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);

}

}

}