Q. Traffic signal with red, green, yellow LED. turn on red LED for 2sec, blink yellow 5 times with 0.5sec ON and 0.5 sec OFF then turn on green for 5 secs.

Diagram

Description automatically generated

/\*SKETCH\*/

void setup()

{

pinMode(2,OUTPUT);

pinMode(3,OUTPUT);

pinMode(4,OUTPUT);

}

void loop()

{

//red light

digitalWrite(4,HIGH);

delay(2000);//millisecs

digitalWrite(4,LOW);

//Yellow light//

digitalWrite(2,HIGH);

delay(500);

digitalWrite(2,LOW);

delay(500);

digitalWrite(2,HIGH);

delay(500);

digitalWrite(2,LOW);

delay(500);

digitalWrite(2,HIGH);

delay(500);

digitalWrite(2,LOW);

delay(500);

digitalWrite(2,HIGH);

delay(500);

digitalWrite(2,LOW);

delay(500);

digitalWrite(2,HIGH);

delay(500);

digitalWrite(2,LOW);

delay(500);

//green light//

digitalWrite(3,HIGH);

delay(2000);

digitalWrite(3,LOW);

}