ASSUME CS: CODE, DS: DATA

DATA SEGMENT

PA EQU 24A0H

PB EQU 24A1H

PC EQU 24A2H

CR EQU 24A3H

DATA ENDS

CODE SEGMENT

START:

MOV AX, DATA

MOV DS, AX

MOV DX, CR

MOV AL, 80H

OUT DX, AL

MOV CX, 64H

MOV AL, 77H

MOV DX, PC

ROT\_CLOCK:

OUT DX, AL

ROR AL, 1

CALL DELAY

LOOP ROT\_CLOCK

MOV CX, 32H

MOV AL, 77H

MOV DX, PC

ROT\_ANTICLOCK:

OUT DX, AL

ROL AL, 1

CALL DELAY

LOOP ROT\_ANTICLOCK

MOV AH, 4CH

INT 21H

DELAY PROC

MOV BX, 02FFFH

L2:

MOV DI, 0FFFFH

L1: DEC DI

JNZ L1

DEC BX

JNZ L2

RET DELAY

ENDP

CODE ENDS

END START