

BUBBLE SORT

.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, A[SI]

MOV A[SI-1], AL

NOEXCHANGE: DEC CH

JNZ INLOOP

DEC CL

JNZ OUTLOOP

MOV AH, 4CH

INT 21H

END