DCCN ISE- NAT

Name:

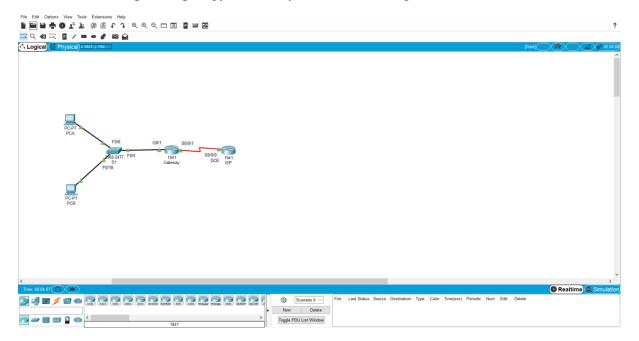
Siddhi Lahange 2019230066

Prachi Mehta 2018130025

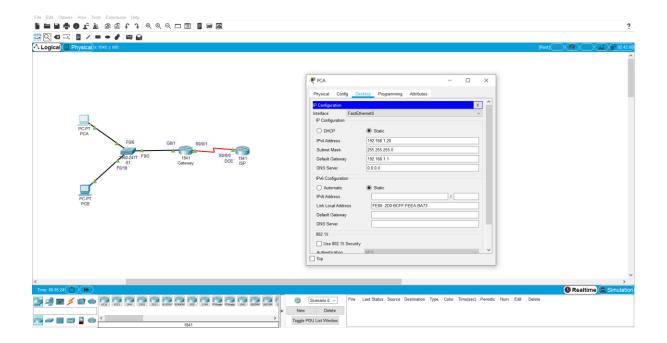
Prashansa Nalawade 201923006

Batch B (TE COMPS)

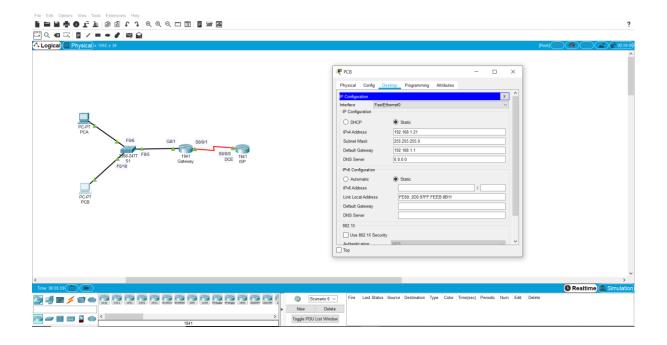
TASK 1: To set up the topology and verify end to end configuration.

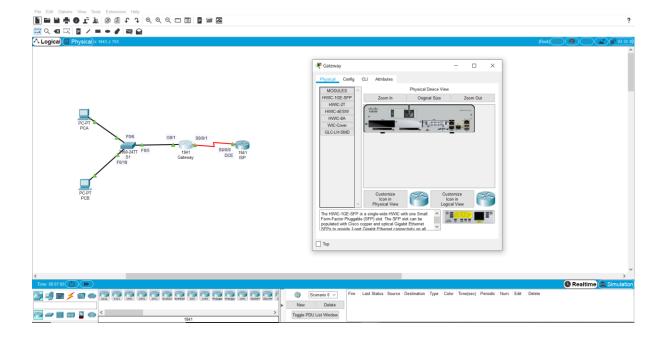


PC-A Configuration:

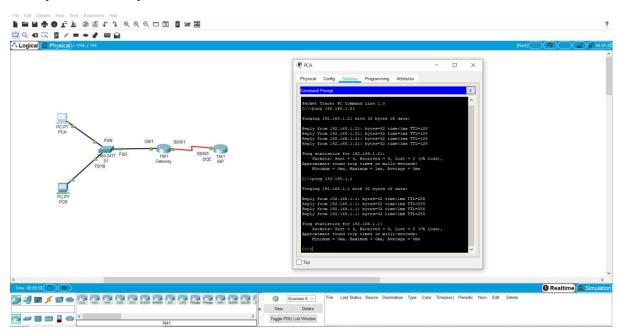


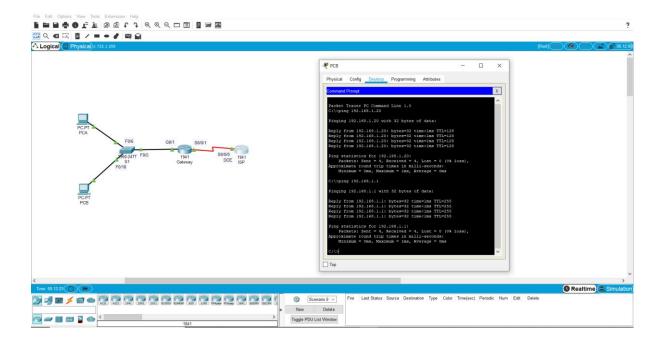
PC-B Configuration





Verify Connectivity:

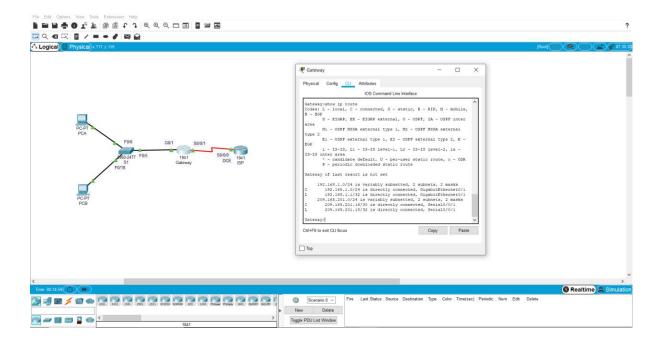


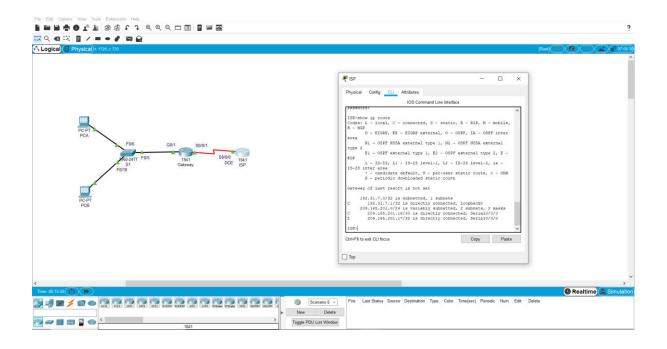


All the pings are successfully completed.

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

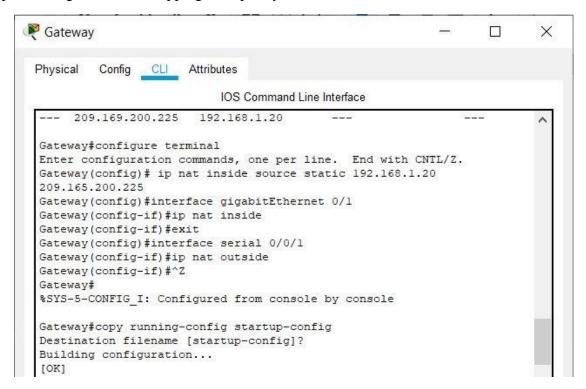
table:





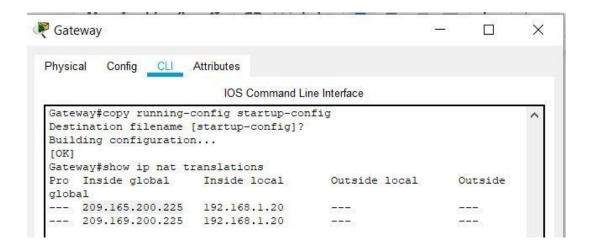
TASK 2:

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

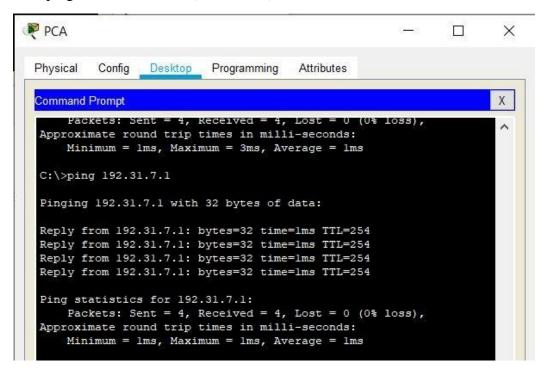


Step 3: Test the configuration.

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

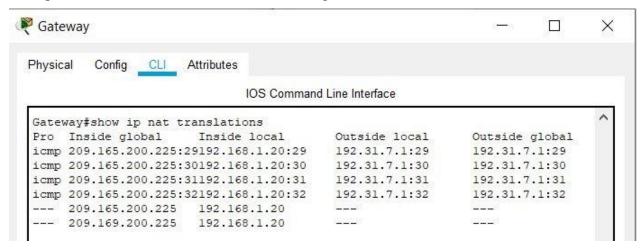


From PC-A, ping the Lo0 interface (172.31.7.1) on ISP:



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.

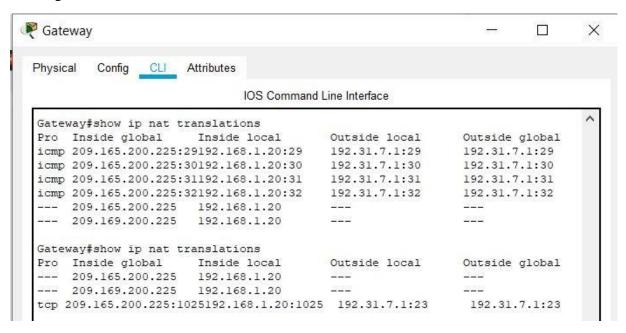
What port number was used in this ICMP exchange? 5,6,7,8

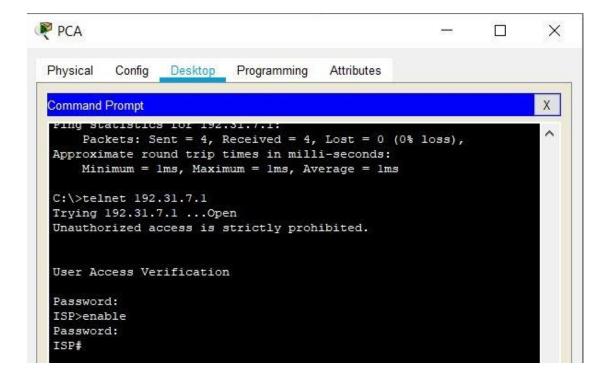


C] From PC-A, telnet to the ISP Lo0 interface and display the NAT table. What was the protocol used in this translation? tcp

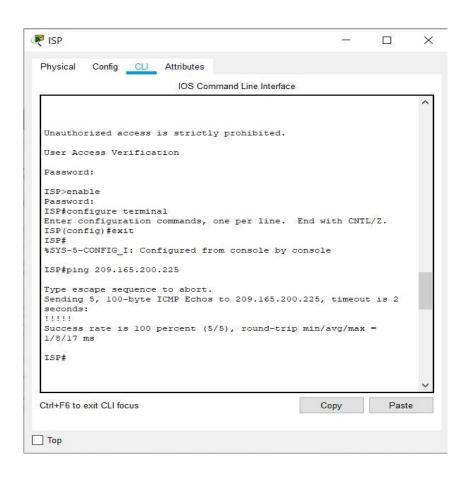
What are the port numbers used?

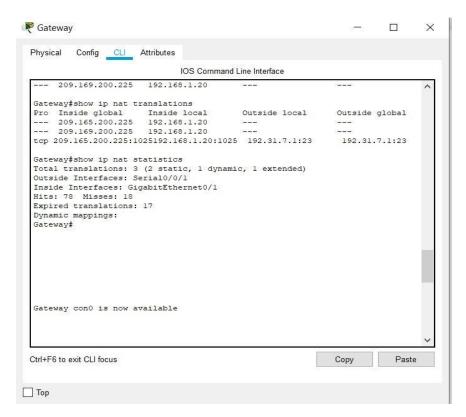
Inside global / local: 1026 Outside global / local:23





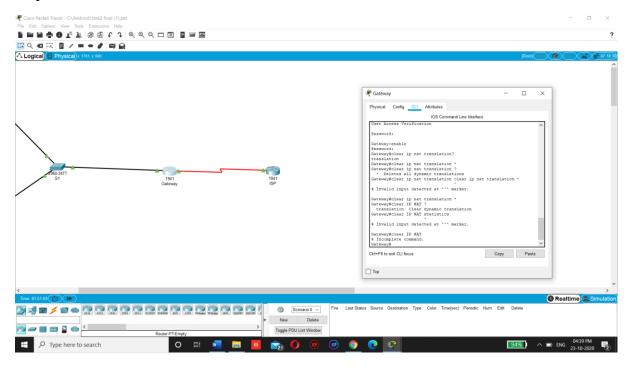
Because static NAT was configured for PC-A, verify that pinging from ISP to PC-A



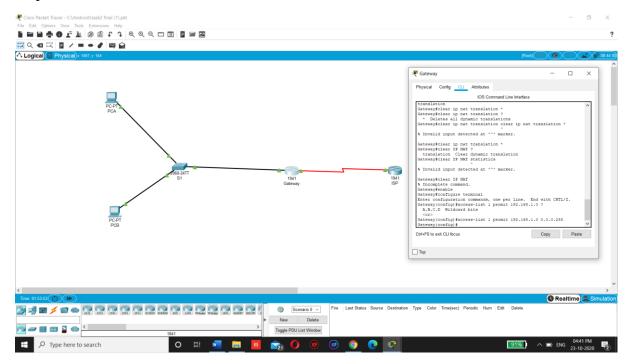


TASK 3:

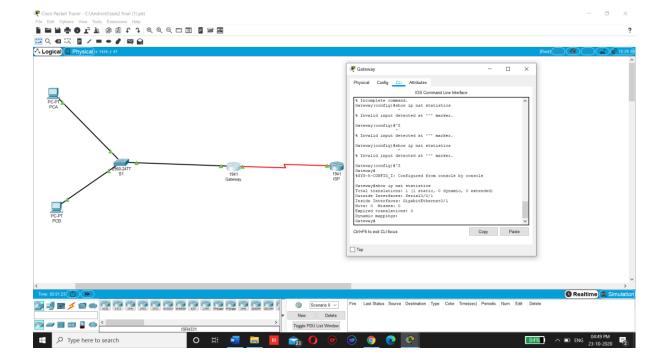
Step 1: Clear NATs



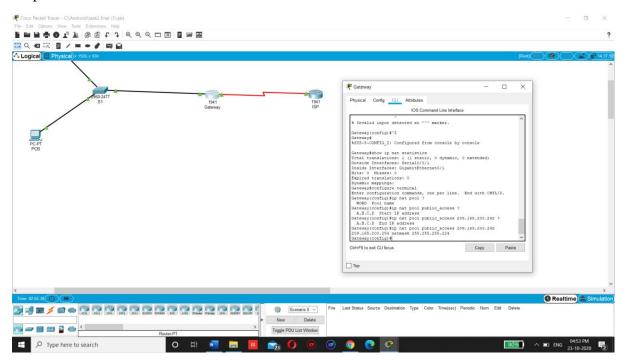
Step 2:



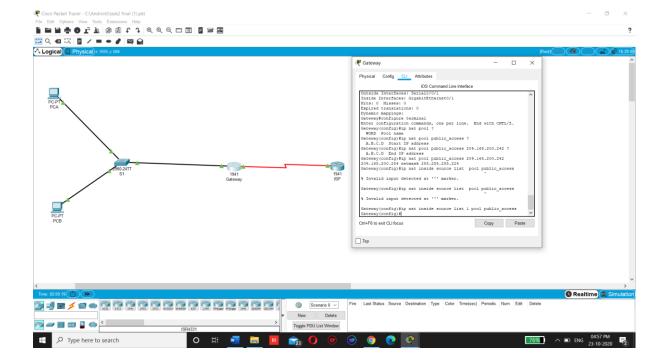
Step 3:



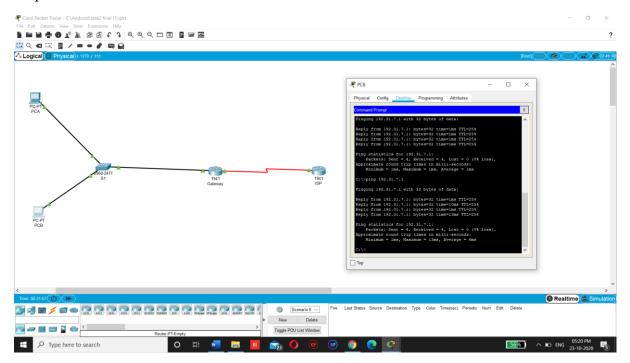
Step 4:

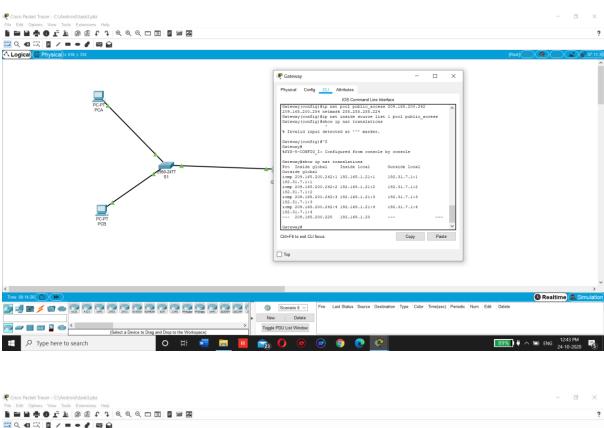


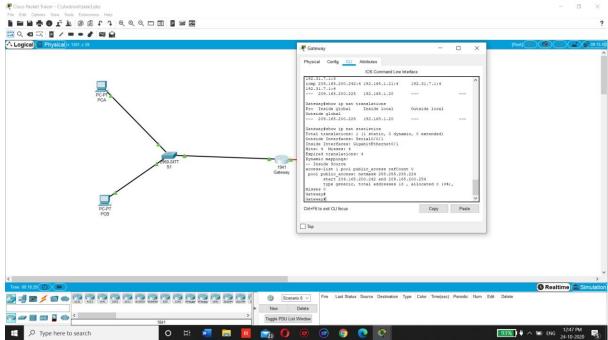
Step 5:



Step 6:

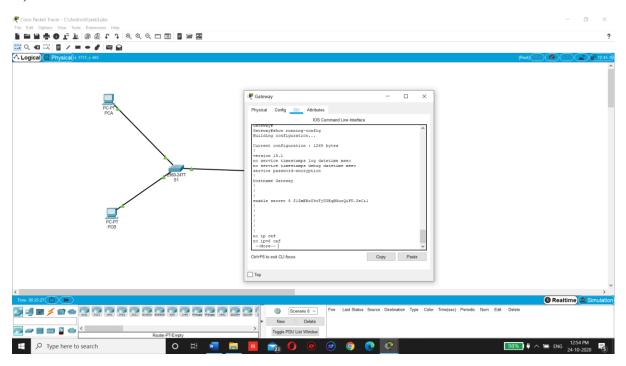




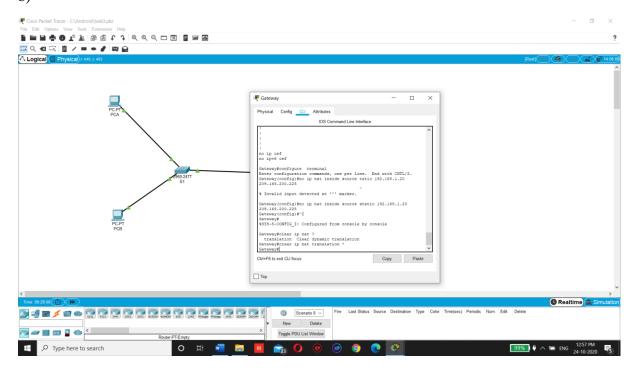


Step 7

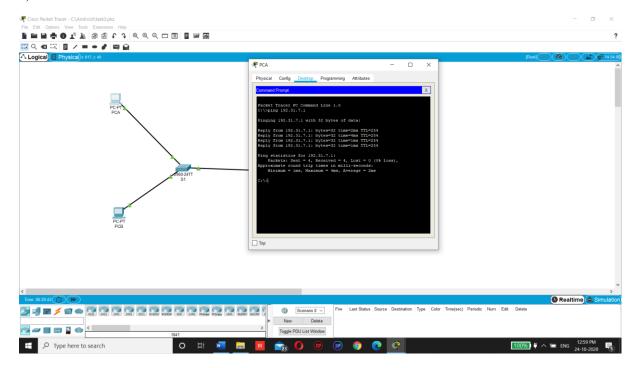
A)



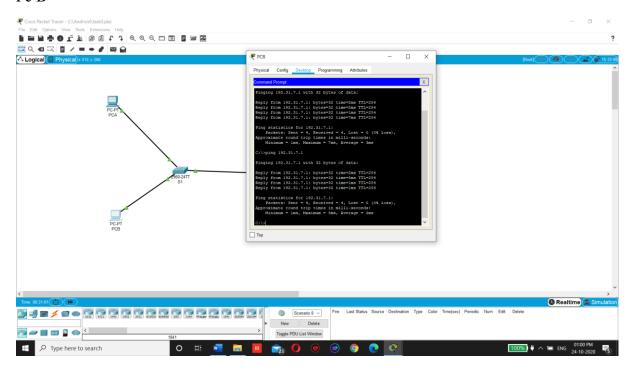
b)

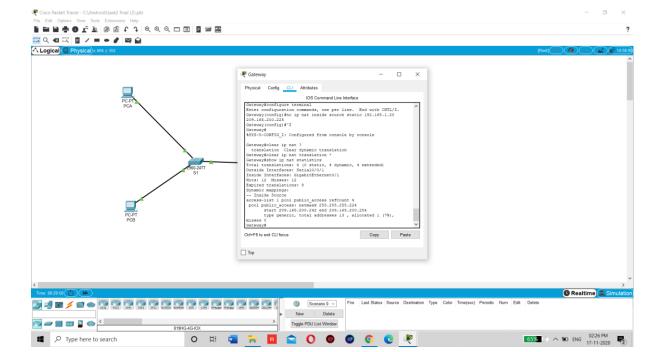


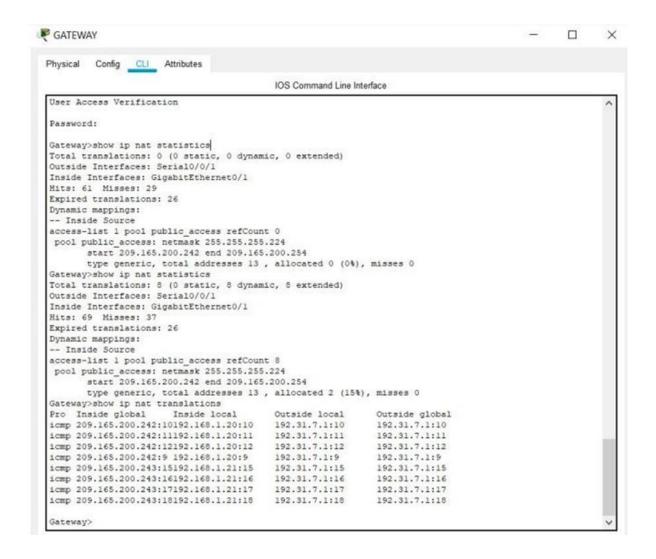
c)Pc A



Pc B







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