```
RES     EQU     p2.0
CS      EQU     p2.3
R_D       EQU     p2.1
R_W     EQU     p2.2
A0      EQU     p2.4

ORG       00H
jmp chip_select

CHIP_SELECT:
        CLR     RES
         NOP
         NOP
         SETB    RES
         NOP
         NOP
         ;LCALL INTI
         ;LCALL INTI
         LCALL INTI
         LCALL DELAY2
         ;LCALL INTI

         LCALL    CG_RAM          ; ALL POINTS ON(TEST1)
         LCALL    CSRW
         LCALL    CSR_DIR
         LCALL    CSR_FORM
         LCALL    DISP_ON
         ;LCALL    DELAY
         LCALL    TEST1
         LCALL    DELAY

         ;LCALL    CG_RAM          ; SQUARE ON(TEST2)
         ;LCALL    CSRW
         ;LCALL    CSR_DIR
         ;LCALL    CSR_FORM
         ;LCALL    DISP_ON
         ;LCALL    TEST2
         ;LCALL    DELAY
         LCALL    CG_RAM
         LCALL    CSRW
         LCALL    CSR_DIR        ;ALL CHECKER ON
         LCALL    CSR_FORM
         LCALL    DISP_ON
         LCALL    CHECKER
         LCALL    DELAY

         ;LCALL    CG_RAM          ; ALL ROW ON SCREEN(TEST3)
         ;LCALL    CSRW
         ;LCALL    CSR_DIR
         ;LCALL    CSR_FORM
         ;LCALL    DISP_ON
         ;LCALL    ROW
         ;LCALL    DELAY

         LCALL    CG_RAM          ; ALL COLUMN ON SCREEN(TEST4)
         LCALL    CSRW
         LCALL    CSR_DIR
         LCALL    CSR_FORM
         LCALL    DISP_ON
         LCALL    COLUMN
         LCALL    DELAY

         LCALL    CG_RAM          ; ALL CHARACTER ON SCREEN(TEST5)
         LCALL    CSRW
         LCALL    CSR_DIR
         LCALL    CSR_FORM
         LCALL    DISP_ON
         LCALL    C_SET1
         LCALL    DELAY

         LCALL CLR_L1
         LCALL CLR_L2
         LCALL TIAN
         LCALL DELAY              ;WRITE "big_char"


         MOV     A,#058H          ; DISPLAY OFF
```

```
        LCALL    TTR1                ; COMMAND INPUT
        MOV     A,#016H             ; P1 (FP5=0, FP4=1, FP3=0, FP2=1, FP1=0, FP0=0, FC1=1, FC
        LCALL    TTR2




        JMP     CHIP_SELECT

;*************************************************************************
INTI:
SYSTEM_SET:
        MOV     A,#040H             ; SYSTEM SET
        LCALL    TTR1                ; COMMAND INPUT
        MOV     A,#030H             ; P1
        LCALL    TTR2
        MOV     A,#087H             ; P2
        LCALL    TTR2
        MOV     A,#07H              ; P3 (FY = 7)
        LCALL    TTR2
        MOV     A,#1Dh            ; p4 (cr=44)
        LCALL    TTR2
        MOV     A,#026H            ;P5 (TC/R=30?)
        LCALL    TTR2
        mov     a,#09Fh             ; p6 (1/f =159)
        LCALL    TTR2
        MOV     A,#1EH              ; P7 (APL =30)
        LCALL    TTR2
        MOV     A,#00H              ; P8 (APH = 0)
        LCALL    TTR2
 SCROLL:
        MOV     A,#044H             ; SCROLL
        1CALL    TTR1                ; COMMAND INPUT
        MOV     A,#000H             ; P1 (SAD 1L)
        LCALL    TTR2
        MOV     A,#000H             ; P2 (SAD 1H)
        LCALL    TTR2
        MOV     A,#09FH             ; P3 (SL1)
        LCALL    TTR2
        MOV     A,#0B0H             ; P4 (SAD 2L)
        LCALL    TTR2
        MOV     A,#004H             ; P5 (SAD 2H)
        LCALL    TTR2
        MOV     A,#09fH             ; P6 (SL2)
        LCALL    TTR2
        MOV     A,#058H             ; P7 (SAD 3L)
        LCALL    TTR2
        MOV     A,#002H             ; P8 (SAD 3H)
        LCALL    TTR2
        MOV     A,#070H             ; P9 (SAD 4L)
        LCALL    TTR2
        MOV     A,#017H             ; P10 (SAD 4H)
        LCALL    TTR2

    HDOT_SCR:
        MOV     A,#05AH             ; HDOT SCR
        LCALL    TTR1                ; COMMAND INPUT

        MOV     A,#00H              ; P1 = 0
        LCALL    TTR2

    OVLAY:
        MOV     A,#05BH             ; OVLAY
        LCALL    TTR1                ; COMMAND INPUT
        MOV     A,#00H              ; P1 (OV=0, DM2=0, DM1=0, MX1=0, MX0=0)
        LCALL    TTR2

     DISP_OFF:
        MOV     A,#058H             ; DISPLAY OFF
        LCALL    TTR1                ; COMMAND INPUT
        MOV     A,#056H             ; P1 (FP5=0, FP4=1, FP3=0, FP2=1, FP1=0, FP0=0, FC1=1, FC
        LCALL    TTR2
        ;LCALL    DELAY
         LCALL DISP_ON
        LCALL    CSR_DIR
        LCALL    CSR_FORM
        LCALL    CLR_L1             ; CLEAR THE 1ST LAYER RAM MEMORY
```

```
            LCALL    CLR_L2          ; CLEAR THE 2ND LAYER RAM MEMORY
            DISP_OFF2:
            MOV     A,#058H          ; DISPLAY OFF
            LCALL    TTR1              ; COMMAND INPUT
            MOV     A,#056H          ; P1 (FP5=0, FP4=1, FP3=0, FP2=1, FP1=0, FP0=0, FC1=1, FC
            LCALL    TTR2
            RET
   TEST1:    MOV A,#042H
             LCALL TTR1
             MOV R7,#20
     TEST1_1:MOV R5,#30
      TEST1_2:   MOV A,#80H
                 LCALL TTR2
                 DJNZ R5,TEST1_2
                 DJNZ R7,TEST1_1
                 RET


      C_SET1:
             MOV     A,#042H          ; MWTRITE
             LCALL    TTR1              ; COMMAND INPUT
             MOV     R7,#20  ;row_char
      c_set21: MOV     R5,#30
               MOV     A,#041H          ; start display characters from "A"
     c_set11:LCALL    TTR2
             INC     A
             DJNZ    R5,c_set11

             DJNZ    R7,c_set21      ; 40 row of character
             RET
     ;*********************************************************************
     DISP_ON:
             MOV     A,#059H          ; DISPLAY ON
             LCALL    TTR1              ; COMMAND INPUT
             MOV     A,#47H           ; (FP5=0, FP4=0, FP3=0, FP2=0, FP1=0, FP0=1, FC1=1, FC0=1)
             LCALL    TTR2
             RET
     DISP_ON2:
             MOV     A,#059H          ; DISPLAY ON
             LCALL    TTR1              ; COMMAND INPUT
             MOV     A,#13H           ; (FP5=0, FP4=0, FP3=0, FP2=0, FP1=0, FP0=1, FC1=1, FC0=1)
             LCALL    TTR2
             RET
  COLUMN:                            ; SHOW ALL COLUMN IN SCREEN
           MOV     A,#042H           ; MWTRITE
           LCALL    TTR1              ; COMMAND INPUT
           MOV     R6,#20            ; NO. OF ROW_CHAR
    COL1:  MOV     R7,#30            ; NO. OF COL_CHAR
    COL2:  MOV     A,#082H
           LCALL    TTR2
           DJNZ    R7,COL2
           DJNZ    R6,COL1
           RET
  ;*********************************************************************
  ROW:                               ; SHOW ALL ROW IN SCREEN
           MOV     A,#042H           ; MWTRITE
           LCALL    TTR1              ; COMMAND INPUT
           MOV     R6,#20            ; NO. OF ROW_CHAR
      ROW1: MOV     R7,#30            ; NO. OF COL_CHAR
      ROW2: MOV     A,#083H
           LCALL    TTR2
           DJNZ    R7,ROW2
           DJNZ    R6,ROW1
           RET
   CHECKER:                              ; SHOW ALL CHECKER IN SCREEN
           MOV     A,#042H           ; MWTRITE
           LCALL    TTR1              ; COMMAND INPUT
           MOV     R6,#20            ; NO. OF ROW_CHAR
    CHECKER1: MOV     R7,#30           ; NO. OF COL_CHAR
    CHECKER2: MOV     A,#081H
           LCALL    TTR2
           DJNZ    R7,CHECKER2
           DJNZ    R6,CHECKER1
           RET
TIAN:     MOV     A, #46H
           LCALL    TTR1
           MOV     A, #0B0H
           LCALL    TTR2
```

```
        MOV     A, #004H
        LCALL    TTR2
        LCALL    CSR_DIR
        LCALL    CSR_FORM
        LCALL    DISP_ON2
         MOV     A, #42H
         LCALL    TTR1
         MOV     R2, #5
 LOOP1:     ;MOV     R1, #45
 ;LOOP2:     MOV     A, #0H
        ;LCALL    TTR2
        ;DJNZ    R1, LOOP2
        ;DJNZ    R0, LOOP1
        MOV DPTR,#TIAN_CHAR
        MOV R0,#32
 LOOP3:  ;MOV R1,#17
  ; LOOP3_1:MOV A,#0
   ;         LCALL TTR2
    ;        DJNZ R1,LOOP3_1
        MOV R1,#30
   LOOP3_2:MOV A,#0
           MOVC A,@A+DPTR
           LCALL TTR2
           INC DPTR
           DJNZ R1,LOOP3_2
           ;MOV R1,#18
   ;LOOP3_3:MOV A,#0
    ;        LCALL TTR2
     ;       DJNZ R1,LOOP3_3
           DJNZ R0,LOOP3
           djnz r2,loop1
           ;MOV     R0, #128
 ;LOOP4:     MOV     R1, #30
 ;LOOP5:     MOV     A, #0AAH
        ;LCALL    TTR2
        ;DJNZ    R1, LOOP5
        ;DJNZ    R0, LOOP4
        RET
CSRW:
         MOV     A,#046H          ; CURSOR ADDRESS REGISTER
         LCALL    TTR1              ; COMMAND INPUT
         MOV     A,#00H           ; P1 (CSRL = 0)
         LCALL    TTR2
         MOV     A,#00H           ; P2 (CSRH = 0)
         LCALL    TTR2
         RET
                ;*********************************************************************
  CSR_DIR:
         MOV     A,#04CH          ; CURSOR INCREMENT DIRECTION
         LCALL    TTR1
         RET
           ;*********************************************************************
CSR_FORM:
         MOV     A,#05DH          ; CURSOR SIZE AND DISPLAY MODE
         LCALL    TTR1              ; COMMAND INPUT
         MOV     A,#07H           ; P1 (CRX = 5)
         LCALL    TTR2
         MOV     A,#087H          ; P2 (CRY = 7, CM = 1)
         LCALL    TTR2
         RET
               ;*********************************************************************
TTR1:                   ; COMMNAD TRANSFER SUB-ROUTINE
        CLR     R_W
        SETB    A0
        CLR     CS
        NOP

        MOV     P1,A
        NOP
        SETB    R_D
        NOP
        ;NOP
        CLR     R_D
        NOP
        NOP
        ;CLR     A0
        SETB    CS
        mov 47h,#10
```

```
   del10us1:djnz 47h,del10us1
            RET

  TTR2:                       ; DATA TRANSFER SUB-ROUTINE
            CLR     R_W
            CLR     A0
            CLR     CS
            NOP
            MOV     P1,A
            NOP
            SETB    R_D

            ;NOP
            NOP
            CLR     R_D
            ;SETB    A0
            NOP
            NOP
            SETB    CS
            mov 47h,#10
   del10us2:djnz 47h,del10us2
            RET

                        ;*********************************************************************
   CLR_L1:
            LCALL    ADD1
            MOV     A, #42H
            LCALL    TTR1
            MOV     R0, #20
    L1:     MOV     R1, #30
    L2:     MOV     A, #20H
            LCALL    TTR2
            DJNZ    R1, L2
            DJNZ    R0, L1
            RET

 CLR_L2:
    MOV      A, #46H
           LCALL    TTR1
           MOV     A, #0B0H
           LCALL    TTR2
           MOV     A, #004H
           LCALL    TTR2
           LCALL    CSR_DIR
           LCALL    CSR_FORM
           ;LCALL    DISP_ON
            MOV     A, #42H
            LCALL    TTR1
            MOV     R2, #5
   LOOPK1:
            ;MOV DPTR,#TIAN_CHAR
            MOV R0,#32
   LOOPK3:
            MOV R1,#30
      LOOPK3_2:MOV A,#0
               ;MOVC A,@A+DPTR
               LCALL TTR2
               ;INC DPTR
               DJNZ R1,LOOPK3_2

               DJNZ R0,LOOPK3
               djnz r2,loopK1

            RET

             ;*********************************************************************
ADD1:
           MOV     A, #46H
           LCALL    TTR1
           MOV     A, #00H
           LCALL    TTR2
           MOV     A, #00H
           LCALL    TTR2
           RET
ADD2:
           MOV     A, #46H
           LCALL    TTR1
           MOV     A, #0B0H
```

```
        LCALL    TTR2
        MOV     A, #004H
        LCALL    TTR2
        RET
                ;*********************************************************************
DELAY:
        MOV     40h,#28
  DL1:  MOV     41h,#250         ; TIME DELAY LOOP SUB-ROUTINE
  DL2:  MOV     42h,#200
    DL3:  DJNZ    42h,DL3
        DJNZ    41h,DL2
        DJNZ    40h,DL1
        RET
          DELAY2:
        MOV     40h,#10
  DL21:  MOV     41h,#250         ; TIME DELAY LOOP SUB-ROUTINE
  DL22:  MOV     42h,#200
   DL23:  DJNZ    42h,DL23
        DJNZ    41h,DL22
        DJNZ    40h,DL21
        RET
                ;*********************************************************************


                  ;*********************************************************************
CG_RAM:                         ; CG_RAM CODE GENERATION
        MOV     A,#5CH
        LCALL    TTR1
        MOV     A,#00H
        LCALL    TTR2
        MOV     A,#44H
        LCALL    TTR2
        MOV     A,#4CH
        LCALL    TTR1
        MOV     A,#46H
        LCALL    TTR1
        MOV     A,#00H
        LCALL    TTR2
        MOV     A,#48H
        LCALL    TTR2
        MOV     A,#42H
        LCALL    TTR1
        MOV     A,#0FFH  ; 1ST CG_CODE 80H - FULL ON
        LCALL    TTR2
        MOV     A,#0FFH
        LCALL    TTR2
        MOV     A,#0FFH
        LCALL    TTR2
        MOV     A,#0FFH
        LCALL    TTR2
        MOV     A,#0FFH
        LCALL    TTR2
        MOV     A,#0FFH
        LCALL    TTR2
        MOV     A,#0FFH
        LCALL    TTR2
        MOV     A,#0FFH
        LCALL    TTR2
        MOV     A,#0f0H  ; 2ND CG_CODE 81H - CHECKER
        LCALL    TTR2
        MOV     A,#0f0H
        LCALL    TTR2
        MOV     A,#0f0H
        LCALL    TTR2
        MOV     A,#0f0H
        LCALL    TTR2
        MOV     A,#00fH
        LCALL    TTR2
        MOV     A,#00fH
        LCALL    TTR2
        MOV     A,#00fH
        LCALL    TTR2
        MOV     A,#00fH
        LCALL    TTR2
        MOV     A,#0AAH  ; 3RD CG_CODE 82H - COLUMN
        LCALL    TTR2
        MOV     A,#0AAH
```

```
            LCALL    TTR2
            MOV     A,#0AAH
            LCALL    TTR2
            MOV     A,#0AAH
            LCALL    TTR2
            MOV     A,#0AAH
            LCALL    TTR2
            MOV     A,#0AAH
            LCALL    TTR2
            MOV     A,#0AAH
            LCALL    TTR2
            MOV     A,#0AAH
            LCALL    TTR2
            MOV     A,#000H  ; 4TH CG_CODE 83H - ROW
            LCALL    TTR2
            MOV     A,#0ffH
            LCALL    TTR2
            MOV     A,#000H
            LCALL    TTR2
            MOV     A,#0ffH
            LCALL    TTR2
            MOV     A,#000H
            LCALL    TTR2
            MOV     A,#0ffH
            LCALL    TTR2
            MOV     A,#000H
            LCALL    TTR2
            MOV     A,#0ffH
            LCALL    TTR2

            RET

TIAN_CHAR:
DB    000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H
DB    000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H
DB    000H,000H,000H,060H,000H,000H,000H,000H,018H,000H,000H,000H,000H,000H,000H,000H
DB    000H,000H,001H,080H,000H,000H,000H,000H,000H,000H,000H,030H,000H,007H,0FFH,0E0H
DB    000H,0F0H,000H,000H,000H,000H,0F8H,000H,000H,000H,000H,000H,000H,000H,000H,000H
DB    00FH,080H,000H,001H,0FFH,080H,000H,000H,001H,0F0H,000H,001H,0E0H,0FCH,000H,0E0H
DB    000H,000H,000H,000H,078H,000H,000H,000H,000H,000H,000H,000H,000H,000H,007H,080H
DB    000H,000H,078H,000H,000H,000H,000H,0F0H,000H,001H,0C0H,03EH,000H,000H,000H,000H
DB    000H,000H,070H,000H,000H,000H,000H,000H,000H,000H,000H,000H,007H,000H,000H,000H
DB    078H,000H,000H,000H,000H,0E0H,000H,001H,0C0H,00FH,000H,000H,000H,000H,000H,000H
DB    070H,000H,000H,000H,000H,000H,000H,000H,000H,000H,007H,000H,000H,000H,070H,000H
DB    000H,000H,000H,0E0H,000H,001H,0C0H,00FH,000H,000H,000H,000H,000H,000H,070H,000H
DB    000H,000H,000H,00CH,000H,000H,000H,000H,007H,000H,000H,000H,070H,000H,003H,000H
DB    000H,0E0H,000H,001H,0C0H,00FH,000H,000H,000H,000H,000H,000H,070H,000H,000H,000H
DB    000H,01CH,000H,000H,000H,000H,00FH,000H,000H,000H,000H,070H,000H,007H,000H,001H,0C0H
DB    000H,003H,080H,007H,080H,000H,000H,000H,000H,000H,0E0H,000H,000H,000H,000H,038H
DB    000H,000H,000H,000H,00EH,000H,000H,000H,0E0H,000H,00EH,000H,001H,0C0H,000H,003H
DB    080H,007H,080H,000H,000H,000H,000H,000H,0E0H,000H,000H,000H,000H,078H,000H,000H
DB    000H,000H,00EH,000H,000H,000H,0E0H,000H,01EH,000H,001H,0C0H,000H,003H,080H,007H
DB    083H,080H,0FFH,003H,0BFH,080H,0E0H,03FH,083H,0FCH,07DH,0FFH,007H,0F0H,007H,0F8H
DB    00EH,07CH,000H,000H,0E0H,000H,07FH,0C0H,0FDH,0C0H,000H,007H,000H,007H,09FH,001H
DB    086H,01FH,0FFH,081H,0C0H,0E1H,0C0H,0E0H,030H,070H,01CH,038H,00CH,03CH,01DH,0FEH
DB    000H,001H,0C0H,000H,01CH,003H,08FH,080H,000H,007H,000H,007H,00FH,003H,006H,00FH
DB    0C7H,0C1H,0C1H,0C1H,0C0H,0E0H,070H,070H,030H,038H,018H,03CH,01FH,01EH,000H,001H
DB    0C0H,000H,01CH,006H,007H,080H,000H,007H,000H,00FH,00FH,007H,006H,00FH,003H,0C1H
DB    0C1H,0C1H,0C0H,0E0H,060H,070H,070H,038H,030H,03CH,01EH,01EH,000H,001H,0C0H,000H
DB    01CH,00CH,007H,080H,000H,00EH,000H,00FH,00EH,007H,006H,00EH,003H,0C3H,081H,0C1H
DB    080H,0E0H,0C0H,0E0H,060H,038H,060H,018H,03CH,01CH,000H,003H,080H,000H,038H,01CH
DB    007H,000H,000H,00EH,000H,00FH,00EH,007H,000H,00EH,003H,0C3H,080H,003H,080H,0E1H
DB    0C0H,0E0H,0FFH,0F8H,0E0H,000H,038H,01CH,000H,003H,080H,000H,038H,018H,007H,000H
DB    000H,00EH,000H,01EH,00EH,007H,080H,00EH,003H,083H,080H,00FH,080H,0E1H,080H,0E0H
DB    0C0H,000H,0C0H,000H,038H,01CH,000H,003H,080H,000H,038H,038H,007H,000H,000H,01CH
DB    000H,01EH,01CH,003H,0C0H,01CH,003H,087H,000H,03FH,000H,0E3H,081H,0C1H,0C0H,001H
DB    0C0H,000H,070H,038H,000H,007H,000H,000H,070H,030H,00EH,000H,000H,01CH,000H,03CH
DB    01CH,001H,0F0H,01CH,003H,087H,000H,0E7H,000H,0E3H,001H,0C1H,0C0H,001H,0C0H,000H
DB    070H,038H,000H,007H,000H,000H,070H,070H,00EH,000H,000H,01CH,000H,03CH,01CH,000H
DB    0F8H,01CH,003H,007H,003H,087H,000H,0E6H,001H,0C3H,080H,001H,080H,000H,070H,038H
DB    000H,007H,000H,000H,070H,070H,00EH,000H,000H,038H,000H,078H,038H,000H,078H,038H
DB    007H,00EH,006H,00EH,000H,07EH,003H,083H,080H,003H,080H,000H,0E0H,070H,000H,00EH
DB    000H,000H,0E0H,070H,01CH,000H,000H,038H,000H,0F0H,038H,000H,038H,038H,006H,00EH
DB    00EH,00EH,000H,07CH,003H,083H,080H,033H,080H,000H,0E0H,070H,000H,00EH,000H,018H
DB    0E0H,0F0H,01CH,000H,000H,038H,001H,0E0H,038H,030H,038H,038H,00EH,00EH,01CH,00EH
DB    000H,078H,003H,083H,080H,063H,0C0H,060H,0E0H,070H,000H,00EH,000H,030H,0E0H,0F0H
DB    01CH,000H,000H,070H,003H,0C0H,070H,030H,038H,070H,00CH,01CH,01CH,01EH,000H,078H
DB    007H,083H,0C0H,0C3H,0C0H,0C1H,0C0H,0E0H,000H,01CH,000H,071H,0E0H,0F0H,03CH,000H
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DB    000H,070H,00FH,000H,070H,030H,030H,078H,018H,01CH,01CH,03CH,000H,070H,007H,003H
DB    0C1H,083H,0E1H,081H,0C0H,0E0H,000H,01CH,000H,0E1H,0C0H,0F0H,07CH,000H,000H,0F0H
DB    07EH,000H,0F0H,078H,060H,07CH,070H,03CH,01FH,0FFH,080H,060H,007H,0B1H,0FFH,001H
DB    0FFH,003H,0C1H,0E0H,000H,03CH,003H,0C1H,0ECH,07DH,0FEH,000H,007H,0FFH,0F0H,007H
DB    0FCH,07FH,0C0H,07FH,0C0H,0FFH,01FH,09FH,000H,0E0H,007H,0E0H,0FEH,000H,0FCH,00FH
DB    0F7H,0F8H,001H,0FFH,0FFH,0C1H,0F8H,03FH,038H,000H,000H,000H,000H,000H,000H,000H
DB    000H,0E0H,000H,000H,000H,000H,000H,0C0H,000H,000H,000H,000H,000H,000H,000H,000H
DB    000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,0E0H
DB    000H,000H,000H,000H,001H,080H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H
DB    000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,001H,0E0H,000H,000H
DB    000H,000H,033H,080H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H
DB    000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,001H,0E0H,000H,000H,000H,000H
DB    07FH,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H
DB    000H,000H,000H,000H,000H,000H,000H,000H,00FH,0F8H,000H,000H,000H,000H,07CH,000H
DB    000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H,000H
      END
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