

20210313d

```
0313c.py ✕ 20210313d.py ✕
import rp2

pin_20 = Pin(20, Pin.OUT)
tim = Timer()
lambda1_on_ms = 0

def tick(timer):
    global pin_20
    global lambda1_on_ms
    pin_20.value(1)
    sleep_ms(lambda1_on_ms)
    pin_20.value(0)

#tim.init(freq=10.1, mode=Timer.PERIODIC, callback=tick)
#sleep(5)
#tim.init(freq=20.2, mode=Timer.PERIODIC, callback=tick)
#sleep(10)

# freq 0.1-10 Hz, duty = 0.1-0.9
def lambda1(freq1, duty):
    global lambda1_on_ms
    lambda1_on_ms = int(1/freq1*duty*1000)
    #print(lambda1_on_ms)
    tim.init(freq=freq1, mode=Timer.PERIODIC, callback=tick)

lambda1(10.2,0.5)
sleep(2)
lambda1(5.2,0.123)
#lambda1(10.2,0.5)
sleep(7)
```



