count
: 91      0661 1     COUNT                                ! Where to store count
: 92      0662 1     ) =
: 93      0663 1
: 94      0664 1 |++
: 95      0665 1 | FUNCTIONAL DESCRIPTION:
: 96      0666 1 |
: 97      0667 1 |     This routine looks for a repeat/entity count, and stores it in the
: 98      0668 1 |     formal parameter COUNT.
: 99      0669 1 |
: 100     0670 1 | FORMAL PARAMETERS:
: 101     0671 1 |
: 102     0672 1 |     COUNT                Where to return the value of the count
: 103     0673 1 |
: 104     0674 1 | IMPLICIT INPUTS:
: 105     0675 1 |
: 106     0676 1 |     EDT$$A_CMD_BUF
: 107     0677 1 |
: 108     0678 1 | IMPLICIT OUTPUTS:
: 109     0679 1 |
: 110     0680 1 |     EDT$$A_CMD_BUF
: 111     0681 1 |
: 112     0682 1 | ROUTINE VALUE:
: 113     0683 1 |
: 114     0684 1 |     A value of 1 is returned if an explicit count was seen,
: 115     0685 1 |     0 means no explicit count, COUNT retains its value,
: 116     0686 1 |     2 means the count is invalid.
: 117     0687 1 |
: 118     0688 1 | SIDE EFFECTS:
: 119     0689 1 |
: 120     0690 1 |     NONE
: 121     0691 1 |
: 122     0692 1 | --
: 123     0693 1 |
: 124     0694 2 | BEGIN
: 125     0695 2 |
: 126     0696 2 | EXTERNAL
: 127     0697 2 |     EDT$$A_CMD_BUF                ! Command string pointer
: 128     0698 2 |
: 129     L 0699 2 | %IF SUPPORT_VT220
: 130     0700 2 | %THEN
: 131     0701 2 |
: 132     0702 2 |     EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE] ! Information about characters
: 133     0703 2 | %FI
: 134     0704 2 |
: 135     0705 2 | ;
: 136     0706 2 |
: 137     0707 2 | LOCAL
: 138     0708 2 |     RET VALUE,
: 139     0709 2 |     CHAR,
: 140     0710 2 |     L_COUNT;
: 141     0711 2 |
: 142     0712 2 |     L_COUNT = ..COUNT;
: 143     0713 2 |     CHAR = CH$RCHAR (.EDT$$A_CMD_BUF);
: 144     0714 2 |

```

```

: 145      L 0715  2 %IF SUPPORT_VT220
: 146      0716  2 %THEN
: 147      0717  2
: 148      0718  2     IF (.EDT$$B_CHAR_INFO [.CHAR, 0, 0, 8, 0] NEQ %X'FO')
: 149      0719  2     THEN
: 150      U 0720  2 %ELSE
: 151      U 0721  2
: 152      U 0722  2     IF ((.CHAR LSS %C'0') OR (.CHAR GTR %C'9'))
: 153      U 0723  2     THEN
: 154      0724  2 %FI
: 155      0725  2
: 156      0726  2     RET_VALUE = 0
: 157      0727  2     ELSE
: 158      0728  2     BEGIN
: 159      0729  2     RET_VALUE = 1;
: 160      0730  2     L_COUNT = 0;
: 161      0731  2
: 162      L 0732  2 %IF SUPPORT_VT220
: 163      0733  2 %THEN
: 164      0734  2
: 165      0735  2     WHILE ((.EDT$$B_CHAR_INFO [.CHAR, 0, 0, 8, 0] EQL %X'FO') AND (.RET_VALUE EQL 1)) DO
: 166      U 0736  2 %ELSE
: 167      U 0737  2
: 168      U 0738  2     WHILE (((.CHAR GEQ %C'0') AND (.CHAR LEQ %C'9')) AND (.RET_VALUE EQL 1)) DO
: 169      0739  2 %FI
: 170      0740  2
: 171      0741  2     BEGIN
: 172      0742  2
: 173      0743  2     IF (.L_COUNT GTR 3276)
: 174      0744  2     THEN
: 175      0745  2     RET_VALUE = 2
: 176      0746  2     ELSE
: 177      0747  2     BEGIN
: 178      0748  2     L_COUNT = .L_COUNT*10 + .CHAR - %C'0';
: 179      0749  2     CHAR = CH$A_RCHAR (EDT$$A_CMD_BUF);
: 180      0750  2     END;
: 181      0751  2
: 182      0752  2     IF ((.L_COUNT GTR 32767) OR (.L_COUNT LSS 0)) THEN RET_VALUE = 2;
: 183      0753  2
: 184      0754  2     END;
: 185      0755  2
: 186      0756  2     END;
: 187      0757  2
: 188      0758  2     .COUNT = .L_COUNT;
: 189      0759  2     RETURN (.RET_VALUE);
: 190      0760  1     END;

```

! of routine EDT\$\$CHK\_CNT

.TITLE EDT\$CHMGCOUNT EDT\$CHMGCOUNT - look for a repeat  
or entity cou

.IDENT \V04-000\

.EXTRN EDT\$\$A\_CMD\_BUF, EDT\$\$B\_CHAR\_INFO

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

.ENTRY EDT\$\$CHK\_CNT, Save R2,R3,R4,R5

: 0660

003C 00000

EDT\$CHMGCOUNT  
V04-000

EDT\$CHMGCOUNT - look for a repeat or entity cou  
EDT\$\$CHK\_CNT - look for a repeat/entity count

H 10  
15-Sep-1984 23:57:35  
14-Sep-1984 12:22:31

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

	55	00000000G	00	9E	00002	MOVAB	EDT\$\$B_CHAR_INFO, R5	:		
	54	00000000G	00	9E	00009	MOVAB	EDT\$\$A_CMD_BUF, R4	:		
	50	04	BC	D0	00010	MOVL	@COUNT, L_COUNT	:	0712	
	51		64	D0	00014	MOVL	EDT\$\$A_CMD_BUF, R1	:	0713	
	52		61	9A	00017	MOVZBL	(R1), CHAR	:		
FO	8F		6542	91	0001A	CMPB	EDT\$\$B_CHAR_INFO[CHAR], #240	:	0718	
			04	13	0001F	BEQL	1\$	:		
			53	D4	00021	CLRL	RET_VALUE	:	0726	
			42	11	00023	BRB	6\$	:		
	53		01	D0	00025	1\$:	MOVL	#1, RET_VALUE	:	0729
			50	D4	00028	CLRL	L_COUNT	:	0730	
FO	8F		6542	91	0002A	2\$:	CMPB	EDT\$\$B_CHAR_INFO[CHAR], #240	:	0735
			36	12	0002F	BNEQ	6\$	:		
	01		53	D1	00031	CMPL	RET_VALUE, #1	:		
			31	12	00034	BNEQ	6\$	:		
00000CCC	8F		50	D1	00036	CMPL	L_COUNT, #3276	:	0743	
			05	15	0003D	BLEQ	3\$	:		
	53		02	D0	0003F	MOVL	#2, RET_VALUE	:	0745	
			11	11	00042	BRB	4\$	:		
51	50		0A	C5	00044	3\$:	MULL3	#10, L_COUNT, R1	:	0748
	50		DO A241	9E	00048	MOVAB	-48(CHAR)[R1], L_COUNT	:		
			64	D6	0004D	INCL	EDT\$\$A_CMD_BUF	:	0749	
	51		64	D0	0004F	MOVL	EDT\$\$A_CMD_BUF, R1	:		
	52		61	9A	00052	MOVZBL	(R1), CHAR	:		
00007FFF	8F		50	D1	00055	4\$:	CMPL	L_COUNT, #32767	:	0752
			04	14	0005C	BGTR	5\$	:		
			50	D5	0005E	TSTL	L_COUNT	:		
			C8	18	00060	BGEQ	2\$	:		
	53		02	D0	00062	5\$:	MOVL	#2, RET_VALUE	:	
			C3	11	00065	BRB	2\$	:	0735	
04	BC		50	D0	00067	6\$:	MOVL	L_COUNT, @COUNT	:	0758
	50		53	D0	0006B	MOVL	RET_VALUE, R0	:	0759	
			04	0006E	RET			:	0760	

; Routine Size: 111 bytes, Routine Base: \_EDT\$CODE + 0000

; 191 0761 1  
; 192 0762 1 !<BLF/PAGE>

: 194 0763 1 END ! of module EDT\$\$CHMGCOUNT  
 : 195 0764 1  
 : 196 0765 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	111	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	0	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\$:CHMGCOUNT/OBJ=OBJ\$:CHMGCOUNT MSRC\$:CHMGCOUNT.BLI/UPDATE=(ENH\$:CHMGCOUNT)

: Size: 111 code + 0 data bytes  
 : Run Time: 00:11.9  
 : Elapsed Time: 00:15.5  
 : Lines/CPU Min: 3866  
 : Lexemes/CPU-Min: 11337  
 : Memory Used: 73 pages  
 : Compilation Complete



CHMFINENT LIS	CHMINIT LIS				
CHMGOUNT LIS	CHMGINSTR LIS	CHMGSUSTR LIS	CHMINSMOD LIS		
CHMEMESS LIS	CHMINSTAB LIS				
CHMENTRM LIS	CHMGBUF LIS	CHMINSCHR LIS			
CHMEXVERB LIS	CHMFINSTR LIS	CHMGDTR LIS	CHMGQSTR LIS	CHMHLKPD LIS	CHMINDATE LIS
CHMENDWRD LIS	CHMINSSTR LIS	CHMKEYWRD LIS			
CHMEXCOM LIS					