int redin = 3;

int greenin = 5;

int bluein = 6 ;

int redvalue = 0;

int greenvalue = 0;

int bluevalue = 0;

int redout = 9;

int greenout = 10;

int blueout = 11;

int ldr = A0;

void setup() {

// put your setup code here, to run once:

pinMode(redin,OUTPUT);

pinMode(greenin,OUTPUT);

pinMode(bluein,OUTPUT);

pinMode(redout,OUTPUT);

pinMode(greenout,OUTPUT);

pinMode(blueout,OUTPUT);

pinMode(ldr,INPUT);

Serial.begin(9600);

}

void loop() {

// put your main code here, to run repeatedly:

digitalWrite(redin,HIGH);

redvalue = analogRead(ldr);

delay(1000);

digitalWrite(redin,LOW);

Serial.print("R=");

Serial.print(redvalue);

Serial.print("\n");

digitalWrite(greenin,HIGH);

delay(1000);

greenvalue = analogRead(ldr);

delay(1000);

digitalWrite(greenin,LOW);

Serial.print("G=");

Serial.print(greenvalue);

Serial.print("\n");

digitalWrite(bluein,HIGH);

bluevalue = analogRead(ldr);

delay(1000);

digitalWrite(bluein,LOW);

Serial.print("B=");

Serial.print(bluevalue);

Serial.print("\n");

if(redvalue>greenvalue&&redvalue>bluevalue)

{

digitalWrite(redout,HIGH);

delay(1000);

digitalWrite(redout,LOW);

}

else

{

digitalWrite(redout,LOW);

}

if(greenvalue>redvalue&&greenvalue>bluevalue)

{

digitalWrite(greenout,HIGH);

delay(1000);

digitalWrite(greenout,LOW);

}

else

{

digitalWrite(greenout,LOW);

}

if(bluevalue>redvalue&&bluevalue>greenvalue)

{

digitalWrite(blueout,HIGH);

delay(1000);

digitalWrite(blueout,LOW);

}

else

{

digitalWrite(blueout,LOW);

}

}