```
ORG 00H
MOV P1,#00H
MOV A,#00000001B
KEY1:
    JNB P0.2,KEY10
        JMP KEY2
        KEY10:
        CALL DELAY
        RR A
        MOV P1,A
        CALL DELAY
        JMP KEY1
KEY2:
    JNB P0.4,KEY20
        JMP KEY3
        KEY20:
        CALL DELAY
        RL A
        MOV P1,A
        CALL DELAY
        JMP KEY2
KEY3:
    JNB P0.0,KEY30
        JMP KEY4
        KEY30:
                JNB P0.2,KEY10
                JNB P0.4,KEY20
            JNB P0.7,KEY40
                RR A
                MOV P1,A
                CALL DELAY
                JMP KEY30
KEY4:
    JNB P0.7,KEY40
        JMP KEY1
        KEY40:
                JNB P0.2,KEY10
                JNB P0.4,KEY20
            JNB P0.0,KEY30
                RL A
                MOV P1,A
                CALL DELAY
                JMP KEY40
DELAY:
        MOV R1,200
        LAP:
        MOV R2,#200
        LAP1:
```

```
        NOP
        NOP
        DJNZ R2,LAP1
        DJNZ R1,LAP
        RET
END
```