

Instituto Tecnológico de León Ingeniería en Sistemas Computacionales

SISTEMAS PROGRAMABLES

SEMAFORO

Carlos enrique de jesus Anguiano nuñez

<u>CODIGO</u>

```
int sensorPin = A0;
int boton =2;
int sensorValue;
int rapidez;
void setup() {
 // put your setup code here, to run once:
 pinMode(boton,INPUT);
 pinMode(9,OUTPUT);// ROJO PEATON
 pinMode(10,OUTPUT);// VERDE PEATON
 pinMode(11,OUTPUT);// VERDE CARRO
 pinMode(12,OUTPUT);// AMARILLO CARRO
 pinMode(13,OUTPUT);// ROJO CARRO
 //delay(rapidez);
}
void loop() {
 sensorValue = analogRead(sensorPin);
 rapidez = map(sensorValue, 0,70,0,500);
 // put your main code here, to run repeatedly:
digitalWrite(11, HIGH); // VERDE CARRO ENCENDIDO
digitalWrite(9, HIGH); // ROJO PEATON ENCENDIDO
if(digitalRead(boton)==LOW){
```

```
digitalWrite(11,LOW);// VERDE CARRO APAGADO
digitalWrite(12,HIGH);// AMARILLO CARRO ENCENDIDO
delay(2500);
digitalWrite(12,LOW);// AMARILLO CARRO APAGADO
digitalWrite(13,HIGH);// ROJO CARRO ENCENDIDO
digitalWrite(9,LOW);// ROJO PEATON APAGADO
digitalWrite(10,HIGH);// VERDE PEATON ENCENDIDO
delay(8000);
//delay(rapidez);
digitalWrite(10,LOW);// VERDE PEATON APAGADO
digitalWrite(13,LOW);// ROJO CARRO APAGADO
}
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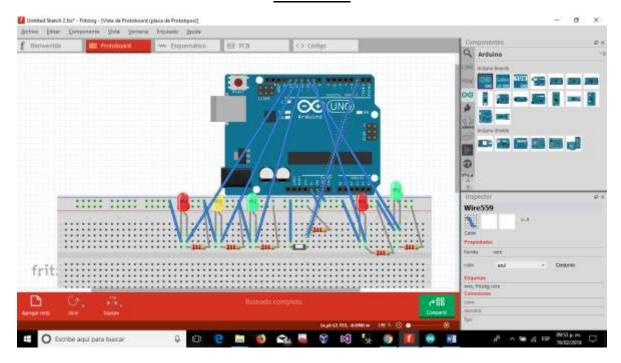
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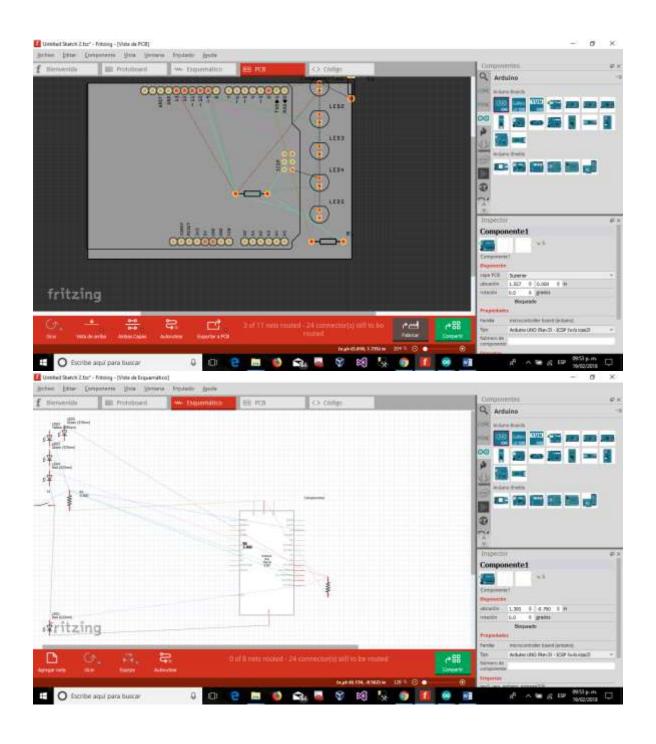
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Scribe aquí para buscar

<u>DIAGRAMA</u>





EVIDENCIAS

