

```

int y;
int x;
void setup () {
    Serial.begin(9600);
    pinMode(9,OUTPUT);
    pinMode(10,OUTPUT);
    pinMode(11,OUTPUT);
    pinMode(12,OUTPUT);
}
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void loop() {
    y = analogRead(A1);
    x = analogRead(A0);
    Serial.print("y=");
    Serial.print(y);
    Serial.print("x=");
    Serial.println(x);
    delay(200);

    if (x>520){
        digitalWrite(9,HIGH);
    }
    else
        digitalWrite(9,LOW);

    if (x<500){
        digitalWrite(10,HIGH);
    }
    else
        digitalWrite(10,LOW);

    if (y>1020){
        digitalWrite(11,HIGH);
    }
    else
        digitalWrite(11,LOW);

    if (y<500){
        digitalWrite(12,HIGH);
    }
    else
        digitalWrite(12,LOW);
}

```