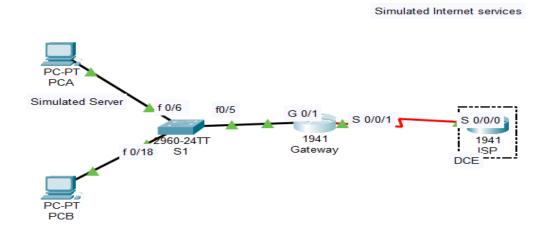
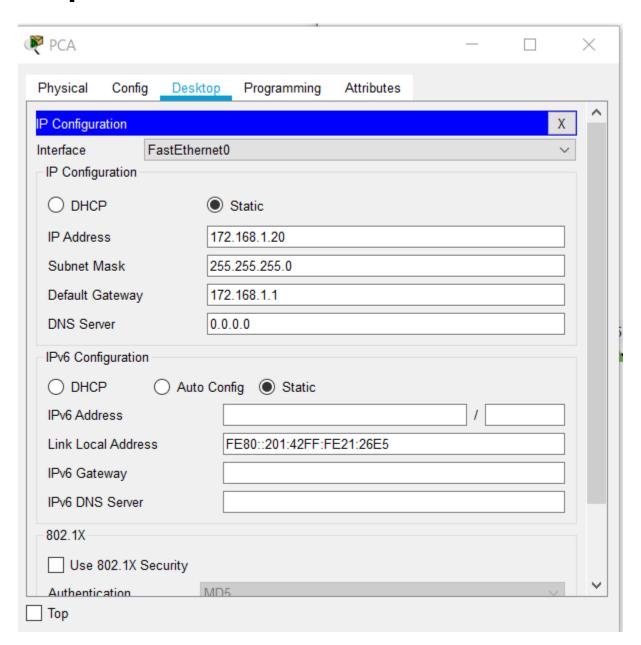
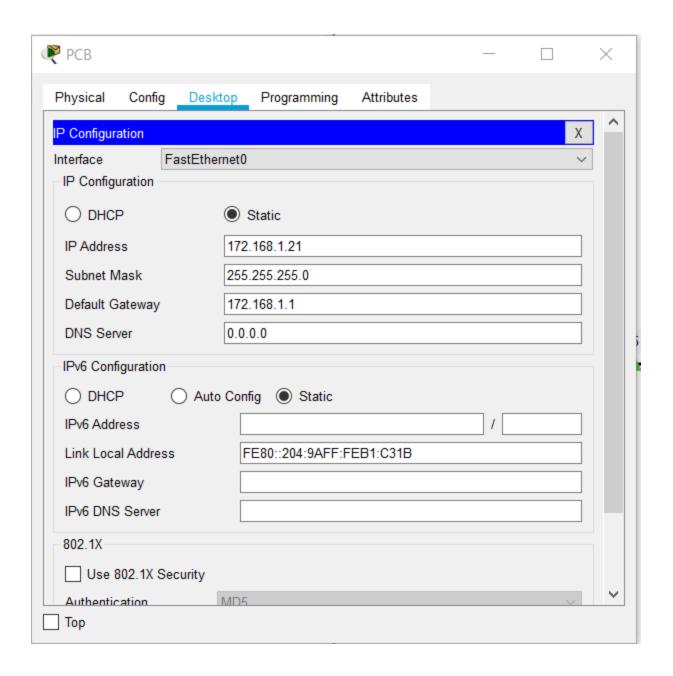
ISE 2 Lab 16/10/2020
Kunal Nalawde 2018130031 Task 1
Chirag Rana 2018130043 Task 2
Prerak Parekh 2018130035 Task 3
Task 1
Configurations
Step 1:



# Step 2:

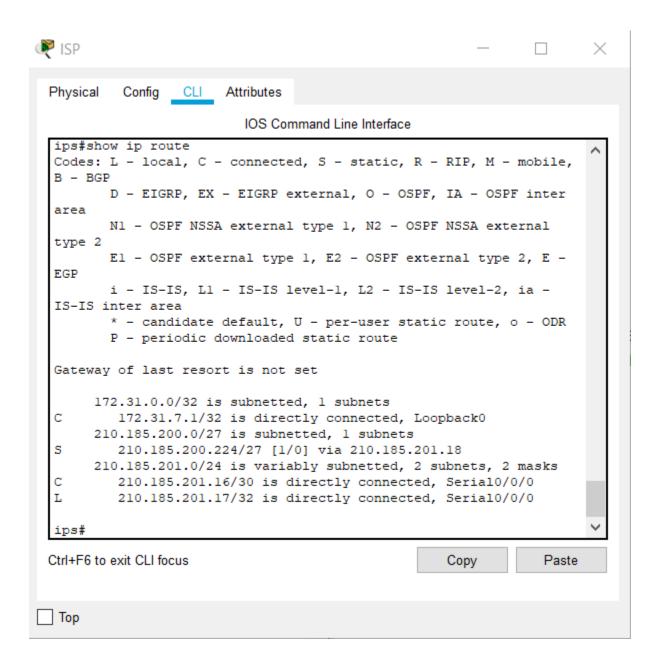


PC-A configurations



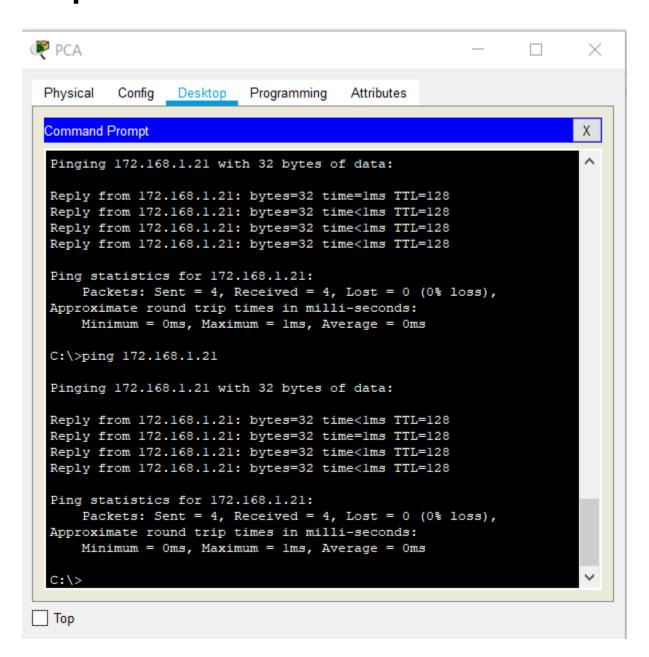
PC-B configurations

#### **Step 3-7:**



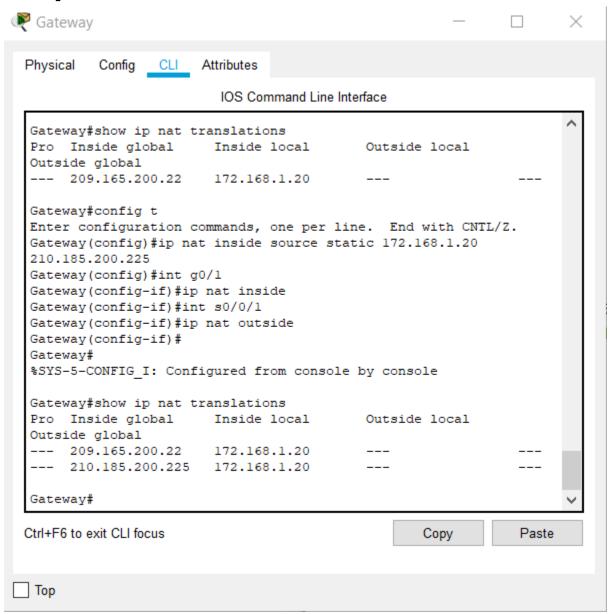
Showing all the routes

#### Step 8:



Pinging from PCA to PCB

# **Task 2 Step 1-3a:**

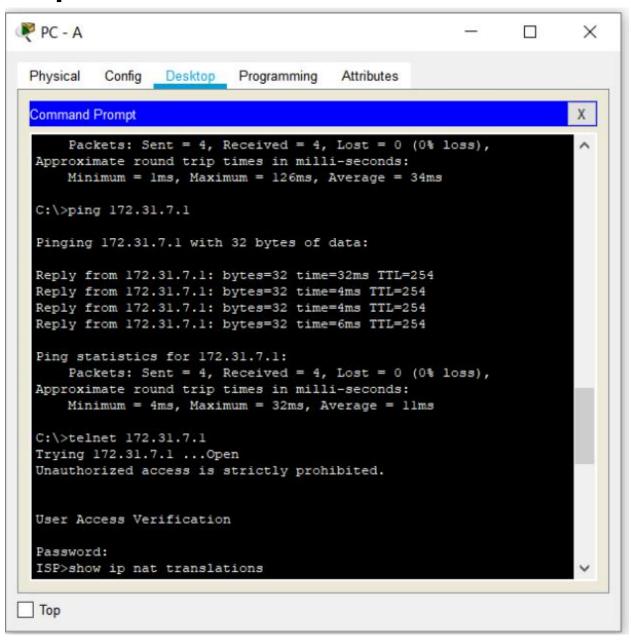


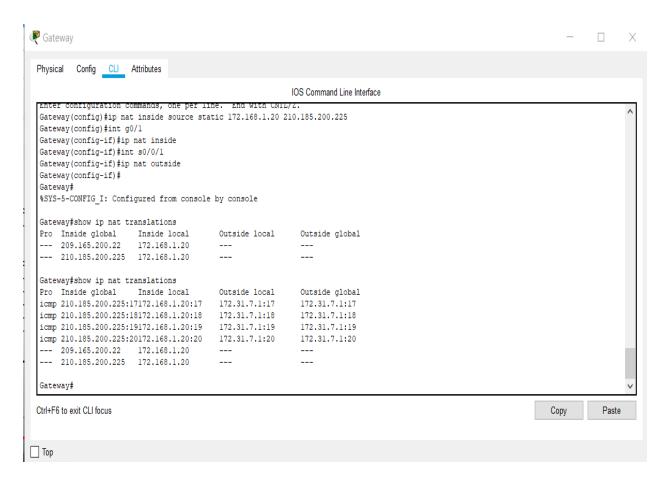
So for 210.185.200.225 = 172.168.1.20

The inside global ip address is assigned by ISP

The inside local ip address is assigned by administrator

#### Step 3b:

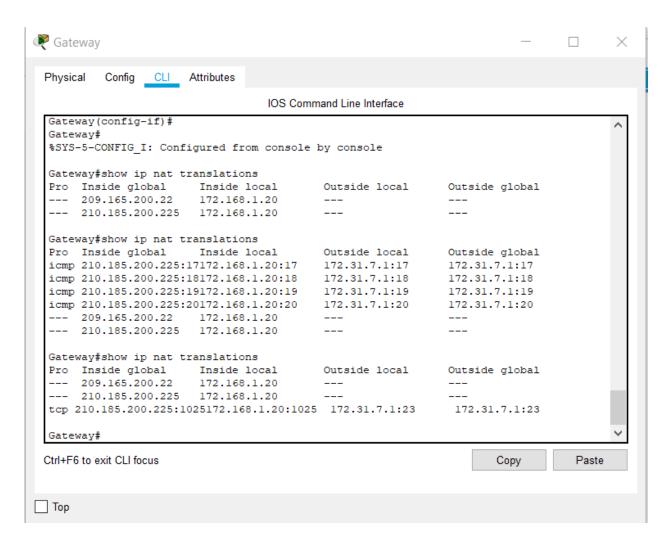




We see that ICMP packet is sent with port numbers 17, 18, 19, 20.

#### Step 3c:

```
PC - A
                                                              X
 Physical
         Config Desktop
                           Programming
                                        Attributes
 Command Prompt
                                                                     X
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
      Minimum = 1ms, Maximum = 126ms, Average = 34ms
  C:\>ping 172.31.7.1
  Pinging 172.31.7.1 with 32 bytes of data:
  Reply from 172.31.7.1: bytes=32 time=32ms TTL=254
  Reply from 172.31.7.1: bytes=32 time=4ms TTL=254
  Reply from 172.31.7.1: bytes=32 time=4ms TTL=254
  Reply from 172.31.7.1: bytes=32 time=6ms TTL=254
  Ping statistics for 172.31.7.1:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
      Minimum = 4ms, Maximum = 32ms, Average = 11ms
  C:\>telnet 172.31.7.1
  Trying 172.31.7.1 ... Open
  Unauthorized access is strictly prohibited.
  User Access Verification
  Password:
  ISP>show ip nat translations
 Top
```



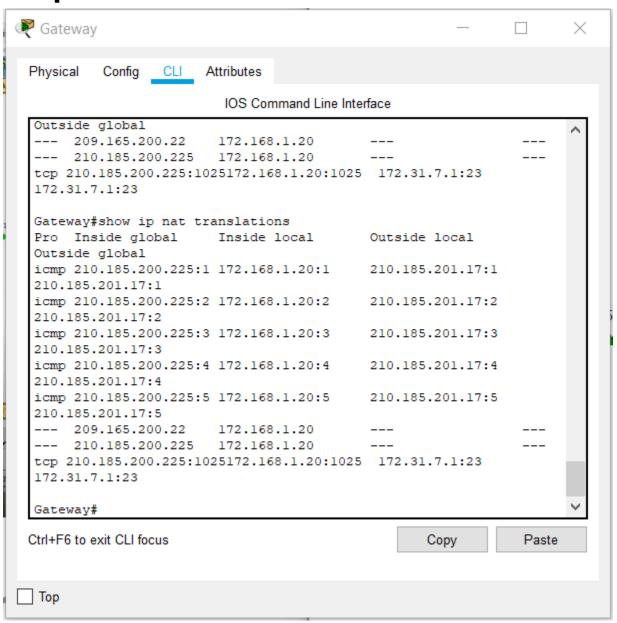
Tcp protocol is used for sending the packet port number is 1025 with outside local 23 port numbers.

# Step 3d:

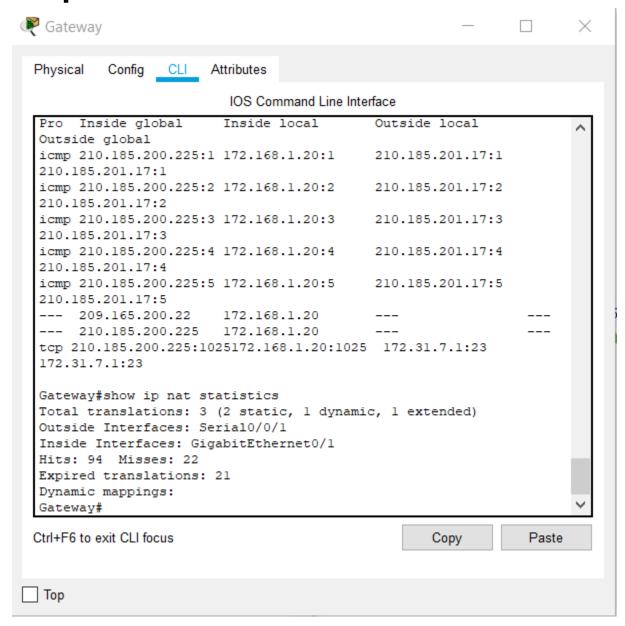
ISP			_		×
Physical Config CLI	Attributes				
	IOS Con	nmand Line Interface			
					^
User Access Verificat	tion				
Password:					
Password: Password:					
	225				
ips>ping 210.185.200	.225				
Type escape sequence Sending 5, 100-byte 1			.225, timeout	is 2	
seconds:					
Success rate is 100 p	percent (5	/5), round-trip	min/avg/max	=	
1/9/32 ms					
ips>					<b>Y</b>
Ctrl+F6 to exit CLI focus			Сору	Paste	

Pinging ISP to PC-A

# Step 3e:

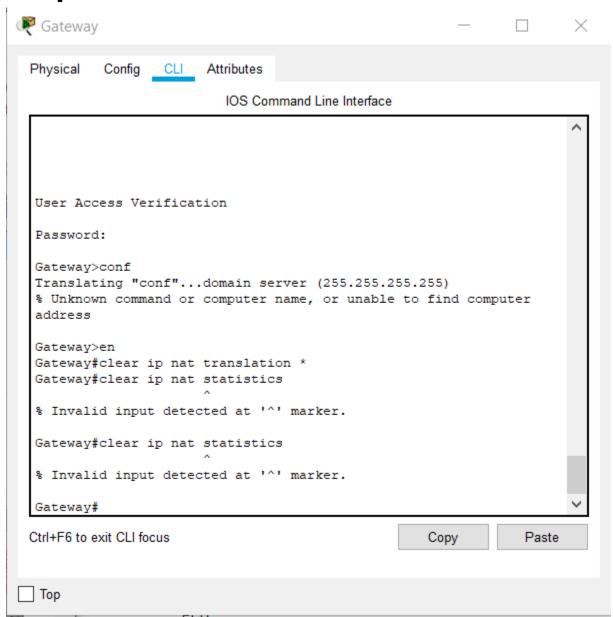


#### Step 3f:

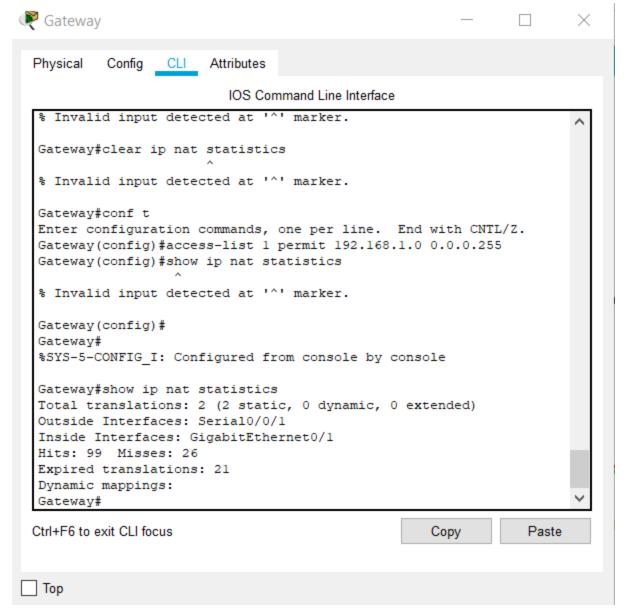


#### Task 3

# Step 1:

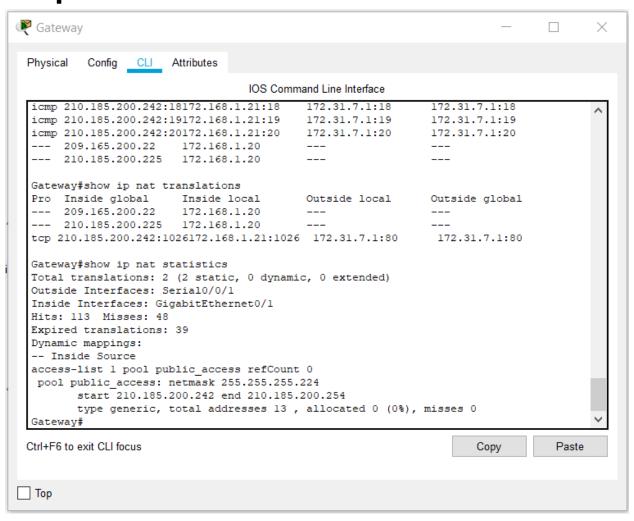


# Step 2:

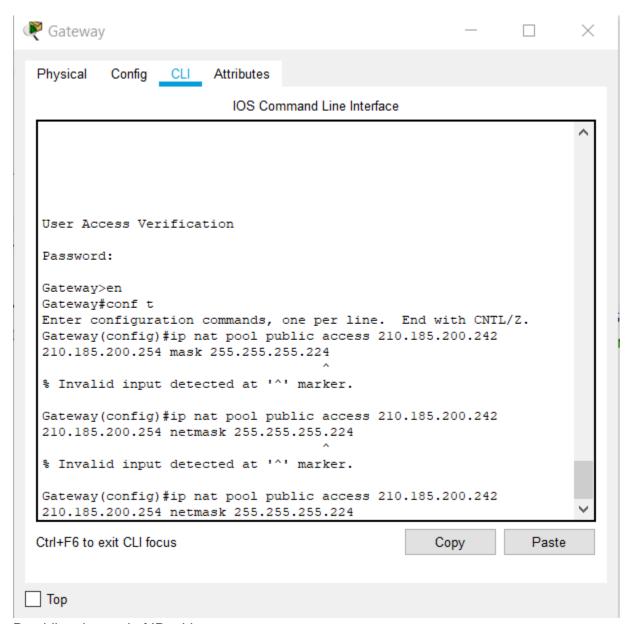


Providing the access\_list name

# Step 3:

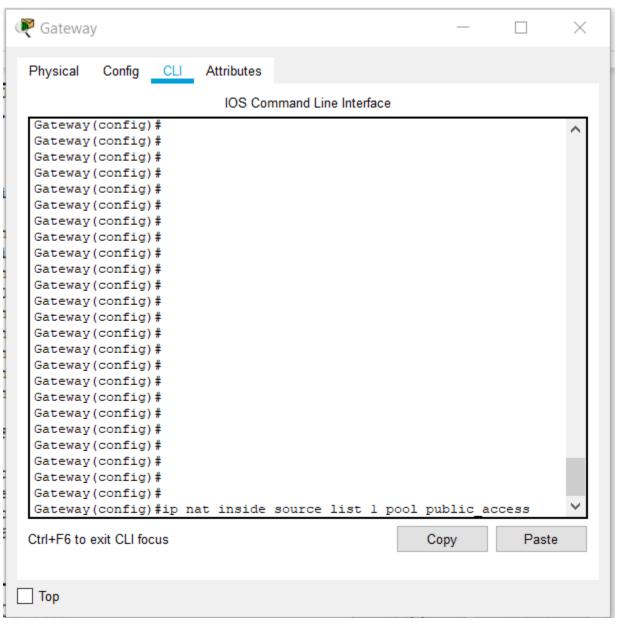


#### Step 4:



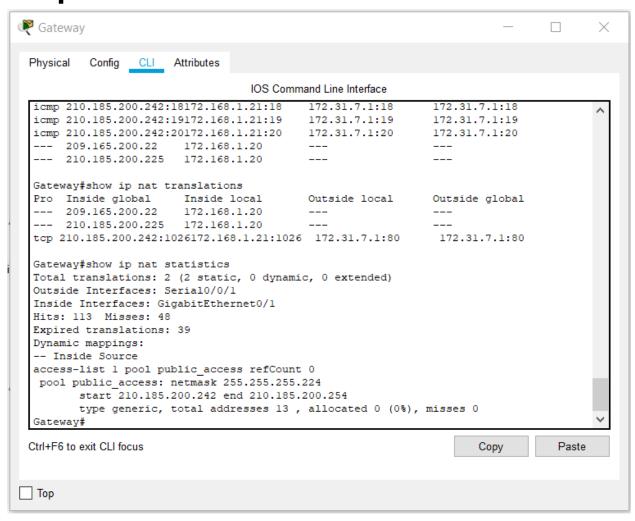
Providing the pool of IP address.

# Step 5:



Connecting the public\_access pool and the source list

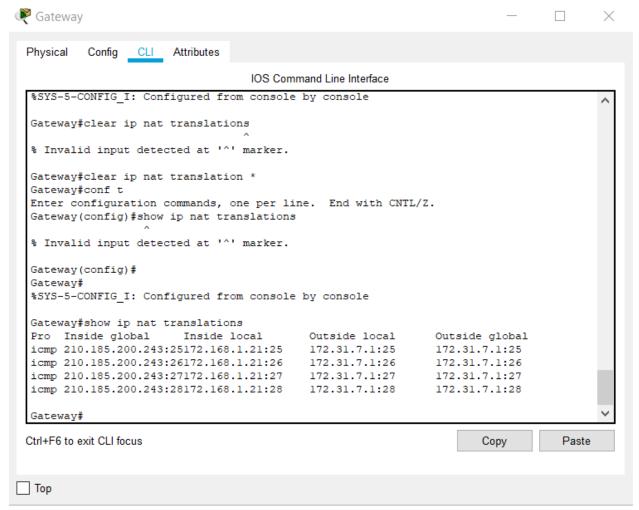
#### Step 6a:



172.168.1.21 = 210.185.200.225

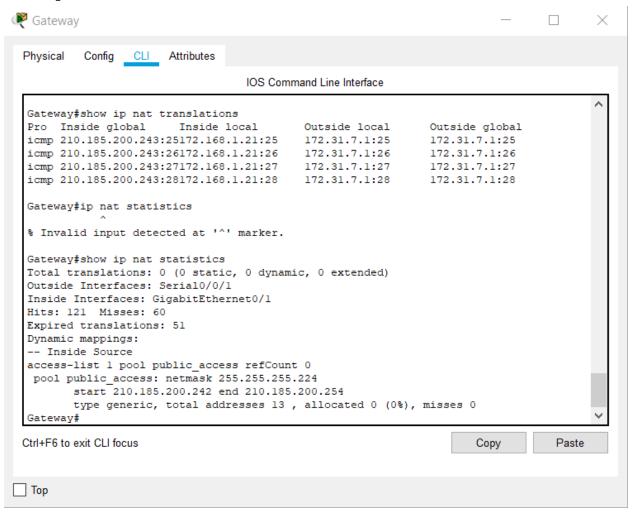
The port number was 1025

#### Step 6c:

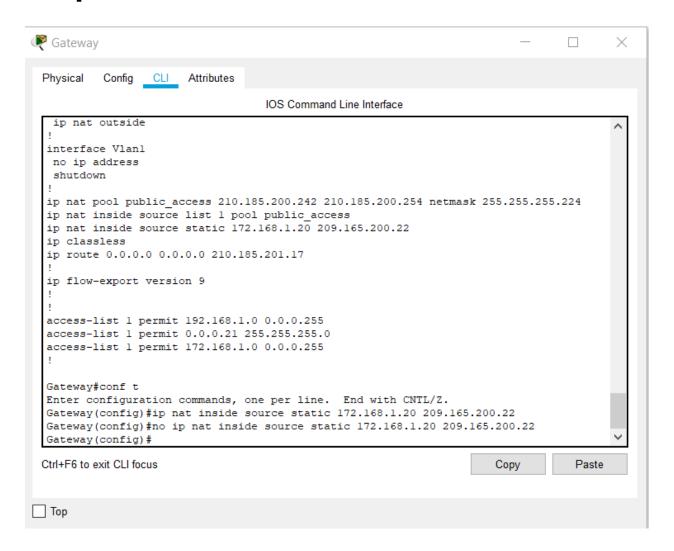


Translation table from B using ICMP port number 25, 26, 27, 28 outside also same i.e. 25, 26, 27, 28

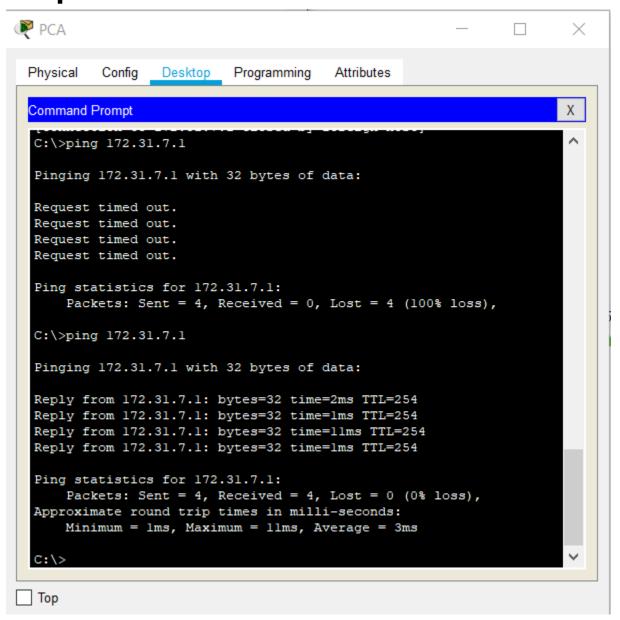
# Step 6d:



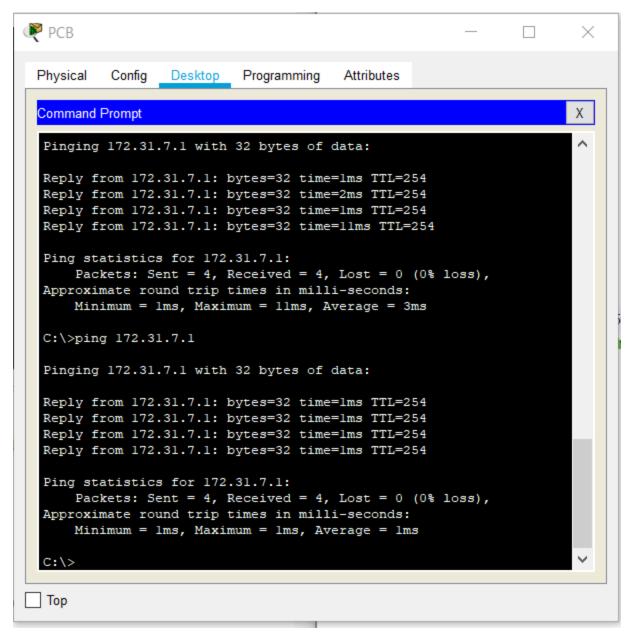
# Step 7a-7b:



#### Step 7c:

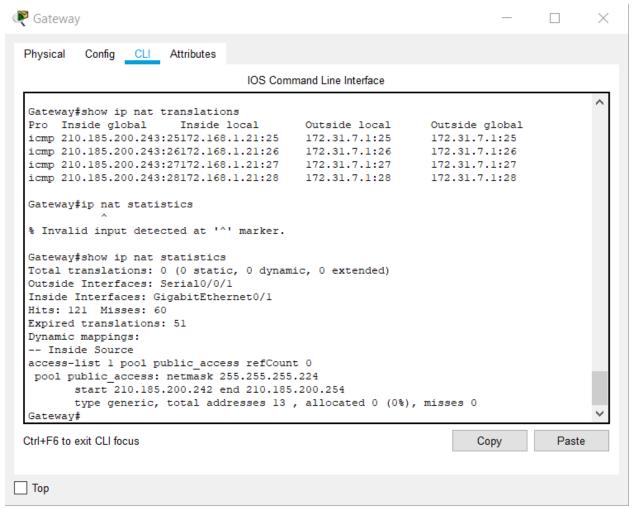


Ping ISP from PC-A



Ping ISP from PC-B

#### Step 7d:



Nat table and the statistics.