bubble soct wde: model small · data n db 5 a db 05,07,04,03,06 · code MOV an , @ doda NOU DS, ax Mov cl, n dec d out loop: Mor Ch, cl Mov SI, ooh un loop: MOV al, a [SI] > zero, not o winc SI CMP al, a[SI] if al < a[SI] (F =1 THE WALL (CF set to 1) JC Page Noesch if al > a[s] xcha al, a[SI] CF set to 3090 Mov assi-1, al no ench: DEC ch JNZ asstrop injuop Dec Cl ->PTO

JNZ outloop Mov ah, 4ch INt 21h Mener driver prog for dulble sollof the program WAP to find ASCII Value & - model small . data msg 1 db od g, oah , "enter alplanumeric 865 db 02 dy2 (0) . code mor ax a data mor ds, ax lea dx, Msg1

Call dist oin

int 21 h

mov 61, al

mov 61, al

she ol, cl cup al, oak je digit add Al, 30 h most rio, al and blogh 90 comp clot, oah
je ldigit!
Jadd Jb1, 674
: add b1, 304 mor 20+1, 61

rupo ah 100h TEXT MODE int 10h 03h SET THE CURSOR Position mor ah, 02 h page no mor 66,00h ROW (00 is 706) now dh, och · column Val mor de, 28h unt 10h mov xes+2, 1\$1 lea dx ses mor ah, 4ch dist floc wear mos ah, ogh colist and t End 92) WAR to Read a selving & acheek if it is . Model ismall display macro MGD MOU AH, OGH ant 21 h · Dala ENDM

MSQ 1 DB ODH, OAH, "Enter Slering: 5"

NISO 2 DB ODH, OAH Reverse gring: 5"

MSQ 3 DB ODH, OAH "Word slering is red a

mad 4 Do ODH, OAH, "Nor palm drome; palindrom

slering DB 80 h DUP (?)

REStering DB 80 h DUP (?)

code e code start: Move AX, Odala Mov DS, AX Display mog! Take the Isling from Leyboard Charach by Caracle MOV SI, Offsel dering XOR Cl, al ABAIN; MOV, AH, OIH 1NT21h CMP AL, ODH JE NEXT MOV [SI], AL MUSI MC CL JMP AGAIN MOU [SI], BYTE PER (\$) NGXT JEC SI MOV SH, CL ; reverse the stern g & store it unkesting 1 MOU DI, OFFSET Restering : MOV AL , [SI] BACK MOU [DIT, AL

der SI ine DI dec CH 5NZ BACK MOV [DI] Byte pt (\$)

display My 2 display restring JSI oppet pering DI offset Revsl Relstring BMSCE madam AG: MOV AL, [SI] madan ECSMB inc unc dee 12 Sucres DMP AG Display Msg 4 Success