

## ⇒ Bubble sort (Descending Order)

. MODE SMALL

. DATA

N DB 6

A DB 01, 03, 02, 04, 05, 06

. 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]

JNC NOEXCHANGE

XCHG AL, A[SI]

MOV A[SI-1], AL

NO EXCHANGE: DEC CH

JNZ INLOOP

DEC CL

JNZ OUTLOOP

MOV AH, 4CH

INT 21H

END