

```
.model small
.data
    n db 5
    a db 3,9,4,8,1
.code
    mov ax,@data
    mov ds,ax
    mov cl,n
    dec cl
outloop: mov ch,cl
    mov si,0
inloop:  mov al,a[si]
    inc si
    cmp al,a[si]
    jb noxg
    xchg al,a[si]
    mov a[si-1],al
noxg: dec ch
    jnz inloop
    dec cl
    jnz outloop
    mov ah,4ch
    int 21h
end
```