```
1   const int relay1=8;
2   const int relay2=9;
3   const int relay3=10;
4   const int ir_rec_1=7;
5   const int ir_rec_2=6;
6   int count=0;
7   int relay1_pos=0;
8   int relay2_pos=0;
9   int relay3_pos=0;
10  void setup()
11  {
12      pinMode(ir_rec_1,INPUT);
13      pinMode(ir_rec_2,INPUT);
14      pinMode(relay1,OUTPUT);
15      pinMode(relay2,OUTPUT);
16      pinMode(relay3,OUTPUT) ;
17  }
18  void loop()
19  {
20      count=0;
21      while(ir_rec_1==HIGH)
22      {
23          while(ir_rec_2==HIGH)
24          {
25              if(ir_rec_1==HIGH)
26              {
27                  count +=1;
28              while(ir_rec_1==HIGH)
29                  {|
30                      continue;
31                  }
32              }
33          }
34      }
```

```
35        if (count==1)
36        {
37           relay1_pos=digitalRead(relay1);
38           if(relay1_pos==LOW)
39           {
40              digitalWrite(relay1,HIGH);
41           }
42         else
43           {
44            digitalWrite(relay1,LOW);
45           }
46        }

48     if(count==2)
49        {
50           relay2_pos=digitalRead(relay2);
51           if (relay2_pos==LOW)
52              {
53                 digitalWrite(relay2,HIGH);
54              }
55            else
56            {
57               digitalWrite(relay2,LOW);
58            }
59          }

61     if(count==3)
62        {
63           relay3_pos=digitalRead(relay3);
64           if (relay3_pos==LOW)
65             {
66                digitalWrite (relay3, HIGH)
67             }
68              else
```

```
69              {
70                  digitalWrite (relay3,LOW) ;
71              }
72          }
73      }
74
75
76
77
78
```