



```

BBBBBBBB      AAAAAA      SSSSSSSS      SSSSSSSS      TTTTTTTTTT      RRRRRRRR      IIIIII      NN      NN      GGGGGGGG
BBBBBBBB      AAAAAA      SSSSSSSS      SSSSSSSS      TTTTTTTTTT      RRRRRRRR      IIIIII      NN      NN      GGGGGGGG
BB      BB      AA      AA      SS      SS      TT      RR      RR      II      NN      NN      GG
BB      BB      AA      AA      SS      SS      TT      RR      RR      II      NN      NN      GG
BB      BB      AA      AA      SS      SS      TT      RR      RR      II      NNNN      NN      GG
BBBBBBBB      AA      AA      SSSSSS      SSSSSS      TT      RRRRRRRR      II      NN      NN      GG
BBBBBBBB      AA      AA      SSSSSS      SSSSSS      TT      RRRRRRRR      II      NN      NN      GG
BB      BB      AAAAAAAAAA      SS      SS      TT      RR      RR      II      NN      NN      GG      GGGGGG
BB      BB      AAAAAAAAAA      SS      SS      TT      RR      RR      II      NN      NN      GG      GGGGGG
BB      BB      AA      AA      SS      SS      TT      RR      RR      II      NN      NN      GG      GG
BB      BB      AA      AA      SS      SS      TT      RR      RR      II      NN      NN      GG      GG
BBBBBBBB      AA      AA      SSSSSSSS      SSSSSSSS      TT      RR      RR      IIIIII      NN      NN      GGGGGG
BBBBBBBB      AA      AA      SSSSSSSS      SSSSSSSS      TT      RR      RR      IIIIII      NN      NN      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
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS

```

```

1 0001 0 MODULE BAS$STRING (
2 0002 0 IDENT = '1-002'
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 **
31 0031 1 FACILITY: String support library
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This routine fills a string with an input number (defaults to
36 0036 1 the string's current length) of an input character (defaults to
37 0037 1 space).
38 0038 1
39 0039 1 ENVIRONMENT: User mode, AST level or not or mixed
40 0040 1
41 0041 1 AUTHOR: R. Will, CREATION DATE: 13-Mar-79
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1 R. Will, 13-Mar-79: VERSION 01
46 0046 1 01 - original
47 0047 1 1-002 - Use STR$K FILL CHAR. JBS 15-APR-1979
48 0048 1 1-003 CALL STR$CUPL_CHAR DELETE WHEN COMPILER CALLS STR$> RW 7_nov-79
49 0049 1 --
50 0050 1
51 0051 1 !<BLF/PAGE>

```

! Duplicate a character in a string  
! File: BAS\$STRING.B32

```
53 0052 1 |
54 0053 1 | SWITCHES:
55 0054 1 |
56 0055 1 |
57 0056 1 | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
58 0057 1 |
59 0058 1 |
60 0059 1 | LINKAGES:
61 0060 1 |
62 0061 1 |
63 0062 1 |
64 0063 1 | TABLE OF CONTENTS:
65 0064 1 |
66 0065 1 |
67 0066 1 | FORWARD ROUTINE
68 0067 1 |   BAS$STRING : NOVALUE;           ! Fill a string with a character
69 0068 1 |
70 0069 1 |
71 0070 1 | INCLUDE FILES:
72 0071 1 |
73 0072 1 |
74 0073 1 | REQUIRE 'RTLIN:RTLPSECT';       ! Use to declare PSECTs
75 0168 1 |
76 0169 1 |
77 0170 1 |
78 0171 1 | MACROS: NONE
79 0172 1 |
80 0173 1 |
81 0174 1 | EQUATED SYMBOLS: NONE
82 0175 1 |
83 0176 1 |
84 0177 1 | PSECT DECLARATIONS
85 0178 1 |
86 0179 1 | DECLARE_PSECTS (BAS);
87 0180 1 |
88 0181 1 | OWN STORAGE: NONE
89 0182 1 |
90 0183 1 |
91 0184 1 | EXTERNAL REFERENCES:
92 0185 1 |
93 0186 1 |
94 0187 1 | EXTERNAL ROUTINE
95 0188 1 |   STR$DUPL_CHAR;
96 0189 1 |
```



```

                                .TITLE  BAS$STRING
                                .IDENT  \1-002\
                                .EXTRN  STR$DUPL_CHAR
                                .PSECT  _BAS$CODE,NOWRT, SHR, PIC,2
                                .ENTRY  BAS$STRING, Save nothing
                                SUBL2   #4, SP
                                CMPB   (AP), #3
                                BNEQ   1$
                                MOVB   INPUT_CHAR, CHAR
                                BRB    2$
                                MOVB   #32, CHAR
                                PUSHL  SP
                                PUSHAB LENGTH
                                PUSHL  DEST_DESC
                                CALLS  #3, STR$DUPL_CHAR
                                RET
0000 00000
5E    04  C2 00002
03    6C  91 00005
        06  12 00008
6E    0C  AC 90 0000A
        03  11 0000E
6E    20  90 00010 1$:
        5E  DD 00013 2$:
        08  AC 9F 00015
        04  AC DD 00018
C0000000G 00 03  FB 0001B
                                04 00022
                                : 0190
                                : 0242
                                : 0244
                                : 0245

```

: Routine Size: 35 bytes, Routine Base: \_BAS\$CODE + 0000

```

: 154      0246  1
: 155      0247  1 END
: 156      0248  1
: 157      0249  0 ELUDOM

```

!End of module

PSECT SUMMARY

```

: Name          Bytes          Attributes
: _BAS$CODE     35 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

```

COMMAND QUALIFIERS

```

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:BASSTRING/OBJ=OBJ$:BASSTRING MSRC$:BASSTRING/UPDATE=(ENH$:BASSTRING)

```

```

: Size:          35 code + 0 data bytes
: Run Time:      00:01.9
: Elapsed Time:  00:03.5
: Lines/CPU Min: 7781
: Lexemes/CPU-Min: 20687
: Memory Used:   22 pages

```

BAS\$STRING  
1-002

H 3  
16-Sep-1984 01:16:34 VAX-11 Bliss-32 V4.0-742

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: Compilation Complete

0032 AH-BT13A-SE  
VAX/VMS V4.0

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