Sistemas Embarcados

Prática 4

Nome: Gabriel Silva Meneghin Matrícula: 201622060474

Procedimento:

1 e 2) Saída do terminal

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    JUPYTER

I (0) cpu_start: Starting scheduler on APP CPU.
1. LEDC fade up to duty = 4000
2. LEDC fade down to duty = 0
3. LEDC set duty = 4000 without fade
4. LEDC set duty = 0 without fade
1. LEDC fade up to duty = 4000
2. LEDC fade down to duty = 0
3. LEDC set duty = 4000 without fade
4. LEDC set duty = 0 without fade
1. LEDC fade up to duty = 4000
2. LEDC fade down to duty = 0
3. LEDC set duty = 4000 without fade
4. LEDC set duty = 0 without fade
1. LEDC fade up to duty = 4000
2. LEDC fade down to duty = 0
3. LEDC set duty = 4000 without fade
4. LEDC set duty = 0 without fade
1. LEDC fade up to duty = 4000
2. LEDC fade down to duty = 0
3. LEDC set duty = 4000 without fade
4. LEDC set duty = 0 without fade
1. LEDC fade up to duty = 4000
2. LEDC fade down to duty = 0
3. LEDC set duty = 4000 without fade
4. LEDC set duty = 0 without fade
1. LEDC fade up to duty = 4000
2. LEDC fade down to duty = 0
```

Os LEDs funcionam com um “fade up” até o valor de 4000 (aproximadamente 50% de duty cycle) -> depois temos um “fade down” até um duty cycle de 0 -> o duty cycle é fixado em 4000 sem fade -> o duty cycle é fixado em 0 sem fade;

Os IOs invertidos são o GPIO 4 e 5;

A frequência do PWM é de 5kHz;