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MM      MM      AAAAAA  TTTTTTTTTT  CCCCCCCC  HH      HH      NN      NN      AAAAAA  MM      MM      EEEEEEEEEE
MM      MM      AAAAAA  TTTTTTTTTT  CCCCCCCC  HH      HH      NN      NN      AAAAAA  MM      MM      EEEEEEEEEE
MMMM    MMMM    AA      AA      TT      CC      CC      HH      HH      NN      NN      AA      AA  MMMM    MMMM    EE
MMMM    MMMM    AA      AA      TT      CC      CC      HH      HH      NN      NN      AA      AA  MMMM    MMMM    EE
MM      MM      AA      AA      TT      CC      CC      HH      HH      NNNN   NN      AA      AA  MM      MM      EE
MM      MM      AA      AA      TT      CC      CC      HH      HH      NNNN   NN      AA      AA  MM      MM      EE
MM      MM      AA      AA      TT      CC      CC      HHHHHHHHHH  NN      NN      AA      AA  MM      MM      EEEEEEEE
MM      MM      AA      AA      TT      CC      CC      HHHHH4HHHHH  NN      NN      AA      AA  MM      MM      EEEEEEEE
MM      MM      AAAAAAAAAA  TT      CC      CC      HH      HH      NN      NNNN  AAAAAAAAAA  MM      MM      EE
MM      MM      AAAAAAAAAA  TT      CC      CC      HH      HH      NN      NNNN  AAAAAAAAAA  MM      MM      EE
MM      MM      AA      AA      TT      CC      CC      HH      HH      NN      NN      AA      AA  MM      MM      EE
MM      MM      AA      AA      TT      CCCCCCCC  HH      HH      NN      NN      AA      AA  MM      MM      EEEEEEEEEE
MM      MM      AA      AA      TT      CCCCCCCC  HH      HH      NN      NN      AA      AA  MM      MM      EEEEEEEEEE

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LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
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LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```

(2) 53

FMGSMATCH_NAME, general wild card matching

.....

```
0000 1      .TITLE MATCHNAME      Match General Wild Card Specification
0000 2      .IDENT 'V04-000'
0000 3
0000 4
0000 5 :*****
0000 6 :*
0000 7 :*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 17 :*
0000 18 :*  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 19 :*  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20 :*  CORPORATION.
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: Files-11 Structure Level 2
0000 31
0000 32 : ABSTRACT:
0000 33
0000 34 :     This routine performs the general embedded wild card matching
0000 35 :     algorithm.
0000 36
0000 37 : ENVIRONMENT:
0000 38
0000 39 :     VAX/VMS Operating System
0000 40
0000 41 : --
0000 42
0000 43
0000 44 : AUTHOR: Andrew C. Goldstein, CREATION DATE: 10-Aug-1979 11:36
0000 45
0000 46 : MODIFIED BY:
0000 47
0000 48 :     V02-001 MLJ0031      Martin L. Jack, 4-Aug-1981 6:32
0000 49 :     Reorganize for simplicity and speed.
0000 50
0000 51 : **
```

```

0000 53      .SBTTL  FMGSMATCH_NAME, general wild card matching
0000 54
0000 55      :++
0000 56      :
0000 57      : Functional Description:
0000 58      :   This routine performs the general embedded wild card matching
0000 59      :   algorithm.
0000 60      :
0000 61      : Calling Sequence:
0000 62      :   JSB
0000 63      :
0000 64      : Input Parameters:
0000 65      :   R2 = Length of candidate string.
0000 66      :   R3 = Address of candidate string.
0000 67      :   R4 = Length of pattern string.
0000 68      :   R5 = Address of pattern string.
0000 69      :
0000 70      : Implicit Inputs:
0000 71      :   none
0000 72      :
0000 73      : Output Parameters:
0000 74      :   none
0000 75      :
0000 76      : Implicit Outputs:
0000 77      :   none
0000 78      :
0000 79      : Routines Called:
0000 80      :   none
0000 81      :
0000 82      : Routine Value:
0000 83      :   True if the strings match.
0000 84      :
0000 85      : Signals:
0000 86      :   none
0000 87      :
0000 88      : Side Effects:
0000 89      :   R1-R5 destroyed.
0000 90      :
0000 91      :--
0000 92
00000000 93      .PSECT  $CODE$,NOWRT,EXE,WORD
0000 94
0000 95  FMGSMATCH_NAME::
03C0 8F  BB 0000 96      PUSHR  #^M<R6,R7,R8,R9>      ; Save registers
      50  D4 0004 97      CLRL   R0              ; Assume failure
      56  D4 0006 98      CLRL   R6              ; Clear saved candidate count
      0008 99      :
      0008 100     : Main scanning loop.
      0008 101     :
      54  D7 0008 102     10$:  DECL   R4              ; Pattern exhausted?
      24  19 000A 103     BLSS   30$              ; Branch if yes
      51  85  9A 000C 104     MOVZBL (R5)+,R1          ; Get next character in pattern
      2A  51  91 000F 105     CMPB   R1,#^A'^+      ; Pattern specifies wild string?
      28  13 0012 106     BEQL   60$              ; Branch if yes
      52  D7 0014 107     DECL   R2              ; Candidate exhausted?
      1F  19 0016 108     BLSS   50$              ; Branch if yes
      83  51  91 0018 109     CMPB   R1,(R3)+      ; Compare pattern to candidate
  
```

```

25 EB 13 001B 110 BEQL 10$ ; Branch if pattern equals candidate
    51 91 001D 111 CMPB R1,#^A'%' ; Pattern specifies wild character?
    E6 13 0020 112 BEQL 10$ ; Branch if yes
        0022 113 ;
        0022 114 ; We have detected a mismatch, or we are out of pattern while there is
        0022 115 ; candidate left. Back up to the last '*', advance a candidate character,
        0022 116 ; and try again.
        0022 117 ;
    56 D7 0022 118 20$: DECL R6 ; Count a saved candidate character
    11 19 0024 119 BLSS 50$ ; Branch if no saved candidate
    57 D6 0026 120 INCL R7 ; Set to try next character
52 56 7D 0028 121 MOVQ R6,R2 ; Restore descriptors to backup point
54 58 7D 002B 122 MOVQ R8,R4 ;
    DB 11 002E 123 BRB 10$ ; Continue testing
        0030 124 ;
        0030 125 ; Here when pattern is exhausted.
        0030 126 ;
    52 D5 0030 127 30$: TSTL R2 ; Candidate exhausted?
    EE 12 0032 128 BNEQ 20$ ; Branch if no
        0034 129 ;
        0034 130 ; Here to return.
        0034 131 ;
50 01 D0 0034 132 40$: MOVL #1,R0 ; Set success return
03C0 BF BA 0037 133 50$: POPR #^M<R6,R7,R8,R9> ; Restore registers
    05 003B 134 RSB ; Return
        003C 135 ;
        003C 136 ; We have detected a '*' in the pattern. Save the pointers for backtracking.
        003C 137 ;
    54 D5 003C 138 60$: TSTL R4 ; Pattern null after '*'?
    F4 13 003E 139 BEQL 40$ ; Branch if yes
56 52 7D 0040 140 MOVQ R2,R6 ; Save descriptors of both strings
58 54 7D 0043 141 MOVQ R4,R8 ;
    C0 11 0046 142 BRB 10$ ; Continue testing
        0048 143 ;
        0048 144 .END
  
```

```

ACL_TYPE      = 00000007
AQB_TYPE      = 00000005
BITMAP_TYPE   = 00000001
CACHE_TYPE    = 00000006
CHIP_TYPE     = 00000008
DATA_TYPE     = 00000004
DIRECTORY_TYPE = 00000002
FCB_TYPE      = 00000000
FMGSMATCH_NAME = 00000000 RG 01
HEADER_TYPE   = 00000000
INDEX_TYPE    = 00000003
MVL_TYPE      = 00000004
QUOTA_TYPE    = 00000005
RVT_TYPE      = 00000003
VCB_TYPE      = 00000002
WCB_TYPE      = 00000001
    
```

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$CODE\$	00000048 (72.)	01 (1.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC WORD

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	30	00:00:00.08	00:00:00.33
Command processing	127	00:00:00.69	00:00:02.53
Pass 1	85	00:00:00.67	00:00:02.66
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	42	00:00:00.44	00:00:01.15
Symbol table output	2	00:00:00.02	00:00:00.02
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	290	00:00:01.93	00:00:06.72

The working set limit was 750 pages.
 2825 bytes (6 pages) of virtual memory were used to buffer the intermediate code.
 There were 10 pages of symbol table space allocated to hold 16 non-local and 6 local symbols.
 245 source lines were read in Pass 1, producing 11 object records in Pass 2.
 2 pages of virtual memory were used to define 2 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0
TOTALS (all libraries)	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:MATCHNAME/OBJ=OBJ\$:MATCHNAME MSRCS:FCPPRF/UPDATE=(ENH\$:FCPPRE)+MSRCS:MATCHNAME/UPDATE-(ENH\$:MATCHNAME)+EXECMLS/LIB

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0171 AH-BT13A-SE
VAX/VMS V4.0

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This image shows a dense grid of 121 small screenshots, each representing a different system screen or command output from the VAX/VMS operating system. The screens are arranged in a roughly rectangular grid, with some overlapping. The text on the screens is small and mostly illegible due to the low resolution and high density. However, several screens are clearly visible and contain identifiable text, such as:

- LOCKDB LIS
- LOCKERS LIS
- MAKPTR LIS
- MATCHNAME LIS
- MPWIND LIS
- PARSNM LIS
- MAPVBN LIS
- MODIFY LIS
- MOUNT LIS
- NXTHOR LIS
- MAKMB LIS
- MAKSTR LIS
- PMS LIS
- QIOTAUTIL LIS

The overall appearance is that of a comprehensive set of reference materials for the VAX/VMS system, covering a wide range of system functions and commands.