

FFFFFFFFFFFFFFFF	111	111	XXX	XXX
FFFFFFFFFFFFFFFF	111	111	XXX	XXX
FFFFFFFFFFFFFFFF	111	111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111111	111111	XXX	XXX
FFF	111	111	XXX XXX	XXX
FFF	111	111	XXX XXX	XXX
FFF	111	111	XXX XXX	XXX
FFFFFFFF.FFF	111	111	XXX	XXX
FFFFFFFFFFFF	111	111	XXX	XXX
FFFFFFFFFFFF	111	111	XXX	XXX
FFF	111	111	XXX XXX	XXX
FFF	111	111	XXX XXX	XXX
FFF	111	111	XXX XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	1111111111	1111111111	XXX	XXX
FFF	1111111111	1111111111	XXX	XXX
FFF	1111111111	1111111111	XXX	XXX

\_\$25  
Symt  
----  
IOCI  
IO-C  
IO-C  
IO-C  
IO-F  
IO-S  
KICL  
KILL  
KILL  
LB-E  
LB-C  
LB-F  
LB-L  
LOCAL  
LOCAL  
LOCK  
LOCK  
LOCK  
LOCK  
LOC-  
LOC-  
L-CC  
L-CC  
L-CC  
L-DA  
L-DA  
MAIN  
MAKE  
MAKE  
MAKE  
MAKE  
MAKE  
MAKE  
MAKE  
MAKE  
MAKE  
MAKE  
MAKE  
MAP-  
MAP-  
MAP  
MAP  
MAP  
MAP

```

LL      000000  CCCCCCCC  KK      KK  DDDDDDDD  BBBB8888
LL      000000  CCCCCCCC  KK      KK  DDDDDDDD  BBBB8888
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LL      00      00  CC      CC      KK      KK  DD      DD  BB      BB
LLLLLLLLLLLL  000000  CCCCCCCC  KK      KK  DDDDDDDD  BBBB8888
LLLLLLLLLLLL  000000  CCCCCCCC  KK      KK  DDDDDDDD  BBBB8888

```

```

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
LLLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLLL  IIIIII  SSSSSSSS

```

```

0000 1      .TITLE LOCKDB - LOCK AND UNLOCK I/O DATA BASE
0000 2      .IDENT 'V04-000'
0000 3
0000 4
0000 5 :*****
0000 6 :
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0000 24 :*
0000 25 :*
0000 26 :*****
0000 27
0000 28 :++
0000 29
0000 30 : FACILITY: F11ACP STRUCTURE LEVEL 1
0000 31
0000 32 : ABSTRACT:
0000 33
0000 34 :     THESE ROUTINES LOCK AND UNLOCK THE I/O DATA BASE MUTEX.
0000 35 :     NEEDLESS TO SAY, THEY MUST BE CALLED IN KERNEL MODE.
0000 36
0000 37 : ENVIRONMENT:
0000 38
0000 39 :     STARLE OPERATING SYSTEM, INCLUDING PRIVILEGED SYSTEM SERVICES
0000 40 :     AND INTERNAL EXEC ROUTINE.
0000 41
0000 42 :--
0000 43
0000 44 : AUTHOR: ANDREW C. GOLDSTEIN, CREATION DATE: 29-APR-1977 15:31
0000 45
0000 46 : MODIFIED BY:
0000 47
0000 48 :     A0100 ACG00001 Andrew C. Goldstein, 10-Oct-1978 20:04
0000 49 :     Previous revision history moved to F11A.REV
0000 50 :**
0000 51
0000 52
0000 53 $PRDEF ; DEFINE PROCESOR REGISTER NUMBERS

```

```

0000 55 : **
0000 56 :
0000 57 : FUNCTIONAL DESCRIPTION:
0000 58 :
0000 59 :     THIS ROUTINE LOCKS THE I/O DATA BASE MUTEX.
0000 60 :
0000 61 : CALLING SEQUENCE:
0000 62 :     CALL LOCK_IODB ( )
0000 63 :
0000 64 : INPUT PARAMETERS:
0000 65 :     NONE
0000 66 :
0000 67 : IMPLICIT INPUTS:
0000 68 :     NONE
0000 69 :
0000 70 : OUTPUT PARAMETERS:
0000 71 :     NONE
0000 72 :
0000 73 : IMPLICIT OUTPUTS:
0000 74 :     NONE
0000 75 :
0000 76 : ROUTINE VALUE:
0000 77 :     NONE
0000 78 :
0000 79 : SIDE EFFECTS:
0000 80 :     I/O DATA BASE MUTEX LOCKED
0000 81 :
0000 82 : --
0000 83 :
00000000 84 : .PSECT $LOCKEDC1$,NOWRT
0000 85 :
0000 86 LOCK_IODB::
50 00000000'9F 003C 0000 87 : .WORD ^M<R2,R3,R4,R5> ; SAVE REGISTERS
54 00000000'9F D0 0002 88 : MOVAL @#IOC$GL_Mutex,R0 ; GET I/O DATA BASE MUTEX
00000000'9F 16 0009 89 : MOVL @#SCH$GL_CURPCB,R4 ; GET OWN PCB ADDRESS
00000000'9F 04 0010 90 : JSB @#SCH$LOCKW ; AND LOCK IT
0000 0016 91 : RET

```

```

0017 93 :++
0017 94 :
0017 95 : FUNCTIONAL DESCRIPTION:
0017 96 :
0017 97 :     THIS ROUTINE UNLOCKS THE I/O DATA BASE MUTEX.
0017 98 :
0017 99 : CALLING SEQUENCE:
0017 100 :     CALL UNLOCK_IODB ( )
0017 101 :
0017 102 : INPUT PARAMETERS:
0017 103 :     NONE
0017 104 :
0017 105 : IMPLICIT INPUTS:
0017 106 :     NONE
0017 107 :
0017 108 : OUTPUT PARAMETERS:
0017 109 :     NONE
0017 110 :
0017 111 : IMPLICIT OUTPUTS:
0017 112 :     NONE
0017 113 :
0017 114 : ROUTINE VALUE:
0017 115 :     NONE
0017 116 :
0017 117 : SIDE EFFECTS:
0017 118 :     I/O DATA BASE MUTEX UNLOCKED
0017 119 :     IPL LOWERED TO 0
0017 120 :
0017 121 :--

```

```

50 00000000'9F 003C 0017 123 UNLOCK_IODB::
54 00000000'9F DE 0019 124 .WORD ^M<R2,R3,R4,R5> ; SAVE REGISTERS
00000000'9F D0 0020 125 MOVAL @#IOC$GL_MUTEX,R0 ; GET I/O DATA BASE MUTEX
00000000'9F 16 0027 126 MOVL @#SCH$GL_CURPCB,R4 ; AND OWN PCB ADDRESS
002D 127 JSB @#SCH$UNLOCK ; AND UNLOCK IT
04 0030 128 SETIPL #0 ; ALSO LOWER IPL
0031 129 RET
0031 130
0031 131
0031 132
0031 133 .END

```

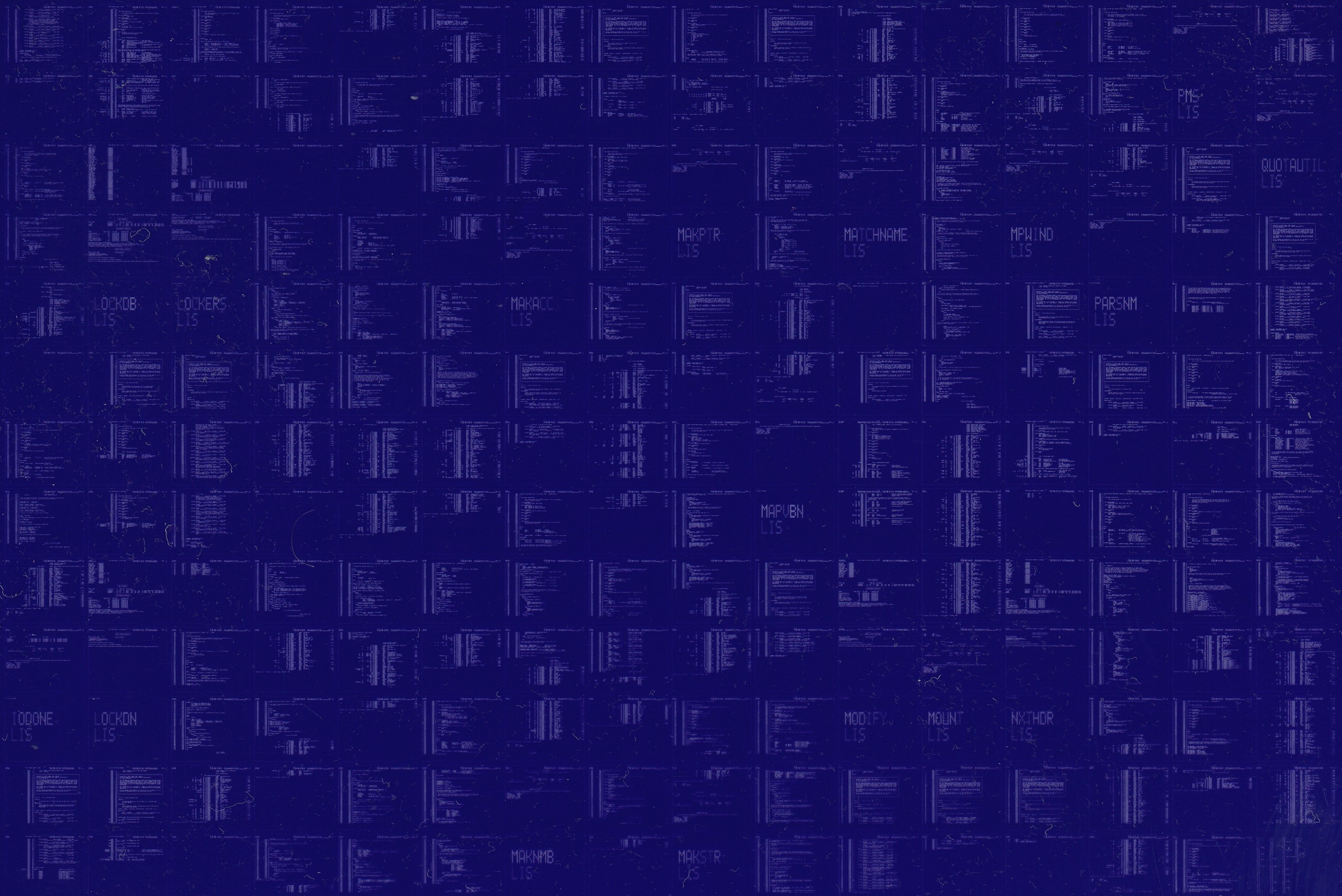






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MAKACC  
LIS

PARSNM  
LIS

MAPVBN  
LIS

TODONE  
LIS

LOCKDN  
LIS

MODIFY  
LIS

MOUNT  
LIS

NYTHOR  
LIS

MAKNMB  
LIS

MAKSTR  
LIS