import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

GPIO.setwarnings(False)

leds = [24, 22, 23, 27, 17, 25, 12, 16]

GPIO.setup(leds, GPIO.OUT)

GPIO.output(leds, 0)

light\_time = 0.2

num = 0

def dec2bin(value):

return [int(element) for element in bin(value)[2:].zfill(8)]

up = 9

down = 10

GPIO.setup(up, GPIO.IN)

GPIO.setup(down, GPIO.IN)

while True:

if GPIO.input(up):

num = num + 1

elif GPIO.input(down):

num = num - 1

dec = dec2bin(num)

for i in range(8):

if dec[i]:

GPIO.output(leds[i], 1)

else:

GPIO.output(leds[i], 0)

time.sleep(light\_time)