

```
int val = A0;
 1
 2
 3
    void setup()
 4
 5
 6
      pinMode (9, OUTPUT);
 7
      pinMode (A0, INPUT);
      Serial.begin(9600);
 9
    }
10
11
    void loop()
12
13
      val = analogRead (A0);
14
      if (val <500)
15
      {digitalWrite (9, LOW);}
16
      else
17
      {digitalWrite(9, HIGH);}
18
```