ORG 00H

SPEED1:

XCH A,R2

SUBB A,#06

XCH A,R2

XCH A,R3

SUBB A,#06

XCH A,R3

CALL DELAY

SJMP UP

SPEED2:

XCH A,R2

ADD A,#06

XCH A,R2

XCH A,R3

ADD A,#06

XCH A,R3

CALL DELAY

SJMP DOWN

SPEED3:

XCH A,R2

SUBB A,#06

XCH A,R2

XCH A,R3

SUBB A,#06

XCH A,R3

CALL DELAY

SJMP DOWN

DELAY:

XCH A,R2

MOV R5,A

XCH A,R2

D1: XCH A,R3

MOV R6,A

XCH A,R3

D2: MOV R7,#248

DJNZ R7,$

DJNZ R6,D2

DJNZ R5,D1

RET

END

MOV R4,#00H

MOV R1,#00H

START:

MOV R2,#50

MOV R3,#10

UP:

JNB P2.0,SPEED

JNB P2.1,SPEED1

JNB P2.2,DOWN

MOV P1,R4

MOV P3,R1

CALL DELAY

XCH A,R4

ADD A,#01

DA A

XCH A,R4

CJNE R4,#00010000B,UP

MOV R4,#00000000B

XCH A,R1

ADD A,#01

DA A

XCH A,R1

CJNE R1,#00010000B,UP

MOV R1,#00000000B

JMP UP

DOWN:

JNB P2.0,SPEED2

JNB P2.1,SPEED3

JNB P2.2,UP

CLR C

MOV P1,R4

MOV P3,R1

CALL DELAY

XCH A,R4

SUBB A,#01

DA A

XCH A,R4

CJNE R4,#01100101B,DOWN

MOV R4,#00001001B

XCH A,R1

SUBB A,#01

DA A

XCH A,R1

CJNE R1,#01100101B,DOWN

MOV R1,#00001001B

JMP DOWN

SPEED:

XCH A,R2

ADD A,#06

XCH A,R2

XCH A,R3

ADD A,#06

XCH A,R3

CALL DELAY

SJMP UP