

```

BBBBBBBBBBBBBB      AAAAAAAAAA      SSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTT      LLL
BBBBBBBBBBBBBB      AAAAAAAAAA      SSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTT      LLL
BBBBBBBBBBBBBB      AAAAAAAAAA      SSSSSSSSSSSS      RRRRRRRRRRRR      TTTTTTTTTTTTTTTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBBBBBBBBBBBBB      AAA          AAA          SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBBBBBBBBBBBBB      AAA          AAA          SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBBBBBBBBBBBBB      AAA          AAA          SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAAAAAAAAAAAAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAAAAAAAAAAAAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAAAAAAAAAAAAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBB          BBB    AAA          AAA    SSS          SSS          RRR          RRR      TTT          TTT      LLL
BBBBBBBBBBBBBB      AAA          AAA    SSSSSSSSSSSS      RRR          RRR      TTT          TTT      LLLLLLLLLLLLLLLLLL
BBBBBBBBBBBBBB      AAA          AAA    SSSSSSSSSSSS      RRR          RRR      TTT          TTT      LLLLLLLLLLLLLLLLLL
BBBBBBBBBBBBBB      AAA          AAA    SSSSSSSSSSSS      RRR          RRR      TTT          TTT      LLLLLLLLLLLLLLLLLL

```

```

BBBBBBBBB      AAAAAA      SSSSSSSS      RRRRRRRR      IIIIII      GGGGGGGG      HH      HH      TTTTTTTTTT
BBBBBBBBB      AAAAAA      SSSSSSSS      RRRRRRRR      IIIIII      GGGGGGGG      HH      HH      TTTTTTTTTT
BB      BB      AA      AA      SS      RR      RR      II      GG      HH      HH      TT
BB      BB      AA      AA      SS      RR      RR      II      GG      HH      HH      TT
BB      BB      AA      AA      SS      RR      RR      II      GG      HH      HH      TT
BB      BB      AA      AA      SS      RR      RR      II      GG      HH      HH      TT
BBBBBBBBB      AA      AA      SSSSSS      RRRRRRRR      II      GG      HHHHHHHHHH      TT
BBBBBBBBB      AA      AA      SSSSSS      RRRRRRRR      II      GG      HHHHHHHHHH      TT
BB      BB      AAAAAAAAAA      SS      RR      RR      II      GG      GGGGGG      HH      HH      TT
BB      BB      AAAAAAAAAA      SS      RR      RR      II      GG      GGGGGG      HH      HH      TT
BB      BB      AA      AA      SS      RR      RR      II      GG      GG      HH      HH      TT
BB      BB      AA      AA      SS      RR      RR      II      GG      GG      HH      HH      TT
BBBBBBBBB      AA      AA      SSSSSSSS      RR      RR      IIIIII      GGGGGG      HH      HH      TT
BBBBBBBBB      AA      AA      SSSSSSSS      RR      RR      IIIIII      GGGGGG      HH      HH      TT

```

```

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
LLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLL      IIIIII      SSSSSSSS

```

```

1 0001 0 MODULE BASSRIGHT (
2 0002 0 IDENT = '1-006'
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 module extracts a substring according to the
36 0036 1 BASIC-PLUS-2 syntax. It finds the substring of a main string
37 0037 1 starting at the character position specified by the input parameter
38 0038 1 and continues through the last character of the string. This
39 0039 1 substring is copied to the destination string.
40 0040 1
41 0041 1 ENVIRONMENT: User mode, AST level or not or mixed
42 0042 1
43 0043 1 AUTHOR: R. Will, CREATION DATE: 19-Feb-79
44 0044 1
45 0045 1 MODIFIED BY:
46 0046 1
47 0047 1 R. Will, 19-Feb-79: VERSION 01
48 0048 1 01 - original
49 0049 1 02 - change linkage and call to COPY routine. 15-mar-79
50 0050 1 1-003 - Change string linkages to start with STR$. JBS 04-JUN-1979
51 0051 1 1-004 - Change call to STR$$COPY. JBS 16-JUL-1979
52 0052 1 1-005 - Define an aux variable to improve the code generated.
53 0053 1 JBS 11-OCT-1979
54 0054 1 1-006 - CALL STRRIGHT, DELETE THIS MODULE WHEN COMPILER CALLS STR. RW 1-Nov-79
55 0055 1 --
56 0056 1
57 0057 1 !<BLF/PAGE>

```

! Extract the substring of the BASIC RIGHT
! File: BASRIGHT.B32

```

59 0058 1 |
60 0059 1 | SWITCHES:
61 0060 1 |
62 0061 1 |
63 0062 1 | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
64 0063 1 |
65 0064 1 |
66 0065 1 | LINKAGES:
67 0066 1 |
68 0067 1 |
69 0068 1 |
70 0069 1 | TABLE OF CONTENTS:
71 0070 1 |
72 0071 1 |
73 0072 1 | FORWARD ROUTINE
74 0073 1 |     BASSRIGHT : NOVALUE;           ! Find the RIGHT of a string
75 0074 1 |
76 0075 1 |
77 0076 1 | INCLUDE FILES:
78 0077 1 |
79 0078 1 |
80 0079 1 | REQUIRE 'RTLIN:RILPSECT';       ! Declare PSECTs code
81 0174 1 |
82 0175 1 |
83 0176 1 | MACROS:
84 0177 1 |
85 0178 1 |
86 0179 1 | EQUATED SYMBOLS:
87 0180 1 |
88 0181 1 |
89 0182 1 | PSECT DECLARATIONS
90 0183 1 |
91 0184 1 | DECLARE_PSECTS (BAS);
92 0185 1 |
93 0186 1 | OWN STORAGE:
94 0187 1 |
95 0188 1 |
96 0189 1 | EXTERNAL REFERENCES:
97 0190 1 |
98 0191 1 |
99 0192 1 | EXTERNAL ROUTINE
100 0193 1 |     STR$RIGHT;                   ! Routine to do the copy
101 0194 1 |

```


.TITLE BASSRIGHT
.IDENT \1-006\
.EXTRN STR\$RIGHT
.PSECT _BASS\$CODE,NOWRT, SHR, PIC,2
.ENTRY BASSRIGHT, Save nothing
PUSHAB CHAR_POS
MOVQ DEST_DESC, -(SP)
CALLS #3, STR\$RIGHT
RET

: 0195
: 0248
:
: 0250

00000000G 7E 00
0C AC 9F 00002
04 AC 7D 00005
03 FB 00009
04 00010

: Routine Size: 17 bytes. Routine Base: _BASS\$CODE + 0000

: 159 0251 1
: 160 0252 1 END
: 161 0253 1
: 162 0254 0 ELUDOM

!End of module

PSECT SUMMARY

Name	Bytes	Attributes
_BASS\$CODE	17	NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

COMMAND QUALIFIERS

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

: Size: 17 code + 0 data bytes
: Run Time: 00:01.8
: Elapsed Time: 00:05.5
: Lines/CPU Min: 8659
: Lexemes/CPU-Min: 22500
: Memory Used: 18 pages
: Compilation Complete

0030 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a grid of 100 small terminal window screenshots, each showing a different software application or utility. The windows are arranged in a 10x10 grid. Several windows are highlighted with larger, semi-transparent labels: BASRAD50 LIS, BASRSET LIS, BASRPUT LIS, BASRECPRO LIS, BASRESTAR LIS, BASRANDOM LIS, BASREMAP LIS, BASRESTOR LIS, and BASRIGT LIS. Each window contains text, some with graphical elements like bar charts or tables, representing various system utilities and data processing tools.