**ELEVATOR**

PPI\_A EQU 0E01CH

PPI\_B EQU 0E01DH

PPI\_C EQU 0E01EH

PPI\_CR EQU 0E01FH

ORG 0000H

JMP START

ORG 0030H

START:

MOV DPTR,#PPI\_CR

MOV A,#082H

MOVX @DPTR,A

CLR A

MOV R0,A

MOV R1,A

LOOP1: MOV A,R1

ORL A,#0F0H

MOV DPTR,#PPI\_A

MOVX @DPTR,A

MOV DPTR,#FLOOR

MOV R3,DPL

MOV R4,DPH

LOOP2: MOV DPTR,#PPI\_B

MOVX A,@DPTR

ORL A,#0F0H

MOV R2,A

INC A

JZ LOOP2

MOV DPL,R3

MOV DPH,R4

LOOP3:

MOV A,R2

RRC A

MOV R2,A

JNC DECIDE

INC DPTR

SJMP LOOP3

DECIDE:

LCALL DELAY

CLR A

MOVC A,@A+DPTR

PUSH DPL

PUSH DPH

CJNE A,1,L1

SJMP RESET

L1: JC DOWN

INC R1

MOV A,R1

ORL A,#0F0H

MOV DPTR,#PPI\_A

MOVX @DPTR,A

POP DPH

POP DPL

SJMP DECIDE

DOWN:

DEC R1

MOV A,R1

ORL A,#0F0H

MOV DPTR,#PPI\_A

MOVX @DPTR,A

POP DPH

POP DPL

SJMP DECIDE

RESET: MOV A,#05H

ADD A,82H

MOV 82H,A

CLR A

MOV R0,A

MOVC A,@A+DPTR

MOV DPTR,#PPI\_A

MOVX @DPTR,A

SJMP LOOP1

DELAY:

MOV R4,#0FFH

YY: MOV R5,#0FFH

XX: DJNZ R5,XX

DJNZ R4,YY

RET

FLOOR: DB 00H,03H,06H

DB 09H,00H,0E0H

DB 0D3H,0B6H,79H

END

**STEPPER MOTOR ANTI CLOCK WISE**

PPI\_A EQU 0E01CH

PPI\_B EQU 0E01DH

PPI\_C EQU 0E01EH

PPI\_CR EQU 0E01FH

ORG 0000H

JMP START

ORG 0030H

START:

MOV DPTR,#PPI\_CR

MOV A,#80H

MOVX @DPTR,A

REPEAT: MOV A,#01H

BACK: MOV DPTR,#PPI\_A

MOVX @DPTR,A

ACALL DELAY

RL A

CJNE A,#80H,BACK

SJMP REPEAT

DELAY:

MOV R0,#0AH

YY: MOV R1,#0FFH

XX: DJNZ R1,XX

DJNZ R0,YY

RET

END

**STEPPER MOTOR CLOCK WISE**

PPI\_A EQU 0E01CH

PPI\_B EQU 0E01DH

PPI\_C EQU 0E01EH

PPI\_CR EQU 0E01FH

ORG 0000H

JMP START

ORG 0030H

START:

MOV DPTR,#PPI\_CR

MOV A,#80H

MOVX @DPTR,A

REPEAT: MOV A,#01H

BACK: MOV DPTR,#PPI\_A

MOVX @DPTR,A

ACALL DELAY

RCA

CJNE A,#10H,BACK

SJMP REPEAT

DELAY:

MOV R0,#0AH

YY: MOV R1,#0FFH

XX: DJNZ R1,XX

DJNZ R0,YY

RET

END