```
int
in1
=
9;
      int sensor = 8;
      int led = 13;
      unsigned long t=0;

      void setup()
      {
        Serial.begin(9600);
        pinMode(in1, OUTPUT);
        pinMode(sensor, INPUT);
        pinMode(led, OUTPUT);

        digitalWrite(in1,HIGH);
        digitalWrite(led,LOW);

        while(millis()<13000)
        {
          digitalWrite(led,HIGH);
          delay(50);
          digitalWrite(led,LOW);
          delay(50);
        }
        digitalWrite(led,LOW);

      }


      void loop()
      {
        digitalWrite(in1,HIGH);
        digitalWrite(led,LOW);
        if(digitalRead(sensor)==HIGH)
        {
         t=millis();
         while(millis()<(t+5000))
         {
         digitalWrite(in1,LOW);
         digitalWrite(led,HIGH);
           if((millis()>(t+2300))&&(digitalRead(sensor)==HIGH))
```

```
      {
       t=millis();
      }
   }
  }
}
```