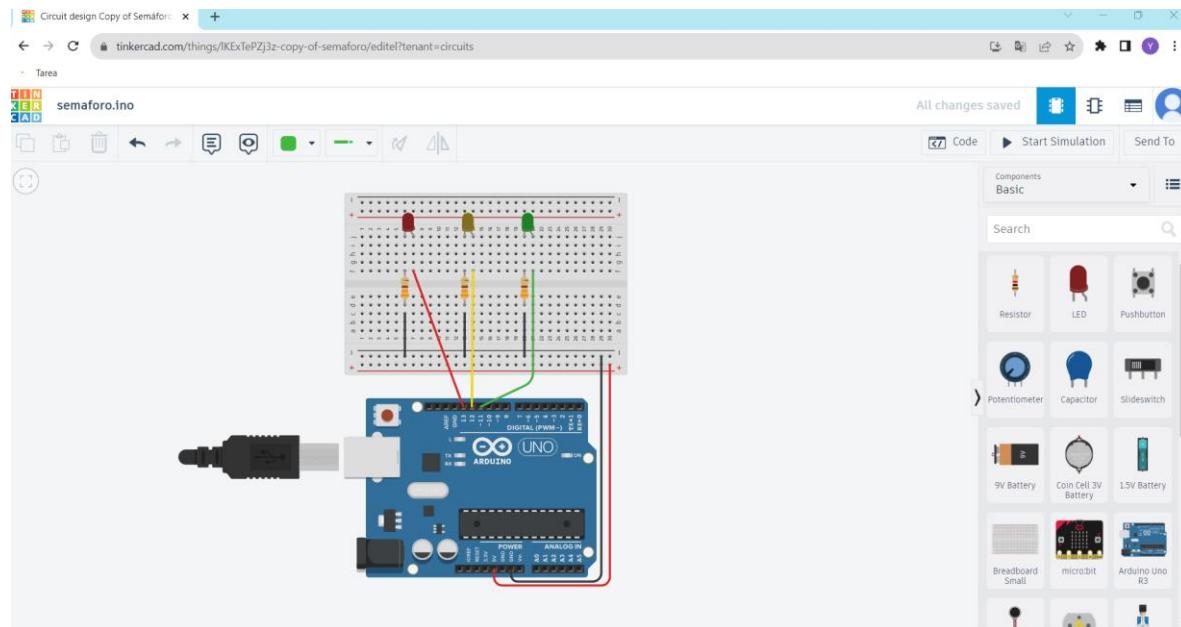
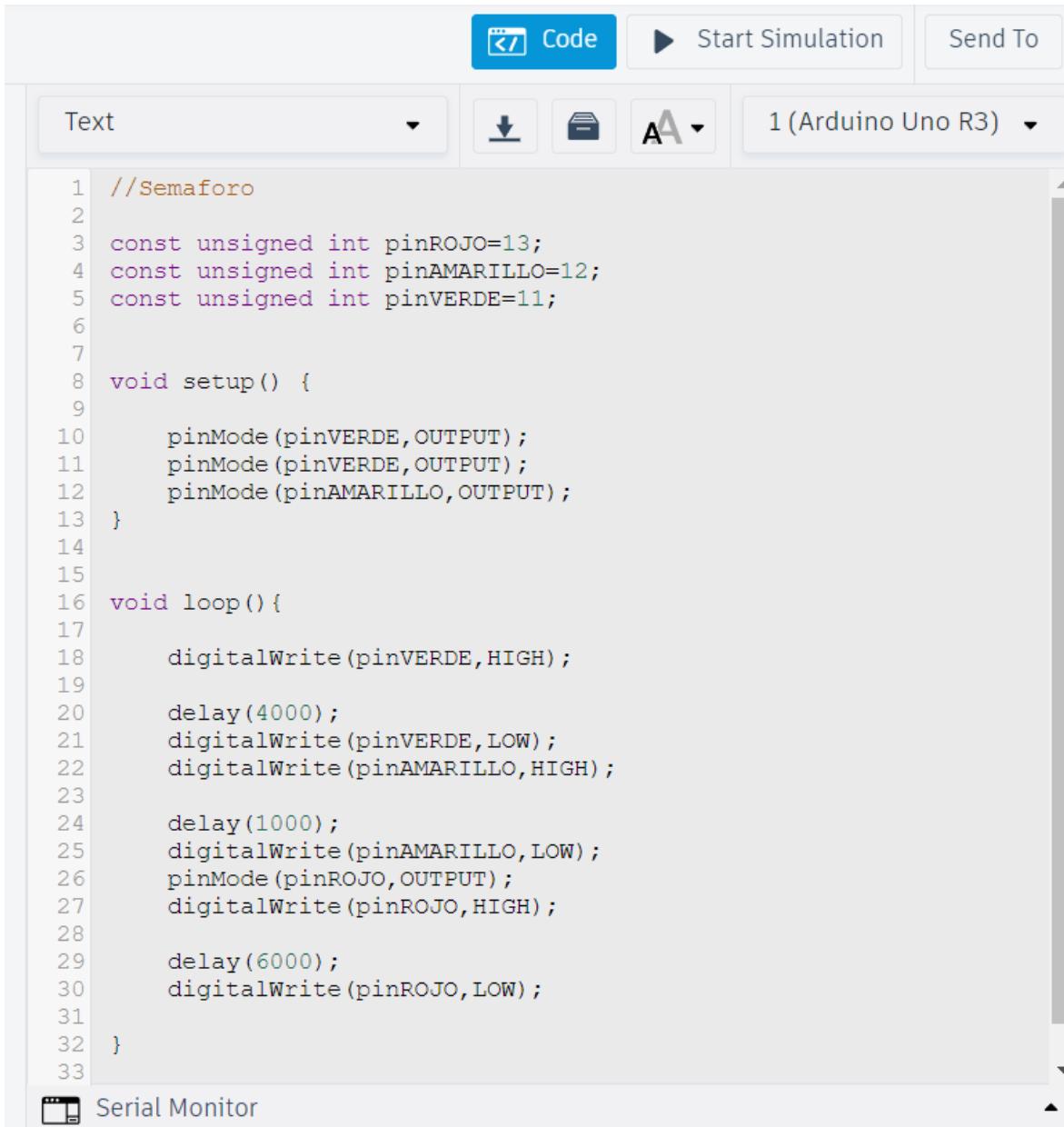


Práctica 2. Semáforo

Para esta práctica, utilizará el circuito que aparece en la siguiente imagen.



Una vez realizado el circuito, teclee el siguiente código.



The screenshot shows the Tinkercad Arduino IDE interface. At the top, there are buttons for 'Code' (highlighted in blue), 'Start Simulation', and 'Send To'. Below these are dropdown menus for 'Text' (selected), download, and font size. A port selection dropdown shows '1 (Arduino Uno R3)'. The main area contains the following Arduino sketch:

```
//Semaforo
const unsigned int pinROJO=13;
const unsigned int pinAMARILLO=12;
const unsigned int pinVERDE=11;

void setup() {
    pinMode(pinVERDE, OUTPUT);
    pinMode(pinAMARILLO, OUTPUT);
}

void loop(){
    digitalWrite(pinVERDE, HIGH);
    delay(4000);
    digitalWrite(pinVERDE, LOW);
    digitalWrite(pinAMARILLO, HIGH);

    delay(1000);
    digitalWrite(pinAMARILLO, LOW);
    pinMode(pinROJO, OUTPUT);
    digitalWrite(pinROJO, HIGH);

    delay(6000);
    digitalWrite(pinROJO, LOW);
}
```

At the bottom left, there is a 'Serial Monitor' icon.