

```

STACK          SEGMENT PARA STACK          ; 定义好三个段
STACK_AREA    DW      100h DUP(?)
STACK_TOP     EQU      $-STACK_AREA
STACK         ENDS          ; ①-1 定义堆栈段

DATA          SEGMENT PARA
TABLE_LEN     DW 16
TABLE         DW 200,300,400,10,20,0,1,8
              DW 41H,40,42H,50,60,0FFFFH,2,3
DATA          ENDS          ; ①-2 定义数据段

CODE          SEGMENT
ASSUME        CS:CODE,DS:DATA,SS:STACK ;Assume SS,SP,DS
MAIN          PROC          FAR
START:        MOV        AX,STACK
              MOV        SS,AX
              MOV        SP,STACK_TOP
              MOV        AX,DATA
              MOV        DS,AX          ;③SET SS,SP,DS
LP1:          MOV        BX,1
              MOV        CX,TABLE_LEN
              DEC        CX
              MOV        SI,OFFSET TABLE
LP2:          MOV        AX,[SI]
              CMP        AX,[SI+2]
              JBE        CONTINUE
              XCHG        AX,[SI+2]
              MOV        [SI],AX
              MOV        BX,0
CONTINUE:     ADD        SI,2
              LOOP        LP2
              CMP        BX,1
              JZ         EXIT
              JMP        SHORT    LP1
EXIT:         MOV        AX,4C00H
              INT        21H          ;④返回 DOS
MAIN          ENDP          ; 只有一个子程序
CODE          ENDS          ; ①-3 定义代码段
END          START          ;⑤总结束, 定义入口为 START(CS:IP)

```