import time

import machine

def wait\_pin\_change(pin):

cur\_value = pin.value()

active=0

while active<20:

if pin.value() == cur\_value:

active+=1

else:

active=0

time.sleep\_ms(1)

state=0

def risingcb(p):

wait\_pin\_change(p)

global state

state = 1

def fallingcb(p):

wait\_pin\_change(p)

global state

state = 0

from machine import Pin,ADC,PWM

p12 = Pin(12, Pin.IN)

p14 = Pin(14,Pin.IN)

adc=machine.ADC(0)

p12.irq(trigger=Pin.IRQ\_FALLING, handler=fallingcb)

p14.irq(trigger=Pin.IRQ\_RISING, handler = risingcb)

pwm5 = PWM(Pin(5) , freq=1000, duty=512)

pwm5.deinit()

pwm15 = PWM(Pin(15) , freq=1000, duty=512)

pwm15.deinit()

while 1:

time.sleep\_ms(200)

if state==0:

pwm5.deinit()

pwm15.deinit()

else:

pwm5 = PWM(Pin(5), freq=1000, duty = adc.read())

pwm15 = PWM(Pin(15), freq= 1000, duty = adc.read())

print(state)