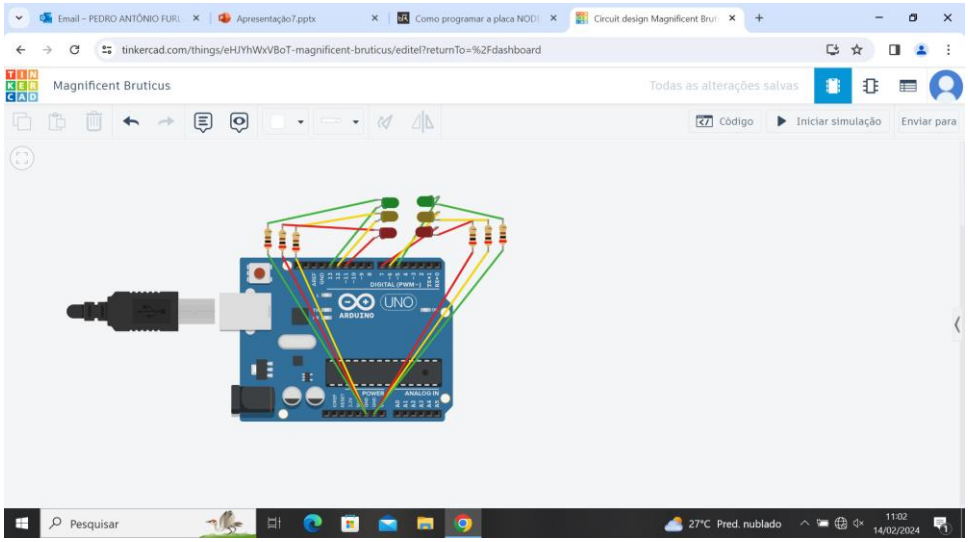
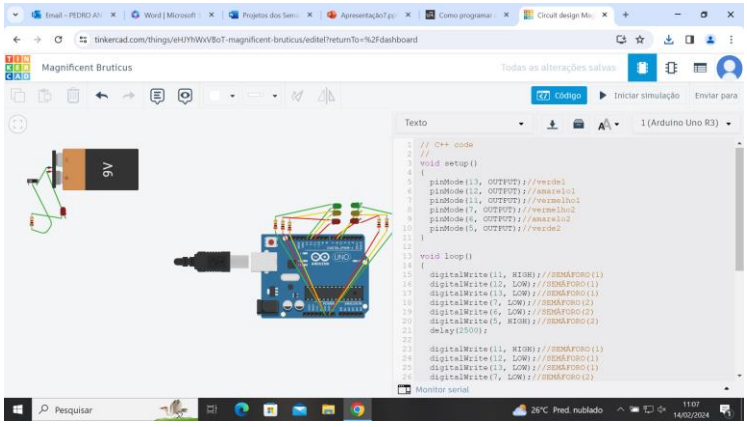
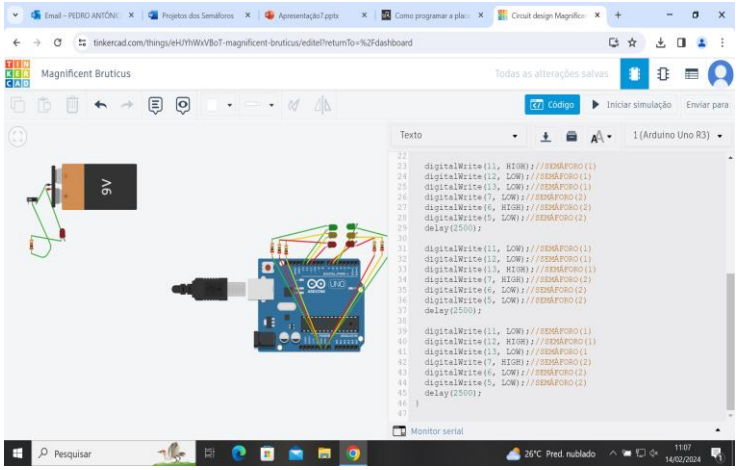
Projetos dos Semáforos

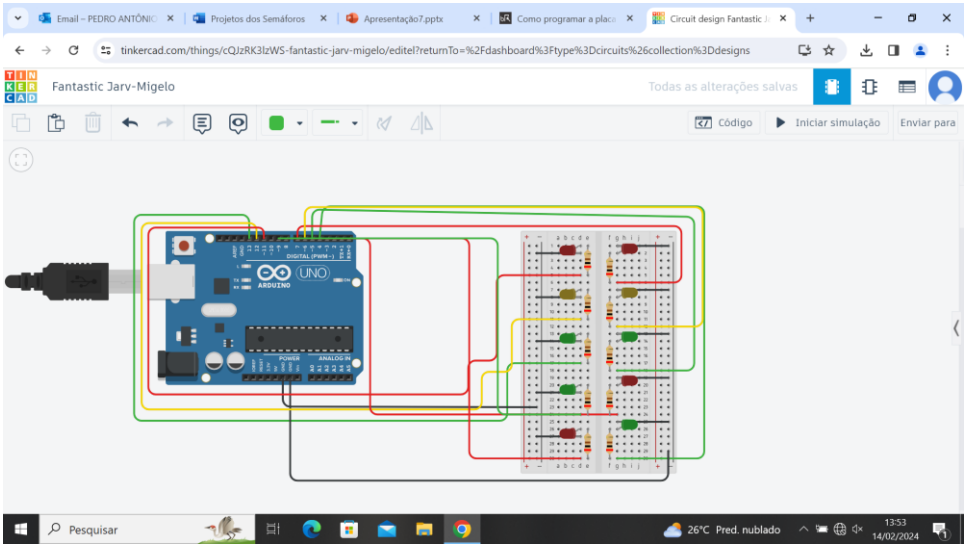
Estrutura:

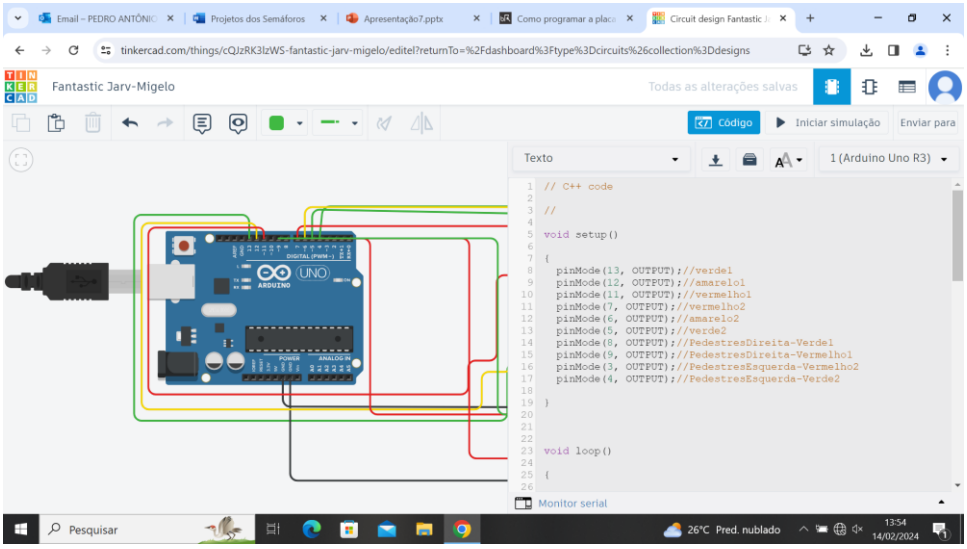


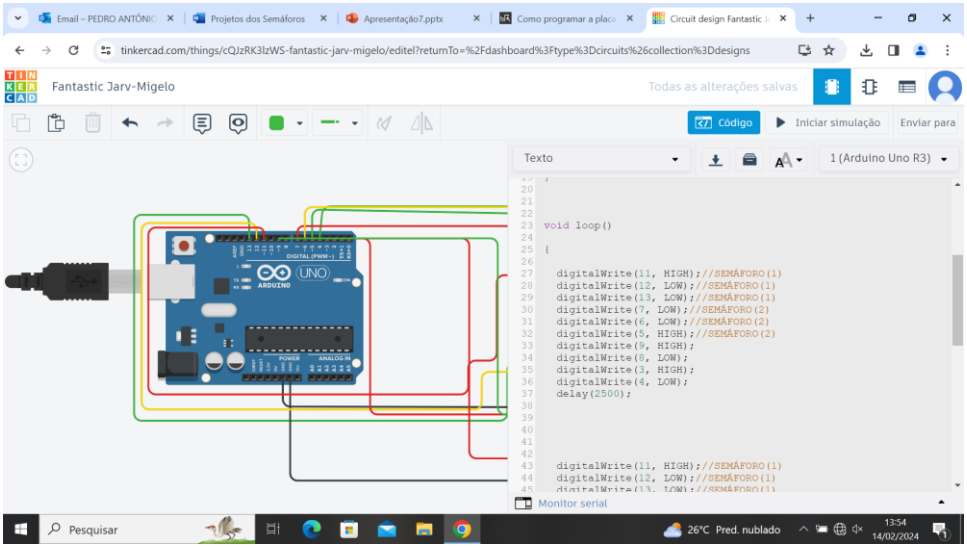
Programação: C++

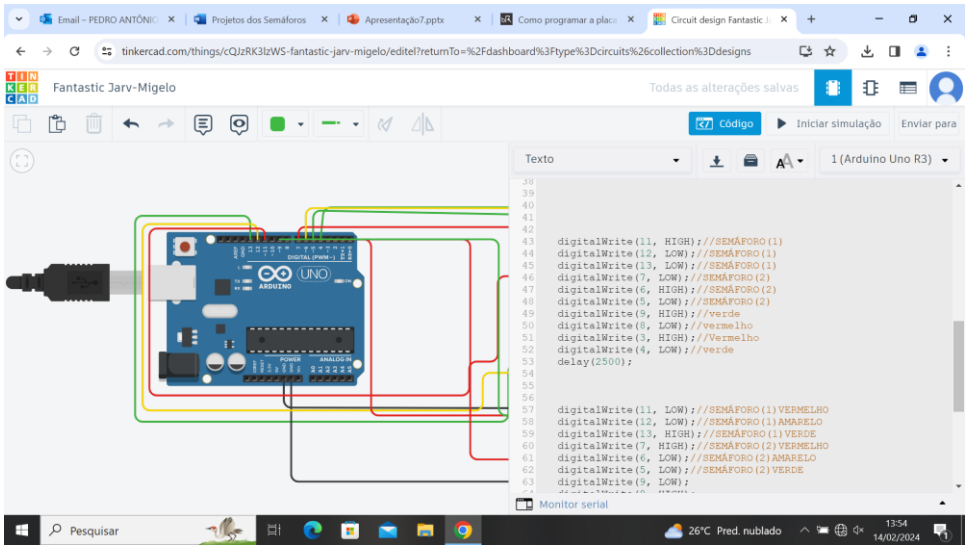


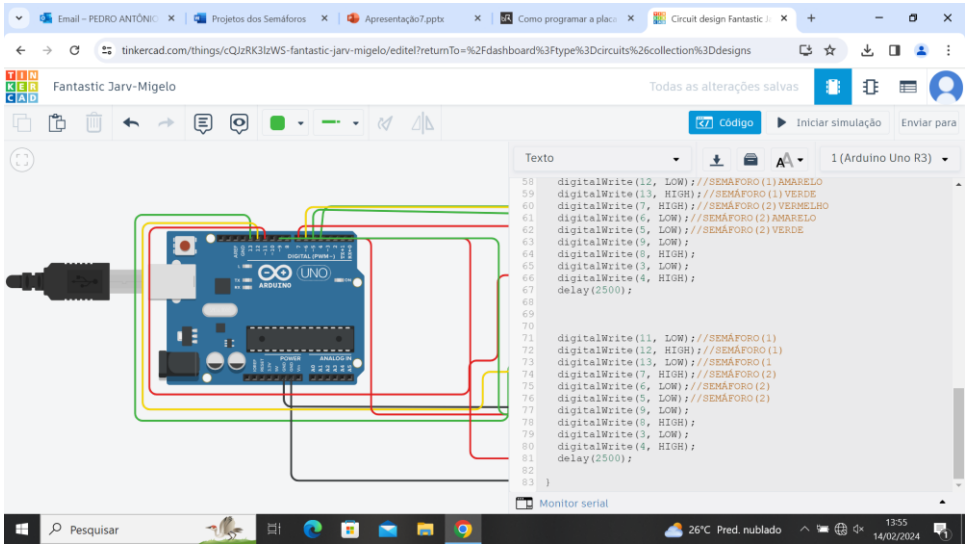



Fantastic Jarv-Migelo
Todas as alterações salvas
Código
Iniciar simulação
Enviar para
Pesquisar
26°C Pred. nublado
13:53
14/02/2024


Fantastic Jarv-Migelo
Todas as alterações salvas
Código
Iniciar simulação
Enviar para
Texto
1 (Arduino Uno R3)
// C++ code
//
void setup()
{
pinMode(13, OUTPUT);//verde1
pinMode(12, OUTPUT);//amarelo1
pinMode(11, OUTPUT);//vermelho1
pinMode(7, OUTPUT);//vermelho2
pinMode(6, OUTPUT);//amarelo2
pinMode(5, OUTPUT);//verde2
pinMode(8, OUTPUT);//PedestresDireita-Verde1
pinMode(9, OUTPUT);//PedestresDireita-Vermelho1
pinMode(3, OUTPUT);//PedestresEsquerda-Vermelho2
pinMode(4, OUTPUT);//PedestresEsquerda-Verde2
}
void loop()
{
Monitor serial
Pesquisar
26°C Pred. nublado
13:54
14/02/2024


Fantastic Jarv-Migelo
Todas as alterações salvas
Código
Iniciar simulação
Enviar para
Texto
1 (Arduino Uno R3)
void loop()
{
digitalWrite(11, HIGH);//SEMÁFORO(1)
digitalWrite(12, LOW);//SEMÁFORO(1)
digitalWrite(13, LOW);//SEMÁFORO(1)
digitalWrite(7, LOW);//SEMÁFORO(2)
digitalWrite(6, LOW);//SEMÁFORO(2)
digitalWrite(5, HIGH);//SEMÁFORO(2)
digitalWrite(9, HIGH);
digitalWrite(8, LOW);
digitalWrite(3, HIGH);
digitalWrite(4, LOW);
delay(2500);
digitalWrite(11, HIGH);//SEMÁFORO(1)
digitalWrite(12, LOW);//SEMÁFORO(1)
Monitor serial
Pesquisar
26°C Pred. nublado
13:54
14/02/2024

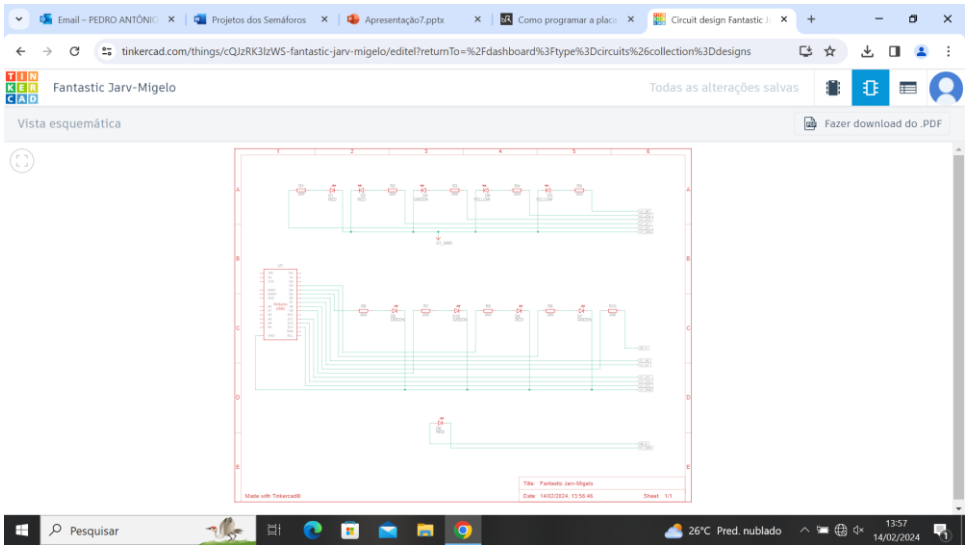


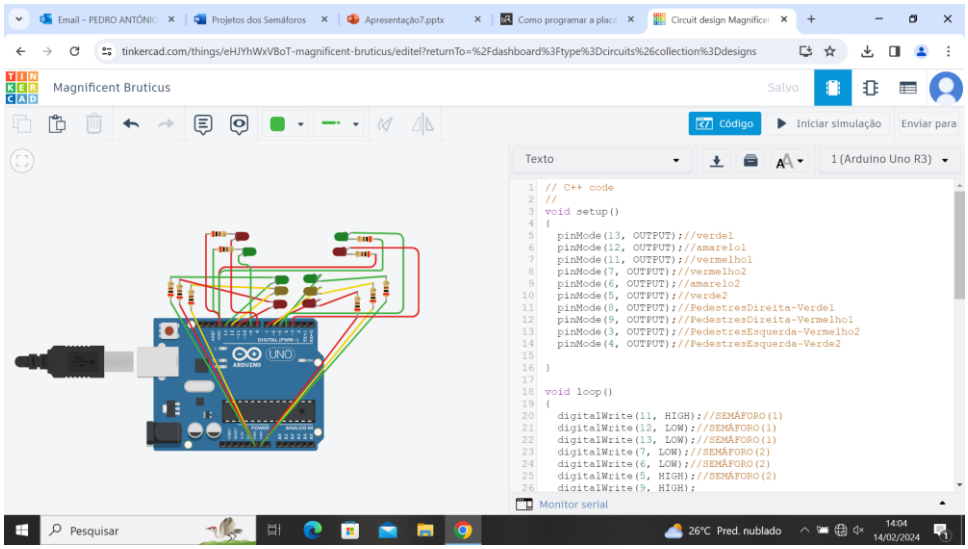


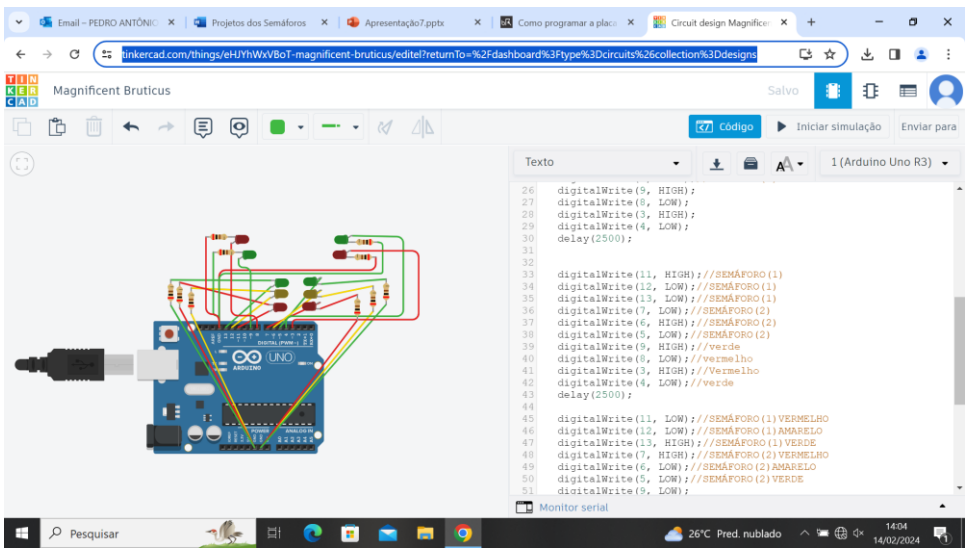

```
// C++ code

//

void setup()

{
 pinMode(13, OUTPUT);//verde1
 pinMode(12, OUTPUT);//amarelo1
 pinMode(11, OUTPUT);//vermelho1
 pinMode(7, OUTPUT);//vermelho2
 pinMode(6, OUTPUT);//amarelo2
```

```
 pinMode(5, OUTPUT);//verde2
 pinMode(8, OUTPUT);//PedestresDireita-Verde1
 pinMode(9, OUTPUT);//PedestresDireita-Vermelho1
 pinMode(3, OUTPUT);//PedestresEsquerda-Vermelho2
 pinMode(4, OUTPUT);//PedestresEsquerda-Verde2

}

void loop()

{

 digitalWrite(11, HIGH);//SEMÁFORO(1)
 digitalWrite(12, LOW);//SEMÁFORO(1)
 digitalWrite(13, LOW);//SEMÁFORO(1)
 digitalWrite(7, LOW);//SEMÁFORO(2)
 digitalWrite(6, LOW);//SEMÁFORO(2)
 digitalWrite(5, HIGH);//SEMÁFORO(2)
 digitalWrite(9, HIGH);
 digitalWrite(8, LOW);
 digitalWrite(3, HIGH);
 digitalWrite(4, LOW);
 delay(2500);

 digitalWrite(11, HIGH);//SEMÁFORO(1)
 digitalWrite(12, LOW);//SEMÁFORO(1)
 digitalWrite(13, LOW);//SEMÁFORO(1)
 digitalWrite(7, LOW);//SEMÁFORO(2)
 digitalWrite(6, HIGH);//SEMÁFORO(2)
 digitalWrite(5, LOW);//SEMÁFORO(2)
 digitalWrite(9, HIGH);//verde
 digitalWrite(8, LOW);//vermelho
 digitalWrite(3, HIGH);//Vermelho
```

```
digitalWrite(4, LOW);//verde
delay(2500);




digitalWrite(11, LOW);//SEMÁFORO(1)VERMELHO
digitalWrite(12, LOW);//SEMÁFORO(1)AMARELO
digitalWrite(13, HIGH);//SEMÁFORO(1)VERDE
digitalWrite(7, HIGH);//SEMÁFORO(2)VERMELHO
digitalWrite(6, LOW);//SEMÁFORO(2)AMARELO
digitalWrite(5, LOW);//SEMÁFORO(2)VERDE
digitalWrite(9, LOW);
digitalWrite(8, HIGH);
digitalWrite(3, LOW);
digitalWrite(4, HIGH);
delay(2500);




digitalWrite(11, LOW);//SEMÁFORO(1)
digitalWrite(12, HIGH);//SEMÁFORO(1)
digitalWrite(13, LOW);//SEMÁFORO(1
digitalWrite(7, HIGH);//SEMÁFORO(2)
digitalWrite(6, LOW);//SEMÁFORO(2)
digitalWrite(5, LOW);//SEMÁFORO(2)
digitalWrite(9, LOW);
digitalWrite(8, HIGH);
digitalWrite(3, LOW);
digitalWrite(4, HIGH);
delay(2500);


}
```


Fantastic Jarv-Migelo
Todas as alterações salvas
Vista esquemática
Fazer download do .PDF


Magnificent Bruticus
Salvo
Código
Iniciar simulação
Enviar para
Texto
1 (Arduino Uno R3)
// C++ code
//
void setup()
{
pinMode(13, OUTPUT);//verde1
pinMode(12, OUTPUT);//amarelo1
pinMode(11, OUTPUT);//vermelho1
pinMode(7, OUTPUT);//vermelho2
pinMode(6, OUTPUT);//amarelo2
pinMode(5, OUTPUT);//verde2
pinMode(8, OUTPUT);//PedestresDireita-Verde1
pinMode(9, OUTPUT);//PedestresDireita-Vermelho1
pinMode(3, OUTPUT);//PedestresEsquerda-Vermelho2
pinMode(4, OUTPUT);//PedestresEsquerda-Verde2
}
void loop()
{
digitalWrite(11, HIGH);//SEMÁFORO(1)
digitalWrite(12, LOW);//SEMÁFORO(1)
digitalWrite(13, LOW);//SEMÁFORO(1)
digitalWrite(7, LOW);//SEMÁFORO(2)
digitalWrite(6, LOW);//SEMÁFORO(2)
digitalWrite(5, HIGH);//SEMÁFORO(2)
digitalWrite(9, HIGH);
Monitor serial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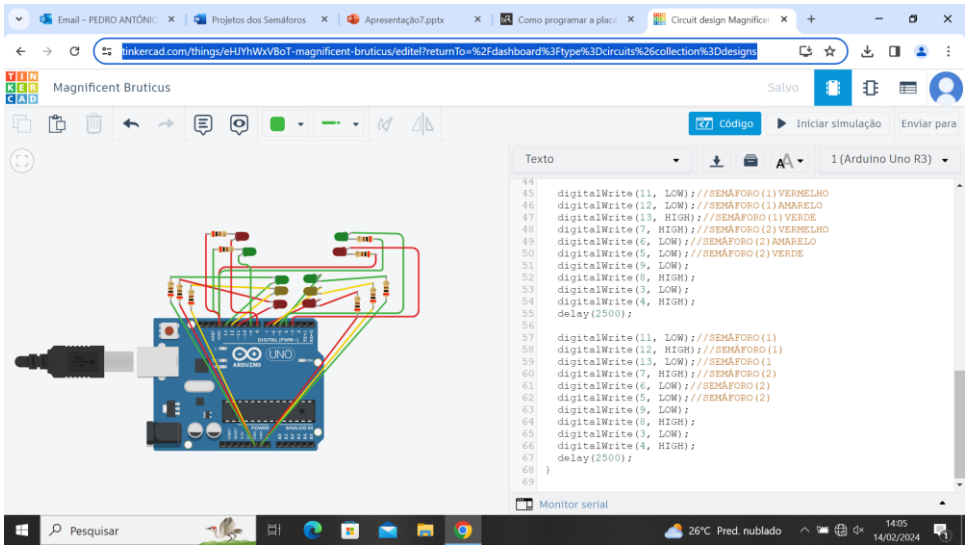
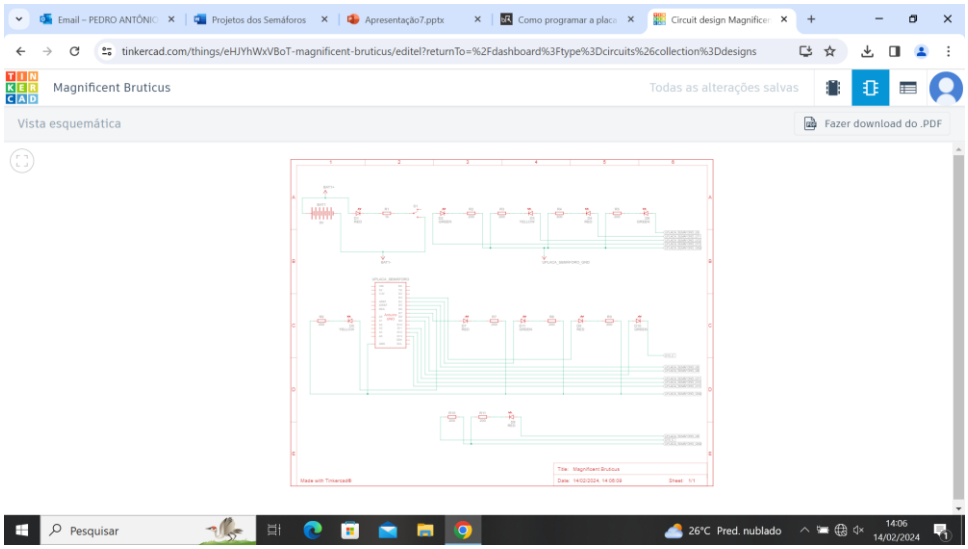
Magnificent Bruticus
Salvo
Código
Iniciar simulação
Enviar para
Texto
1 (Arduino Uno R3)
digitalWrite(9, HIGH);
digitalWrite(8, LOW);
digitalWrite(3, HIGH);
digitalWrite(4, LOW);
delay(2500);
digitalWrite(11, HIGH);//SEMÁFORO(1)
digitalWrite(12, LOW);//SEMÁFORO(1)
digitalWrite(13, LOW);//SEMÁFORO(1)
digitalWrite(7, LOW);//SEMÁFORO(2)
digitalWrite(6, HIGH);//SEMÁFORO(2)
digitalWrite(5, LOW);//SEMÁFORO(2)
digitalWrite(9, HIGH);//verde
digitalWrite(8, LOW);//vermelho
digitalWrite(3, HIGH);//Vermelho
digitalWrite(4, LOW);//verde
delay(2500);
digitalWrite(11, LOW);//SEMÁFORO(1)VERMELHO
digitalWrite(12, LOW);//SEMÁFORO(1)AMARELO
digitalWrite(13, HIGH);//SEMÁFORO(1)VERDE
digitalWrite(7, HIGH);//SEMÁFORO(2)VERMELHO
digitalWrite(6, LOW);//SEMÁFORO(2)AMARELO
digitalWrite(5, LOW);//SEMÁFORO(2)VERDE
digitalWrite(9, LOW);
Monitor serial






```
// C++ code
//
void setup()
{
  pinMode(13, OUTPUT);//verde1
  pinMode(12, OUTPUT);//amarelo1
  pinMode(11, OUTPUT);//vermelho1
  pinMode(7, OUTPUT);//vermelho2
  pinMode(6, OUTPUT);//amarelo2
  pinMode(5, OUTPUT);//verde2
  pinMode(8, OUTPUT);//PedestresDireita-Verde1
```

```
  pinMode(9, OUTPUT);//PedestresDireita-Vermelho1
  pinMode(3, OUTPUT);//PedestresEsquerda-Vermelho2
  pinMode(4, OUTPUT);//PedestresEsquerda-Verde2

}

void loop()
{
  digitalWrite(11, HIGH);//SEMÁFORO(1)
  digitalWrite(12, LOW);//SEMÁFORO(1)
  digitalWrite(13, LOW);//SEMÁFORO(1)
  digitalWrite(7, LOW);//SEMÁFORO(2)
  digitalWrite(6, LOW);//SEMÁFORO(2)
  digitalWrite(5, HIGH);//SEMÁFORO(2)
  digitalWrite(9, HIGH);
  digitalWrite(8, LOW);
  digitalWrite(3, HIGH);
  digitalWrite(4, LOW);
  delay(2500);


  digitalWrite(11, HIGH);//SEMÁFORO(1)
  digitalWrite(12, LOW);//SEMÁFORO(1)
  digitalWrite(13, LOW);//SEMÁFORO(1)
  digitalWrite(7, LOW);//SEMÁFORO(2)
  digitalWrite(6, HIGH);//SEMÁFORO(2)
  digitalWrite(5, LOW);//SEMÁFORO(2)
  digitalWrite(9, HIGH);//verde
  digitalWrite(8, LOW);//vermelho
  digitalWrite(3, HIGH);//Vermelho
  digitalWrite(4, LOW);//verde
```

```
  delay(2500);

  digitalWrite(11, LOW);//SEMÁFORO(1)VERMELHO
  digitalWrite(12, LOW);//SEMÁFORO(1)AMARELO
  digitalWrite(13, HIGH);//SEMÁFORO(1)VERDE
  digitalWrite(7, HIGH);//SEMÁFORO(2)VERMELHO
  digitalWrite(6, LOW);//SEMÁFORO(2)AMARELO
  digitalWrite(5, LOW);//SEMÁFORO(2)VERDE
  digitalWrite(9, LOW);
  digitalWrite(8, HIGH);
  digitalWrite(3, LOW);
  digitalWrite(4, HIGH);
  delay(2500);

  digitalWrite(11, LOW);//SEMÁFORO(1)
  digitalWrite(12, HIGH);//SEMÁFORO(1)
  digitalWrite(13, LOW);//SEMÁFORO(1
  digitalWrite(7, HIGH);//SEMÁFORO(2)
  digitalWrite(6, LOW);//SEMÁFORO(2)
  digitalWrite(5, LOW);//SEMÁFORO(2)
  digitalWrite(9, LOW);
  digitalWrite(8, HIGH);
  digitalWrite(3, LOW);
  digitalWrite(4, HIGH);
  delay(2500);
}
```