int sensorPin=A0;

int sensorValue=0;

void setup()

{

pinMode(3, OUTPUT);

pinMode(6, OUTPUT);

pinMode(9, OUTPUT);

pinMode(12, OUTPUT);

Serial.begin(9600);

}

void loop()

{

int a=digitalRead(13);

if(a==HIGH)

{

sensorValue=analogRead(sensorPin);

Serial.println(sensorValue);

if(sensorValue>500)

{

digitalWrite(3,HIGH);

digitalWrite(6, HIGH);

digitalWrite(9, HIGH);

digitalWrite(12, HIGH);

}

else

{

digitalWrite(3,HIGH);

digitalWrite(6, LOW);

digitalWrite(9, LOW);

digitalWrite(12, LOW);

}}

else

{digitalWrite(3,LOW);

digitalWrite(6,LOW);

digitalWrite(9,LOW);

digitalWrite(12,LOW);

}

}

