

```

import re

show_output = """RTB# show ip route
Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS
inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

    2.0.0.0/24 is subnetted, 1 subnets
C       2.2.2.0 is directly connected, Ethernet0/0
C       3.0.0.0/8 is directly connected, Serial1/0
O N2 200.1.1.0/24 [110/94] via 2.2.2.1, 00:11:12, Ethernet0/0
O N1 200.2.2.0/24 [110/20] via 2.2.2.2, 00:12:23, Ethernet0/0
    131.108.0.0/24 is subnetted, 2 subnets
O IA   141.108.1.0 [110/84] via 2.2.2.1, 00:12:11, Ethernet0/0
O IA   151.108.1.0 [110/84] via 2.2.2.1, 00:12:11, Ethernet0/0
O       131.108.2.0 [110/74] via 2.2.2.2, 00:12:23, Ethernet0/0
O IA   131.108.1.0 [110/84] via 2.2.2.2, 00:12:11, Ethernet0/0"""

def ospf_check_route_present(route_type, network, gateway):
    global show_output
    network_list = []
    gateway_list = []
    reg_ex = r"^%s.* ([0-9]+\.[0-9]+\.[0-9]+\.[0-9]+).* ([0-9]+\.[0-9]+\.[0-9]+\.[0-9]+)" % route_type
    for lines in show_output.split('\n') :
        match=re.search(reg_ex, lines)
        if match :
            print("Got Network in: %s" %lines)
            #print match.group(1),match.group(2),match.group(0)
            network_list.append(match.group(1))
            gateway_list.append(match.group(2))
    print("ospf_check_route_present: Got following networks %s"
    %network_list)
    print("ospf_check_route_present: Got following gateway %s"
    %gateway_list)
    for net,gate in zip(network_list,gateway_list):
        if (net == network) and (gate == gateway) :
            return 1

    return 0

print "Calling function now"
#present = ospf_check_route_present("O N2", '151.108.1.0', '2.2.2.1')
#present = ospf_check_route_present("O N1", '151.108.1.0', '2.2.2.1')
present = ospf_check_route_present("O IA", '151.108.1.0', '2.2.2.1')
#present = ospf_check_route_present("O   ", '151.108.1.0', '2.2.2.1')
if present :
    print "Found network and gatewat as IA"
else :
    print "Not found"

```