```asm
.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
              JNC 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
```