

.8086

.model small

.data

a db 02h,01h,06h,03h

b db ?

.code

start:

MOV AX,@data

MOV DS,AX

MOV CH,04h

Loop2:MOV CL,04h

LEA SI,a

Loop1:MOV AL,[SI]

MOV BL,[SI+1]

CMP AL,BL

JC DOWN

MOV DL,[SI+1]

XCHG [SI],DL

MOV [SI+1],DL

DOWN:INC SI

DEC CL

JNZ Loop1

DEC CH

JNZ Loop2

MOV AH,4Ch

INT 21h

end start

