

|              |     |              |     |            |     |            |     |            |  |              |
|--------------|-----|--------------|-----|------------|-----|------------|-----|------------|--|--------------|
| BBBBBBBBBBBB |     | AAAAAAA      |     | SSSSSSSSSS |     | RRRRRRRRRR |     | TTTTTTTTTT |  | LLL          |
| BBBBBBBBBBBB |     | AAAAAAA      |     | SSSSSSSSSS |     | RRRRRRRRRR |     | TTTTTTTTTT |  | LLL          |
| BBBBBBBBBBBB |     | AAAAAAA      |     | SSSSSSSSSS |     | RRRRRRRRRR |     | TTTTTTTTTT |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA | SSS        |     | RRR        | RRR | TTT        |  | LLL          |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRRRRRRRRR |     | TTT        |  | LLL          |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRRRRRRRRR |     | TTT        |  | LLL          |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRRRRRRRRR |     | TTT        |  | LLL          |
| BBB          | BBB | AAAAAAAAAAAA |     |            | SSS | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAAAAAAAAAAA |     |            | SSS | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAAAAAAAAAAA |     |            | SSS | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT        |  | LLL          |
| BBB          | BBB | AAA          | AAA |            | SSS | RRR        | RRR | TTT        |  | LLL          |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRR        | RRR | TTT        |  | LLLLLLLLLLLL |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRR        | RRR | TTT        |  | LLLLLLLLLLLL |
| BBBBBBBBBBBB |     | AAA          | AAA | SSSSSSSS   |     | RRR        | RRR | TTT        |  | LLLLLLLLLLLL |

|          |            |          |            |      |      |          |          |            |            |
|----------|------------|----------|------------|------|------|----------|----------|------------|------------|
| BBBBBBBB | AAAAAA     | SSSSSSSS | EEEEEEEEEE | NN   | NN   | DDDDDDDD | DDDDDDDD | EEEEEEEEEE | FFFFFFFFFF |
| BBBBBBBB | AAAAAA     | SSSSSSSS | EEEEEEEEEE | NN   | NN   | DDDDDDDD | DDDDDDDD | EEEEEEEEEE | FFFFFFFFFF |
| BB       | AA         | SS       | EE         | NN   | NN   | DD       | DD       | EE         | FF         |
| BB       | AA         | SS       | EE         | NN   | NN   | DD       | DD       | EE         | FF         |
| BB       | AA         | SS       | EE         | NNNN | NN   | DD       | DD       | EE         | FF         |
| BB       | AA         | SS       | EE         | NNNN | NN   | DD       | DD       | EE         | FF         |
| BBBBBBBB | AA         | SSSSSS   | EEEEEEEE   | NN   | NN   | DD       | DD       | EEEEEEEE   | FFFFFFFF   |
| BBBBBBBB | AA         | SSSSSS   | EEEEEEEE   | NN   | NN   | DD       | DD       | EEEEEEEE   | FFFFFFFF   |
| BB       | AAAAAAAAAA | SS       | EE         | NN   | NNNN | DD       | DD       | EE         | FF         |
| BB       | AAAAAAAAAA | SS       | EE         | NN   | NNNN | DD       | DD       | EE         | FF         |
| BB       | AA         | SS       | EE         | NN   | NN   | DD       | DD       | EE         | FF         |
| BB       | AA         | SS       | EE         | NN   | NN   | DD       | DD       | EE         | FF         |
| BB       | AA         | SS       | EE         | NN   | NN   | DD       | DD       | EE         | FF         |
| BBBBBBBB | AA         | SSSSSSSS | EEEEEEEEEE | NN   | NN   | DDDDDDDD | DDDDDDDD | EEEEEEEEEE | FF         |
| BBBBBBBB | AA         | SSSSSSSS | EEEEEEEEEE | NN   | NN   | DDDDDDDD | DDDDDDDD | EEEEEEEEEE | FF         |

....  
....  
....  
....

|            |        |          |
|------------|--------|----------|
| 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 BASSEND_DEF (
2 0002 0 IDENT = '1-013'
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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24 0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1 FACILITY: BASIC-PLUS-2 Frame Support
33 0033 1
34 0034 1 ABSTRACT:
35 0035 1
36 0036 1 These routines set up and tear down frames for BASIC-PLUS-2.
37 0037 1 Frames are used for main routines, external functions,
38 0038 1 external subroutines, internal functions (both DEFs and DEF*s)
39 0039 1 internal subroutines (GOSUBs) and condition handlers.
40 0040 1
41 0041 1 ENVIRONMENT: VAX-11 user mode
42 0042 1
43 0043 1 AUTHOR: John Sauter, CREATION DATE: 10-Oct-78
44 0044 1
45 0045 1 MODIFIED BY:
46 0046 1
47 0047 1 1-001 - Original. This is just a skeleton.
48 0048 1 1-002 - Copy code from BASSEND. JBS 07-FEB-1979
49 0049 1 1-003 - Change stack frame prefix from BAS$ to BSF$. JBS 08-FEB-1979
50 0050 1 1-004 - Purge any FIELD variables when deallocating them. JBS 28-FEB-1979
51 0051 1 1-005 - Deallocate only the dynamic string templates, not the fixed
52 0052 1 string templates. JBS 20-MAR-1979
53 0053 1 1-006 - Remove edit 004--the compiled code will call the routine which
54 0054 1 purges field variables so that the field code will not have
55 0055 1 to be in the sharable library. JBS 02-APR-1979
56 0056 1 1-007 - Similarly, don't flush virtual arrays. JBS 09-APR-1979
57 0057 1 1-008 - Change OTS$$ and LIB$$ to STR$. JBS 21-MAY-1979

```

BASSEND\_DEF  
1-013

G 5  
16-Sep-1984 00:21:58  
14-Sep-1984 11:54:54

VAX-11 Bliss-32 V4.0-742  
[BASRTL.SRC]BASENDDDEF.B32;1

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(1)

```
: 58      0058 1 ! 1-009 - Correct the calls to STR$FREE1_DX. JBS 22-MAY-1979
: 59      0059 1 ! 1-010 - Another correction to the calls to STR$FREE1_DX.
: 60      0060 1 ! JBS 22-MAY-1979
: 61      0061 1 ! 1-011 - Use the JSB entry point to STR$FREE1_DX. JBS 11-JUN-1979
: 62      0062 1 ! 1-012 - Give a better error message when an error handler runs
: 63      0063 1 ! runs off the end of a function. JBS 24-JUL-1979
: 64      0064 1 ! 1-013 - Call BAS$$UNWIND when cutting back a GOSUB frame.
: 65      0065 1 ! JBS 03-AUG-1979
: 66      0066 1 ! --
: 67      0067 1 !
: 68      0068 1 ! <BLF/PAGE>
```

```
70 0069 1 |
71 0070 1 | SWITCHES:
72 0071 1 |
73 0072 1 |
74 0073 1 | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
75 0074 1 |
76 0075 1 |
77 0076 1 | LINKAGES:
78 0077 1 |
79 0078 1 |
80 0079 1 | LINKAGE
81 0080 1 |     BAS$INIT_LINK = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) : !
82 0081 1 |     GLOBAL (BSF$A_MAJOR_STG = 11, BSF$A_MINOR_STG = 10, BSF$A_TEMP_STG = 9) !
83 0082 1 |     NOPRESERVE (8, 7, 6, 5, 4, 3, 2, 1, 0);
84 0083 1 |
85 0084 1 | REQUIRE 'RTLIN:STRLNK'; ! String facility linkages
86 0269 1 |
87 0270 1 |
88 0271 1 | TABLE OF CONTENTS:
89 0272 1 |
90 0273 1 |
91 0274 1 | FORWARD ROUTINE
92 0275 1 |     BASSEND_DEF_R8 : NOVALUE BAS$INIT_LINK; ! end DEF
93 0276 1 |
94 0277 1 |
95 0278 1 | INCLUDE FILES:
96 0279 1 |
97 0280 1 |
98 0281 1 | REQUIRE 'RTLIN:RTLPSECT'; ! macros for defining psects
99 0376 1 |
100 0377 1 | REQUIRE 'RTLIN:BASFRAME'; ! Define frame structure
101 0580 1 |
102 0581 1 | REQUIRE 'RTLIN:BASINARG'; ! Define argument list
103 0665 1 |
104 0666 1 |
105 0667 1 | MACROS:
106 0668 1 |
107 0669 1 |     NONE
108 0670 1 |
109 0671 1 | EQUATED SYMBOLS:
110 0672 1 |
111 0673 1 |     NONE
112 0674 1 |
113 0675 1 | PSECTS:
114 0676 1 |
115 0677 1 | DECLARE_PSECTS (BAS); ! declare psects for BAS$ facility
116 0678 1 |
117 0679 1 | OWN STORAGE:
118 0680 1 |
119 0681 1 |     NONE
120 0682 1 |
121 0683 1 | EXTERNAL REFERENCES:
122 0684 1 |
123 0685 1 |
124 0686 1 | EXTERNAL ROUTINE
125 0687 1 |     BAS$$STOP : NOVALUE, ! signals error
126 0688 1 |     STR$FREE1_DX_R4 : STR$JSB_GETFRE, ! Deallocate a string
```

```

: 127      0689 1      BAS$$UNWIND : NOVALUE,      ! Unwind a frame
: 128      0690 1      BAS$HANDLER;                ! Marker for BASIC frame
: 129      0691 1
: 130      0692 1      !+
: 131      0693 1      !- The following are the error codes used in this module.
: 132      0694 1      !-
: 133      0695 1
: 134      0696 1      EXTERNAL LITERAL
: 135      0697 1      BAS$K_RETWITGOS : UNSIGNED (8),      ! RETURN without GOSUB
: 136      0698 1      BAS$K_PROLOSSOR : UNSIGNED (8),      ! Program lost, sorry
: 137      0699 1      BAS$K_NOTIMP : UNSIGNED (8),          ! Not implemented
: 138      0700 1      BAS$K_FNEWITFUN : UNSIGNED (8),      ! FNEW without FUNCTION CALL
: 139      0701 1      BAS$K_ERRTRANEE : UNSIGNED (8);      ! ERROR trap needs RESUME
: 140      0702 1

```

```
142 0703 1 GLOBAL ROUTINE BASSEND_DEF_R8 (
143 0704 1     ARGLIST
144 0705 1     ) : NOVALUE BASS$INIT_LINK =
145 0706 1
146 0707 1 ++
147 0708 1 FUNCTIONAL DESCRIPTION:
148 0709 1
149 0710 1     Tear down a frame for a BASIC-PLUS-2 DEF.
150 0711 1     All heap storage is deallocated. The argument is the same
151 0712 1     as for BASS$INIT_DEF_R8, for validity checking.
152 0713 1
153 0714 1 FORMAL PARAMETERS:
154 0715 1
155 0716 1     ARGLIST.ra.v List of information used to set up the
156 0717 1     frame. See BASIC-PLUS-2/VAX Description
157 0718 1     of Generated Code for details.
158 0719 1
159 0720 1 IMPLICIT INPUTS:
160 0721 1
161 0722 1     The frame, as set up by BASS$INIT_DEF_R8.
162 0723 1
163 0724 1 IMPLICIT OUTPUTS:
164 0725 1
165 0726 1     NONE
166 0727 1
167 0728 1 ROUTINE VALUE:
168 0729 1
169 0730 1     NONE
170 0731 1
171 0732 1 COMPLETION CODES:
172 0733 1
173 0734 1     NONE
174 0735 1
175 0736 1 SIDE EFFECTS:
176 0737 1
177 0738 1     Deallocates the heap storage and virtual arrays local to this
178 0739 1     DEF.
179 0740 1
180 0741 1 --
181 0742 1
182 0743 2 BEGIN
183 0744 2
184 0745 2 EXTERNAL REGISTER
185 0746 2     BSF$A_MAJOR_STG : REF BLOCK [0, BYTE],
186 0747 2     BSF$A_MINOR_STG : REF BLOCK [0, BYTE],
187 0748 2     BSF$A_TEMP_STG : REF VECTOR;
188 0749 2
189 0750 2 BUILTIN
190 0751 2     FP;
191 0752 2
192 0753 2 MAP
193 0754 2     ARGLIST : REF BLOCK [0, BYTE] FIELD (BASS$INIT_ARGS); ! arg list
194 0755 2
195 0756 2 REGISTER
196 0757 2     FMP : REF BLOCK [0, BYTE] FIELD (BSF$FCD); ! pointer to FCD
197 0758 2     PREV_FMP : REF BLOCK [0, BYTE] FIELD (BSF$FCD); ! previous FCD
198 0759 2
```

```
199 0760 2
200 0761 2 + First cut back any GOSUB frames. We wish to make the presence of
201 0762 2 the GOSUB frame invisible except on traceback.
202 0763 2 -
203 0764 2 FMP = .FMP;
204 0765 2
205 0766 2 WHILE (.FMP [BSF$B_PROC_CODE] EQL BSF$K_PROC_GOSB) DO
206 0767 2 BEGIN
207 0768 2
208 0769 2 + We have a GOSUB frame, remove it. Note we do not restore any
209 0770 2 registers it might have saved.
210 0771 2 -
211 0772 2 BAS$$UNWIND (.FMP);
212 0773 2 PREV_FMP = .FMP [BSF$A_SAVED_FP];
213 0774 2
214 0775 2 IF (.PREV_FMP [BSF$A_HANDLER] NEQA BAS$HANDLER)
215 0776 2 THEN
216 0777 2 +
217 0778 2 The previous frame is not a BASIC frame. This is unreasonable
218 0779 2 since GOSUBs should only be callable from inside a BASIC main
219 0780 2 procedure.
220 0781 2 -
221 0782 2 BAS$$STOP (BAS$K_RETWITGOS);
222 0783 2
223 0784 2 FMP = .PREV_FMP;
224 0785 2 END;
225 0786 2
226 0787 2 +
227 0788 2 Make sure this is a DEF frame.
228 0789 2 -
229 0790 2
230 0791 2 CASE .FMP [BSF$B_PROC_CODE] FROM BSF$K_PROC_MAIN TO BSF$K_PROC_IOL OF
231 0792 2 SET
232 0793 2
233 0794 2 [BSF$K_PROC_ONER] :
234 0795 2 BAS$$STOP (BAS$K_ERRTRANEE);
235 0796 2
236 0797 2 [BSF$K_PROC_DEF] :
237 0798 2 BEGIN
238 0799 2 0
239 0800 2 END;
240 0801 2
241 0802 2 [INRANGE, OTRANGE] :
242 0803 2 BAS$$STOP (BAS$K_PROLOSSOR);
243 0804 2 TES;
244 0805 2
245 0806 2 +
246 0807 2 Check to be sure that this is the correct exit. This should
247 0808 2 only fail if the compiler allows non-local gotos from a DEF,
248 0809 2 or the equivalent using condition handling.
249 0810 2 -
250 0811 2
251 0812 2 IF (.FMP [BSF$A_INIT_ARG] NEQA .ARGLIST)
252 0813 2 THEN
253 0814 2 +
254 0815 2 The argument lists are not at the same address. This exit must not
255 0816 2 correspond to the entry. Signal an error.
```

```
256 0817 2 !-
257 0818      BAS$$STOP (BAS$K_FNEWITFUN);
258 0819
259 0820 2 !+
260 0821      Deallocate any temporary string storage.
261 0822 2 !-
262 0823
263 0824      INCR COUNTER FROM 1 TO .ARGLIST [BAS$L_IN NO TST] DO
264 0825          STR$FREE1_DX_R4 (BSF$A_TEMP_STG [(COUNTER - 1)*2]);
265 0826
266 0827 2 !+
267 0828      Deallocate local dynamic strings.
268 0829 2 !-
269 0830
270 0831      INCR COUNTER FROM 1 TO .ARGLIST [BAS$W_IN NO_DST] DO
271 0832          STR$FREE1_DX_R4 (.FMP [BSF$A_STR_DESC] + (2*%UPVAL*(COUNTER - 1)));
272 0833
273 0834 2 !+
274 0835      All done. The 'RET' instruction done by the compiled code
275 0836      will cut back the stack, so we don't need to do it here.
276 0837 2 !-
277 0838      FP = .FMP;
278 0839      RETURN;
279 0840 2      END;
```

! of BAS\$END\_DEF\_R8

.TITLE BAS\$END\_DEF  
.IDENT \1-013\.EXTRN BAS\$\$STOP, STR\$FREE1\_DX\_R4  
.EXTRN BAS\$\$UNWIND, BAS\$HANDLER  
.EXTRN BAS\$K\_RETWITGOS  
.EXTRN BAS\$K\_PROLOSSOR  
.EXTRN BAS\$K\_NOTIMP, BAS\$K\_FNEWITFUN  
.EXTRN BAS\$K\_ERRTRANEE

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

|           |           |      |       |                   |        |                          |      |
|-----------|-----------|------|-------|-------------------|--------|--------------------------|------|
| 57        | 50        | DO   | 00000 | BAS\$END_DEF_R8:: | MOVCL  | R0, R7                   | 0703 |
| 55        | 5D        | DO   | 00003 |                   | MOVL   | FP, FMP                  | 0764 |
| 06        | E5        | A5   | 91    | 00006 1\$:        | CMPB   | -27(FMP), #6             | 0766 |
|           |           | 29   | 12    | 0000A             | BNEQ   | 3\$                      |      |
|           |           | 55   | DD    | 0000C             | PUSHL  | FMP                      | 0772 |
| 00000000G | 00        | 01   | FB    | 0000E             | CALLS  | #1, BAS\$\$UNWIND        |      |
|           | 52        | 0C   | A5    | DO                | MOVL   | 12(FMP), PREV_FMP        | 0773 |
| 50        | 00000000G | 00   | 9E    | 00019             | MOVAB  | BAS\$HANDLER, R0         | 0775 |
| 50        |           | 62   | D1    | 00020             | CMPL   | (PREV_FMP), R0           |      |
|           |           | 0B   | 13    | 00023             | BEQL   | 2\$                      |      |
| 7E        | 00G       | 8F   | 9A    | 00025             | MOVZBL | #BAS\$K_RETWITGOS, -(SP) | 0782 |
| 00000000G | 00        | 01   | FB    | 00029             | CALLS  | #1, BAS\$\$STOP          |      |
|           | 55        | 52   | DO    | 00030 2\$:        | MOVL   | PREV_FMP, FMP            | 0784 |
|           |           | D1   | 11    | 00033             | BRB    | 1\$                      | 0766 |
| 0021      | 07        | 01   | E5    | A5                | 8F     | 00035 3\$:               | 0791 |
| 0010      | 0010      | 0010 | 0010  | 0003A 4\$:        | .WORD  | 5\$-4\$,-                |      |
| 0010      | 0016      | 0010 | 0010  | 00042             |        | 5\$-4\$,-                |      |
|           |           |      |       |                   |        | 5\$-4\$,-                |      |

```
8$-4$,-
5$-4$,-
5$-4$,-
6$-4$,-
5$-4$,-
7E      00G  8F  9A 0004A 5$:  MOVZBL #BAS$K_PROLOSSOR, -(SP) 0803
      04  11 0004E 7$:  BRB 7$
00000000G 7E      00G  8F  9A 00050 6$:  MOVZBL #BAS$K_ERRTRANEE, -(SP) 0795
      00  01  FB 00054 7$:  CALLS #1, BAS$$$STOP
      57  D8  A5  D1 0005B 8$:  CMPL -40(FMP), ARGLIST 0812
      0B  13 0005F 9$:  BEQL 9$
00000000G 7E      00G  8F  9A 00061  MOVZBL #BAS$K_FNEWITFUN, -(SP) 0818
      00  01  FB 00065  CALLS #1, BAS$$$STOP
      56  D4 0006C 9$:  CLRL COUNTER 0825
      0F  11 0006E 10$:  BRB 11$
50      56      01  78 00070 10$:  ASHL #1, COUNTER, R0
      50      F8 A940 DE 00074  MOVAL -8(BSF$A_TEMP_STG)[R0], R0
      00000000G 00  16 00079  JSB STR$FREE1 DX_R4
      56      30  A7  F3 0007F 11$:  AOBLEQ 48(ARGLIST), COUNTER, 10$ 0831
      57      28  A7  3C 00084  MOVZWL 40(ARGLIST), R7 0832
      56      56  D4 00088  CLRL COUNTER
      0E  11 0008A  BRB 13$
50      E0 B546 7E 0008C 12$:  MOVAQ @-32(FMP)[COUNTER], R0
      50      08  C2 00091  SUBL2 #8, R0
      00000000G 00  16 00094  JSB STR$FREE1 DX_R4
      EE      56      57  F3 0009A 13$:  AOBLEQ R7, COUNTER, -12$
      5D      55  D0 0009E  MOVL FMP, FP 0838
      05 000A1  RSB 0840
```

; Routine Size: 162 bytes, Routine Base: \_BAS\$CODE + 0000

```
: 280      0841 1
: 281      0842 1 END
: 282      0843 1
: 283      0844 0 ELUDOM
```

## PSECT SUMMARY

```
:
: Name Bytes Attributes
: _BAS$CODE 162 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)
```

## COMMAND QUALIFIERS

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

BASSEND\_DEF  
1-013

N 5  
16-Sep-1984 00:21:58  
14-Sep-1984 11:54:54

VAX-11 Bliss-32 V4.0-742  
[BASRTL.SRC]BASENDDDEF.B32;1

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(3)

; )

: Size: 162 code + 0 data bytes  
: Run Time: 00:06.2  
: Elapsed Time: 00:14.4  
: Lines/CPU Min: 8207  
: Lexemes/CPU-Min: 28813  
: Memory Used: 69 pages  
: Compilation Complete

0022 AH-BT13A-SE  
VAX/VMS V4.0

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BASERROR  
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BASEMULP  
LIS

BASEDDGB  
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BASERTXT  
LIS