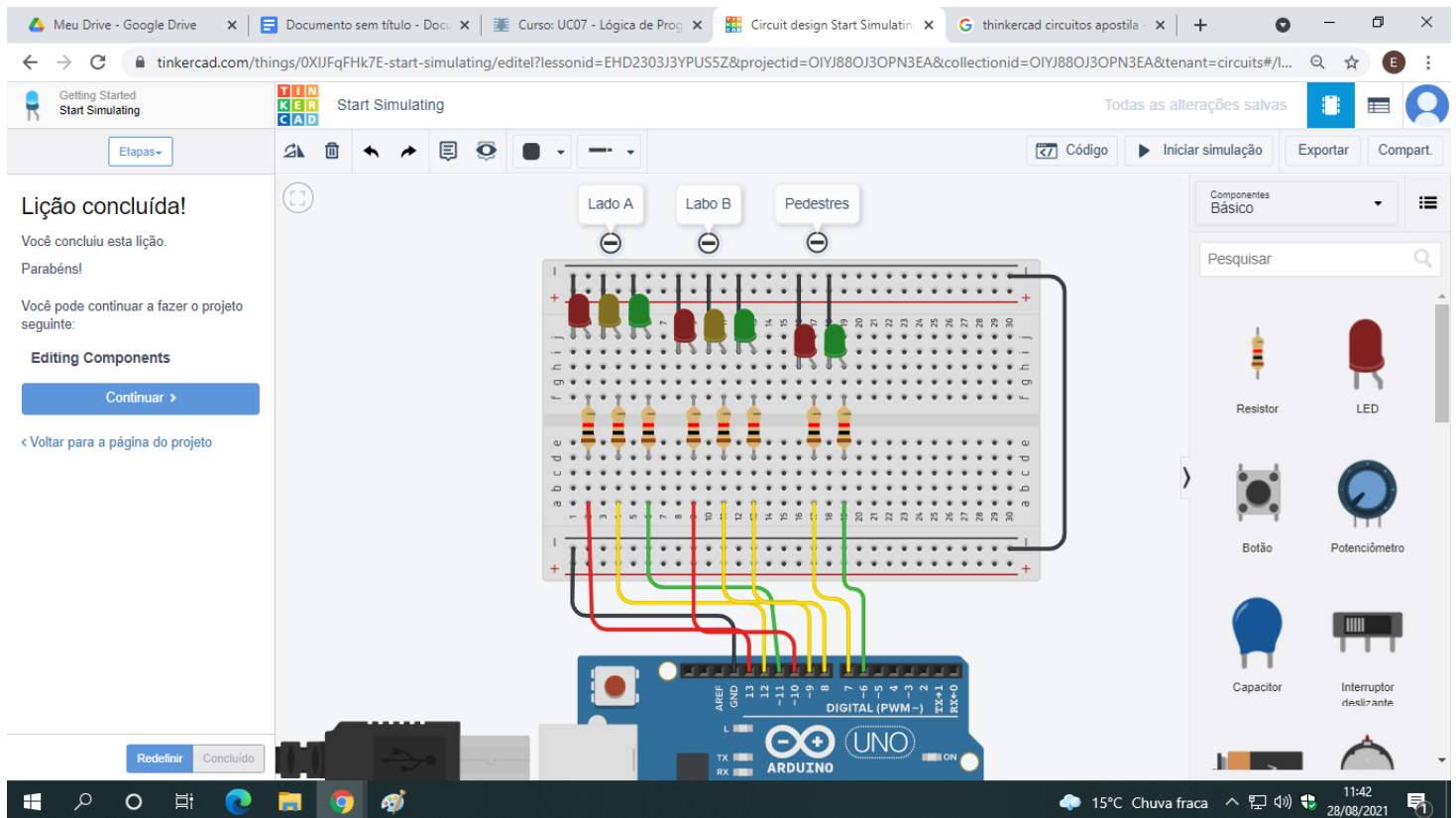


Desafio Semáforo Aula 28/08



```
// C++ code
//
void setup()
{
  pinMode(13, OUTPUT);
  pinMode(12, OUTPUT);
  pinMode(11, OUTPUT);
  pinMode(10, OUTPUT);
  pinMode(9, OUTPUT);
  pinMode(8, OUTPUT);
  pinMode(7, OUTPUT);
  pinMode(6, OUTPUT);
}

void loop()
{
  digitalWrite(13, HIGH); // Lado A Vermelho Lado B Verde
  digitalWrite(12, LOW);
  digitalWrite(11, LOW);
  digitalWrite(10, LOW);
  digitalWrite(9, LOW);
  digitalWrite(8, HIGH);
  digitalWrite(7, HIGH);
}
```

```
digitalWrite(6, LOW);
delay(4000);
digitalWrite(13, HIGH); //Lado A Vermelho Lado B Amarelo
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, LOW);
digitalWrite(9, HIGH);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(8000);
digitalWrite(13, LOW); //Lado A Verde Lado B Vermelho
digitalWrite(12, LOW);
digitalWrite(11, HIGH);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(4000);
digitalWrite(13, LOW); //Lado A Amarelo Lado B Verde
digitalWrite(12, HIGH);
digitalWrite(11, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(4000);
digitalWrite(13, HIGH); //Lado A Vermelho Lado B Verde
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, LOW);
digitalWrite(9, LOW);
digitalWrite(8, HIGH);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(4000);
digitalWrite(13, HIGH); //Lado A Vermelho Lado B Amarelo
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, LOW);
digitalWrite(9, HIGH);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(8000);
digitalWrite(13, LOW); //Lado A Verde Lado B Vermelho
```

```
digitalWrite(12, LOW);
digitalWrite(11, HIGH);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(4000);
digitalWrite(13, LOW); //Lado A Amarelo Lado B Vermelho
digitalWrite(12, HIGH);
digitalWrite(11, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(4000);
digitalWrite(13, HIGH); //Lado A Vermelho Lado B Verde
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, LOW);
digitalWrite(9, LOW);
digitalWrite(8, HIGH);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(4000);
digitalWrite(13, HIGH); //Lado A Vermelho Lado B Amarelo
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, LOW);
digitalWrite(9, HIGH);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(8000);
digitalWrite(13, LOW); //Lado A Verde Lado B Vermelho
digitalWrite(12, LOW);
digitalWrite(11, HIGH);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(4000);
digitalWrite(13, HIGH); //Pedestre Verde
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, HIGH);
```

```
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, LOW);
digitalWrite(6, HIGH);
delay(9000);
  digitalWrite(13, HIGH); //Pedestre Vermelho Ligado
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(2000);
  digitalWrite(13, HIGH); //Pedestre Vermelho Desligado
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, LOW);
digitalWrite(6, LOW);
delay(1000);
  digitalWrite(13, HIGH); //Pedestre Vermelho Ligado
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
digitalWrite(6, LOW);
delay(2000);
  digitalWrite(13, HIGH); //Pedestre Vermelho Desligado
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, LOW);
digitalWrite(6, LOW);
delay(1000);
  digitalWrite(13, HIGH); //Pedestre Vermelho Ligado
digitalWrite(12, LOW);
digitalWrite(11, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);
digitalWrite(8, LOW);
digitalWrite(7, HIGH);
```

```
digitalWrite(6, LOW);  
delay(2000);  
  digitalWrite(13, HIGH); //Pedestre Vermelho Desligado  
digitalWrite(12, LOW);  
digitalWrite(11, LOW);  
digitalWrite(10, HIGH);  
digitalWrite(9, LOW);  
digitalWrite(8, LOW);  
digitalWrite(7, LOW);  
digitalWrite(6, LOW);  
delay(1000);  
}
```