

```

# -*- coding: utf-8 -*-

import RPi.GPIO as GPIO
import time

GPIO.setmode(GPIO.BCM)

rot =0; gelb =1; gruen =2; blau =3; taster = 4
Ampel=[4,18,23,24,25]
GPIO.setup(Ampel[rot], GPIO.OUT, initial=False)
GPIO.setup(Ampel[gelb], GPIO.OUT, initial=False)
GPIO.setup(Ampel[gruen], GPIO.OUT, initial=True)
GPIO.setup(Ampel[blau], GPIO.OUT, initial=False)
GPIO.setup(Ampel[taster], GPIO.IN)

print ("Druk de toets in, om het voetgangerslicht in te schakelen, Ctrl+C beëindigt het programma")
try:
    while True:
        if GPIO.input(Ampel[taster])==True:
            GPIO.output(Ampel[gruen],False)
            GPIO.output(Ampel[gelb],True)
            time.sleep(0.6)
            GPIO.output(Ampel[gelb],False)
            GPIO.output(Ampel[rot], True)
            time.sleep(0.6)
            for i in range(10):
                GPIO.output(Ampel[blau],True); time.sleep(0.05)
                GPIO.output(Ampel[blau],False); time.sleep(0.05)
            time.sleep(0.6)
            GPIO.output(Ampel[gelb],True)
            time.sleep(0.6)
            GPIO.output(Ampel[rot],False); GPIO.output(Ampel[gelb],False)
            GPIO.output(Ampel[gruen],True); time.sleep(2)
except KeyboardInterrupt:
    GPIO.cleanup()

```