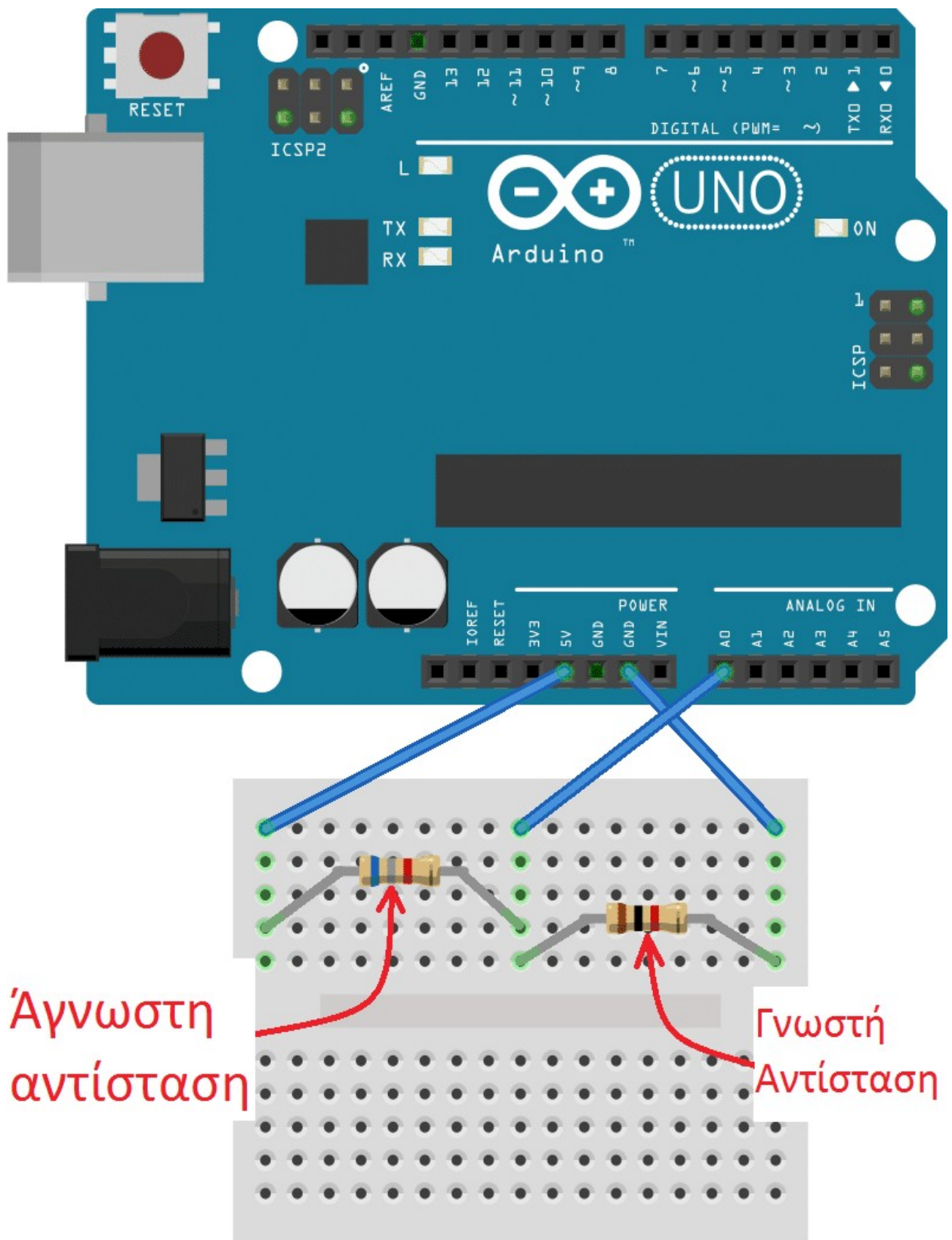


## Υπολογισμός αντίστασης με arduino



Άγνωστη  
αντίσταση

Γνωστή  
Αντίσταση

fritzing

Κώδικας Arduino

```
int analogPin= 0;
int raw= 0;
int Vin= 5;
float Vout= 0;
float R1;
float R2= 0;
float buffer= 0;
void setup()
{
  Serial.begin(9600);
}
void loop()
{ while (Serial.available()==0) { //Wait for user input
}
R1=Serial.parseFloat(); //Read user input into R1
Serial.println(R1);
raw= analogRead(analogPin);
if(raw)
{
  buffer= raw * Vin;
  Vout= (buffer)/1024.0;
  buffer= (Vin/Vout) -1;
  R2= R1 * buffer;
  Serial.print("Vout: ");
  Serial.println(Vout);
  Serial.print("R2: ");
  Serial.println(R2);
  delay(1000);
}
}
```