MODEL SMALL // model for execution

STACK 1004 // declaring stark

DATA

CR EQU OC263H Haddies of control registre
PA EQU OC260H Haddies of port A
PB EQU OC261H Haddies of port B
PC EQU OC262H Haddies of port C

1-160 ...

Message | DB 'DEMONSTRATION PROGRAM FOR STEPPER MOTOR', 13, 10, '\$' Message 2 DB 13, 10, 'The program is ownning...', 13, 10, '\$' Il declaring two messages

. CODE

start:

MOV AX, QDATA Umoving data from DATA MOV DS, AX to DS MOV AH, 9H Udiaplay Menage 1

MOV DX, OFFSET Menage 1

MOV AM, 9H 11 display Menage 2

MOV DX, OFFSET Message 2

INT 214

MOV DX, CR MOV AL, 80H // initialize 8255

OUT DX, AL "motor in I/O mode of greation, all ports art as output

MOV BL, 50 // counter

A winding 11 excite BEGIN: MOV AL, ILH CALL OUT\_A CALL DELAY Mencite B winding MOV AL, 22H CALL OUT\_A CALL DELAY 11 execte c winding MOV AL, 444 CALL OUT\_A CALL DELAY Mesuite D winding MOV AL, 884 CALL OUT\_A CALL DELAY DEC BL 11 loop for 50 times JNZ BEGIN MOV AH, 4CH 1 terminate INT 214 11 copy addies of port A 11 white data to part A OUT-A: MOV DX, PA OUT DX, AL RET DELAY: MUV CX, OFFFH 11 add delay D 2: MOV AX, OSFFH DI: DEC AX JNZ DI DEC CX JNZ D2 RET

END START