```
/*
Designed by Jotroniks
Traffic Control light
for an intersection
Date:15/12/2023
During SWEP 2.
*/

const int ledPin1 = 0;
const int ledPin2 = 2;
const int ledPin3 = 4;

//second set
const int ledPin4= 1;
const int ledPin5 = 3;
const int ledPin6 = 5;


void setup() {
  // put your setup code here, to run once:

  pinMode(ledPin1, OUTPUT); //set to output mode
  pinMode(ledPin2, OUTPUT);
  pinMode(ledPin3, OUTPUT);

  digitalWrite(ledPin1, LOW); //set to off state
  digitalWrite(ledPin2, LOW); //set to off state
  digitalWrite(ledPin3, LOW); //set to off state
```

```
  //second set
  pinMode(ledPin4, OUTPUT); //set to output mode
  pinMode(ledPin5, OUTPUT);
  pinMode(ledPin6, OUTPUT);

  digitalWrite(ledPin4, LOW); //set to off state
  digitalWrite(ledPin5, LOW); //set to off state
  digitalWrite(ledPin6, LOW); //set to off state


}

void loop() {
  // put your main code here, to run repeatedly:

 //turrn on LED
 digitalWrite(ledPin1, HIGH);
 digitalWrite(ledPin6, HIGH);
 //for 1 second
 delay(1000);


// YELLOW
  digitalWrite(ledPin2, HIGH);
  digitalWrite(ledPin5, HIGH);
 // for  second
 delay(400);
```

```
// RED AND YELLOW
//turn off
digitalWrite(ledPin1, LOW);
digitalWrite(ledPin6, LOW);
// for 1 second
//delay(800);

digitalWrite(ledPin2, LOW);
digitalWrite(ledPin5, LOW);
// for 1 second
delay(500);

//GREEN
 digitalWrite(ledPin3, HIGH);
 //second set
 digitalWrite(ledPin4, HIGH);
//for 1 second
delay(1000);

 //GREEN
 digitalWrite(ledPin3, LOW);
 //second set
 digitalWrite(ledPin4, LOW);
//for 1 second
delay(500);

// YELLOW
digitalWrite(ledPin2, HIGH);
```

```
 digitalWrite(ledPin5, HIGH);
 delay(400);

 digitalWrite(ledPin2, LOW);
 digitalWrite(ledPin5, LOW);
 delay(100);

}
```