```asm
.model small
.data
n db 6
a db 05, 07, 04, 03, 06, 02

.code
mov ax, @data
mov ds, ax
lea si, a
mov cl, n
dec cl
outloop : mov ch, cl
          mov si, 00h
inloop  : mov al, a[si]
          inc si
cmp al, a[si]
jc noexchange
xchg al, [si]
mov a[si-1], al
noexchange: dec ch
jnz inloop
dec ch
jnz outloop
mov ah, 4ch
int 21h
end
```