

```
#include <Servo.h>
Servo myservo;

#define LDR_1 A0
#define LDR_2 A1

int pos = 90;
int Resistance = 20;

void setup(){
  myservo.attach(4);
  pinMode(LDR_1, INPUT);
  pinMode(LDR_2, INPUT);

  myservo.write(pos);

  delay(1000);
}

void loop(){
  int value_1 = analogRead(LDR_1);
  int value_2 = analogRead(LDR_2);

  if((abs(value_1 - value_2) <= Resistance) || (abs(value_2 -
value_1) <= Resistance)) {

  }else {
    if(value_1 > value_2)
    {
      pos = pos+1;
    }
    if(value_1 < value_2)
    {
      pos = pos-1;
    }
  }

  if(pos > 180) {pos = 180;}
  if(pos < 0) {pos = 0;}
  myservo.write(pos);
  delay(50);

}
```