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, 82H

OUT DX, AL

MOV AL, 01

RPT:

MOV DX, PA

OUT DX, AL

CALL DELAY

ROR AL, 1

PUSH AX

MOV AH, 06H

MOV DL, 0FFH

INT 21H

POP AX

JZ RPT

DELAY PROC

MOV SI, 03FFFH

L2:

MOV DI, 0FFFFH

L1:

DEC DI

JNZ L1

DEC SI

JNZ L2

RET

DELAY ENDP

CODE ENDS

END START