

BBBBBBBBBBBBBB AAAAAAAA SSSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTTT LLL
BBBBBBBBBBBBBB AAAAAAAA SSSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTTT LLL
BBBBBBBBBBBBBB AAAAAAAA SSSSSSSSSSSS RRRRRRRRRRRR TTTTTTTTTTTTTT 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
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BBB BBB AAA AAA SSS RRR RRR TTT TTT LLL
BBBBBBBBBBBBBB AAA AAA SSSSSSSSSSS RRR RRR RRR TTT LLL
BBBBBBBBBBBBBB AAA AAA SSSSSSSSSSS RRR RRR RRR TTT LLL
BBBBBBBBBBBBBB AAA AAA SSSSSSSSSSS RRR RRR RRR TTT LLL

```

BBBBBBBB      AAAAAA      SSSSSSSS      VV      VV      EEEEEEEEEEE      CCCCCCCC      TTTTTTTTTT      RRRRRRRR      222222
BBBBBBBB      AAAAAA      SSSSSSSS      VV      VV      EEEEEEEEEEE      CCCCCCCC      TTTTTTTTTT      RRRRRRRR      222222
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22      22
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22      22
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22      22
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22      22
BBBBBBBB      AA      AA      SSSSSS      VV      VV      EEEEEEEEE      CC      TT      RRRRRRR      22
BBBBBBBB      AA      AA      SSSSSS      VV      VV      EEEEEEEEE      CC      TT      RRRRRRR      22
BB      BB      AAAAAAAAAA      SS      VV      VV      EE      CC      TT      RR      RR      22
BB      BB      AAAAAAAAAA      SS      VV      VV      EE      CC      TT      RR      RR      22
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22
BRBBBBBB      AA      AA      SSSSSSSS      VV      VV      EEEEEEEEEEE      CCCCCCCC      TT      RR      RR      2222222222      ....
BBBBBBBB      AA      AA      SSSSSSSS      VV      VV      EEEEEEEEEEE      CCCCCCCC      TT      RR      RR      2222222222      ....

```

```

LL      111111      SSSSSSSS
LL      111111      SSSSSSSS
LL      11      SS
LL      11      SS
LL      11      SS
LL      11      SS
LL      11      SSSSSS
LL      11      SSSSSS
LL      11      SS
LL      11      SS
LL      11      SS
LL      11      SS
LLLLLLLLLLLL      111111      SSSSSSSS
LLLLLLLLLLLL      111111      SSSSSSSS

```

(2) 47
(3) 123

DECLARATIONS
BASRTL2 Vector

```
0000 1 .TITLE BAS$VECTR2 - Entry vectors for BASRTL2.EXE
0000 2 .IDENT /1-002/ ; File: BASVECTR2.MAR Edit: MDL1002
0000 3
0000 4
0000 5 :*****
0000 6 :*
0000 7 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 17 :*
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0000 19 :* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
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0000 21 :*
0000 22 :* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27 :
0000 28 :
0000 29 :++
0000 30 : FACILITY: Run-Time Library - BASIC Language Support
0000 31 :
0000 32 : ABSTRACT:
0000 33 :
0000 34 : This module contains the entry vector definitions for the
0000 35 : VAX-11 Run-Time Library shareable image BASRTL2.EXE
0000 36 :
0000 37 : ENVIRONMENT: User mode, AST Reentrant
0000 38 :
0000 39 : AUTHOR: Matthew D. LaPine, CREATION DATE: 19-May-1983
0000 40 :
0000 41 : MODIFIED BY:
0000 42 :
0000 43 : 1-001 - adapted from BASVECTOR. MDL 19-May-1983
0000 44 : 1-002 - rename to BASVECTR2, image is now BASRTL2. MDL 9-Aug-1983
0000 45 :--
```

```
0000 47      .SBTTL  DECLARATIONS
0000 48      :
0000 49      : LIBRARY MACRO CALLS:
0000 50      :
0000 51      :     NONE
0000 52      :
0000 53      : EXTERNAL DECLARATIONS:
0000 54      :
0000 55      :     .DSABL  GBL                ; Force all external symbols to be declared
0000 56      :
0000 57      : MACROS:
0000 58      :
0000 59      :
0000 60      :+
0000 61      : Macro to define an entry vector for a CALL entry point
0000 62      :-
0000 63      :
0000 64      :     .MACRO  VCALL  NAME, ALTMSK
0000 65      :     .EXTRN  NAME
0000 66      :     .TRANSFER  NAME
0000 67      :     .IF B ALTMSK
0000 68      :     .MASK   NAME
0000 69      :     .IFF
0000 70      :     .MASK   ALTMSK
0000 71      :     .ENDC
0000 72      :     JMP     NAME+2
0000 73      :     .ENDM
0000 74      :
0000 75      :+
0000 76      : Macro to define an entry vector for a JSB entry point
0000 77      :-
0000 78      :
0000 79      :     .MACRO  VJSB   NAME
0000 80      :     .EXTRN  NAME
0000 81      :     .TRANSFER  NAME
0000 82      :     JMP     NAME
0000 83      :     .BLKB   2
0000 84      :     .ENDM
0000 85      :
0000 86      :+
0000 87      : Macro to define an entry vector for a condition handler whose actual
0000 88      : routine address has a different name from the vector entry.
0000 89      :-
0000 90      :
0000 91      :     .MACRO  VHANDL  NAME, INTNAME
0000 92      :     .EXTRN  INTNAME
0000 93      :     .TRANSFER  NAME
0000 94      :     NAME::
0000 95      :     .MASK   INTNAME
0000 96      :     JMP     INTNAME+2
0000 97      :     .ENDM
0000 98      :
0000 99      :+
0000 100     : Macro to define an alias for the next vectored entry point
0000 101     :-
0000 102     :
0000 103     :     .MACRO  ALIAS  NAME
```

0000	104	.TRANSFER	NAME
0000	105	.ENDM	
0000	106		
0000	107		
0000	108		
0000	109	EQUATED SYMBOLS:	
0000	110		
0000	111	NONE	
0000	112		
0000	113	OWN STORAGE:	
0000	114		
0000	115	NONE	
0000	116		
0000	117	PSECT DECLARATIONS:	
0000	118		
00000000	119	.PSECT \$BASSVECTR2	PIC, USR, CON, REL, LCL, SHR, -
0000	120		EXE, RD, NOWRT, LONG
0000	121		

```
0000 123      .SBTTL  BASRTL2 Vector
0000 124
0000 125 :+
0000 126 : Define vectored entry points for the BASIC Language Support procedures
0000 127 : by module in alphabetical order.
0000 128 :
0000 129 : Any additions to this file should be reflected in
0000 130 : COMS:BASRTLVEC2.DAT. All new entry points must be appended to the end
0000 131 : of the list. NEVER change existing entries unless you are sure that
0000 132 : what you do won't break existing programs.
0000 133 :-
0000 134
0000 135 : Module BAS$MAT_ADD
0000 136
0000 137      VCALL  BAS$MAT_ADD
0008 138
0008 139 : Module BAS$MAT_ASSIGN
0008 140
0008 141      VCALL  BAS$MAT_ASSIGN
0010 142
0010 143 : Module BAS$MAT_IDN
0010 144
0010 145      VCALL  BAS$MAT_IDN
0018 146
0018 147 : Module BAS$MAT_INIT
0018 148
0018 149      VCALL  BAS$MAT_INIT
0020 150
0020 151 : Module BAS$MAT_INV
0020 152
0020 153      VCALL  BAS$MAT_INV
0028 154
0028 155 : Module BAS$MAT_MUL
0028 156
0028 157      VCALL  BAS$MAT_MUL
0030 158
0030 159 : Module BAS$MAT_NULL
0030 160
0030 161      VCALL  BAS$MAT_NULL
0038 162
0038 163 : Module BAS$MAT_REDIM
0038 164
0038 165      VCALL  BAS$MAT_REDIM
0040 166
0040 167 : Module BAS$MAT_SCA_MUL
0040 168
0040 169      VCALL  BAS$MAT_SCA_MUL
0048 170
0048 171 : Module BAS$MAT_SUB
0048 172
0048 173      VCALL  BAS$MAT_SUB
0050 174
0050 175 : Module BAS$MAT_TRN
0050 176
0050 177      VCALL  BAS$MAT_TRN
0058 178
0058 179 : Module BAS$NOT_IMP
```

```
0058 180
0058 181      ALIAS  BAS$FSS
0058 182      ALIAS  BAS$PEEK
0058 183      ALIAS  PPASSET_DEF
0058 184      VCALL  BAS$NOT_IMP
0060 185
0060 186 ; Module BAS$ONECHR
0060 187
0060 188      VCALL  BAS$ONECHR
0068 189
0068 190 ; Module BAS$RSTS_CVT
0068 191
0068 192      VCALL  BAS$CVT_D_S
0070 193      VCALL  BAS$CVT_F_S
0078 194      VCALL  BAS$CVT_S_D
0080 195      VCALL  BAS$CVT_S_F
0088 196      VCALL  BAS$CVT_S_W
0090 197      VCALL  BAS$CVT_W_S
0098 198
0098 199 ; Module BAS$SYS
0098 200
0098 201      VCALL  BAS$SYS
00A0 202
00A0 203 ;+
00A0 204 ; End of initial BASRTL2 vector. All subsequent additions must be made
00A0 205 ; after this point.
00A0 206 ;-
00A0 207
00A0 208      .END ; End of module BAS$VECTR2
```


BASSVECTR2
Symbol table

- Entry vectors for BASRTL2.EXE H 11

15-SEP-1984 23:37:06
6-SEP-1984 10:39:52

VAX/VMS Macro V04-00
[BASRTL.SRC]BASVECTR2.MAR;1

Page 6
(3)

BASSCVT_D_S	*****	X	01
BASSCVT_F_S	*****	X	01
BASSCVT_S_D	*****	X	01
BASSCVT_S_F	*****	X	01
BASSCVT_S_W	*****	X	01
BASSCVT_W_S	*****	X	01
BASSMAT_ADD	*****	X	01
BASSMAT_ASSIGN	*****	X	01
BASSMAT_IDN	*****	X	01
BASSMAT_INIT	*****	X	01
BASSMAT_INV	*****	X	01
BASSMAT_MUL	*****	X	01
BASSMAT_NULL	*****	X	01
BASSMAT_REDIM	*****	X	01
BASSMAT_SCA_MUL	*****	X	01
BASSMAT_SUB	*****	X	01
BASSMAT_TRN	*****	X	01
BASSNOT_IMP	*****	X	01
BASSONECHR	*****	X	01
BASSSYS	*****	X	01

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes										
-----	-----	-----	-----										
ABS	00000000 (0.)	00 (0.)	NOPIC USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE	
\$BASSVECTR2	000000A0 (160.)	01 (1.)	PIC USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG	

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
-----	-----	-----	-----
Initialization	34	00:00:00.11	00:00:00.49
Command processing	134	00:00:00.46	00:00:01.37
Pass 1	87	00:00:00.79	00:00:01.19
Symbol table sort	0	00:00:00.00	00:00:00.01
Pass 2	49	00:00:00.44	00:00:00.70
Symbol table output	4	00:00:00.03	00:00:00.03
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	311	00:00:01.87	00:00:03.82

The working set limit was 900 pages.
3656 bytes (8 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 20 non-local and 0 local symbols.
208 source lines were read in Pass 1, producing 13 object records in Pass 2.
4 pages of virtual memory were used to define 4 macros.

! Macro library statistics !

Macro library name

Macros defined

_S255\$DUA28:[SYSLIB]STARLET.MLB;2

0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/LIS=LIS\$:BASVECTR2/OBJ=OBJ\$:BASVECTR2 MSRC\$:BASVECTR2/UPDATE=(ENH\$:BASVECTR2)

0033 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a grid of 100 terminal windows, arranged in 10 rows and 10 columns. Each window contains a different software module name, often followed by 'LIS' (likely representing a list or data output). The modules are as follows:

- Row 1: BASVIRTUA LIS
- Row 2: BASUDFW LIS
- Row 3: BASUNLOCK LIS, BASVECTOR LIS
- Row 4: BASVAL LIS, BASVRTIO LIS
- Row 5: BASUNIND LIS, BASUPDATE LIS
- Row 6: BASVECTR2 LIS

The remaining windows in the grid contain various data outputs, including lists of numbers, text, and code snippets, all rendered in a monospaced font typical of early computer terminals.