


```

LL      NN      NN      000000  NN      NN      CCCCCCCC  TTTTTTTTTT  GGGGGGGG
LL      NN      NN      000000  NN      NN      CCCCCCCC  TTTTTTTTTT  GGGGGGGG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LL      NN      NN      00      00  NN      NN      CC      TT      GG
LLLLLLLLLLLL  NN      NN      000000  NN      NN      CCCCCCCC  TT      GG
LLLLLLLLLLLL  NN      NN      000000  NN      NN      CCCCCCCC  TT      GG

```

```

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
LLLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLLL  IIIIII  SSSSSSSS

```

....
....
....



```

1 0001 0 %TITLE 'EDT$LNONCTG - test for non-contiguous range'
2 0002 0 MODULE EDT$LNONCTG ( ! Test for non-contiguous range
3 0003 0 IDENT = 'V04-000' ! File: LNONCTG.BLI Edit: JBS1004
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 Test for a non-contiguous range.
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 3, 1978
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1 1-001 - Original. DJS 10-MAR-81. This module was created by
45 0045 1 extracting the routine EDT$$TST_NONCNTGRNG from EXEC.BLI.
46 0046 1 1-002 - Regularize headers. JBS 20-Mar-1981
47 0047 1 1-003 - Use new message codes. JBS 04-Aug-1981
48 0048 1 1-004 - Improve the appearance of the listing. JBS 14-Jun-1983
49 0049 1 --
50 0050 1

```

```
.. 52 0051 1 %SBTTL 'Declarations'  
.. 53 0052 1  
.. 54 0053 1 : TABLE OF CONTENTS:  
.. 55 0054 1 :  
.. 56 0055 1  
.. 57 0056 1 REQUIRE 'EDTSRC:TRAROUNAM';  
.. 58 0495 1  
.. 59 0496 1 FORWARD ROUTINE  
.. 60 0497 1 EDT$TST_NONCNTGRNG;  
.. 61 0498 1  
.. 62 0499 1 :  
.. 63 0500 1 : INCLUDE FILES:  
.. 64 0501 1 :  
.. 65 0502 1  
.. 66 0503 1 REQUIRE 'EDTSRC:EDTREQ';  
.. 67 0638 1  
.. 68 0639 1 :  
.. 69 0640 1 : MACROS:  
.. 70 0641 1 :  
.. 71 0642 1 : NONE  
.. 72 0643 1 :  
.. 73 0644 1 : EQUATED SYMBOLS:  
.. 74 0645 1 :  
.. 75 0646 1 : NONE  
.. 76 0647 1 :  
.. 77 0648 1 : OWN STORAGE:  
.. 78 0649 1 :  
.. 79 0650 1 : NONE  
.. 80 0651 1 :  
.. 81 0652 1 : EXTERNAL REFERENCES:  
.. 82 0653 1 :  
.. 83 0654 1 : In the routine
```

```
85 0655 1 %SBTTL 'EDT$$TST_NONCNTGRNG - test for non-contiguous range'
86 0656 1
87 0657 1 GLOBAL ROUTINE EDT$$TST_NONCNTGRNG (          ! Test for non-contiguous range
88 0658 1     RANGE                                     ! The range to test
89 0659 1     ) =
90 0660 1
91 0661 1 !++
92 0662 1 | FUNCTIONAL DESCRIPTION:
93 0663 1 |
94 0664 1 |     This routine takes a range node and determines whether or not it
95 0665 1 |     defines a contiguous range. The range is non-contiguous if it is
96 0666 1 |     a ALL or if the next range field is non-zero, indicating and AND.
97 0667 1 |
98 0668 1 | FORMAL PARAMETERS:
99 0669 1 |
100 0670 1 |     RANGE          The range to test
101 0671 1 |
102 0672 1 | IMPLICIT INPUTS:
103 0673 1 |
104 0674 1 |     NONE
105 0675 1 |
106 0676 1 | IMPLICIT OUTPUTS:
107 0677 1 |
108 0678 1 |     NONE
109 0679 1 |
110 0680 1 | ROUTINE VALUE:
111 0681 1 |
112 0682 1 |     0 = range is contiguous, 1 = range is non-contiguous
113 0683 1 |
114 0684 1 | SIDE EFFECTS:
115 0685 1 |
116 0686 1 |     Prints a message if the range is non-contiguous.
117 0687 1 |     Calls itself recursively if the range refers to a buffer.
118 0688 1 |
119 0689 1 | --
120 0690 1 |
121 0691 2 | BEGIN
122 0692 2 |
123 0693 2 | EXTERNAL ROUTINE
124 0694 2 |     EDT$$FMT_MSG;
125 0695 2 |
126 0696 2 | MESSAGES ((RANNONCON));
127 0697 2 |
128 0698 2 | MAP
129 0699 2 |     RANGE : REF NODE_BLOCK;
130 0700 2 |
131 0701 3 | IF ((.RANGE [RAN_TYPE] EQL RAN_ALL) OR (.RANGE [NEXT_RANGE] NEQ 0))
132 0702 3 | THEN
133 0703 3 |     BEGIN
134 0704 3 |         EDT$$FMT_MSG (EDT$_RANNONCON);
135 0705 3 |         RETURN (T);
136 0706 3 |     END
137 0707 2 | ELSE
138 0708 2 | !+
139 0709 2 | | If is is a buffer range, we better look at the range below it.
140 0710 2 | |
141 0711 2 | |
```

```

: 142      0712 3      IF (.RANGE [RAN_TYPE] EQL RAN_BUFFER)
: 143      0713 2      THEN
: 144      0714 3      RETURN (EDT$$TST_NONCNTGRNG (.RANGE [RANGE1]))
: 145      0715 2      ELSE
: 146      0716 2      RETURN (0);
: 147      0717 2
: 148      0718 1      END;

```

! of routine EDT\$\$TST_NONCNTGRNG

```

.TITLE EDT$LNONCTG EDT$LNONCTG - test for non-contiguo
       us range
.IDENT \V04-000\
.EXTRN EDT$$FMT_MSG, EDT$_RANNONCON
.PSECT _EDT$CODE,NOWRT, SHR, PIC,2

```

				0004	00000	
	52	04	AC	D0	00002	
	13	01	A2	91	00006	
			05	13	0000A	
		10	A2	D5	0000C	
			11	13	0000F	
		00000000G	8F	DD	00011	1\$:
0C000000G	00		01	FB	00017	
	50		01	D0	0001E	
				04	00021	
	0D	01	A2	91	00022	2\$:
			08	12	00026	
		04	A2	DD	00028	
D1	AF		01	FB	0002B	
				04	0002F	
			50	D4	00030	3\$:
				04	00032	

.ENTRY	EDT\$\$TST_NONCNTGRNG, Save R2	: 0657
MOVL	RANGE, R2	: 0701
CMPB	1(R2), #19	
BEQL	1\$	
TSTL	16(R2)	
BEQL	2\$	
PUSHL	#EDT\$_RANNONCON	: 0704
CALLS	#1, EDT\$\$FMT_MSG	
MOVL	#1, R0	: 0712
RET		
CMPB	1(R2), #13	
BNEQ	3\$	
PUSHL	4(R2)	: 0714
CALLS	#1, EDT\$\$TST_NONCNTGRNG	
RET		
CLRL	R0	: 0716
RET		: 0718

: Routine Size: 51 bytes, Routine Base: _EDT\$CODE + 0000

```

: 149      0719 1
: 150      0720 1 !<BLF/PAGE>

```

EDT\$LNONCTG
V04-000

EDT\$LNONCTG - test for non-contiguous range
EDT\$\$TST_NONCNTGRNG - test for non-contiguous

f 5
16-Sep-1984 00:53:50
14-Sep-1984 12:23:37

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LNONCTG.BLI;1 Page 5 (4)

ED
VC

: 152 0721 1 END
: 153 0722 1
: 154 0723 0 ELUDOM

. of module EDT\$LNONCTG

PSECT SUMMARY

Name Bytes Attributes
_EDT\$CODE 51 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	52	13	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\$:LNONCTG/OBJ=OBJ\$:LNONCTG MSRC\$:LNONCTG.BLI/UPDATE=(ENH\$:LNONCTG)

: Size: 51 code + 0 data bytes
: Run Time: 00:10.0
: Elapsed Time: 00:13.2
: Lines/CPU Min: 4333
: Lexemes/CPU-Min: 12953
: Memory Used: 68 pages
: Compilation Complete

