**MARIA EDUARDA RODRIGUES BRITO** 

**MARIA EDUARDA VIANA PRESTES**

**RAFAELA DA SILVA SABINO**

**THALITA LOPES FERREIRA**

**ARDUÍNO VETOR SEMÁFORO SIMPLES + PEDESTRE \*DUPLICADO**

**int led[10];**

**void setup()**

**{**

**led[0] = 13;**

**led[1] = 12;**

**led[2] = 11;**

**led[3] = 10;**

**led[4] = 9;**

**led[5] = 7;**

**led[6] = 6;**

**led[7] = 5;**

**led[8] = 4;**

**led[9] = 3;**

**pinMode(led[0], OUTPUT);**

**pinMode(led[1], OUTPUT);**

**pinMode(led[2], OUTPUT);**

**pinMode(led[3], OUTPUT);**

**pinMode(led[4], OUTPUT);**

**pinMode(led[5], OUTPUT);**

**pinMode(led[6], OUTPUT);**

**pinMode(led[7], OUTPUT);**

**pinMode(led[8], OUTPUT);**

**pinMode(led[9], OUTPUT);**

**}**

**void loop()**

**{**

**digitalWrite(led[0], HIGH);**

**digitalWrite(led[1], LOW);**

**digitalWrite(led[2], LOW);**

**digitalWrite(led[3], LOW);//**

**digitalWrite(led[4], HIGH);//**

**digitalWrite(led[5], LOW);**

**digitalWrite(led[6], HIGH);**

**digitalWrite(led[7], LOW);**

**digitalWrite(led[8], HIGH);//**

**digitalWrite(led[9], LOW);//**

**delay(3000); // Wait for 1000 millisecond(s)**

**digitalWrite(led[0], LOW);**

**digitalWrite(led[1], LOW);**

**digitalWrite(led[2], HIGH);**

**digitalWrite(led[3], HIGH);//**

**digitalWrite(led[4], LOW);//**

**digitalWrite(led[5], HIGH);**

**digitalWrite(led[6], LOW);**

**digitalWrite(led[7], LOW);**

**digitalWrite(led[8], LOW);//**

**digitalWrite(led[9], HIGH);//**

**delay(3000); // Wait for 1000 millisecond(s)**

**digitalWrite(led[0], LOW);**

**digitalWrite(led[1], HIGH);**

**digitalWrite(led[2], LOW);**

**digitalWrite(led[3], HIGH);//**

**digitalWrite(led[4], LOW);//**

**digitalWrite(led[5], LOW);**

**digitalWrite(led[6], HIGH);**

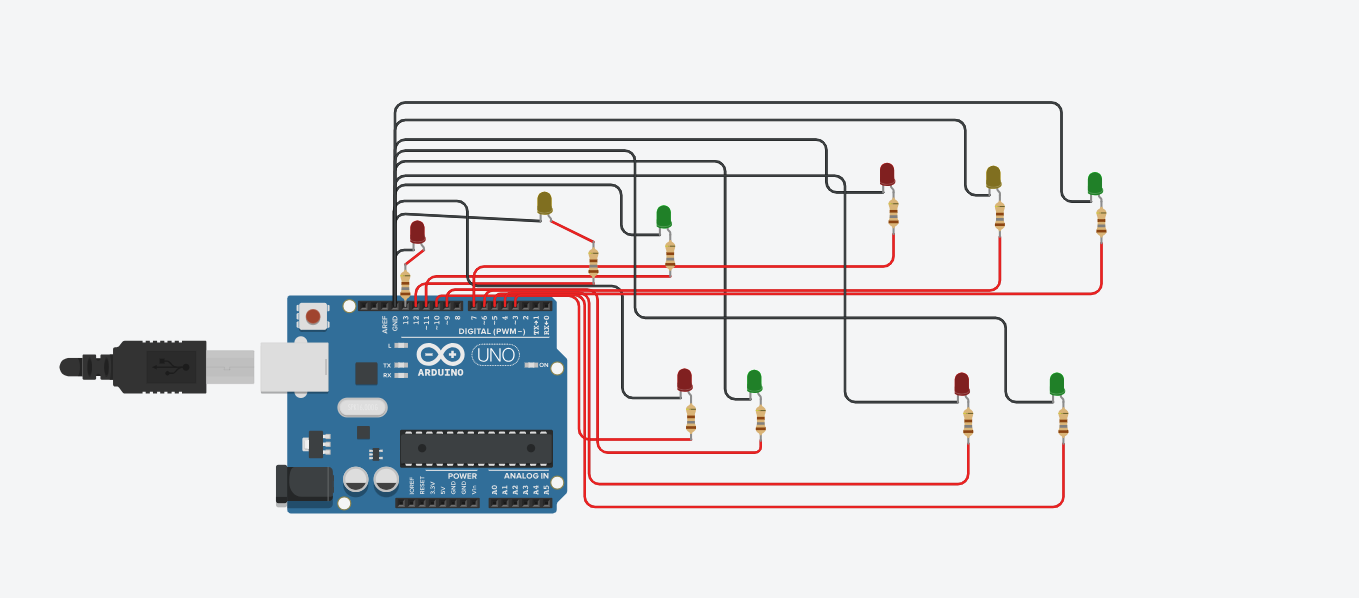
**digitalWrite(led[7], LOW);**

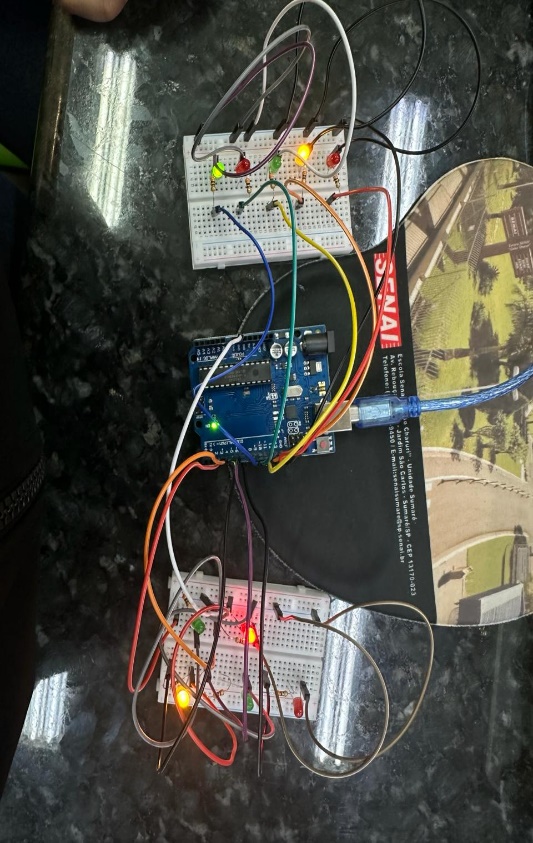
**digitalWrite(led[8], HIGH);//**

**digitalWrite(led[9], LOW);//**

**delay(3000); // Wait for 1000 millisecond(s)**

**}**

****

****