bool pressed = false;

bool match = false;

void setup()

{

 Serial.begin(9600);

 pinMode(3, OUTPUT);

 pinMode(A0, INPUT);

 pinMode(A5, INPUT);

}

void loop()

{

 int str1 = analogRead(A0);

 int str2 = analogRead(A5);

 bool itsamatch = (float)str1 / (float)str2 != 0 && (float)str1 / (float)str2 > 0.8f && (float)str1 / (float)str2 < 1.0f;

 Serial.println((float)str1 / (float)str2);

 Serial.println("----------------");

 Serial.println(itsamatch ? "It's a match!" : "Too bad");

 if (str2 > 0)

 {

 pressed = true;

 if (itsamatch){

 digitalWrite(3, HIGH);

 analogWrite(5, 0);

 match = true;

 }

 else{

 digitalWrite(3, LOW);

 analogWrite(5, 255);

 match = false;

 }

 delay(2000);

 }

 else

 {

 if (!pressed)

 {

 analogWrite(5, 0);

 }

 }

}