int analogPin= 0;

int raw= 0;

int Vin= 5;

float Vout= 0;

float R1= 5800;

float R2= 0;

float buffer= 0;

float x=0;

float y=0;

int analogPin1= 1;

float Vout1= 0;

float R11= 1300;

float R22= 0;

void setup()

{

Serial.begin(9600);

}

void loop()

{

raw= analogRead(analogPin);

if(raw)

{

x= raw;

buffer= raw \* Vin;

Serial.print("raw: ");

Serial.println(x);

Vout= (buffer)/1024.0;

buffer= (Vin/Vout) -1;

y= buffer;

Serial.print("Buffer: ");

Serial.println(y);

R2= R1 \* buffer;

Serial.print("Vout: ");

Serial.println(Vout);

Serial.print("R2:");

Serial.println(R2);

delay(1000);

raw= analogRead(analogPin1);

if(raw)

{

buffer= raw \* Vin;

Vout1= (buffer)/1024.0;

buffer= (Vin/Vout1) -1;

R22= R11 \* buffer;

Serial.print("Vout1: ");

Serial.println(Vout1);

Serial.print("R22: ");

Serial.println(R22);

delay(1000);

}

}

}