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```

0001 0 %TITLE 'EDTSSCRNEWDEL - delete a line from the screen'
0002 0 MODULE EDTSSCRNEWDEL ( ! delete a line from the screen
0003 0 IDENT = 'V04-000' ! File: SCRNEWDEL.BLI Edit: JBS1007
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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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 updates the screen information data structure to
0037 1 reflect the deletion of a line.
0038 1
0039 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0040 1
0041 1 AUTHOR: Sharon M. Burlingame, CREATION DATE: September 15, 1982
0042 1
0043 1 MODIFIED BY:
0044 1
0045 1 1-001 - Original. SMB 15-Sep-1982.
0046 1 1-002 - Fix up the original to conform to new design. SMB 10-Oct-1982
0047 1 1-003 - Add more code to remove existing bugs. SMB 26-Oct-1982
0048 1 1-004 - Change updating of the screen pointers. JBS 29-Oct-1982
0049 1 1-005 - Don't set the rebuild flag. JBS 03-Jan-1983
0050 1 1-006 - Also invalidate EDTSSA_CSR SCRPTIR if it is deleted. JBS 20-May-1983
0051 1 1-007 - Improve the appearance of the listing. JBS 17-Jun-1983
0052 1 --
0053 1

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.. 55      0054 1 %SBTTL 'Declarations'  
.. 56      0055 1  
.. 57      0056 1 : TABLE OF CONTENTS:  
.. 58      0057 1 :  
.. 59      0058 1  
.. 60      0059 1 REQUIRE 'EDTSRC:TRAROUNAM';  
.. 61      0498 1  
.. 62      0499 1 FORWARD ROUTINE  
.. 63      0500 1     EDT$$$SC_LNDEL : NOVALUE;  
.. 64      0501 1  
.. 65      0502 1 :  
.. 66      0503 1 : INCLUDE FILES:  
.. 67      0504 1 :  
.. 68      0505 1  
.. 69      0506 1 REQUIRE 'EDTSRC:EDTREQ';  
.. 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
```

```

88 0658 1 %SBTTL 'EDT$$$SC_LNDEL - delete a line from the screen'
89 0659 1
90 0660 1 GLOBAL ROUTINE EDT$$$SC_LNDEL (           ! Delete a line from the screen
91 0661 1   SCRPTR                                   ! Screen pointer to delete
92 0662 1   ) : NOVALUE =
93 0663 1
94 0664 1   **
95 0665 1   FUNCTIONAL DESCRIPTION:
96 0666 1
97 0667 1       Update the screen line information structure by
98 0668 1       releasing the memory to the pool of available storage.
99 0669 1       Update various screen line pointers as necessary.
100 0670 1
101 0671 1   FORMAL PARAMETERS:
102 0672 1
103 0673 1       NONE
104 0674 1
105 0675 1   IMPLICIT INPUTS:
106 0676 1
107 0677 1       EDT$$$G_MEM_CNT
108 0678 1       EDT$$$A_BOT_SCRPTR
109 0679 1       EDT$$$A_EOB_SCRPTR
110 0680 1       EDT$$$A_TOP_SCRPTR
111 0681 1       EDT$$$A_FST_AVLN
112 0682 1       EDT$$$A_FST_SCRPTR
113 0683 1       EDT$$$A_LST_SCRPTR
114 0684 1       EDT$$$A_CSR_SCRPTR
115 0685 1       EDT$$$L_CUR_SCRLN
116 0686 1
117 0687 1   IMPLICIT OUTPUTS:
118 0688 1
119 0689 1       EDT$$$G_MEM_CNT
120 0690 1       EDT$$$A_BOT_SCRPTR
121 0691 1       EDT$$$A_EOB_SCRPTR
122 0692 1       EDT$$$A_TOP_SCRPTR
123 0693 1       EDT$$$A_FST_AVLN
124 0694 1       EDT$$$A_FST_SCRPTR
125 0695 1       EDT$$$A_LST_SCRPTR
126 0696 1       EDT$$$A_CSR_SCRPTR
127 0697 1       EDT$$$L_CUR_SCRLN
128 0698 1
129 0699 1   ROUTINE VALUE:
130 0700 1
131 0701 1       NONE
132 0702 1
133 0703 1   SIDE EFFECTS:
134 0704 1
135 0705 1       NONE
136 0706 1
137 0707 1   --
138 0708 1
139 0709 2   BEGIN
140 0710 2
141 0711 2   EXTERNAL
142 0712 2       EDT$$$G_MEM_CNT,           ! Allocated memory count
143 0713 2       EDT$$$A_BOT_SCRPTR : REF SCREEN_LINE, ! Bottom screen pointer
144 0714 2       EDT$$$A_EOB_SCRPTR : REF SCREEN_LINE, ! EOB screen pointer

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```
145 0715 2      EDTSSA_TOP_SCRPTR : REF SCREEN_LINE,      ! Top screen pointer
146 0716 2      EDTSSA_CSR_SCRPTR : REF SCREEN_LINE,      ! Current screen pointer
147 0717 2      EDTSSA_FST_AVLN : REF SCREEN_LINE,      ! First available screen info memory
148 0718 2      EDTSSA_FST_SCRPTR : REF SCREEN_LINE,      ! Pointer to first screen line info
149 0719 2      EDTSSA_LST_SCRPTR : REF SCREEN_LINE;      ! Pointer to last screen line info
150 0720
151 0721 2      MAP
152 0722 2      SCRPTR : REF SCREEN_LINE;                  ! Screen pointer parameter
153 0723
154 0724 2      LOCAL
155 0725 2      NXT_ADDR : REF SCREEN_LINE,              ! Address of next line info
156 0726 2      PREV_ADDR : REF SCREEN_LINE;            ! Address of previous line info
157 0727
158 0728 2      !+
159 0729 2      !- Find the next and previous pointers of the line being deleted.
160 0730
161 0731 2      NXT_ADDR = .SCRPTR [SCR NXT_LINE];
162 0732 2      PREV_ADDR = .SCRPTR [SCR PRV_LINE];
163 0733 2      !+
164 0734 2      !- Check for deleting the first line of the screen data base.
165 0735
166 0736 2      IF (.EDTSSA_FST_SCRPTR EQLA .SCRPTR)
167 0737 2      THEN
168 0738 2      BEGIN
169 0739 2      EDTSSA_FST_SCRPTR = .NXT_ADDR;
170 0740 2      EDTSSA_FST_SCRPTR [SCR_PRV_LINE] = 0;
171 0741 2      END;
172 0742
173 0743 2      !+
174 0744 2      !- Check for deleting the last line of the screen data base.
175 0745
176 0746 2      IF (.SCRPTR EQLA .EDTSSA_LST_SCRPTR)
177 0747 2      THEN
178 0748 2      BEGIN
179 0749 2      EDTSSA_LST_SCRPTR = .PREV_ADDR;
180 0750 2      EDTSSA_LST_SCRPTR [SCR NXT_LINE] = 0;
181 0751 2      END;
182 0752
183 0753 2      !+
184 0754 2      !- Check for EOB deleted off the screen
185 0755
186 0756 2      IF (.EDTSSA_EOB_SCRPTR EQLA .SCRPTR) THEN EDTSSA_EOB_SCRPTR = 0;
187 0757
188 0758 2      !+
189 0759 2      !- Check for deleting the top line from the data base.
190 0760
191 0761 2      IF (.EDTSSA_TOP_SCRPTR EQLA .SCRPTR) THEN EDTSSA_TOP_SCRPTR = 0;
192 0762
193 0763 2      !+
194 0764 2      !- Check for deleting the bottom line from the data base.
195 0765
196 0766 2      IF (.EDTSSA_BOT_SCRPTR EQLA .SCRPTR) THEN EDTSSA_BOT_SCRPTR = 0;
197 0767
198 0768
199 0769
200 0770
201 0771
```

```
202 0772 2
203 0773 2
204 0774 2 :+ Check for deleting the current line from the data base. This will likely
205 0775 2 : cause the screen data base to get rebuilt.
206 0776 2 :-
207 0777 2
208 0778 2 IF (.EDT$$A_CSR_SCRPTR EQLA .SCRPTR) THEN EDT$$A_CSR_SCRPTR = 0;
209 0779 2
210 0780 2 :+
211 0781 2 : Fix up the previous and next pointers.
212 0782 2 :-
213 0783 2
214 0784 2 IF (.PREV_ADDR NEQA 0) THEN PREV_ADDR [SCR_NXT_LINE] = .NXT_ADDR;
215 0785 2
216 0786 2 IF (.NXT_ADDR NEQA 0) THEN NXT_ADDR [SCR_PRV_LINE] = .PREV_ADDR;
217 0787 2
218 0788 2 :+
219 0789 2 : The line being deleted is indicated by SCRPTR. If there
220 0790 2 : are no screen line buffers in the free list, then start
221 0791 2 : a new list; otherwise add the memory to the front of the current list.
222 0792 2 :-
223 0793 2 SCRPTR [SCR_NXT_LINE] = .EDT$$A_FST_AVLN;
224 0794 2 SCRPTR [SCR_PRV_LINE] = -1; ! For debugging
225 0795 2 EDT$$A_FST_AVLN = .SCRPTR;
226 0796 2 EDT$$G_MEM_CNT = .EDT$$G_MEM_CNT - 1;
227 0797 2 :+
228 0798 2 : Make sure the counter agrees with the data base.
229 0799 2 :-
230 0800 2
231 0801 2 IF 0
232 0802 2 THEN
233 0803 2 BEGIN
234 0804 2
235 0805 2 LOCAL
236 0806 2 COUNT,
237 0807 2 SCRPTR1 : REF SCREEN_LINE,
238 0808 2 SCRPTR2 : REF SCREEN_LINE;
239 0809 2
240 0810 2 COUNT = 0;
241 0811 2 SCRPTR1 = .EDT$$A_FST_SCRPTR;
242 0812 2 ASSERT (.SCRPTR1 [SCR_PRV_LINE] EQL 0);
243 0813 2
244 0814 2 WHILE (.SCRPTR1 NEQA 0) DO
245 0815 2 BEGIN
246 0816 2 COUNT = .COUNT + 1;
247 0817 2 SCRPTR2 = .SCRPTR1;
248 0818 2 SCRPTR1 = .SCRPTR1 [SCR_NXT_LINE];
249 0819 2
250 0820 2 IF (.SCRPTR1 NEQA 0)
251 0821 2 THEN
252 0822 2 BEGIN
253 0823 2 ASSERT (.SCRPTR1 [SCR_PRV_LINE] EQLA .SCRPTR2);
254 0824 2 ASSERT (.SCRPTR1 NEQA .EDT$$A_FST_SCRPTR);
255 0825 2 END;
256 0826 2
257 0827 2 END;
258 0828 2
```

```

: 259 0829 3 ASSERT (.SCRPTR2 EQLA .EDT$SA_LST_SCRPTR);
: 260 0830 3 ASSERT (.COUNT EQL .EDT$G_MEM_CNT);
: 261 0831 2 END;
: 262 0832 2
: 263 0833 1 END;

```

! of routine EDT\$\$\$SC\_LNDEL

```

.TITLE EDT$SCRNEWDEL EDT$SCRNEWDEL - delete a line fro
m the screen
.IDENT \V04-000\
.EXTRN EDT$G_MEM_CNT, EDT$SA_BOT_SCRPTR
.EXTRN EDT$SA_EOB_SCRPTR
.EXTRN EDT$SA_TOP_SCRPTR
.EXTRN EDT$SA_CSR_SCRPTR
.EXTRN EDT$SA_FST_AVLN
.EXTRN EDT$SA_FST_SCRPTR
.EXTRN EDT$SA_LST_SCRPTR
.EXTRN EDT$SINTER_ERR
.PSECT _EDT$CODE,NOWRT, SHR, PIC,2
.ENTRY EDT$$$SC_LNDEL, Save R2,R3,R4,R5,R6,R7,R8,- : 0660
R9,R10
5A 00000000G 00 9E 00002 MOVAB EDT$SA_FST_AVLN, R10
59 00000000G 00 9E 00009 MOVAB EDT$SA_CSR_SCRPTR, R9
58 00000000G 00 9E 00010 MOVAB EDT$SA_BOT_SCRPTR, R8
57 00000000G 00 9E 00017 MOVAB EDT$SA_TOP_SCRPTR, R7
56 00000000G 00 9E 0001E MOVAB EDT$SA_EOB_SCRPTR, R6
55 00000000G 00 9E 00025 MOVAB EDT$SA_FST_SCRPTR, R5
54 00000000G 00 9E 0002C MOVAB EDT$SA_LST_SCRPTR, R4
51 04 AC D0 00033 MOVL SCRPTR, R1 : 0731
52 61 7D 00037 MOVQ (R1), PREV_ADDR : 0732
51 65 D1 0003A CMPL EDT$SA_FST_SCRPTR, R1 : 0737
08 12 0003D BNEQ 1$ :
65 53 D0 0003F MOVL NXT_ADDR, EDT$SA_FST_SCRPTR : 0740
50 65 D0 00042 MOVL EDT$SA_FST_SCRPTR, R0 : 0741
60 D4 00045 CLRL (R0) :
64 51 D1 00047 1$: CMPL R1, EDT$SA_LST_SCRPTR : 0748
09 12 0004A BNEQ 2$ :
64 52 D0 0004C MOVL PREV_ADDR, EDT$SA_LST_SCRPTR : 0751
50 64 D0 0004F MOVL EDT$SA_LST_SCRPTR, R0 : 0752
04 A0 D4 00052 CLRL 4(R0) :
51 66 D1 00055 2$: CMPL EDT$SA_EOB_SCRPTR, R1 : 0759
02 12 00058 BNEQ 3$ :
66 D4 0005A CLRL EDT$SA_EOB_SCRPTR :
51 67 D1 0005C 3$: CMPL EDT$SA_TOP_SCRPTR, R1 : 0765
02 12 0005F BNEQ 4$ :
67 D4 00061 CLRL EDT$SA_TOP_SCRPTR :
51 68 D1 00063 4$: CMPL EDT$SA_BOT_SCRPTR, R1 : 0771
02 12 00066 BNEQ 5$ :
68 D4 00068 CLRL EDT$SA_BOT_SCRPTR :
51 69 D1 0006A 5$: CMPL EDT$SA_CSR_SCRPTR, R1 : 0778
02 12 0006D BNEQ 6$ :
69 D4 0006F CLRL EDT$SA_CSR_SCRPTR :
52 D5 00071 6$: TSTL PREV_ADDR : 0784
04 13 00073 BEQL 7$ :

```



EDT\$SCRNEWDEL  
V04-000

EDT\$SCRNEWDEL - delete a line from the screen  
EDT\$SSC\_LNDEL - delete a line from the screen

F 5  
16-Sep-1984 01:37:42  
14-Sep-1984 12:24:34

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

Page 7  
(3)

EDT  
V04

04	A2	53	D0	00075	MOVL	NXT_ADDR, 4(PREV_ADDR)
		53	D5	00079	TSTL	NXT_ADDR
		03	13	0007B	BEQL	8\$
	63	52	D0	0007D	MOVL	PREV_ADDR, (NXT_ADDR)
04	A1	6A	D0	00080	MOVL	EDT\$SA_FST_AVLN, 4(R1)
	61	01	CE	00084	MNEGL	#1, (RT)
	6A	51	D0	00087	MOVL	R1, EDT\$SA_FST_AVLN
	00000000G	00	D7	0008A	DECL	EDT\$SG_MEM_CNT
		04	D0	00090	RET	

0786  
0793  
0794  
0795  
0796  
0833

: Routine Size: 145 bytes, Routine Base: \_EDT\$CODE + 0000

: 264 0834 1  
: 265 0835 1 !<BLF/PAGE>

EDT\$SCRNEWDEL  
V04-000

EDT\$SCRNEWDEL - delete a line from the screen  
EDT\$SSC\_LNDEL - delete a line from the screen

G 5  
16-Sep-1984 01:37:42  
14-Sep-1984 12:24:34

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

: 267 0836 1 END  
: 268 0837 1  
: 269 0838 0 ELUDOM

! of module EDT\$SCRNEWDEL

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	145	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	12	3	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\$:SCRNEWDEL/OBJ=OBJ\$:SCRNEWDEL MSRC\$:SCRNEWDEL.BLI/UPDATE=(ENHS:S  
(RNEWDEL))

: Size: 145 code + 0 data bytes  
: Run Time: 00:14.8  
: Elapsed Time: 00:19.6  
: Lines/CPU Min: 3390  
: Lexemes/CPU-Min: 12133  
: Memory Used: 98 pages  
: Compilation Complete

