Bubble SORT
. Model Small
display macro mso
LRA DX, MSG
MOU AH,09H
IN7 344
SNDM
data
List db: 02h, 01h, 34h, 0f4h, 09h, 09h
number QU &-LIST
MSGI DIB. ODH, OAH, ILLISSORT in ascende
order \$"
MSGD DB ODH, OAH, 11 2>> SORT in descending or do
4"
MSG3, DB ODM, DAM, "INVALID (MOILE ENTERED
MODE OBM , DAY, "INVALID CHOILE ENTERED
MANK YOU'
MSG5 DB ODN, DAM, "ENTER THE CHOICE 8"
·CODE
Start i Mou AX ja DATA
Mou DS, Ax
LEA SI, OFFSET LIST
MOV (H, NUMBER-1
DISPLAY MSG-1
DISPLAY MSG2
DISPLAY MSG 3
DISPLAY MSGS
MOV DA, OIH
INT 91H
SUB ALJBOH
CMP ALJOIN
JMP ASORT
TMP AL,09H

JMP PSORT CMP ALJOSH SC Sinal DISPLAY MSG 7 JMP final ASORT: MOW - BL, OOH AGAIN: MOU SI, OFFSET LIST MOV CL, OOH

MOV BH, CH

SUB bh, H NPASS: CMP CC,BA JNG NEXT MOV AL (SI] MOV BP JOIH TC NOPE XCNO [SI],AL X (NO [SI), AL NOPE : INC CL INC SI JMP NPASS NEXT : INC BC (MP BL,CH JC AGAIN JMP FINAL DSORT. MOV-BL JOOM AGAIN MOVSIJOFFSET MOV CL, OOH MOV BH, (H SUB BHJBC NPASS; CMPCC, BH IND NEXT MOU MC, [SI) MOV &P, OIM

Scanned with CamScanner

CMP AL, DS: [BP][SI] JNC NOPE XCMB AL, [SI+1] X (MG TSI), AL MOPE 1; NCCL INC ST JMP NPASS NEXTI : INC BC (MP BL, LH JC AGAIN! FINAC: MOV AM, 4CM INTOIM END START