


```
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      NNNN      NN      00      00      NNNN      NN      CC      TT      GG
LL      NNNN      NN      00      00      NNNN      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      GGGGGG
LLLLLLLLLLLL      NN      NN      000000      NN      NN      CCCCCCCC      TT      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
LL      IIIIII      SSSSSSSS
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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25 0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
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$$FMT_MSG;
:125 0695 2 |
:126 0696 2 | MESSAGES ((RANNONCON));
:127 0697 2 |
:128 0698 2 | MAP
:129 0699 2 |     RANGE : REF NODE_BLOCK;
:130 0700 2 |
:131 0701 2 | IF ((.RANGE [RAN_TYPE] EQL RAN_ALL) OR (.RANGE [NEXT_RANGE] NEQ 0))
:132 0702 2 | THEN
:133 0703 2 |     BEGIN
:134 0704 2 |     EDT$$FMT_MSG (EDT$_RANNONCON);
:135 0705 2 |     RETURN (T);
:136 0706 2 |     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 | |
```

EDT\$NONCTG
V04-000

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

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

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DISK\$VMSMASTER:[EDT.SRC]LNONCTG.BLI;1 Page 4 (3)

```

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

```

! of routine EDT\$\$TST_NONCNTGRNG

.TITLE EDT\$NONCTG EDT\$NONCTG - test for non-contiguous range

.IDENT \V04-000\

.EXTRN EDT\$\$FMT_MSG, EDT\$_RANNONCON

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

.ENTRY EDT\$\$TST_NONCNTGRNG, Save R2

```

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

```

```

MOV      RANGE, R2      : 0657
CMPB     1(R2), #19     : 0701
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\$VMMASTER:[EDT.SRC]LNONCTG.BLI;1

Page 5
(4)

: 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

