

W New Raspberry P... X W wokwi-led Refer... X Traffic Light Syste... X Traffic Light and... X W New Raspberry P... X Arduino Traffic L... X New Tab X

wokwi.com/projects/new/pi-pico

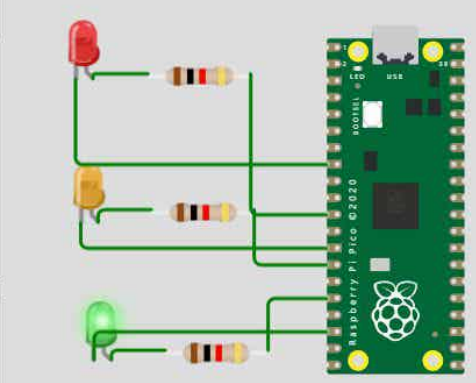
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sketch.ino diagram.json Library Manager

```
22 yellow_light();
23 delay(DELAY_YELLOW);
24 red_light();
25 delay(DELAY_RED);
26 }
27
28 void green_light()
29 {
30   digitalWrite(GREEN, HIGH);
31   digitalWrite(YELLOW, LOW);
32   digitalWrite(RED, LOW);
33 }
34
35 void yellow_light()
36 {
37   digitalWrite(GREEN, LOW);
38   digitalWrite(YELLOW, HIGH);
39   digitalWrite(RED, LOW);
40 }
41
42 void red_light()
43 {
44   digitalWrite(GREEN, LOW);
45   digitalWrite(YELLOW, LOW);
46   digitalWrite(RED, HIGH);
47 }
48
49
50
```

Simulation

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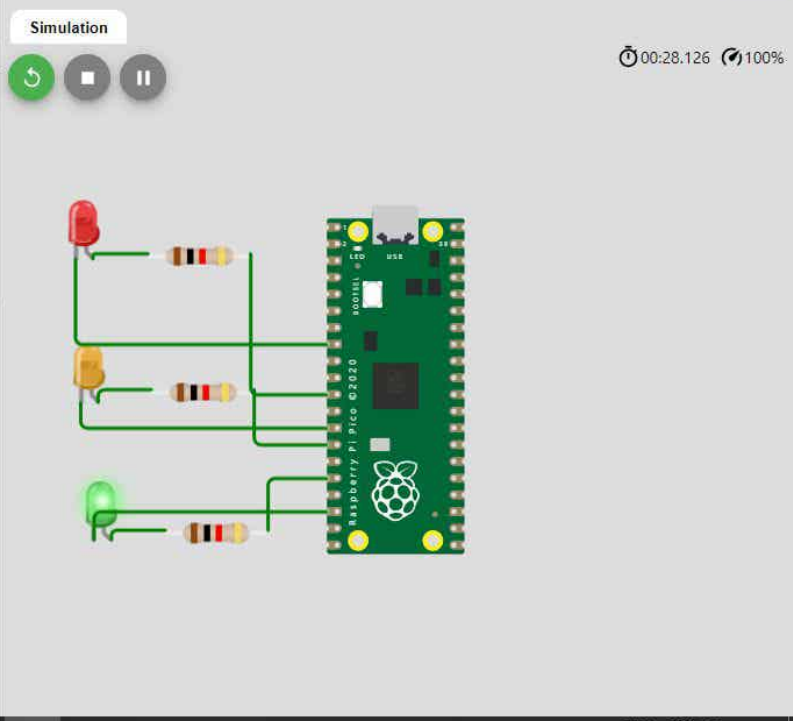
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sketch.ino diagram.json Library Manager

```
1 // variables
2 int GREEN = 12;
3 int YELLOW = 10;
4 int RED = 8;
5 int DELAY_GREEN = 5000;
6 int DELAY_YELLOW = 2000;
7 int DELAY_RED = 5000;
8
9
10 // basic functions
11 void setup()
12 {
13   pinMode(GREEN, OUTPUT);
14   pinMode(YELLOW, OUTPUT);
15   pinMode(RED, OUTPUT);
16 }
17
18 void loop()
19 {
20   green_light();
21   delay(DELAY_GREEN);
22   yellow_light();
23   delay(DELAY_YELLOW);
24   red_light();
25   delay(DELAY_RED);
26 }
27
28 void green_light()
29 {
30   digitalWrite(GREEN, HIGH);
31   digitalWrite(YELLOW, LOW);
32   digitalWrite(RED, LOW);
33 }
```

Simulation

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