


```

FFFFFFFFF  000000  RRRRRRRR  PPPPPPPP  AAAAAA  UU    UU  SSSSSSSS  EEEEEEEEE
FFFFFFFFF  000000  RRRRRRRR  PPPPPPPP  AAAAAA  UU    UU  SSSSSSSS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UU    UU  SS      SS  EEEEEEEEE
FFFFFFFFF  00      00  RRRRRRRR  PPPPPPPP  AA      AA  UU    UU  SSSSSS  EEEEEEEEE
FFFFFFFFF  00      00  RRRRRRRR  PPPPPPPP  AA      AA  UU    UU  SSSSSS  EEEEEEEEE
FF          00      00  RR  RR  PP      PP  AAAAAAAAAA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR  RR  PP      PP  AAAAAAAAAA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UU    UU  SS      SS  EEEEEEEEE
FF          00      00  RR      RR  PP      PP  AA      AA  UUUUUUUUU  SSSSSSSS  EEEEEEEEE
FF          000000  RR      RR  PP      PP  AA      AA  UUUUUUUUU  SSSSSSSS  EEEEEEEEE
FF          000000  RR      RR  PP      PP  AA      AA  UUUUUUUUU  SSSSSSSS  EEEEEEEEE

```

```

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 FOR$PAUSE ( ! FORTRAN PAUSE statement
2      0002 0      IDENT = '1-003' ! File: FORPAUSE.B32 Edit DGP1003
3      0003 0      ) =
4      0004 1 BEGIN
5      0005 1
6      0006 1 |
7      0007 1 |*****|
8      0008 1 |*|
9      0009 1 |* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY |*
10     0010 1 |* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. |*
11     0011 1 |* ALL RIGHTS RESERVED. |*
12     0012 1 |* |*
13     0013 1 |* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED |*
14     0014 1 |* ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE |*
15     0015 1 |* INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER |*
16     0016 1 |* COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY |*
17     0017 1 |* OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY |*
18     0018 1 |* TRANSFERRED. |*
19     0019 1 |* |*
20     0020 1 |* THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE |*
21     0021 1 |* AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT |*
22     0022 1 |* CORPORATION. |*
23     0023 1 |* |*
24     0024 1 |* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS |*
25     0025 1 |* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. |*
26     0026 1 |* |*
27     0027 1 |*****|
28     0028 1 |
29     0029 1 |
30     0030 1 |
31     0031 1 |++
32     0032 1 | FACILITY: FORTRAN Support Library
33     0033 1 |
34     0034 1 | ABSTRACT:
35     0035 1 |
36     0036 1 |     FORTRAN PAUSE statement: Output optional string and hibernate
37     0037 1 |
38     0038 1 | ENVIRONMENT: User Mode - AST re-entrant
39     0039 1 |
40     0040 1 | AUTHOR: Thomas N. Hastings, CREATION DATE: 8-Aug-1977
41     0041 1 |
42     0042 1 | MODIFIED BY:
43     0043 1 |
44     0044 1 |     Thomas N. Hastings, 8-Aug-1977: VERSION 0
45     0045 1 | 01 - original
46     0046 1 | 0-4 - Output FORTRAN PAUSE, if no arg. TNH 13-Dec-77.
47     0047 1 | 0-05 - Change to STARLET library. DGP 20-Apr-78
48     0048 1 | 0-06 - Change REQUIRE files for VAX system build. DGP 28-Apr-78
49     0049 1 | 0-07 - Change STARLET to RTLSTARLE to avoid conflicts. DGP 1-May-78
50     0050 1 | 0-08 - Use SYSSCLI to pause. TNH 7-Jun-78
51     0051 1 | 0-09 - Make PIC. TNH 30-June-78
52     0052 1 | 0-10 - Change file name to FORPAUSE.B32, and change the names of
53     0053 1 |         the REQUIRE file similarly. JBS 14-NOV-78
54     0054 1 | 1-001 - Update version number and copyright notice. JBS 16-NOV-78
55     0055 1 | 1-002 - Change REQUIRE file name from FORMAC to OTSMAC. JBS 06-DEC-78
56     0056 1 | 1-003 - Move ACTUALCOUNT into routine body and initialize class and d_type
57     0057 1 |         in the default descriptor. DGP 28-Oct-1981

```

FORSPAUSE
1-003

L 14
16-Sep-1984 00:41:26
14-Sep-1984 12:32:19

VAX-11 Bliss-32 V4.0-742
[FORRTL.SRC]FORSPAUSE.B32;1

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: 58 0058 1 !--


```

: 60      0059 1  |
: 61      0060 1  | : TABLE OF CONTENTS:
: 62      0061 1  | :
: 63      0062 1  | :
: 64      0063 1  | FORWARD ROUTINE
: 65      0064 1  |     FOR$PAUSE;           ! PAUSE statement
: 66      0065 1  |
: 67      0066 1  |
: 68      0067 1  | : INCLUDE FILES:
: 69      0068 1  | :
: 70      0069 1  | REQUIRE 'RTLIN:OTSMAC';   ! macros
: 71      0263 1  | REQUIRE 'RTLIN:RTLPSECT'; ! Define DECLARE_PSECTS macro
: 72      0358 1  | LIBRARY 'RTLSTARLE';     ! STARLET library for macros and symbols
: 73      0359 1  | :
: 74      0360 1  | : MACROS:
: 75      0361 1  | :
: 76      0362 1  | :
: 77      0363 1  | :
: 78      0364 1  | : EQUATED SYMBOLS:
: 79      0365 1  | :
: 80      0366 1  | :
: 81      0367 1  | :
: 82      0368 1  | : PSECT DECLARATIONS:
: 83      0369 1  | :
: 84      0370 1  | :
: 85      0371 1  |     DECLARE_PSECTS (FOR); ! declare PSECTs for FOR$ facility
: 86      0372 1  | :
: 87      0373 1  | :
: 88      0374 1  | : OWN STORAGE:
: 89      0375 1  | :
: 90      0376 1  | :
: 91      0377 1  | :
: 92      0378 1  | : EXTERNAL REFERENCES:
: 93      0379 1  | :
: 94      0380 1  | :
: 95      0381 1  | EXTERNAL ROUTINE
: 96      0382 1  |     SYS$CLI: ADDRESSING_MODE(GENERAL), ! Call command language interpreter (CLI)
: 97      0383 1  |     LIB$PUT_OUTPUT: NOVALUE ADDRESSING_MODE(GENERAL); ! Output on device $OUTPUT

```

```

: 99      0384 1 GLOBAL ROUTINE FOR$PAUSE (      ! FORTRAN PAUSE statement
: 100     0385 1      MESSAGE)                ! Adr. of optional string descriptor to output
: 101     0386 1      =                        ! Value returned is $$SUSPND completion code
: 102     0387 1      ++
: 103     0388 1      FUNCTIONAL DESCRIPTION:
: 104     0389 1
: 105     0390 1          FORTRAN PAUSE outputs an optional string on device $OUTPUT
: 106     0391 1          and then calls CLI to pause which puts users back at command level.
: 107     0392 1          If no parameter is given, 'FORTRAN PAUSE' is output.
: 108     0393 1
: 109     0394 1      FORMAL PARAMETERS:
: 110     0395 1
: 111     0396 1          MESSAGE.rt.dx        ! Adr. of optional string descriptor to output
: 112     0397 1
: 113     0398 1      IMPLICIT INPUTS:
: 114     0399 1
: 115     0400 1          Logical device assignment for $OUTPUT (see LIB$PUT_OUTPUT)
: 116     0401 1
: 117     0402 1      IMPLICIT OUTPUTS:
: 118     0403 1
: 119     0404 1          NONE
: 120     0405 1
: 121     0406 1      COMPLETION CODES:
: 122     0407 1
: 123     0408 1          Operating system completion status on SYS$CLI directive
: 124     0409 1
: 125     0410 1      SIDE EFFECTS:
: 126     0411 1
: 127     0412 1          Outputs message on device $OUTPUT and calls SYS$CLI pause function.
: 128     0413 1
: 129     0414 1      --
: 130     0415 1
: 131     0416 2      BEGIN
: 132     0417 2
: 133     0418 2      BUILTIN
: 134     0419 2          ACTUALCOUNT;          ! Return the number of actual parameters
: 135     0420 2      LOCAL T,
: 136     0421 2          DESCR: DSC$DESCRIPTOR;    ! descriptor (needed to be PIC)
: 137     0422 2
: 138     0423 2      IF ACTUALCOUNT() GEQ 1
: 139     0424 2      THEN
: 140     0425 2          LIB$PUT_OUTPUT (.MESSAGE)
: 141     0426 2      ELSE
: 142     0427 2          BEGIN
: 143     0428 2              DESCR[DSC$B_CLASS] = DSC$K_CLASS_S;
: 144     0429 2              DESCR[DSC$B_DTYPE] = DSC$K_DTYPE_T;
: 145     0430 2              DESCR[DSC$W_LENGTH] = 13;
: 146     0431 2              DESCR[DSC$A_POINTER] = UPLIT ('FORTRAN PAUSE');
: 147     0432 2              LIB$PUT_OUTPUT (DESCR);
: 148     0433 2          END;
: 149     0434 2
: 150     0435 2      T = CLISK_CLISERV + CLISK_PAUSE*256;
: 151     0436 2      RETURN SYS$CLI (T);;
: 152     0437 1      END;                      ! End of routine FOR$PAUSE

```

.TITLE FOR\$PAUSE


```

.IDENT \1-003\
.PSECT _FOR$CODE,NOWRT, SHR, PIC,2
00 00 45 53 55 41 50 20 4E 41 52 54 52 4F 46 00000 P.AAA: .ASCII \FORTRAN PAUSE\<0><0><0>
00 0000F
                                .EXTRN SYSS$CLI, LIB$PUT_OUTPUT
                                .ENTRY FOR$PAUSE, Save nothing
                                SUBL2 #12, SP
                                TSTB (AP)
                                BEQL 1$
                                PUSHL MESSAGE
                                BRB 2$
                                04 5E          0000 00000
                                0C C2 00002
                                6C 95 00005
                                05 13 00007
                                04 AC DD 00009
                                10 11 0000C
                                04 AE 010E000D 8F D0 0000E 1$:
                                08 AE          D7 AF 9E 00016
                                04 AE 9F 0001B
                                00000000G 00 01 FB 0001E 2$:
                                6E          0105 8F 3C 00025
                                SE DD 0002A
                                00000000G 00 01 FB 0002C
                                04 00033
                                RET
                                : 0384
                                :
                                : 0423
                                :
                                : 0425
                                :
                                : 0430
                                : 0431
                                : 0432
                                :
                                : 0435
                                : 0436
                                : 0437

```

```

: Routine Size: 52 bytes, Routine Base: _FOR$CODE + 0010
: 153          0438 1 END          ! End of module FOR$PAUSE
: 154          0439 0 ELUDOM

```

PSECT SUMMARY

Name	Bytes	Attributes
_FOR\$CODE	68	NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Symbols		Pages Mapped	Processing Time
	Total	Loaded Percent		
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	8 0	581	00:01.0

FOR\$PAUSE
1-003

C 15
16-Sep-1984 00:41:26
14-Sep-1984 12:32:19

VAX-11 Bliss-32 V4.0-742
[FORRTL.SRC]FORPAUSE.B32;1

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COMMAND QUALIFIERS

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

: Size: 52 code + 16 data bytes
: Run Time: 00:04.6
: Elapsed Time: 00:13.8
: Lines/CPU Min: 5763
: Lexemes/CPU-Min: 21676
: Memory Used: 50 pages
: Compilation Complete

The image displays a grid of 120 small, illegible screenshots of VAX/VMS system output, arranged in 10 rows and 12 columns. The screenshots are too small to read, but they appear to contain various system messages, command-line interactions, and data listings. Some screenshots are more prominent than others, showing text like "FORRAB LIS", "FORREADDF LIS", "FOROPEN LIS", "FOROPENDE LIS", "FOROPNKEY LIS", "FORPAUSE LIS", "FORRANDOM LIS", and "FORREADO LIS".