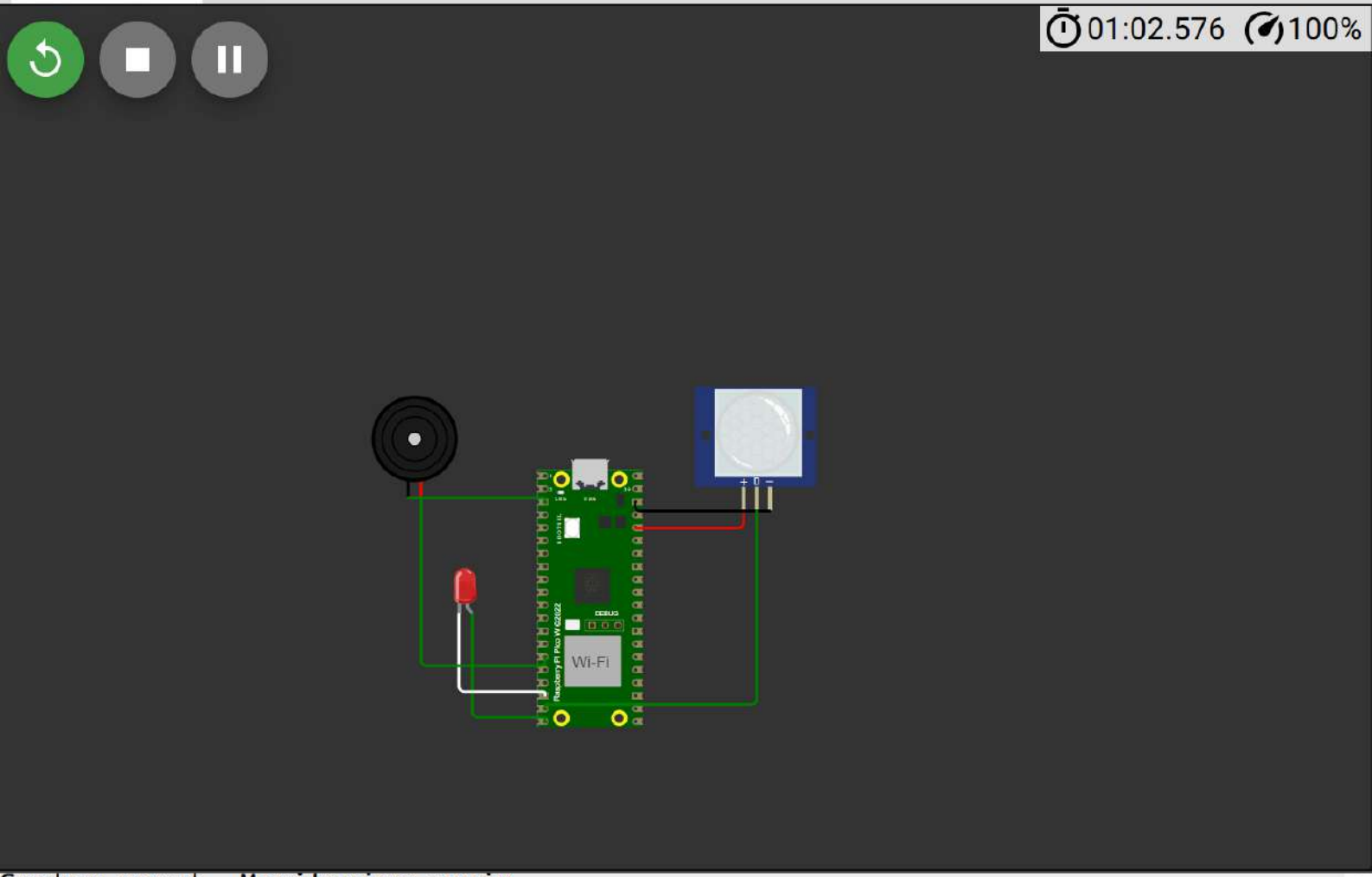
Simulation




```
System reset. Monitoring again...
ALERT: Motion detected!
System reset. Monitoring again...
ALERT: Motion detected!
System reset. Monitoring again...
ALERT: Motion detected!
System reset. Monitoring again...
```

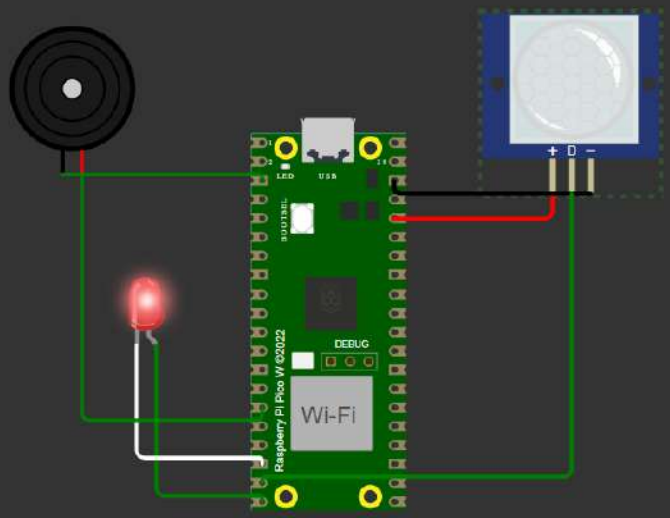
Docs R

Simulation

01:57.497 100%

PIR Motion Sensor

Simulate motion




```
ALERT: Motion detected!
System reset. Monitoring again...
ALERT: Motion detected!
System reset. Monitoring again...
ALERT: Motion detected!
System reset. Monitoring again...
ALERT: Motion detected!
```

main.c diagram.json

```c
#include <stdio.h>
#include "pico/stdlib.h"


#define LED_PIN 15
#define BUTTON_PIN 14

int main() {
    stdio_init_all();

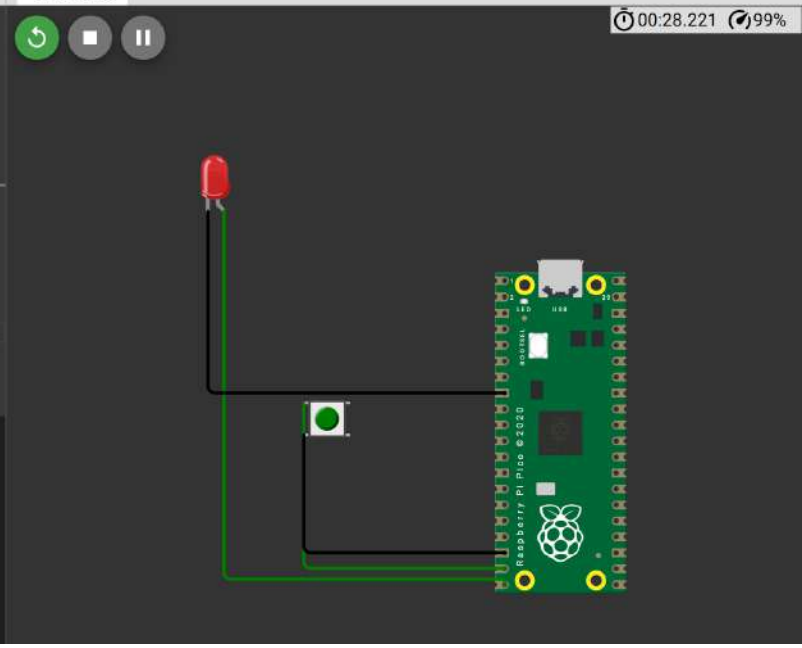
    gpio_init(LED_PIN);
    gpio_set_dir(LED_PIN, GPIO_OUT);

    gpio_init(BUTTON_PIN);
    gpio_set_dir(BUTTON_PIN, GPIO_IN);
    gpio_pull_up(BUTTON_PIN);

    while (true) {
        if (gpio_get(BUTTON_PIN) == 0) {
            gpio_put(LED_PIN, 1); // LED ON when pressed
        } else {
            gpio_put(LED_PIN, 0); // LED OFF when released
        }
        sleep_ms(10); // small delay
    }
}

```

Simulation



main.c diagram.json

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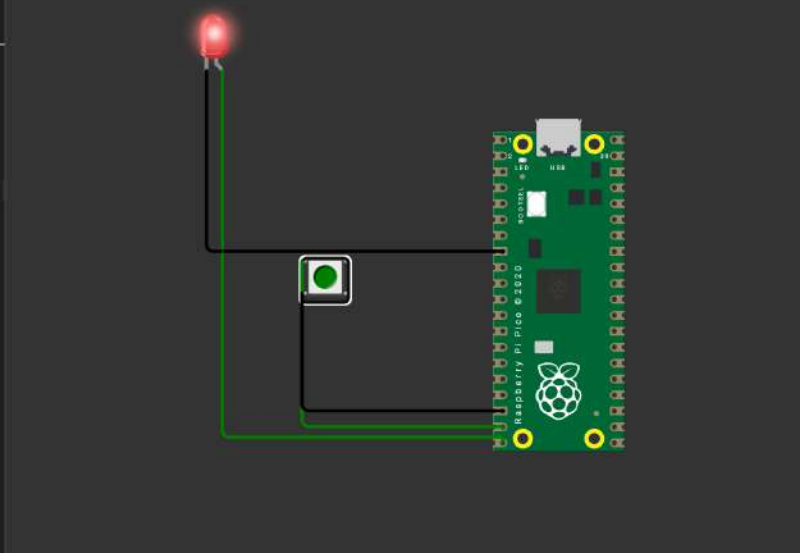
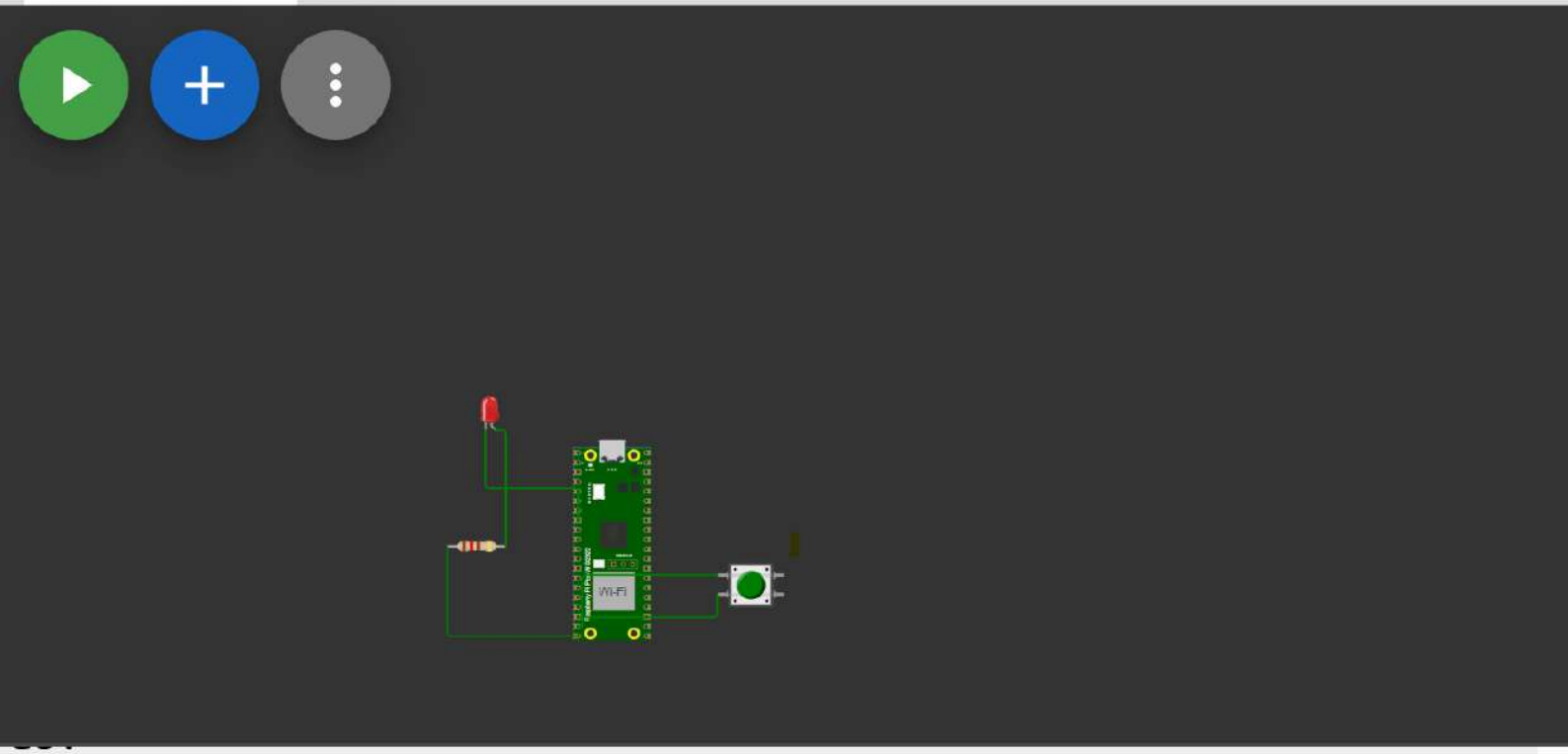
```

Simulation



Simulation

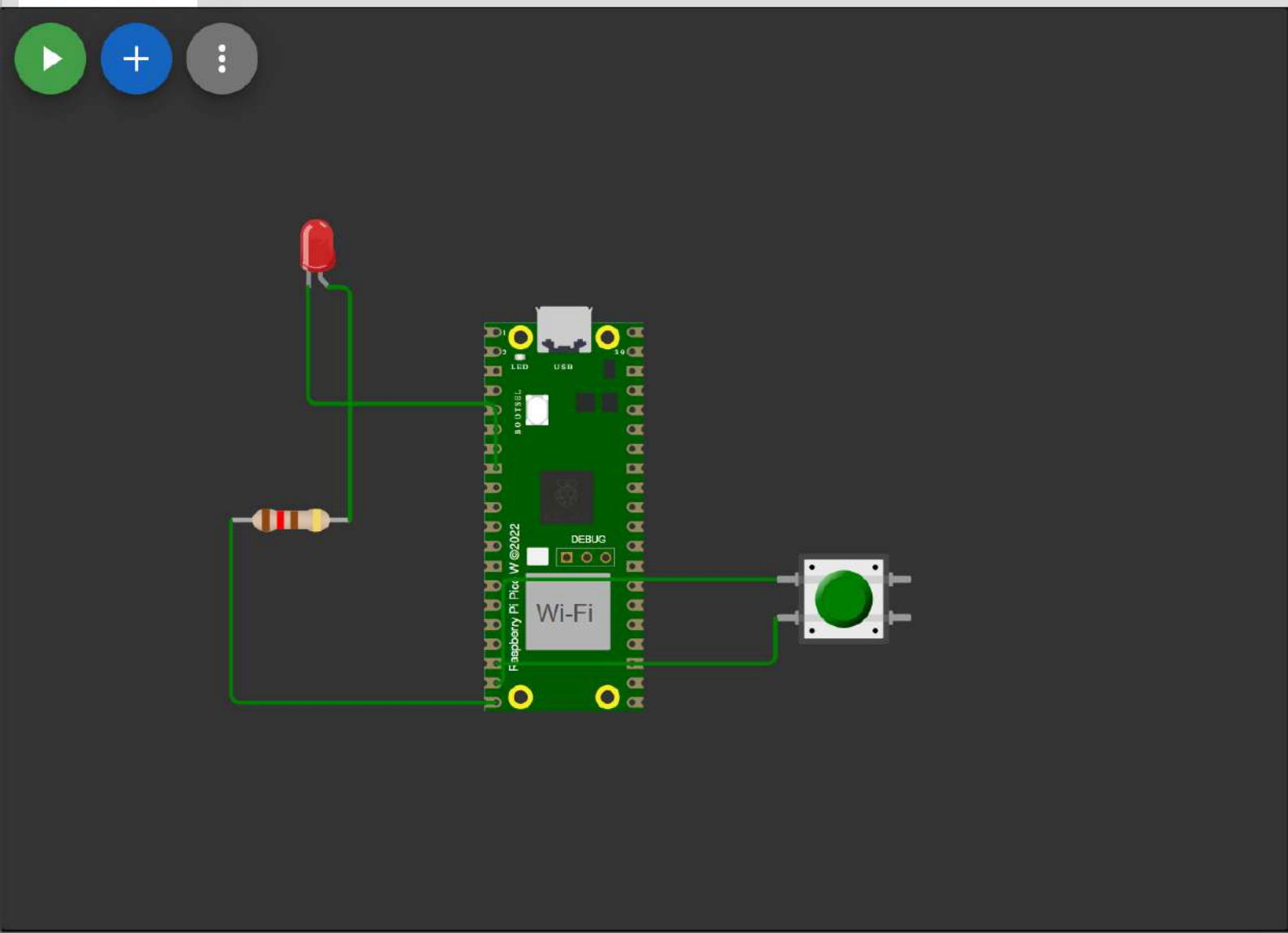


```
Your reaction time: 610 ms

Get ready...
Wait for the LED to turn off!
GO!
Your reaction time: 189 ms

Get ready...
```

Simulation

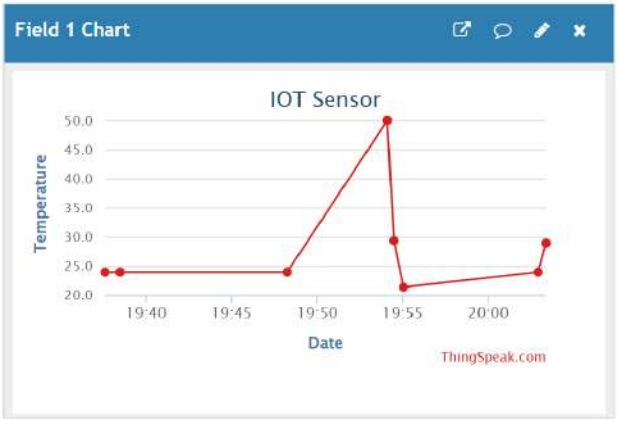



```
Get ready...
Wait for the LED to turn off!
GO!
Your reaction time: 610 ms
```

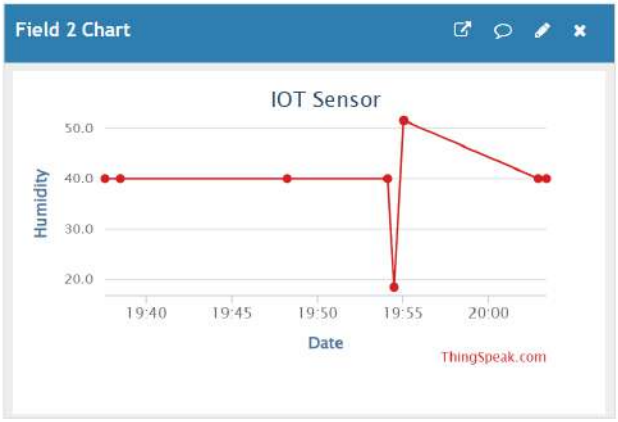
Channel Stats

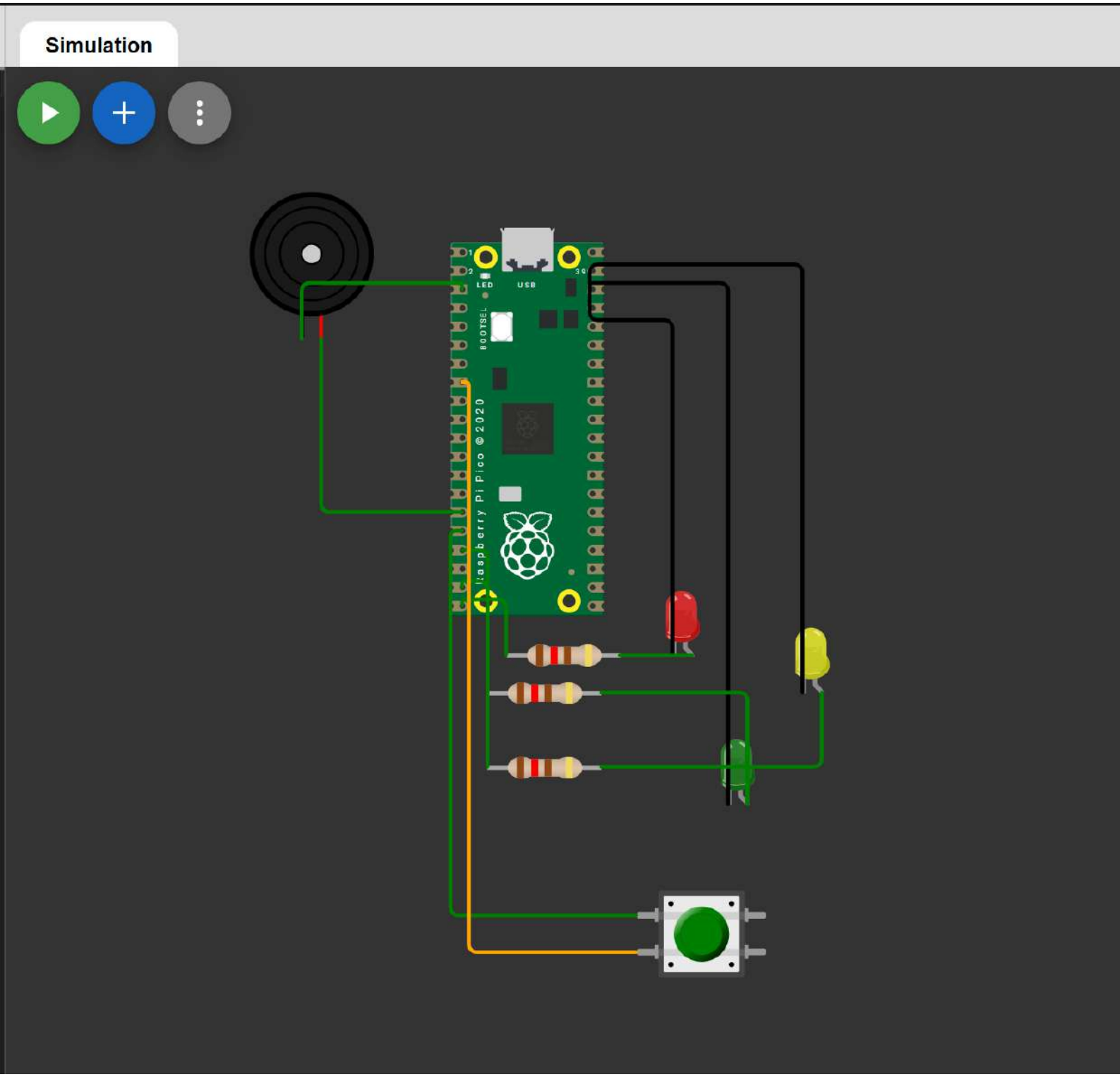
Created: 29 minutes ago
Last entry: less than a minute ago
Entries: 8

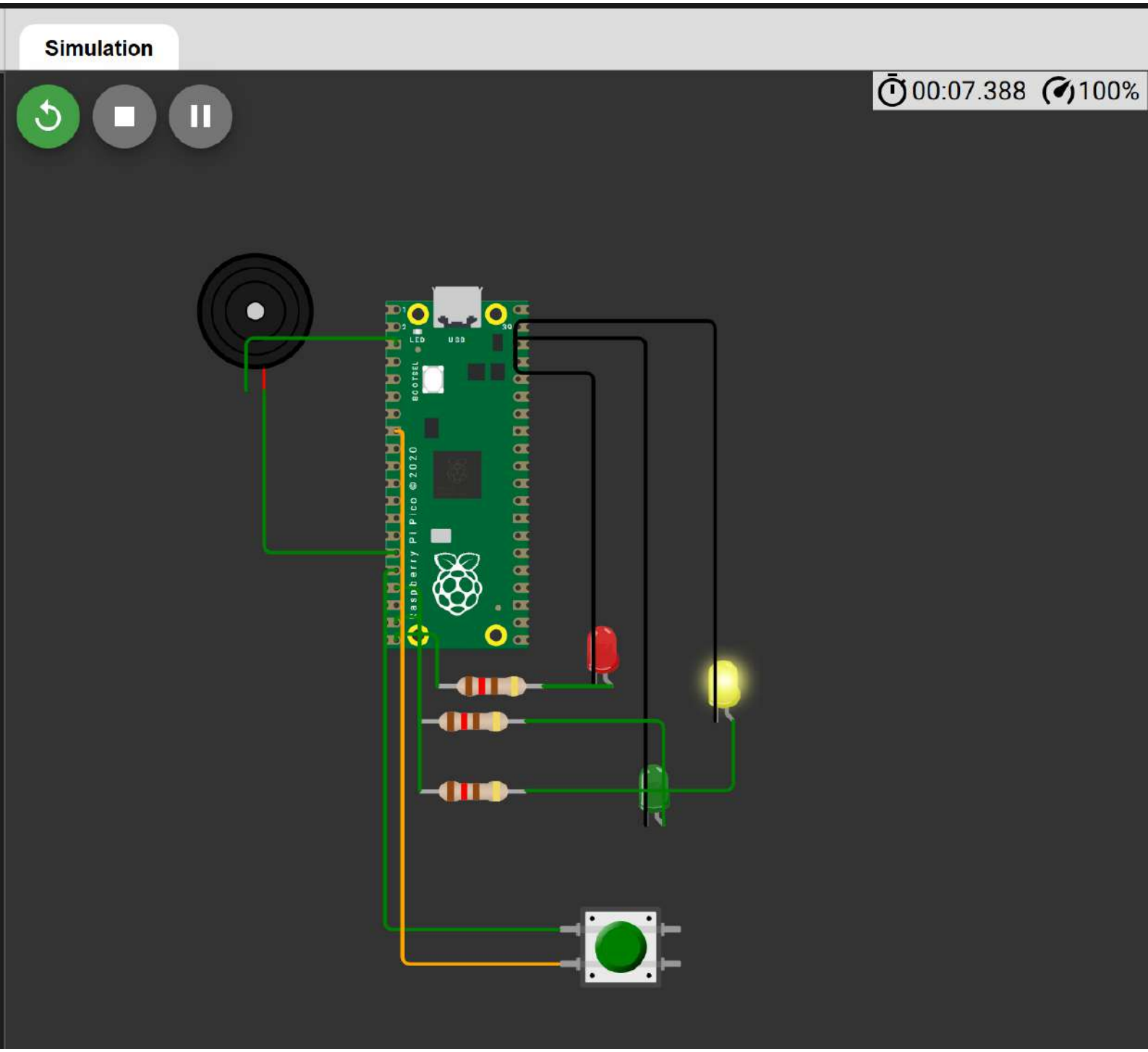
Field 1 Chart



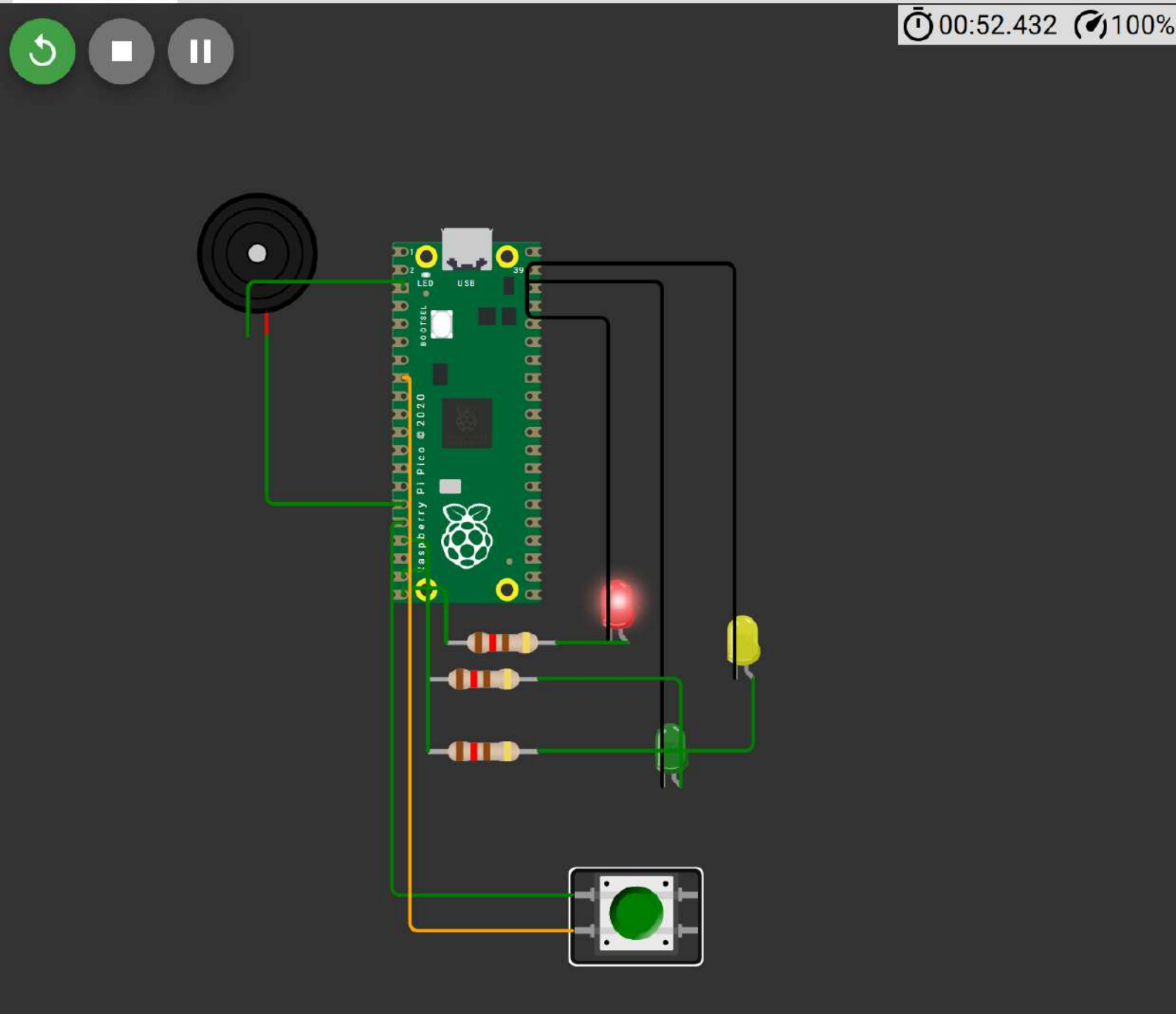
Field 2 Chart

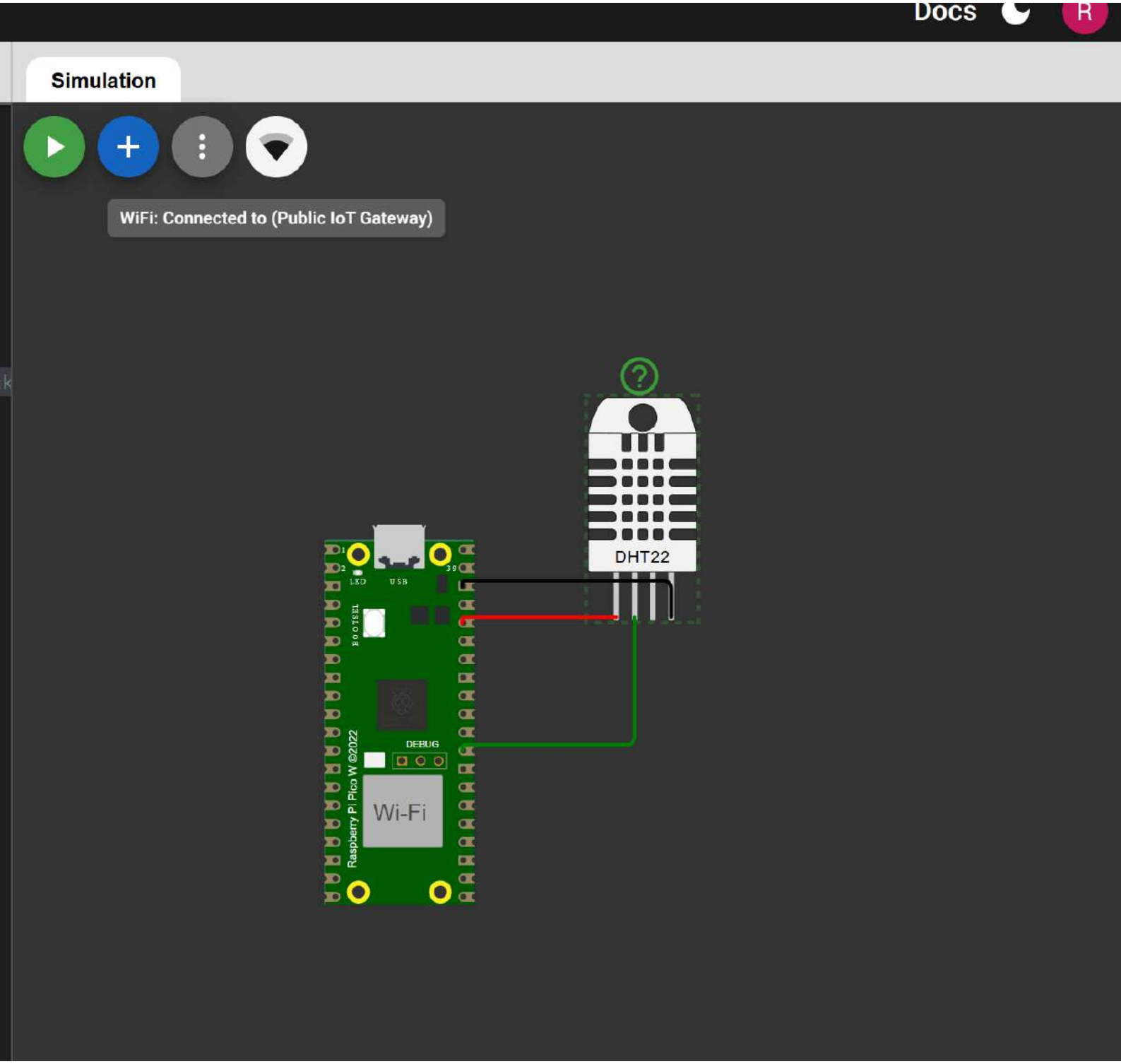



Simulation
LED
USB
BOOTSEL
Raspberry Pi Pico © 2020


Simulation
00:07.388
100%
LED
USB
BOOTSEL
Raspberry Pi Pico ©2020

Simulation

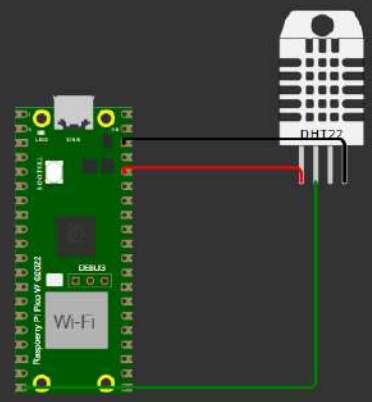



Docs
R
Simulation
WiFi: Connected to (Public IoT Gateway)
DHT22
LED
USB
BOOTSEL
DEBUG
Wi-Fi
Raspberry Pi Pico W ©2022

Docs

Simulation

00:06.322 99%




```
Weather Station (Simulated DHT22)
Temperature: 25.1 °C | Humidity: 50.2 %
Temperature: 25.2 °C | Humidity: 50.4 %
Temperature: 25.3 °C | Humidity: 50.6 %
Temperature: 25.4 °C | Humidity: 50.8 %
```