```
/*****************************************************************************

                        SPOOL
                        MTABLE.LST
                        05/04/82
                        15:57:28


*****************************************************************************/
```

```
SERIES-III 8086/8087/8088 MACRO ASSEMBLER V1.1 ASSEMBLY OF MODULE NMLTABLES
OBJECT MODULE PLACED IN :F1:MTABLE.OBJ
ASSEMBLER INVOKED BY:  ASM86.86 :F1:MTABLE.SRC PRINT(:F1:MTABLE.LST) DEBUG

LOC  OBJ                  LINE     SOURCE

                             1             NAME    NMLTABLES
                             2 +1  $include(:f1:cpyrt.dca)
                         =1  3     ;
                         =1  4     ;               /* Intel Corporation Proprietary Information.
                         =1  5     ;               This listing is supplied under the terms of a
                         =1  6     ;               license agrement with Intel Corporaton and
                         =1  7     ;               may not be copied nor disclosed except in
                         =1  8     ;               accordance with the terms of that agreement. */
                         =1  9     ;
                            10 +1  $INCLUDE(:F1:SYSGEN.geo)
                         =1 11     ;;;     (C) INTEL CORPORATION 1981.  ALL RIGHTS RESERVED.  NO PART
                         =1 12     ;       OF THIS PROGRAM OR PUBLICATION MAY BE  REPRODUCED,  TRANS-
                         =1 13     ;       MITTED,  TRANSCRIBED,  STORED IN A RETRIEVAL SYSTEM,  OR
                         =1 14     ;       TRANSLATED INTO ANY LANGUAGE OR COMPUTER LANGUAGE,  IN ANY
                         =1 15     ;       FORM OR BY ANY MEANS,  ELECTRONIC, MECHANICAL, MAGNETIC,
                         =1 16     ;       OPTICAL, CHEMICAL, MANUAL OR OTHERWISE,  WITHOUT THE PRIOR
                         =1 17     ;       WRITTEN PERMISSION OF INTEL CORPORATION, 3065 BOWERS AVENUE,
                         =1 18     ;       SANTA CLARA, CALIFORNIA, 95051, ATTN: SOFTWARE LICENSE
                         =1 19     ;       ADMINISTRATION.
                         =1 20
                         =1 21
                         =1 22
                         =1 23
                         =1 24     ;;;     GROUPDEF - DEFINE LINKER GROUPS
                         =1 25     ;
                         =1 26     ;          THIS MACRO DEFINES CGRUOP AND DGROUP.
                         =1 27
                         =1 28
                         =1 29
                         =1 30
                         =1 31
                         =1 32
                         =1 33
                         =1 34     ;;;     OBJECTLIST (NAME) - START OBJECT LIST FOR "CREATELIST".
                         =1 35     ;
                         =1 36     ;          THIS MACRO GIVES A NAME TO AND MARKS THE BEGINNING OF
                         =1 37     ;       A LIST TO BE PASSED TO "CREATELIST".
                         =1 38     ;
                         =1 39     ;       PARAMETER:
                         =1 40     ;          NAME - THE NAME TO BE DECLARED PUBLIC AS THE NAME OF THIS LIST.
                         =1 41
                         =1 42
                         =1 43
                         =1 44
                         =1 45
                         =1 46
                         =1 47
                         =1 48     ;;;     PROCESS (PRI, ENTRY, STACKSIZE) - CREATE PCB AND STACK FOR PROCESS.
                         =1 49     ;
                         =1 50     ;       PARAMETERS:
```

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LOC  OBJ                  LINE     SOURCE

                     =1     51     ;           PRI - THE PRIORITY OF THE PROCESS, ZERO BEING THE HIGHEST
                     =1     52     ;              AND SIZE-1 (FROM THE "READYLIST" MACRO) BEING THE LOWEST.
                     =1     53     ;           ENTRY - THE ENTRY NAME OF THE PROCESS.  THIS SYMBOL
                     =1     54     ;              WILL BE DECLARED EXTERNAL.
                     =1     55     ;           STACKSIZE - THE NUMBER OF BYTES OF USER SPACE TO
                     =1     56     ;              CREATE IN THE STACK.
                     =1     57
                     =1     58
                     =1     59
                     =1     60
                     =1     61
                     =1     62
                     =1     63
                     =1     64     ;;;     SEMAPHORE (NAME, INITIAL) - CREATE SEMAPHORE.
                     =1     65     ;
                     =1     66     ;       PARAMETERS:
                     =1     67     ;          NAME - THE NAME OF THE SEMAPHORE.  THIS NAME WILL BE
                     =1     68     ;             DECLARED PUBLIC.
                     =1     69     ;          INITIAL - THE INITIAL NUMBER OF SIGNALS ON THE SEMAPHORE.
                     =1     70
                     =1     71
                     =1     72
                     =1     73
                     =1     74
                     =1     75
                     =1     76
                     =1     77     ;;;     MAILBOX (NAME) - CREATE MAILBOX.
                     =1     78     ;
                     =1     79     ;       PARAMETER:
                     =1     80     ;          NAME - THE NAME OF THE MAILBOX.  THIS NAME WILL BE
                     =1     81     ;             DECLARED PUBLIC.
                     =1     82
                     =1     83
                     =1     84
                     =1     85
                     =1     86
                     =1     87
                     =1     88
                     =1     89     ;;;     ALARM(NAME) - CREATE ALARM CONTROL BLOCK.
                     =1     90     ;
                     =1     91     ;       PARAMETERS:
                     =1     92     ;          SIZE - NUMBER OF PRIORITIES IN READY LIST.
                     =1     93
                     =1     94
                     =1     95
                     =1     96
                     =1     97
                     =1     98
                     =1     99
                     =1    100     ;;;     READYLIST - DEFINE READY LIST.
                     =1    101     ;
                     =1    102     ;       PARAMETERS:
                     =1    103     ;          SIZE - NUMBER OF PRIORITIES IN READY LIST.
                     =1    104
                     =1    105
```

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LOC  OBJ                  LINE      SOURCE

                     =1    106
                     =1    107
                     =1    108
                     =1    109
                     =1    110
                     =1    111       ;;;     ENDLIST - MARK END OF LIST.
                     =1    112       ;
                     =1    113       ;       PARAMETERS:
                     =1    114       ;          NONE.
                     =1    115
                     =1    116
                     =1    117
                           118
                           119 +1
                           120 +1    CGROUP  GROUP   CODE
                           121 +1    DGROUP  GROUP   DATA,STACKS
                           122 +1
                           123 +1
----                       124 +1    CODE    SEGMENT PUBLIC 'CODE'
                           125 +2            PUBLIC  STARTINGLIST
  0000                     126 +2    STARTINGLIST    EQU     $
----                       127 +1    CODE    ENDS
                           128 +1
                           129
                           130 +1
                           131 +2            EXTRN   NML:FAR
----                       132 +1    CODE    SEGMENT PUBLIC 'CODE'
0000 02                    133 +1            DB      2
0001 0000            R     134 +2            DW      OFFSET DGROUP:PCB_NML
0003 0600                  135 +2            DW      6
0005 0000            E     136 +2            DW      OFFSET CGROUP:NML
0007 6E00            R     137 +2            DW      OFFSET DGROUP:STK_NML
----                       138 +1    CODE    ENDS
----                       139 +1    DATA    SEGMENT PUBLIC 'DATA'
0000 (7                    140 +2    PCB_NML DW      7 DUP (?)
     ????
     )
----                       141 +1    DATA    ENDS
----                       142 +1    STACKS  SEGMENT PUBLIC 'STACKS'         ;CREATE STACK
0000 (55                   143 +2    LIM_NML DW      37H DUP (0AAAAH)
     AAAA
     )
  006E                     144 +2    STK_NML EQU $
----                       145 +1    STACKS  ENDS
                           146
                           147 +1
                           148 +2            EXTRN   REMOTEEXECUTOR:FAR
----                       149 +1    CODE    SEGMENT PUBLIC 'CODE'
0009 02                    150 +1            DB      2
000A 0E00            R     151 +2            DW      OFFSET DGROUP:PCB_REMOTEEXECUTOR
000C 0600                  152 +2            DW      6
000E 0000            E     153 +2            DW      OFFSET CGROUP:REMOTEEXECUTOR
0010 0C00            R     154 +2            DW      OFFSET DGROUP:STK_REMOTEEXECUTOR
----                       155 +1    CODE    ENDS
----                       156 +1    DATA    SEGMENT PUBLIC 'DATA'
```

```
LOC  OBJ                  LINE     SOURCE

000E (7                    157 +2  PCB_REMOTEEXECUTOR      DW      7 DUP (?)
     ????
     )
----                       158 +1  DATA    ENDS
----                       159 +1  STACKS  SEGMENT PUBLIC 'STACKS'          ;CREATE STACK
006E (55                   160 +2  LIM_REMOTEEXECUTOR      DW      37H DUP (0AAAAH)
     AAAA
     )
  00DC                     161 +2  STK_REMOTEEXECUTOR      EQU $
----                       162 +1  STACKS  ENDS
                           163
                           164 +1
                           165 +2          PUBLIC  NMLMBX1
----                       166 +1  CODE    SEGMENT PUBLIC 'CODE'
0012 06                    167 +1          DB      6
0013 1C00           R      168 +2          DW      OFFSET DGROUP:NMLMBX1
----                       169 +1  CODE    ENDS
----                       170 +1  DATA    SEGMENT PUBLIC 'DATA'
001C (8                    171 +2  NMLMBX1 DW      8 DUP (?)
     ????
     )
----                       172 +1  DATA    ENDS
                           173
                           174 +1
                           175 +2          PUBLIC  NMLMBX2
----                       176 +1  CODE    SEGMENT PUBLIC 'CODE'
0015 06                    177 +1          DB      6
0016 2C00           R      178 +2          DW      OFFSET DGROUP:NMLMBX2
----                       179 +1  CODE    ENDS
----                       180 +1  DATA    SEGMENT PUBLIC 'DATA'
002C (8                    181 +2  NMLMBX2 DW      8 DUP (?)
     ????
     )
----                       182 +1  DATA    ENDS
                           183
                           184 +1
                           185 +2          PUBLIC  NMLMBX3
----                       186 +1  CODE    SEGMENT PUBLIC 'CODE'
0018 06                    187 +1          DB      6
0019 3C00           R      188 +2          DW      OFFSET DGROUP:NMLMBX3
----                       189 +1  CODE    ENDS
----                       190 +1  DATA    SEGMENT PUBLIC 'DATA'
003C (8                    191 +2  NMLMBX3 DW      8 DUP (?)
     ????
     )
----                       192 +1  DATA    ENDS
                           193
                           194 +1
                           195 +2          PUBLIC  NMLMBX4
----                       196 +1  CODE    SEGMENT PUBLIC 'CODE'
001B 06                    197 +1          DB      6
001C 4C00           R      198 +2          DW      OFFSET DGROUP:NMLMBX4
----                       199 +1  CODE    ENDS
----                       200 +1  DATA    SEGMENT PUBLIC 'DATA'
004C (8                    201 +2  NMLMBX4 DW      8 DUP (?)
```

```
LOC  OBJ                  LINE     SOURCE

     ????
     )
----                       202 +1  DATA    ENDS
                           203
                           204
                           205 +1
----                       206 +1  CODE    SEGMENT PUBLIC 'CODE'
001E 00                    207 +1          DB      0
----                       208 +1  CODE    ENDS
                           209 +1
                           210
----                       211     CODE    SEGMENT PUBLIC 'CODE'
                           212             EXTRN   CQCREATELIST:NEAR
                           213             ASSUME  CS:CGROUP
                           214
                           215             PUBLIC  NMLSTART
001F                       216     NMLSTART:
001F 0E                    217             PUSH    CS              ;CREATE OBJECTS
0020 B80000          R     218             MOV     AX,OFFSET CGROUP:STARTINGLIST
0023 50                    219             PUSH    AX
0024 E80000          E     220             CALL    CQCREATELIST
0027 C3                    221             RET
                           222
----                       223     CODE    ENDS
                           224
                           225             END
```

ASSEMBLY COMPLETE, NO ERRORS FOUND