

BUBBLE SORT

• MODEL SMALL

• DATA

n DB 6

a DB 05, 01, 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^a[SI]

JC NOEXCHANGE

XCHG AL, a[SI]

MOV a[SI-1], AL

NOEXCHANGE: DEC CH

JNZ INLOOP

DEC CL

JNZ OUTLOOP

MOV AH, 4CH

INT 21H

END