

```

EEEEEEEEEEEEEEEE   DDDDDDDDDDDDD   TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDDDD   TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE   DDDDDDDDDDDDD   TTTTTTTTTTTTTTT
EEE                 DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEEEEEEEEEEEEEEE   DDD              DDD              TTT
EEEEEEEEEEEEEEEE   DDD              DDD              TTT
EEEEEEEEEEEEEEEE   DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEE                 DDD              DDD              TTT
EEEEEEEEEEEEEEEE   DDD              DDD              TTT
EEEEEEEEEEEEEEEE   DDD              DDD              TTT
EEEEEEEEEEEEEEEE   DDD              DDD              TTT

```

```

ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
SY
LI

```

```

PPPPPPPP  RRRRRRRR  NN      NN  UU      UU  MM      MM  RRRRRRRR  AAAAAA  NN      NN
PPPPPPPP  RRRRRRRR  NN      NN  UU      UU  MM      MM  RRRRRRRR  AAAAAA  NN      NN
PP      PP  RR      RR  NN      NN  UU      UU  MMMM  MMMM  RR      RR  AA      AA  NN      NN
PP      PP  RR      RR  NN      NN  UU      UU  MMMM  MMMM  RR      RR  AA      AA  NN      NN
PP      PP  RR      RR  NNNN   NN  UU      UU  MM  MM  RR      RR  AA      AA  NNNN   NN
PP      PP  RR      RR  NNNN   NN  UU      UU  MM  MM  RR      RR  AA      AA  NNNN   NN
PPPPPPPP  RRRRRRRR  NN  NN  NN  UU      UU  MM      MM  RRRRRRRR  AA      AA  NN  NN  NN
PPPPPPPP  RRRRRRRR  NN  NN  NN  UU      UU  MM      MM  RRRRRRRR  AA      AA  NN  NN  NN
PP      RR  RR      NN      NNNN  UU      UU  MM      MM  RR  RR  AAAAAAAAAA  NN  NNNN
PP      RR  RR      NN      NNNN  UU      UU  MM      MM  RR  RR  AAAAAAAAAA  NN  NNNN
PP      RR  RR      NN      NN  UU      UU  MM      MM  RR  RR  AA      AA  NN  NN
PP      RR  RR      NN      NN  UU      UU  MM      MM  RR  RR  AA      AA  NN  NN
PP      RR  RR      NN      NN  UUUUUUUUUU  MM      MM  RR      RR  AA      AA  NN  NN
PP      RR  RR      NN      NN  UUUUUUUUUU  MM      MM  RR      RR  AA      AA  NN  NN

```

```

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
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```

.....

.....

.....

.....

.....



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49

```

0001 0 %TITLE 'EDT$PRNUMRAN - create a range node'
0002 0 MODULE EDT$PRNUMRAN ( ! Create a range node
0003 0 IDENT = 'V04-000' ! File: PRNUMRAN.BLI Edit: JBS1003
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
0010 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
0011 1 * ALL RIGHTS RESERVED. *
0012 1 *
0013 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
0014 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
0015 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
0016 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
0017 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
0018 1 * TRANSFERRED. *
0019 1 *
0020 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
0021 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
0022 1 * CORPORATION. *
0023 1 *
0024 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
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 Create a range node with one numeric value.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: December 12, 1978
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 25-Feb-1981. This module was created by
0045 1 extracting routine NUM_RANGE from module PARSER.
0046 1 1-002 - Regularize headers. JBS 12-Mar-1981
0047 1 1-003 - Improve the appearance of the listing. JBS 17-Jun-1983
0048 1 --
0049 1

```

EDT\$PRNUMRAN  
V04-000

EDT\$PRNUMRAN - create a range node  
Declarations

E 2  
16-Sep-1984 01:20:06  
14-Sep-1984 12:24:10

VAX-11 Bliss-32 V4.0-742  
DISK\$VMMASTER:[EDT.SRC]PRNUMRAN.BLI;1 Page 2 (2)

```
: 51 0050 1 %SBTTL 'Declarations'
: 52 0051 1
: 53 0052 1 | TABLE OF CONTENTS:
: 54 0053 1 |
: 55 0054 1
: 56 0055 1 REQUIRE 'EDTSRC:TRAROUNAM';
: 57 0494 1
: 58 0495 1 FORWARD ROUTINE
: 59 0496 1 EDT$SPA_CRERNGNOD;
: 60 0497 1
: 61 0498 1 |
: 62 0499 1 | INCLUDE FILES:
: 63 0500 1 |
: 64 0501 1
: 65 0502 1 REQUIRE 'EDTSRC:EDTREQ';
: 66 0637 1
: 67 0638 1 REQUIRE 'EDTSRC:PARLITS';
: 68 0922 1
: 69 0923 1 |
: 70 0924 1 | MACROS:
: 71 0925 1 |
: 72 0926 1 | NONE
: 73 0927 1 |
: 74 0928 1 | EQUATED SYMBOLS:
: 75 0929 1 |
: 76 0930 1 | NONE
: 77 0931 1 |
: 78 0932 1 | OWN STORAGE:
: 79 0933 1 |
: 80 0934 1 | NONE
: 81 0935 1 |
: 82 0936 1 | EXTERNAL REFERENCES:
: 83 0937 1 |
: 84 0938 1 | In the routine
```



```

: 86 0939 1 %SBTTL 'EDT$$PA_CRERNGNOD - create a range node'
: 87 0940 1
: 88 0941 1 GLOBAL ROUTINE EDT$$PA_CRERNGNOD (           ! Create a range node
: 89 0942 1   RANTYP                                     ! Type of range
: 90 0943 1   ) =
: 91 0944 1
: 92 0945 1 |++
: 93 0946 1 | FUNCTIONAL DESCRIPTION:
: 94 0947 1 |
: 95 0948 1 |     Create a range node of the type which has one numeric value.
: 96 0949 1 |
: 97 0950 1 | FORMAL PARAMETERS:
: 98 0951 1 |
: 99 0952 1 |   RANTYP                Type of range
:100 0953 1 |
:101 0954 1 | IMPLICIT INPUTS:
:102 0955 1 |
:103 0956 1 |     EDT$$Z_PA_CURRNG
:104 0957 1 |
:105 0958 1 | IMPLICIT OUTPUTS:
:106 0959 1 |
:107 0960 1 |     EDT$$Z_PA_CURRNG
:108 0961 1 |
:109 0962 1 | ROUTINE VALUE:
:110 0963 1 |
:111 0964 1 |     0 = unable to create the range node
:112 0965 1 |     1 = range node created
:113 0966 1 |
:114 0967 1 | SIDE EFFECTS:
:115 0968 1 |
:116 0969 1 |     NONE
:117 0970 1 |
:118 0971 1 | --
:119 0972 1 |
:120 0973 2 | BEGIN
:121 0974 2 |
:122 0975 2 | EXTERNAL ROUTINE
:123 0976 2 |     EDT$$PA_NEW_NOD;           ! Create a semantic node
:124 0977 2 |
:125 0978 2 | EXTERNAL
:126 0979 2 |     EDT$$Z_PA_CURRNG : REF NODE_BLOCK; ! the current range node
:127 0980 2 |
:128 0981 2 | LOCAL
:129 0982 2 |     NEWRANGE : REF NODE_BLOCK;
:130 0983 2 |
:131 0984 2 | IF ((NEWRANGE = EDT$$PA_NEW_NOD ()) EQL 0) THEN RETURN (0);
:132 0985 2 |
:133 0986 2 | EDT$$CPY MEM (NODE_SIZE, .EDT$$Z_PA_CURRNG, .NEWRANGE);
:134 0987 2 | EDT$$Z_PA_CURRNG [SUB_RANGE] = .NEWRANGE;
:135 0988 2 | EDT$$Z_PA_CURRNG [RAN_TYPE] = .RANTYP;
:136 0989 2 | EDT$$Z_PA_CURRNG [RAN_VAL] = 1;
:137 0990 2 | RETURN (1);
:138 0991 1 | END;                                     ! of routine EDT$$PA_CRERNGNOD

```

```

.TITLE EDT$PRNUMRAN EDT$PRNUMRAN - create a range node
.IDENT \V04-000\

```

```

                                .EXTRN EDT$$PA_NEW_NOD
                                .EXTRN EDT$$Z_PA_CURRNG
                                .PSECT _EDT$CODE,NOWRT, SHR, PIC,2
                                .ENTRY EDT$$PA_CRERNGNOD, Save R2,R3,R4,R5,R6,R7 : 0941
00000000G 00 00FC 00000 CALLS #0, EDT$$PA_NEW_NOD : 0984
                                50 D0 00009 MOVL R0, NEWRANGE
                                1C 13 0000C BEQL 1$
67 56 00000000G 00 D0 0000E MOVL EDT$$Z_PA_CURRNG, R6 : 0986
                                66 20 28 00015 MOVC3 #32, (R6), (NEWRANGE)
                                08 A6 57 D0 00019 MOVL NEWRANGE, 8(R6) : 0987
                                01 A6 04 AC 90 0001D MOVB RANTYP, 1(R6) : 0988
                                04 A6 01 D0 00022 MOVL #1, 4(R6) : 0989
                                50 04 00026 MOVL #1, R0 : 0990
                                04 00029 RET
                                50 D4 0002A 1$: CLRL R0 : 0991
                                04 0002C RET

```

; Routine Size: 45 bytes, Routine Base: \_EDT\$CODE + 0000

; 139 0992 1  
; 140 0993 1 !<BLF/PAGE>



EDT\$PRNUMRAN  
V04-000

EDT\$PRNUMRAN - create a range node  
EDT\$\$PA\_CRERNGNOD - create a range node

H 2  
16-Sep-1984 01:20:06  
14-Sep-1984 12:24:10

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

: 142 0994 1 END  
: 143 0995 1  
: 144 0996 0 ELUDOM

! of module EDT\$PRNUMRAN

PSECT SUMMARY

Name Bytes Attributes  
\_EDT\$CODE 45 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	49	12	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\$:PRNUMRAN/OBJ=OBJ\$:PRNUMRAN MSRC\$:PRNUMRAN.BLI/UPDATE=(ENH\$:PRNUMRAN)

: Size: 45 code + 0 data bytes  
: Run Time: 00:13.0  
: Elapsed Time: 00:16.3  
: Lines/CPU Min: 4611  
: Lexemes/CPU-Min: 14541  
: Memory Used: 96 pages  
: Compilation Complete



0138

AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

