

```
int light = 13;

#include <Servo.h>

Servo motor1;
Servo motor2;

void setup() {
  Serial.begin(9600);
  pinMode(light, OUTPUT);
  motor1.attach(11);
  motor2.attach(10);
}

void loop() {
  Serial.println(analogRead(A0));
  if (analogRead(A0)<800)
  {
    digitalWrite(light, HIGH);
    motor1.write(5);
    motor2.write(85);
  }
  else {
    digitalWrite(light, LOW);
    motor1.write(85);
    motor2.write(5);
  }
  delay(500); //low pass filter
}
```

