```
1   ORG 0
2       MOV P1,#0FFH    //SET P1 AS INPUT
3       START:
4       JB P1.0,SP1 //JUMP TO SPEED 1/5
5       JB P1.1,SP2 //JUMP TO SPEED 2/5
6       JB P1.2,SP3 //JUMP TO SPEED 3/5
7       JB P1.3,SP4 //JUMP TO SPEED 4/5
8       JB P1.4,SP5 //JUMP TO SPEED 5/5
9       SP0:
10
11          //MOTOR SPEED 0/5
12          CLR P2.0
13          SJMP START
14
15          //MOTOR SPEED 1/5
16          SP1:
17          MOV R0,#51
18          SJMP PWM
19
20          //MOTOR SPEED 2/5
21          SP2:
22          MOV R0,#102
23          SJMP PWM
24
25          //MOTOR SPEED 3/5
26          SP3:
27          MOV R0,#153
28          SJMP PWM
29
30          //MOTOR SPEED 4/5
31          SP4:
32          MOV R0,#204
33          SJMP PWM
34
35          //MOTOR SPEED 5/5
36          SP5:
37          SETB P2.0
38          SJMP START
39
40          PWM:
41          //R0 IS POSITIVE CYCLE DELAY
42          //R1 IS NEGATIVE CYCLE DELAY
43
44          MOV A,#0FFH //MOVES 255 INTO A
45          SUBB A,R0   //255 - R0
46          MOV R1,A    //GENERATE R1
47
48          //START POSITIVE CYCLE
49          SETB P2.0
50          HERE: DJNZ R0,HERE
51
52          //START NEGATIVE CYCLE
53          CLR P2.0
54          HERE2: DJNZ R1,HERE2
55          SJMP START
56  END
```