BUBBLE SORT WITH MENU DRIVEN

, MODEL SMALL SMALL DISPLAY MACRO MGG LEA DX, MSG MOV AH, O9H INT 21# 05H, 07H, 04H, 03H, 06H ERMAM . DATA ATAC 6 LIST DB 02 # , 01 H, \$34 H, 0 F 4 H , 09 H , 05 H & da NUMBER EQU 4- \$157 CLIN MSG 1 DB ODH, OAH, 112>> SORT IN ASCENDING ORDER &" MSG 2 DB DDH, DAH, M29 SORT IN DESCENDING ORDER \$ 1. 900 MSG 3 DB ODH, OAH, #3 >> EXIT \$11 4 00 TE VON MGG 4 DB ODH, OAN, II ENTER GHOTOF & STATE OF 1900 MSG 5 DBODH, OAH, "INVALID COHORE ENTERED & h CMP AL, ASSES START: MOURX, ODATA HOXECUST MOU PS/AX Ketty AL, HESED LEASI, LIST MOV AEST - 23, AL MOUCH, NUMBER 2 Exct : DEC CH DISPLAY MSG 2 IN2 Incoop DISPLAY MSG 2 12 234 · DISPLAY MSG 3 502 BUTLOGP DISPOLAY MS4 4 MO O RHACH MOV AH, BIH 一切に 21件 INT 21H SUB AL, 30H CMP AL, OIH JE ASCS ORT CMP AL, OR H JE DESSORT

CMP A4, 03 H

TWE POPEL JE FINAL DISPLAY. MS4 5 XXHG AL, CETTIS 5MP FINAL JA, CERT MAX A SCHORT : MOV BL, OOH - Nors 1: 10 6 /c AGAIN: MOUSI, OFFSET LIST TO SUT MOV CL100H, TAY APRESI MOU BH, CH WEXTE ! TOO BU & SUB BH, BL \$ CAS PL, CH NPASS: CMPCL, BH J& AGAIN 2 INC NEXT FIRST 1 MAYAN 141H HIS TUT MOU AL, [57] SVD START MOV BP, OIH CMP ALIDS: EBPJESZ7 JL NOPE XCHG AL, ESI+13 XCHG [5]] , AL NOPE: INC CL INC SI JMP NPASS NEXT : INC BL I CMP BLICH JC AGAIN JMP FINAL DESCORT : MOU BLIOOH MGAIN I: MOV ST, OFFSET LIST MO VCL, OOH MOU BH, CH SUB BH, BL NPASS 1: CMP CLIBH JNC NEXT MOU AL, SEF3 MOU BPOITH .CMP. AL, AS! CBPJCSI3 Camlin Page

JNC NOPE !	2 8200 2
XCHG AL, [SI+2]	VA.
XCHG [67], AL	The state of the s
-NOPE 1: INC	HOO 178 A.W. 1 1300M
INCSI	LAND MOUST, OFFERT LICE
JMP NPASS)	400110
NEXT1 : INC BL	#7 48 000
CMP BL, CH	18 BH BL
JC AGAIN 1	PARES: CAPCLIPH
FINAL: MOVAN, 41H	TWO WEST THE SHEET
JUT SIH	Nov 86, [57]
BND START	MIO 98 VOIL
100 100 100 100 100 100 100 100 100 100	CHP 94-25: 5842 Est
1 20 May 1 M	TC NOPE
THE SELECTION OF S	XCH4 AL, EST+13
	XCHC 5513 , AZINONNI BINNE
	10 1 CL.
	TO ST
	TMP NP ASS
	NEXT: INC 82
	A COMP BUIGH
	TO FIRST AGAIN
	TMP FINAL
	DESCORT : MOU BLIOOH
	AGAIN I: MOD ST, OFFSET GIST T
	MO 1 77 0 0W
	Mov BH, CH
	2 508 8 14 81.
	NPP SS 1: CMP CLIPH
	JNG NEXT
	MOU BEOITH
53	CMP . #4 , 05: CAPILS
Camlin Page 1 1 Seco	