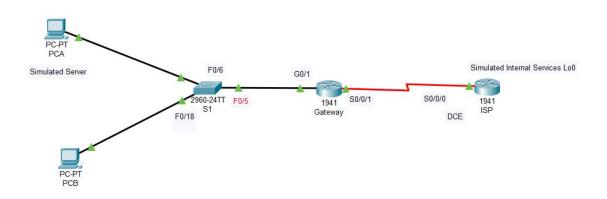
DCCN ISE- NAT TASK 1

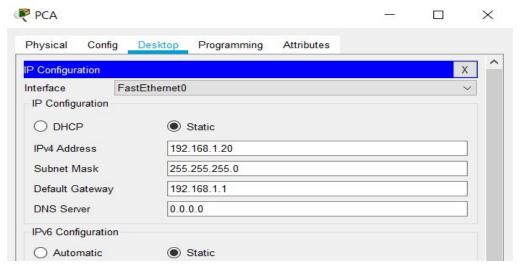
Name: Neha Kale(2018130018) Shivangi Kochrekar(2018130020) Rishita Mote(2018130029) Batch B (TE COMPS)

TASK 1: To set up the topology and verify end to end configuration.

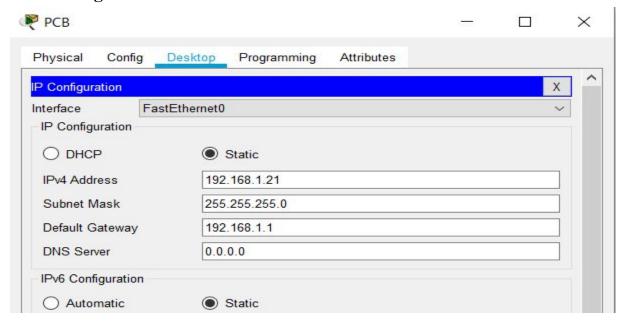
Complete Network:



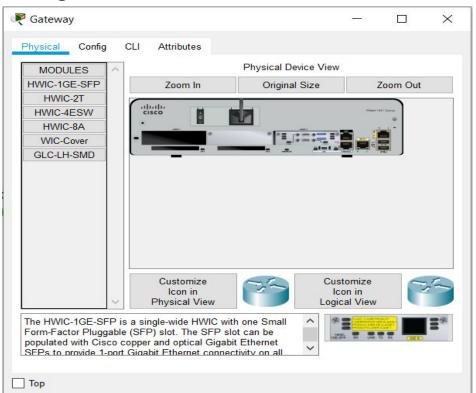
PC-A Configuration:



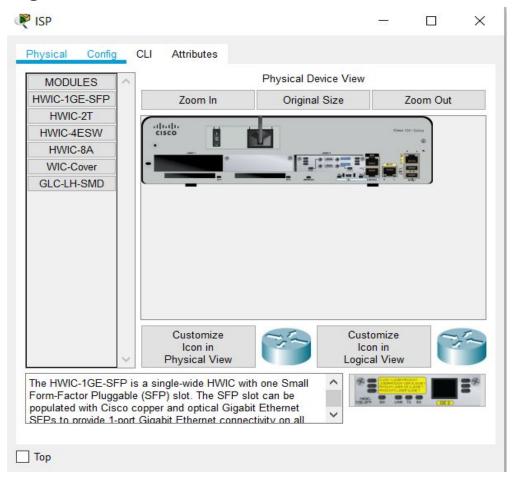
PC-B Configuration:



Gateway configuration:

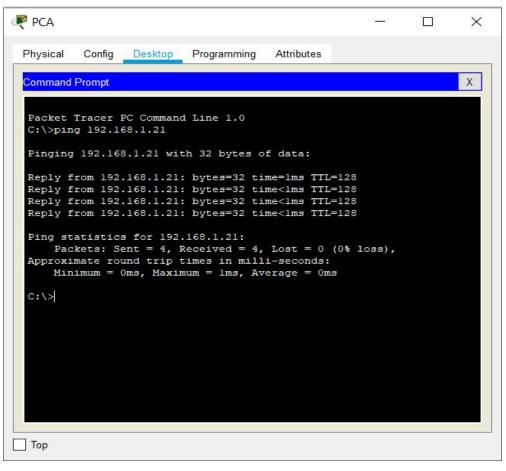


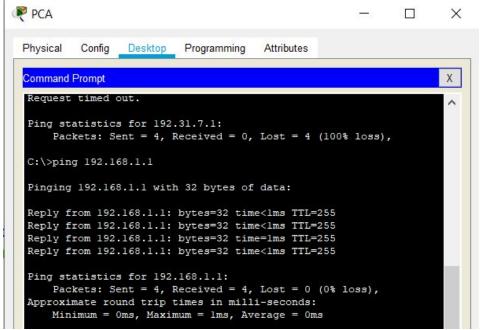
ISP configuration:



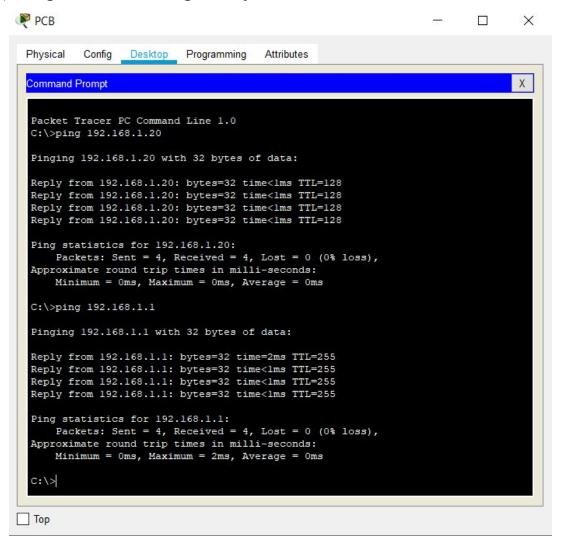
Verify Connectivity:

a) Ping from PC-A to gateway G0/1 and PC-B:





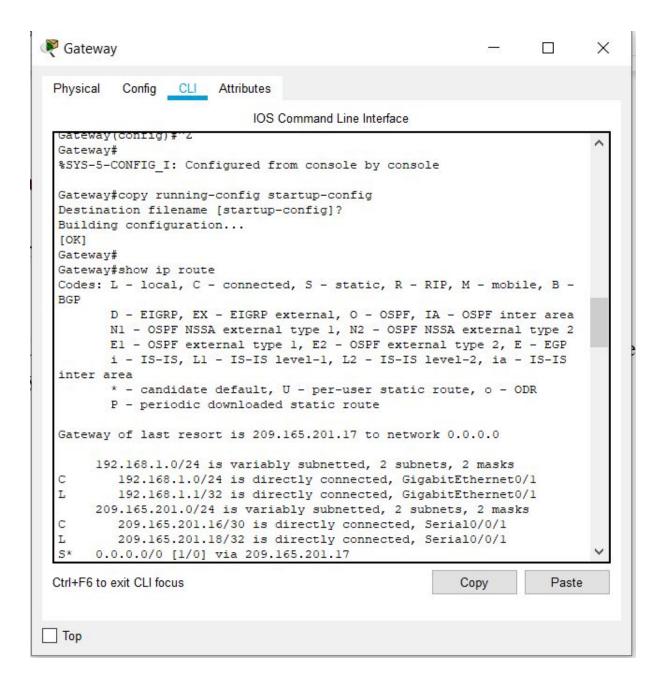
b) Ping from PC-B to gateway G0/1 and PC-A:



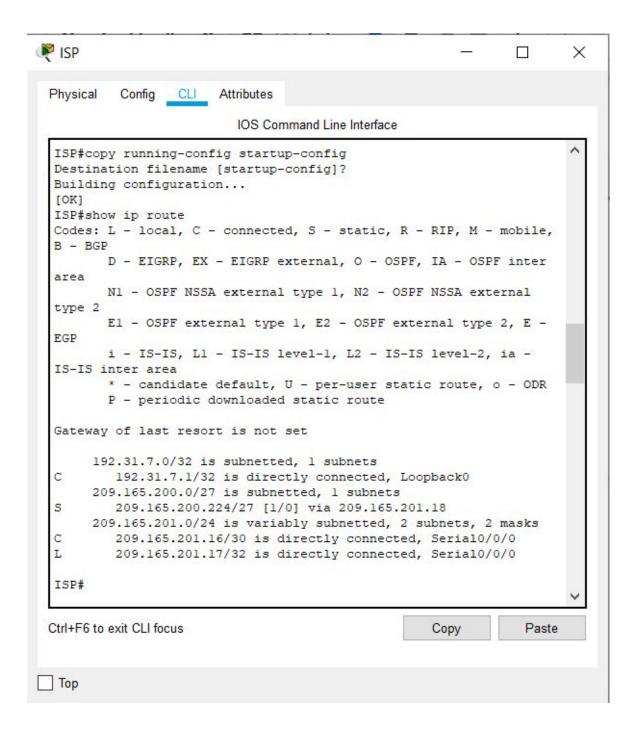
All the pings are successfully completed.

Routing tables on both routers to verify static route in routing table:

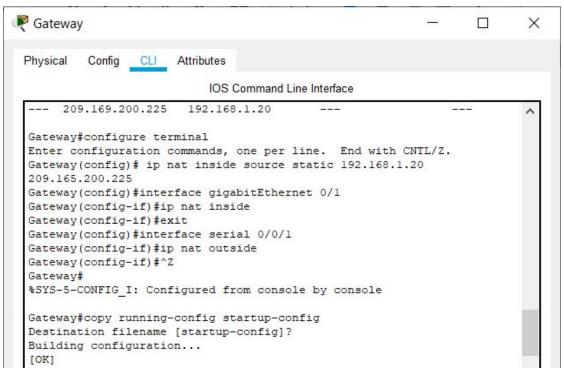
Gateway routing table:



ISP routing table:

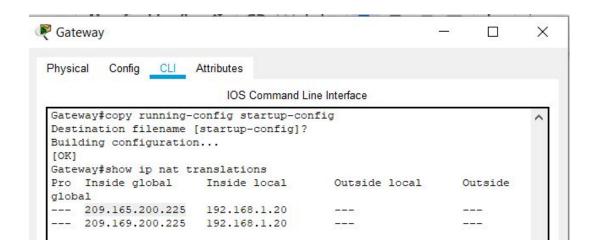


Task 2:
Step 1: Configure a static mapping and specify the interfaces.

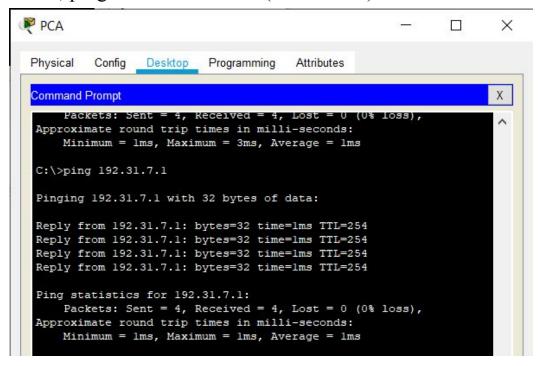


Step 3: Test the configuration.

What is the configuration of the inside local host address? $192.168.1.20 \rightarrow 209.165.200.225$

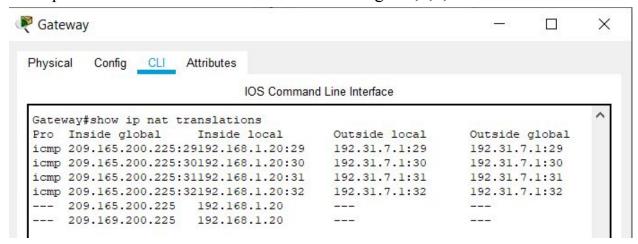


From PC-A, ping the Lo0 interface (172.31.7.1) on ISP:



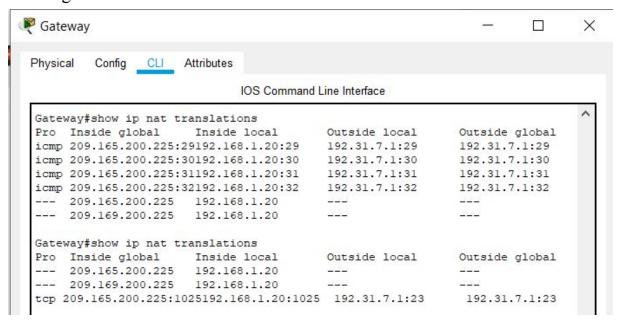
A NAT entry was added to the table with ICMP listed as the protocol when PC-A sent an ICMP request (ping) to 192.31.7.1 on ISP.

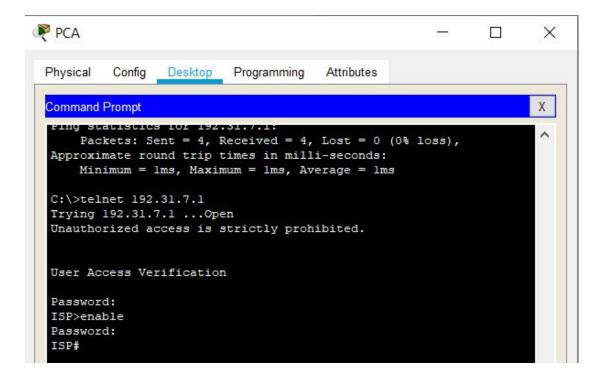
What port number was used in this ICMP exchange? 5,6,7,8



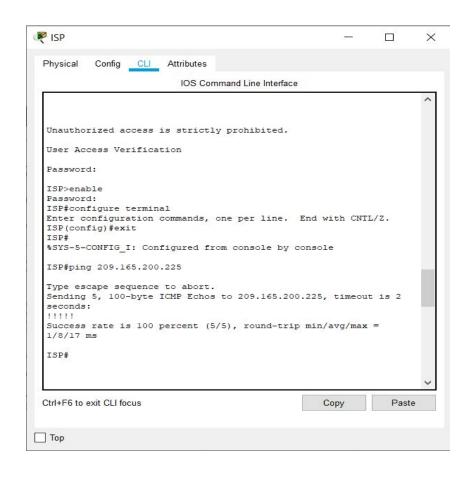
C] From PC-A, telnet to the ISP Lo0 interface and display the NAT table. What was the protocol used in this translation? tep What are the port numbers used?

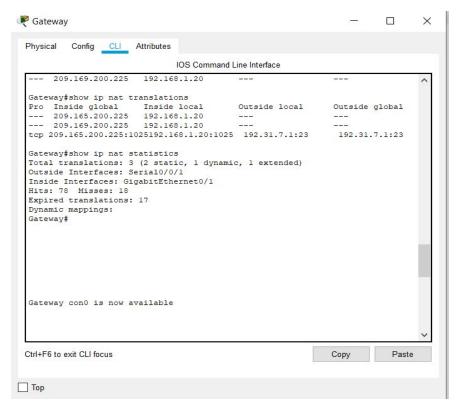
Inside global / local: 1026 Outside global / local:23





Because static NAT was configured for PC-A, verify that pinging from ISP to PC-A





CONCLUSION: We successfully created topology and verified the end to end connectivity in CISCO Packet Tracer.