







```

1 0001 0 MODULE RETDIR (
2 0002 0
3 0003 0     LANGUAGE (BLISS32),
4 0004 0     IDENT = 'V04-000'
5 0005 1 BEGIN
6 0006 1
7 0007 1
8 0008 1 *****
9 0009 1 *
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27 0027 1 *
28 0028 1 *
29 0029 1 *****
30 0030 1
31 0031 1 **
32 0032 1
33 0033 1 FACILITY: F11ACP Structure Level 1
34 0034 1
35 0035 1 ABSTRACT:
36 0036 1
37 0037 1     This routine returns the resulting data from a directory
38 0038 1     operation to the user's buffer packet.
39 0039 1
40 0040 1 ENVIRONMENT:
41 0041 1
42 0042 1     STARLET operating system, including privileged system services
43 0043 1     and internal exec routines. This routine must be called
44 0044 1     in kernel mode.
45 0045 1
46 0046 1 --
47 0047 1
48 0048 1
49 0049 1 AUTHOR: Andrew C. Goldstein, CREATION DATE: 3-Jan-1977 15:07
50 0050 1
51 0051 1 MODIFIED BY:
52 0052 1
53 0053 1     A0100 ACG0001 Andrew C. Goldstein, 10-Oct-1978 20:01
54 0054 1     Previous revision history moved to F11A.REV
55 0055 1
56 0056 1 **
57 0057 1
    
```

RETDIR  
V04-000

K 11  
16-Sep-1984 01:15:21  
14-Sep-1984 12:29:49

VAX-11 Bliss-32 V4.0-742  
DISK\$VMMASTER:[F11A.SRC]RETDIR.B32;1 Page (1) 2

```
: 58
: 59
: 60
0058 1
0059 1 LIBRARY 'SYSS$LIBRARY:LIB.L32';
0060 1 REQUIRE 'SRC$:FCPDEF.B32';
```



```

62 0375 1 GLOBAL ROUTINE RETURN_DIR (COUNT, STRING, ABD) : NOVALUE =
63 0376 1
64 0377 1 !++
65 0378 1
66 0379 1 FUNCTIONAL DESCRIPTION:
67 0380 1
68 0381 1 This routine returns the resulting data from a directory
69 0382 1 operation to the user's buffer packet.
70 0383 1
71 0384 1 CALLING SEQUENCE:
72 0385 1 RETURN_DIR (ARG1, ARG2, ARG3)
73 0386 1
74 0387 1 INPUT PARAMETERS:
75 0388 1 ARG1: byte count of result string
76 0389 1 ARG2: address of result string
77 0390 1 ARG3: address of buffer descriptors
78 0391 1
79 0392 1 IMPLICIT INPUTS:
80 0393 1 NONE
81 0394 1
82 0395 1 OUTPUT PARAMETERS:
83 0396 1 NONE
84 0397 1
85 0398 1 IMPLICIT OUTPUTS:
86 0399 1 NONE
87 0400 1
88 0401 1 ROUTINE VALUE:
89 0402 1 NONE
90 0403 1
91 0404 1 SIDE EFFECTS:
92 0405 1 result data written into buffer packet
93 0406 1
94 0407 1 --
95 0408 1
96 0409 2 BEGIN
97 0410 2
98 0411 2 MAP
99 0412 2 STRING : REF VECTOR [,BYTE], ! file string arg
100 0413 2 ABD : REF BBLOCKVECTOR [,ABD$C_LENGTH];
101 0414 2 ! descriptor arg
102 0415 2
103 0416 2
104 0417 2 ! If the user provided a result length buffer, give him the length
105 0418 2 of the result string.
106 0419 2
107 0420 2
108 0421 2 IF .ABD[ABD$C_RESL, ABD$W_COUNT] GEQ 2
109 0422 2 THEN
110 0423 2 BEGIN
111 0424 2 (.ABD[ABD$C_RESL, ABD$W_TEXT] + ABD[ABD$C_RESL, ABD$W_TEXT] + 1) < 0, 16 > = .COUNT;
112 0425 2 END;
113 0426 2
114 0427 2 ! If the user provided a result string buffer, return as much of the
115 0428 2 result string as will fit (zero filling the buffer).
116 0429 2
117 0430 2
118 0431 2 CH$COPY (.COUNT, .STRING, 0,

```





RETDIR  
V04-000

N 11  
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VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[F11A.SRC]RETDIR.B32;1 Page 5 (2)

COMMAND QUALIFIERS

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

: Size: 46 code + 0 data bytes  
: Run Time: 00:05.3  
: Elapsed Time: 00:15.7  
: Lines/CPU Min: 4939  
: Lexemes/CPU-Min: 13601  
: Memory Used: 63 pages  
: Compilation Complete



The image displays a grid of 100 terminal windows, arranged in 10 rows and 10 columns. Each window contains a program name followed by the letters 'LIS'. The programs are: Row 1: REQUEL LIS, RWATTR LIS; Row 2: MOOTFY LIS; Row 3: SCHFCB LIS; Row 4: MAKACC LIS; Row 5: MPWIND LIS; Row 6: MAPUBN LIS, PMS LIS, RDHEDR LIS, RWJB LIS; Row 7: RETDIR LIS; Row 8: ROBLOK LIS; Row 9: SMALOC LIS; Row 10: MAKMBE LIS, MAKSTR LIS, MXTHOR LIS. The background of each window is dark with light-colored text and some graphical elements like bar charts.