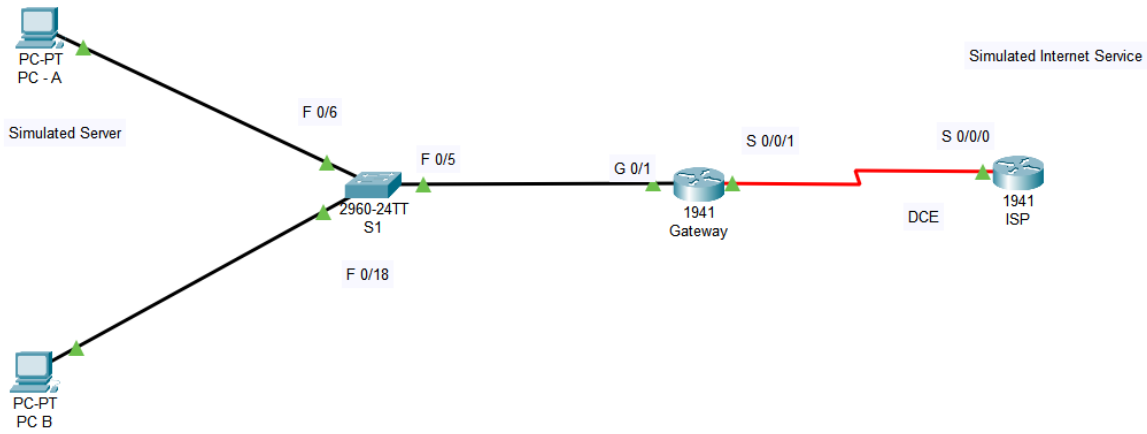


PC - A

Physical | Config | Desktop | Programming | Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

- DHCP
- Static

IP Address	172.168.1.20
Subnet Mask	255.255.255.0
Default Gateway	172.168.1.1
DNS Server	0.0.0.0

IPv6 Configuration

- DHCP
- Auto Config
- Static

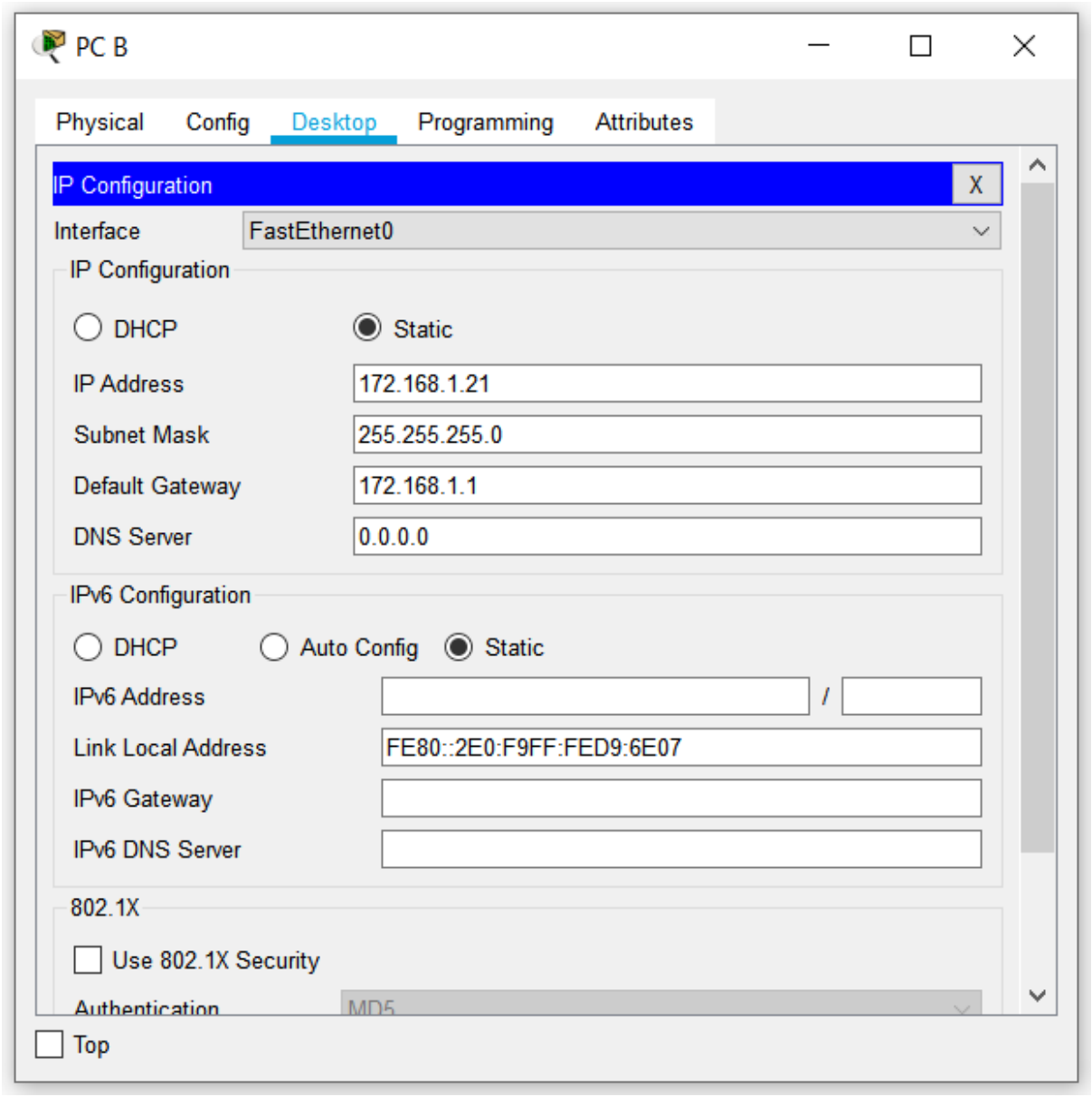
IPv6 Address	/
Link Local Address	FE80::201:97FF:FE01:5677
IPv6 Gateway	
IPv6 DNS Server	

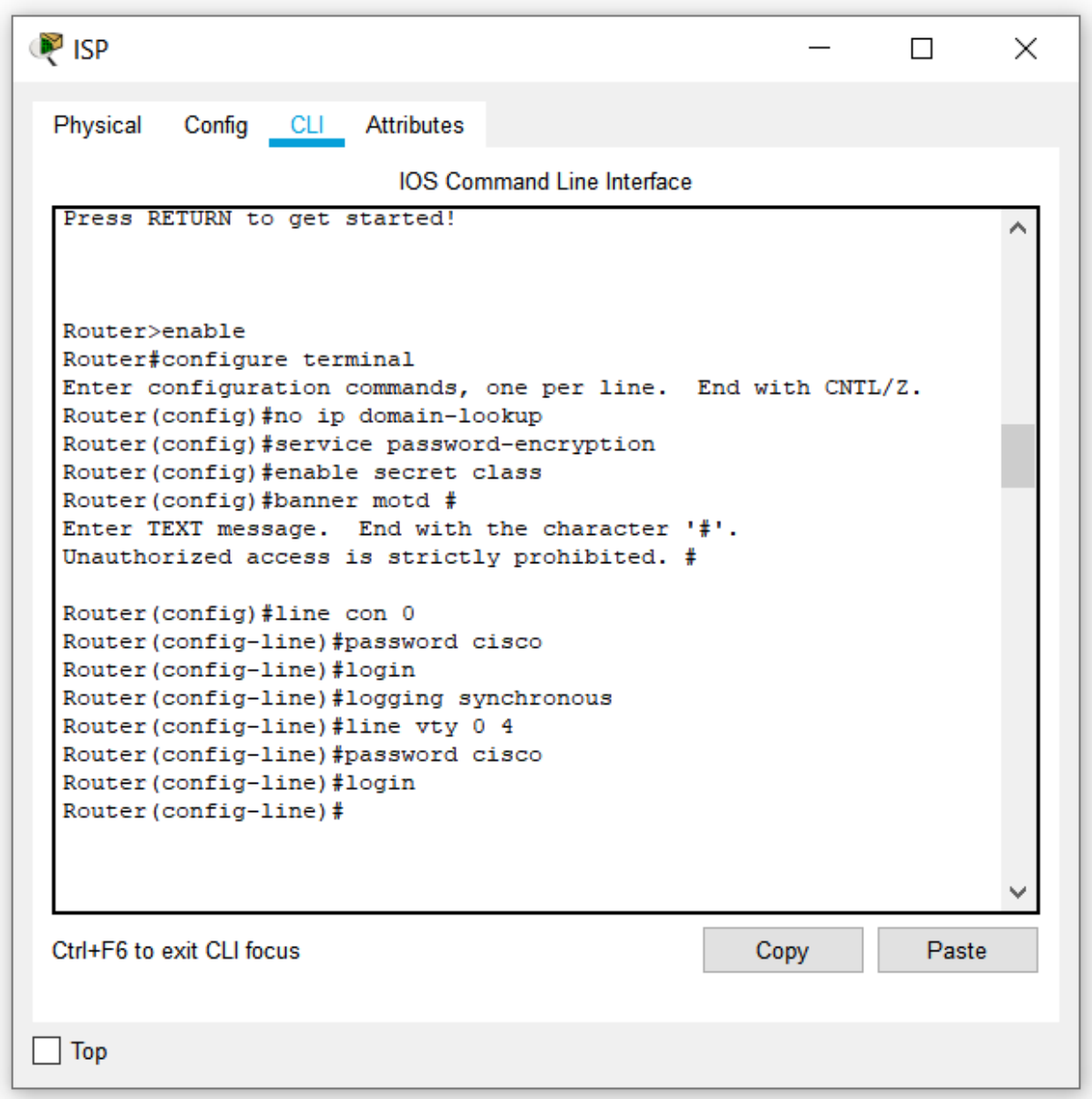
802.1X

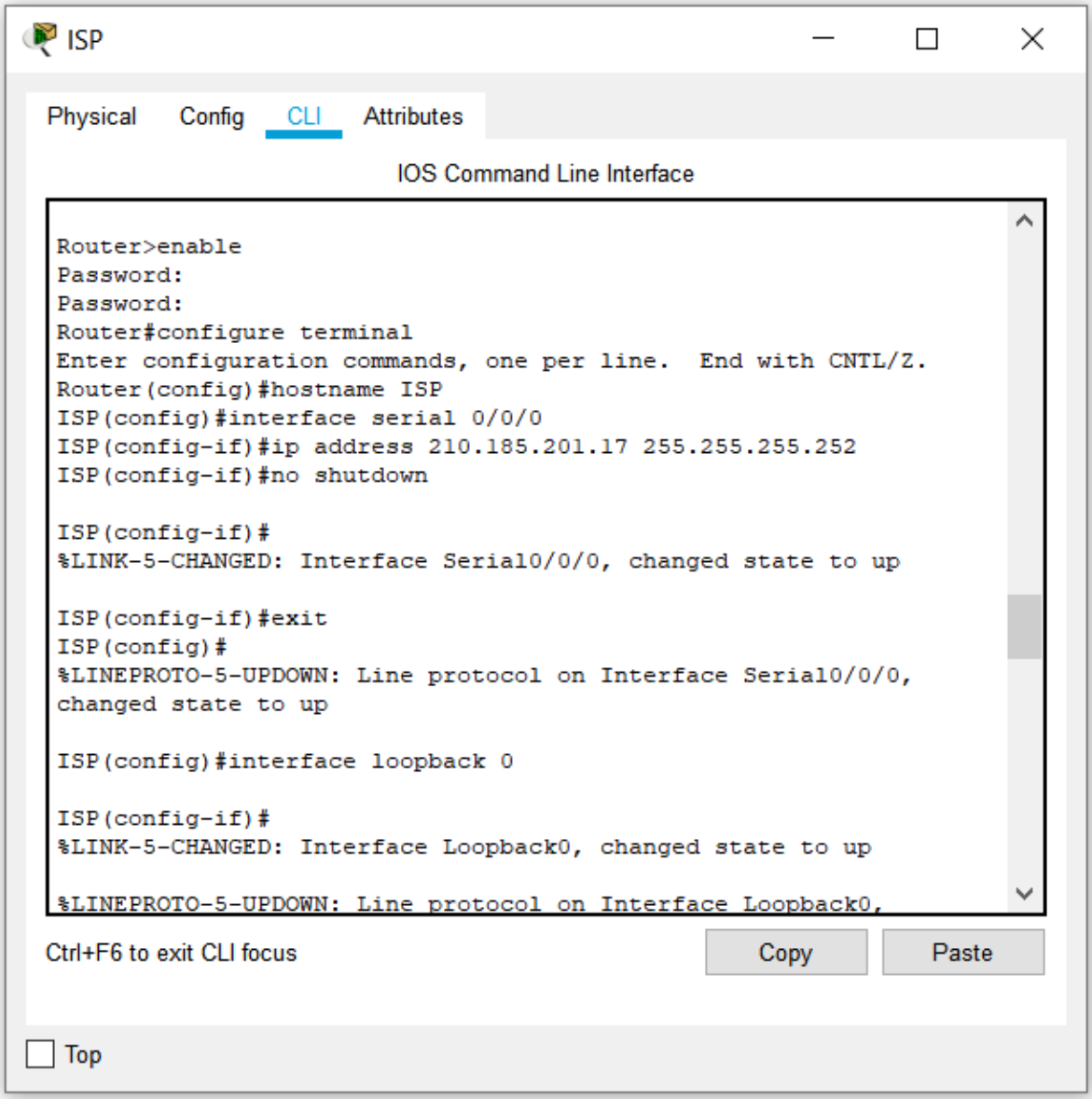
- Use 802.1X Security

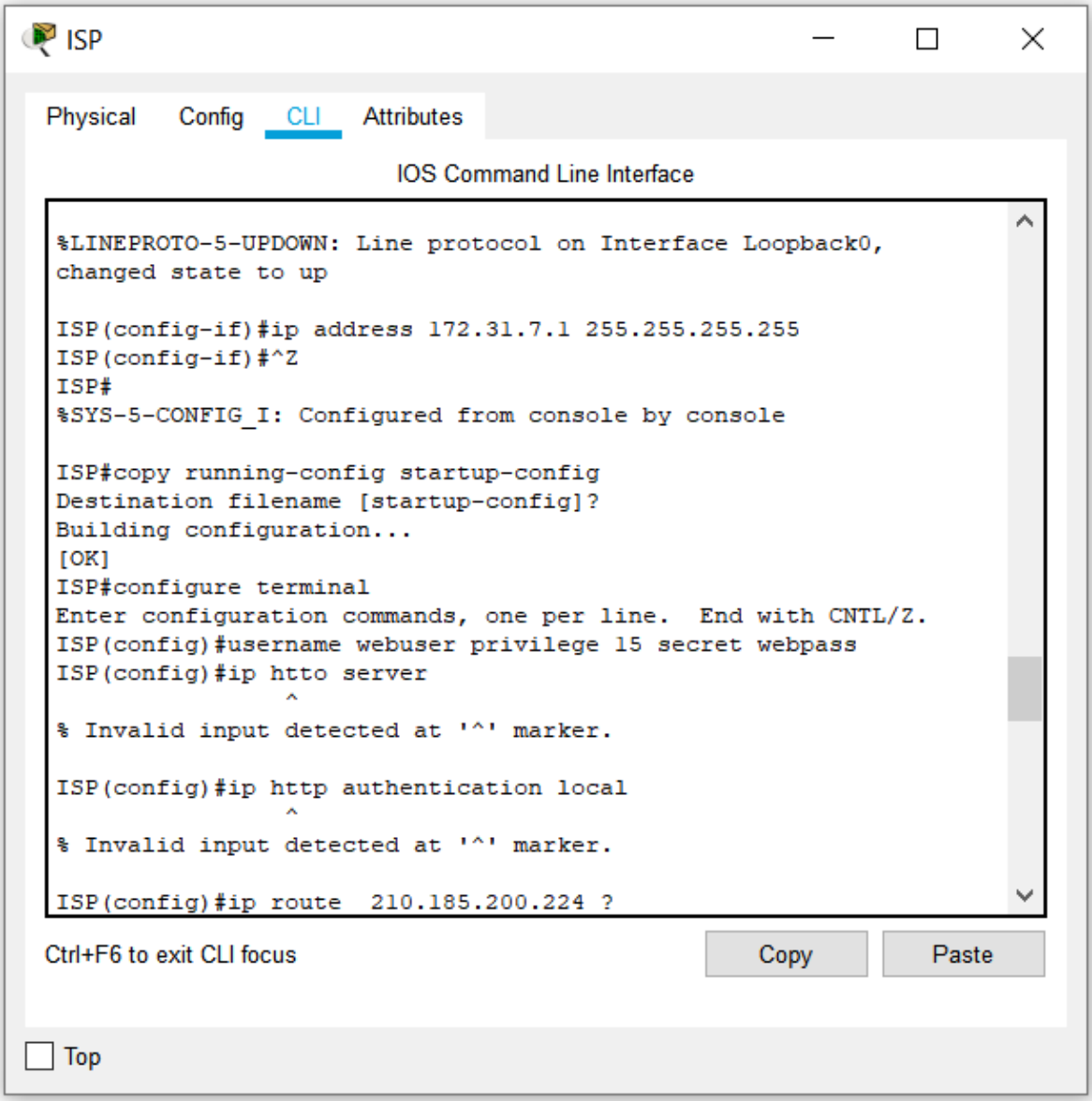
Authentication: MD5

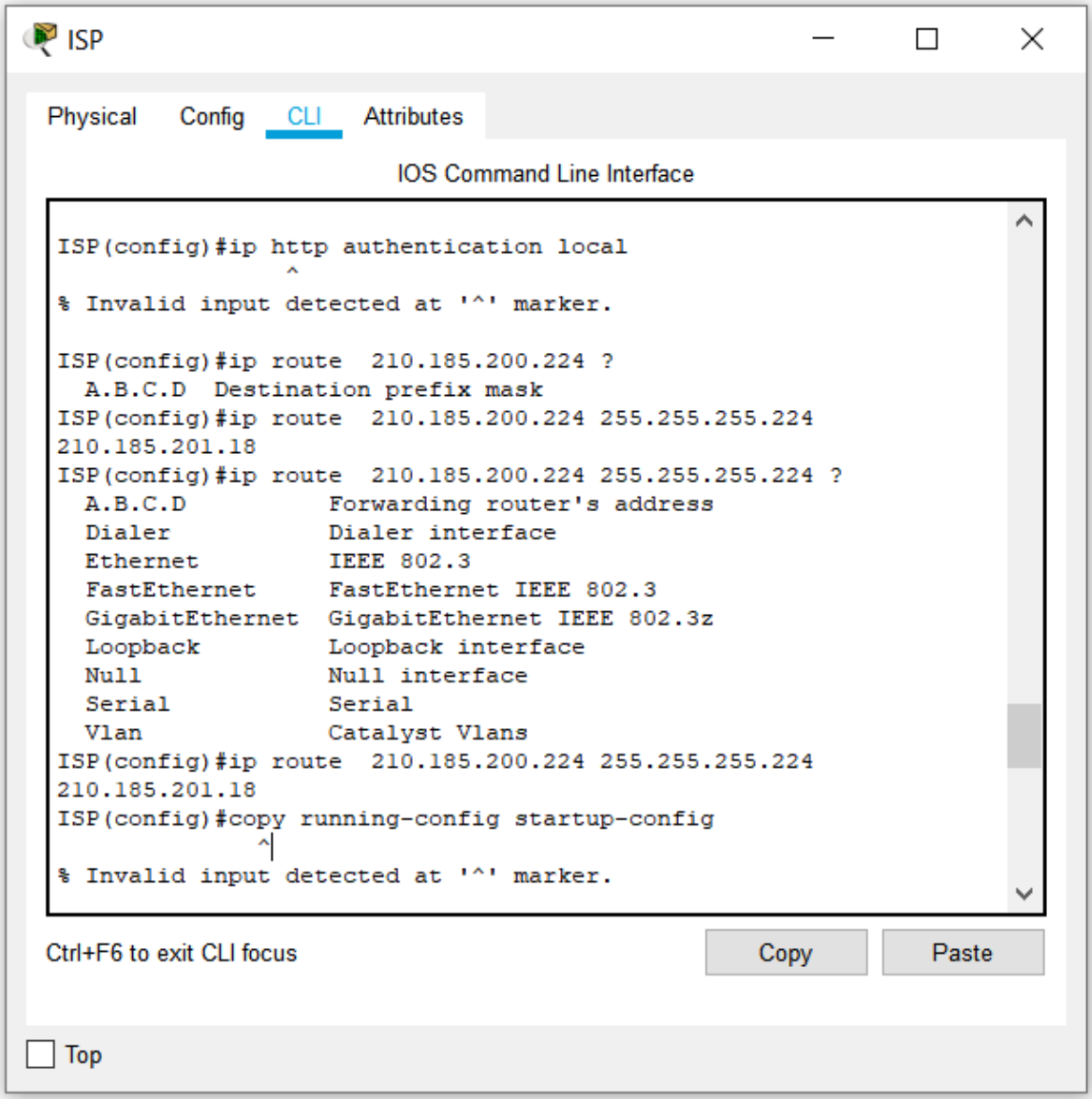
Top

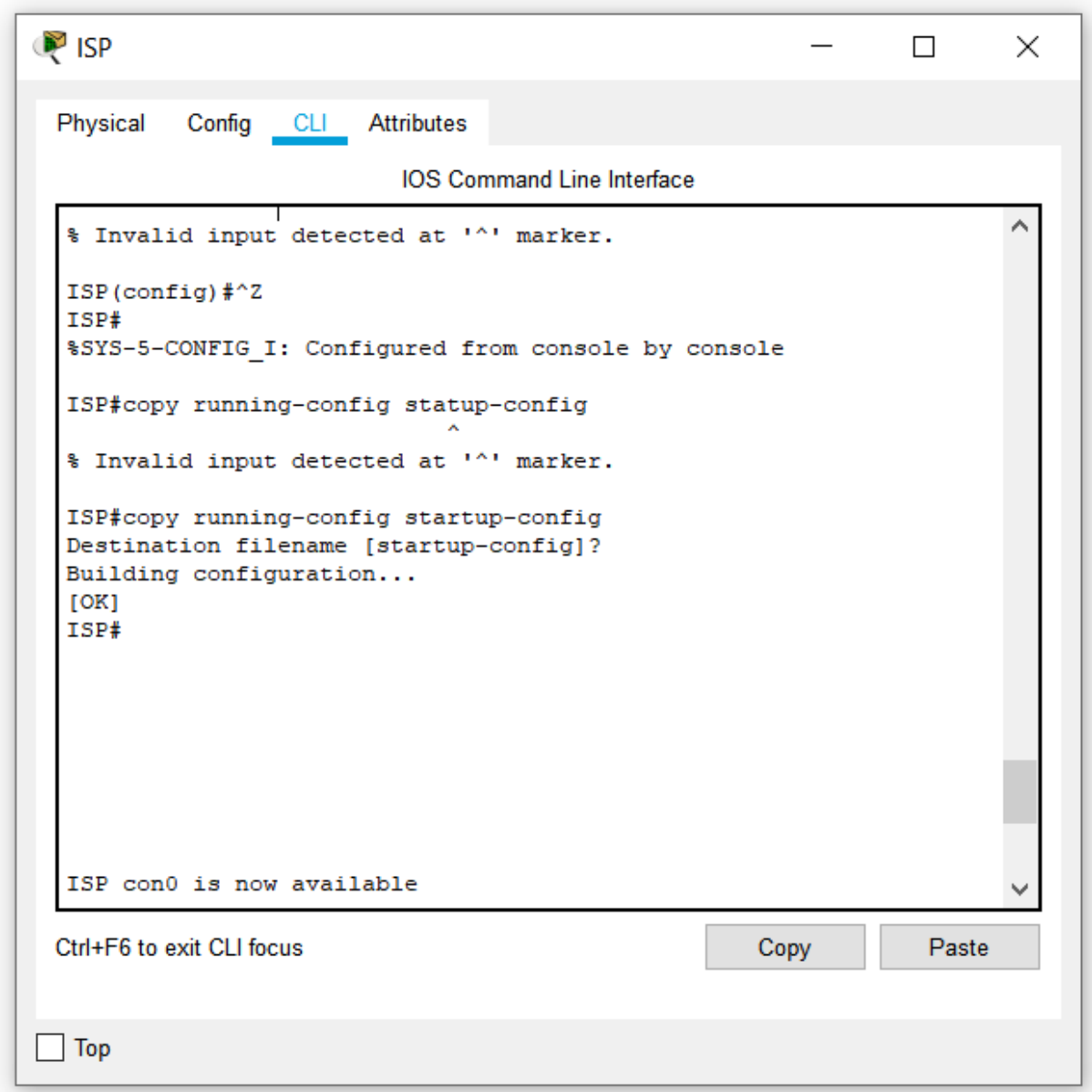

PC B
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
172.168.1.21
Subnet Mask
255.255.255.0
Default Gateway
172.168.1.1
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::2E0:F9FF:FED9:6E07
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Top

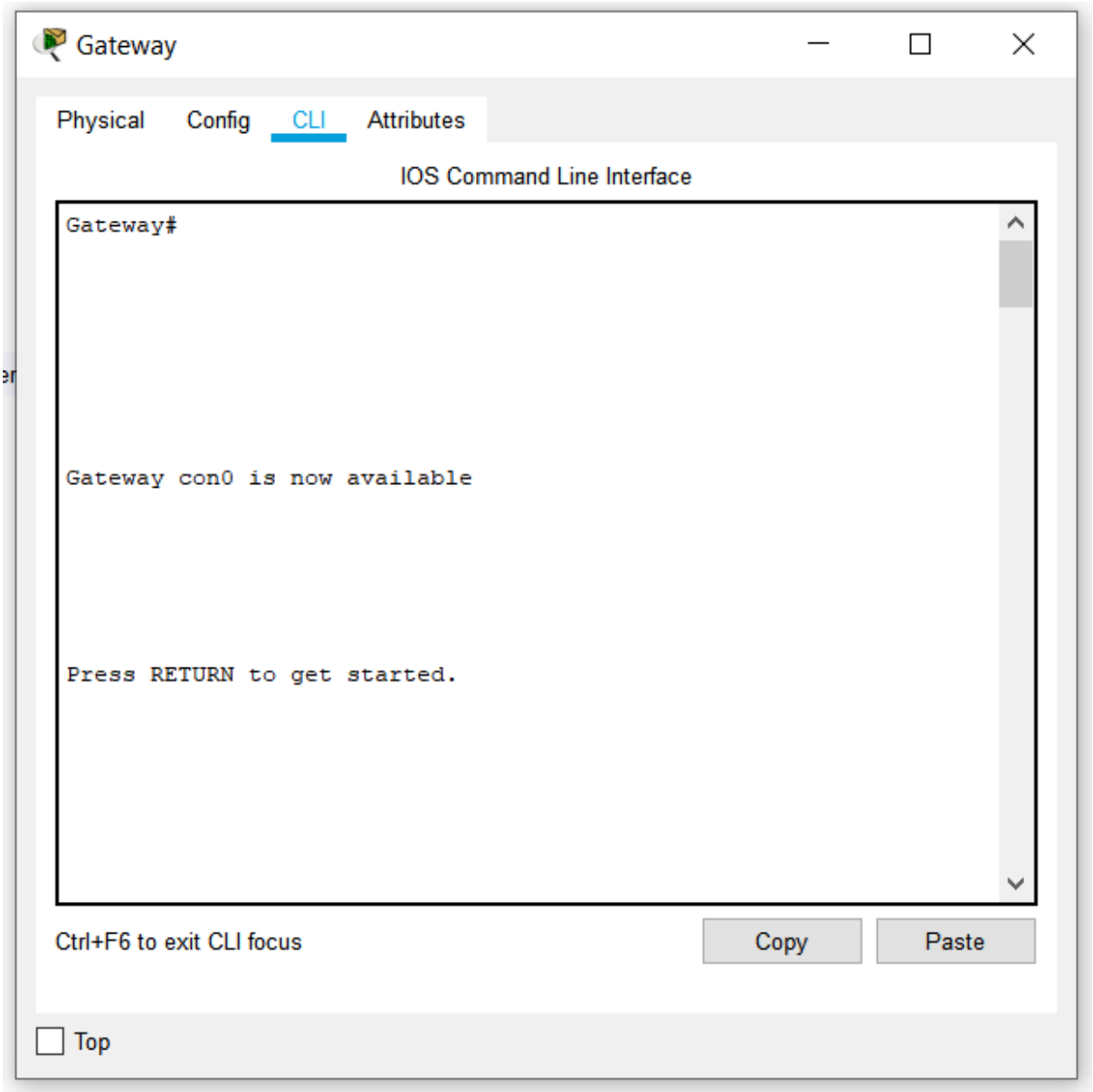

ISP
Physical
Config
CLI
Attributes
IOS Command Line Interface
Press RETURN to get started!
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#no ip domain-lookup
Router(config)#service password-encryption
Router(config)#enable secret class
Router(config)#banner motd #
Enter TEXT message. End with the character '#'.
Unauthorized access is strictly prohibited. #
Router(config)#line con 0
Router(config-line)#password cisco
Router(config-line)#login
Router(config-line)#logging synchronous
Router(config-line)#line vty 0 4
Router(config-line)#password cisco
Router(config-line)#login
Router(config-line)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

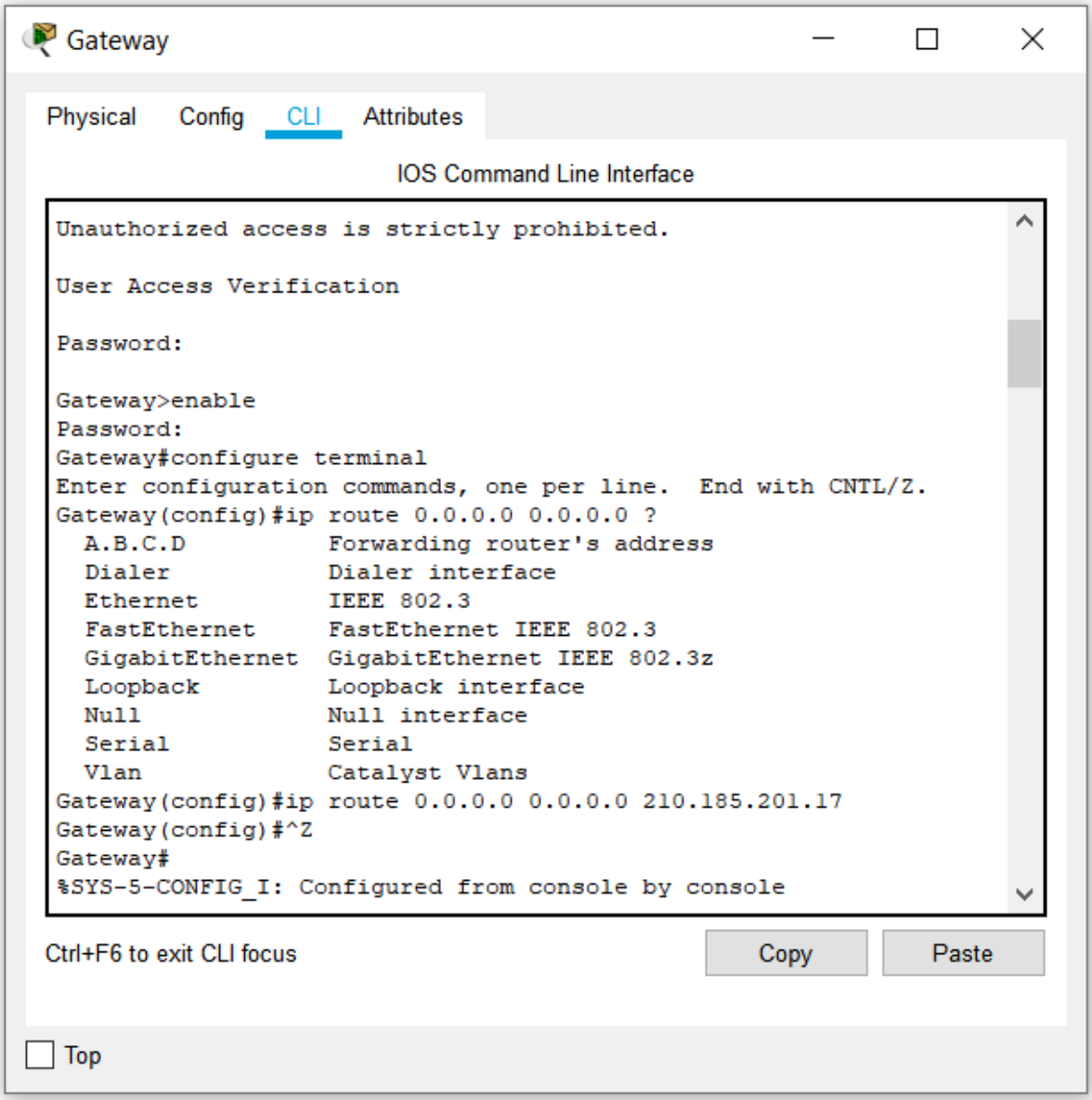

ISP
Physical
Config
CLI
Attributes
IOS Command Line Interface
Router>enable
Password:
Password:
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname ISP
ISP(config)#interface serial 0/0/0
ISP(config-if)#ip address 210.185.201.17 255.255.255.252
ISP(config-if)#no shutdown
ISP(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up
ISP(config-if)#exit
ISP(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0,
changed state to up
ISP(config)#interface loopback 0
ISP(config-if)#
%LINK-5-CHANGED: Interface Loopback0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0,
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

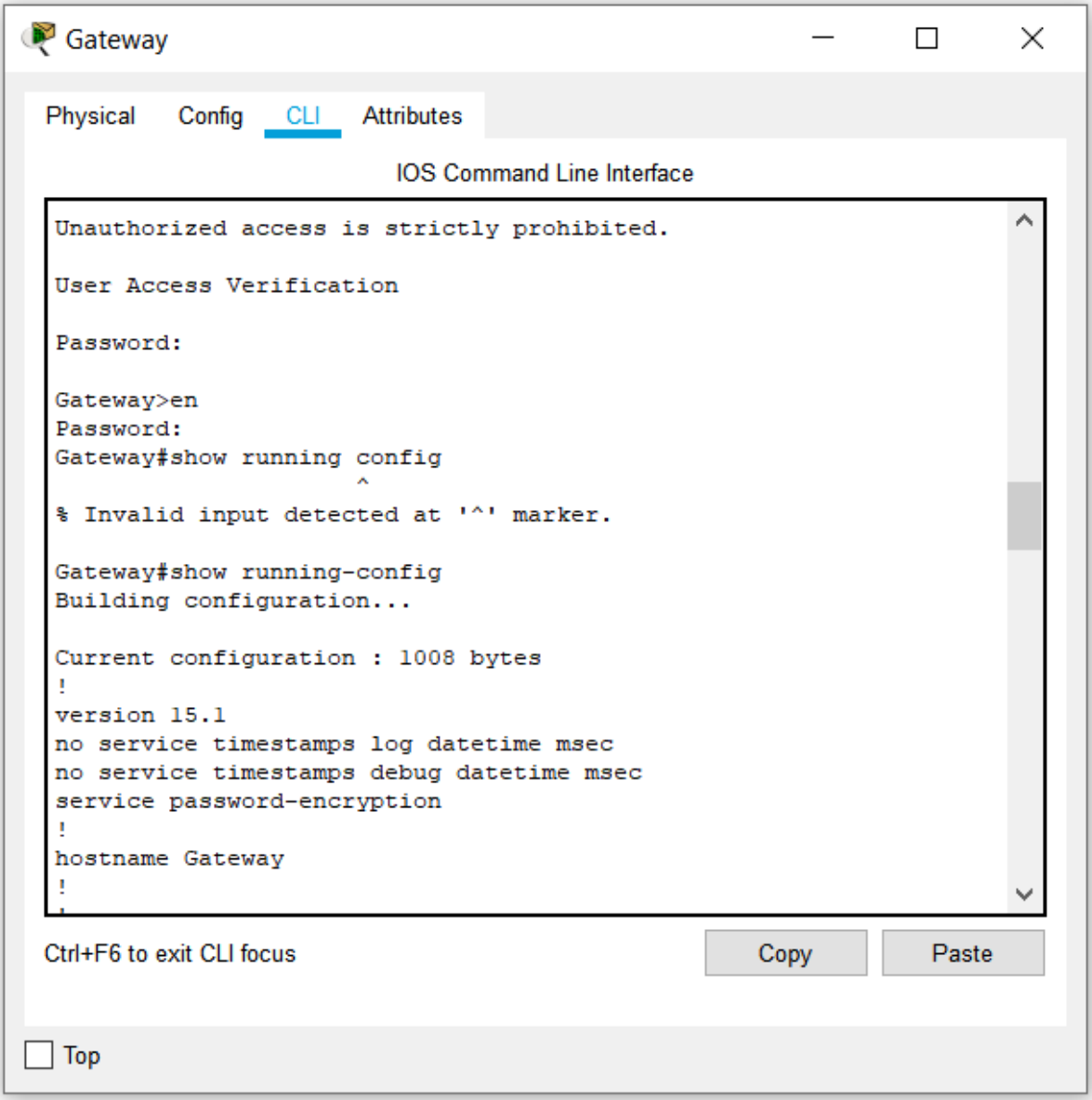

ISP
Physical
Config
CLI
Attributes
IOS Command Line Interface
%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0,
changed state to up
ISP(config-if)#ip address 172.31.7.1 255.255.255.255
ISP(config-if)#^Z
ISP#
%SYS-5-CONFIG_I: Configured from console by console
ISP#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
ISP#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
ISP(config)#username webuser privilege 15 secret webpass
ISP(config)#ip htto server
^
% Invalid input detected at '^' marker.
ISP(config)#ip http authentication local
^
% Invalid input detected at '^' marker.
ISP(config)#ip route 210.185.200.224 ?
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

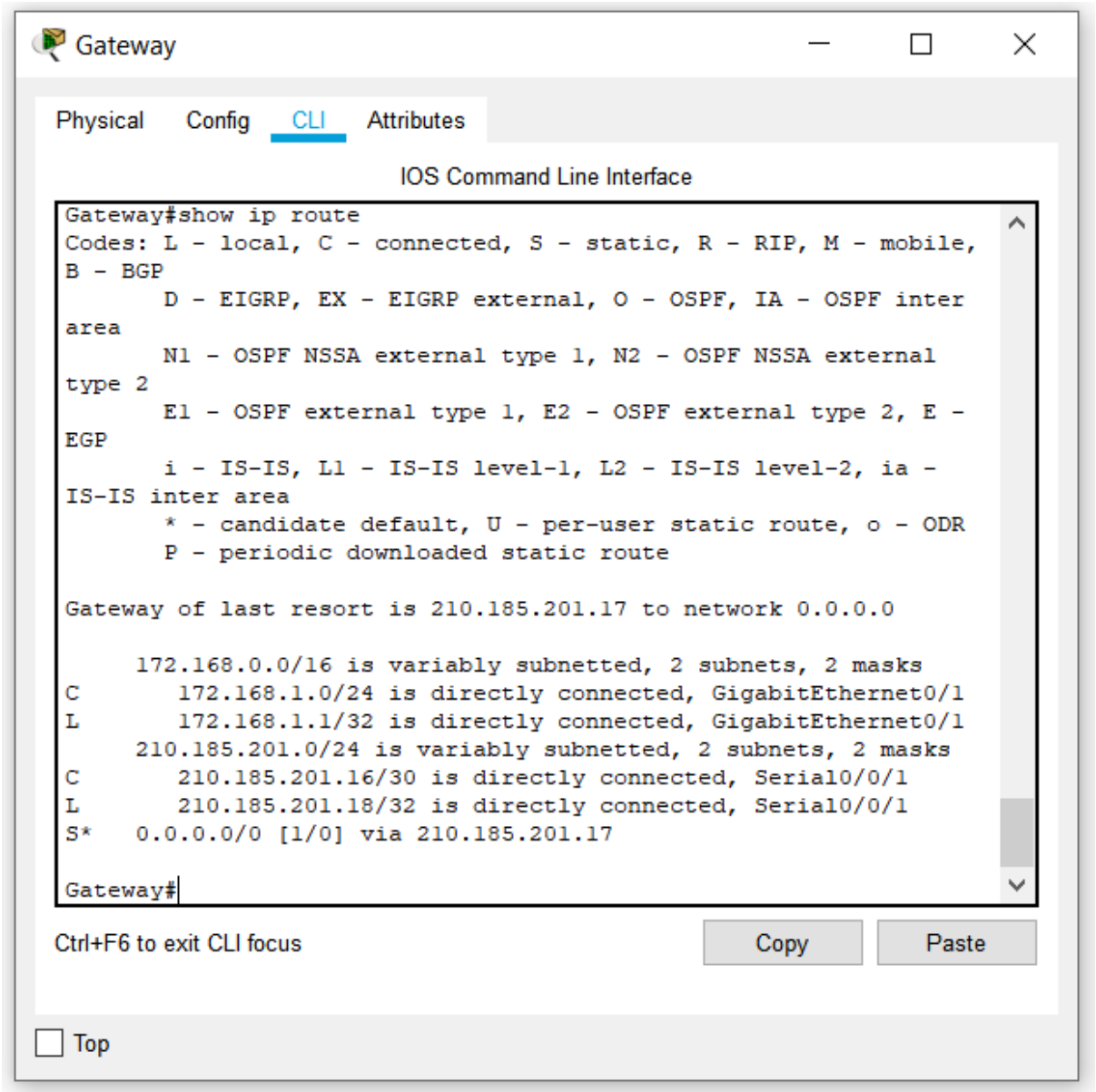

ISP
Physical
Config
CLI
Attributes
IOS Command Line Interface
ISP(config)#ip http authentication local
^
% Invalid input detected at '^' marker.
ISP(config)#ip route 210.185.200.224 ?
A.B.C.D Destination prefix mask
ISP(config)#ip route 210.185.200.224 255.255.255.224
210.185.201.18
ISP(config)#ip route 210.185.200.224 255.255.255.224 ?
A.B.C.D Forwarding router's address
Dialer Dialer interface
Ethernet IEEE 802.3
FastEthernet FastEthernet IEEE 802.3
GigabitEthernet GigabitEthernet IEEE 802.3z
Loopback Loopback interface
Null Null interface
Serial Serial
Vlan Catalyst Vlans
ISP(config)#ip route 210.185.200.224 255.255.255.224
210.185.201.18
ISP(config)#copy running-config startup-config
^
% Invalid input detected at '^' marker.
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

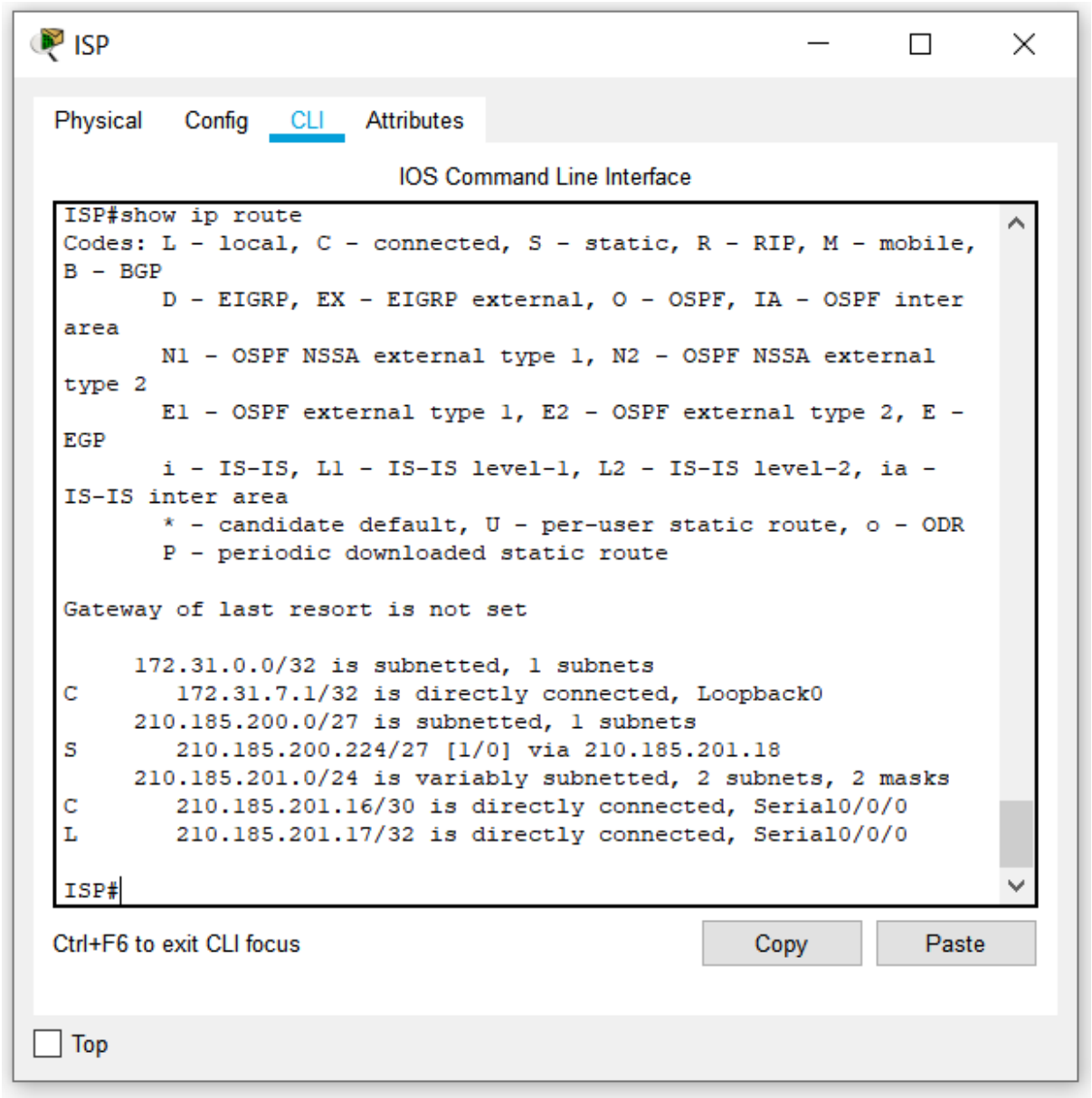

ISP
Physical
Config
CLI
Attributes
IOS Command Line Interface
% Invalid input detected at '^' marker.
ISP(config)#^Z
ISP#
%SYS-5-CONFIG_I: Configured from console by console
ISP#copy running-config statup-config
^
% Invalid input detected at '^' marker.
ISP#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
ISP#
ISP con0 is now available
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

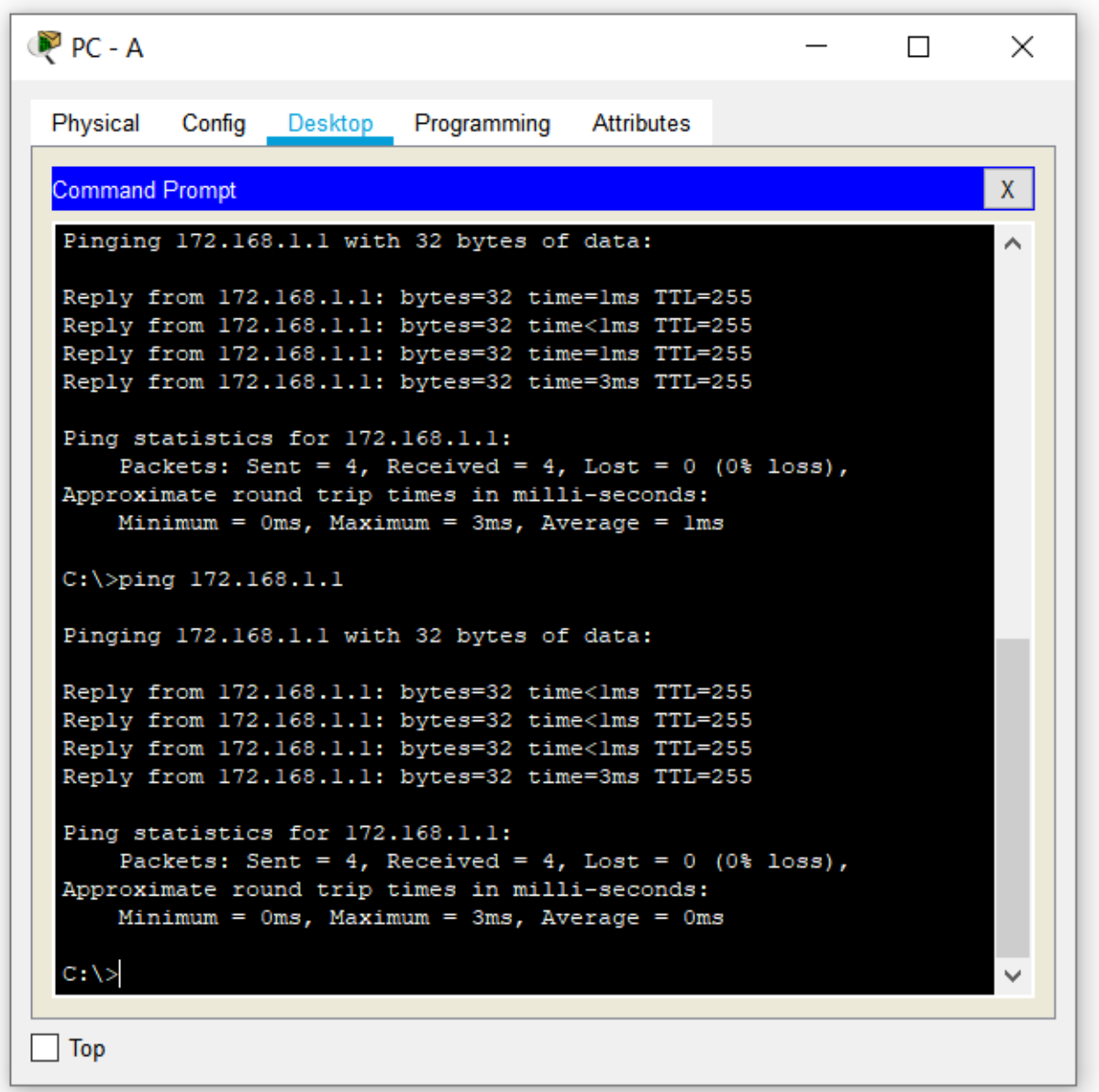

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway#
Gateway con0 is now available
Press RETURN to get started.
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

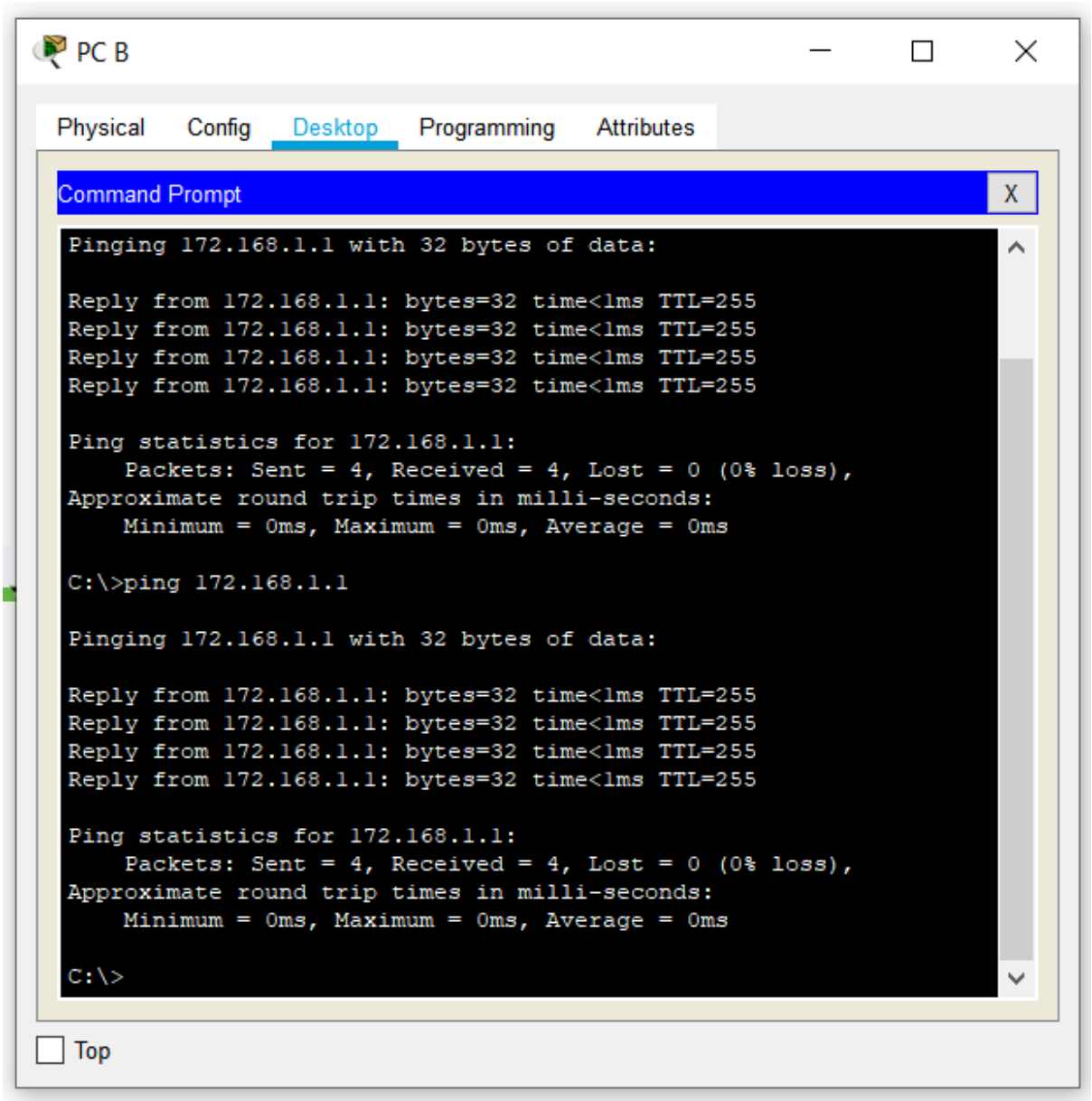

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Unauthorized access is strictly prohibited.
User Access Verification
Password:
Gateway>enable
Password:
Gateway#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#ip route 0.0.0.0 0.0.0.0 ?
A.B.C.D Forwarding router's address
Dialer Dialer interface
Ethernet IEEE 802.3
FastEthernet FastEthernet IEEE 802.3
GigabitEthernet GigabitEthernet IEEE 802.3z
Loopback Loopback interface
Null Null interface
Serial Serial
Vlan Catalyst Vlans
Gateway(config)#ip route 0.0.0.0 0.0.0.0 210.185.201.17
Gateway(config)#^Z
Gateway#
%SYS-5-CONFIG_I: Configured from console by console
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Unauthorized access is strictly prohibited.
User Access Verification
Password:
Gateway>en
Password:
Gateway#show running config
^
% Invalid input detected at '^' marker.
Gateway#show running-config
Building configuration...
Current configuration : 1008 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
service password-encryption
!
hostname Gateway
!
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

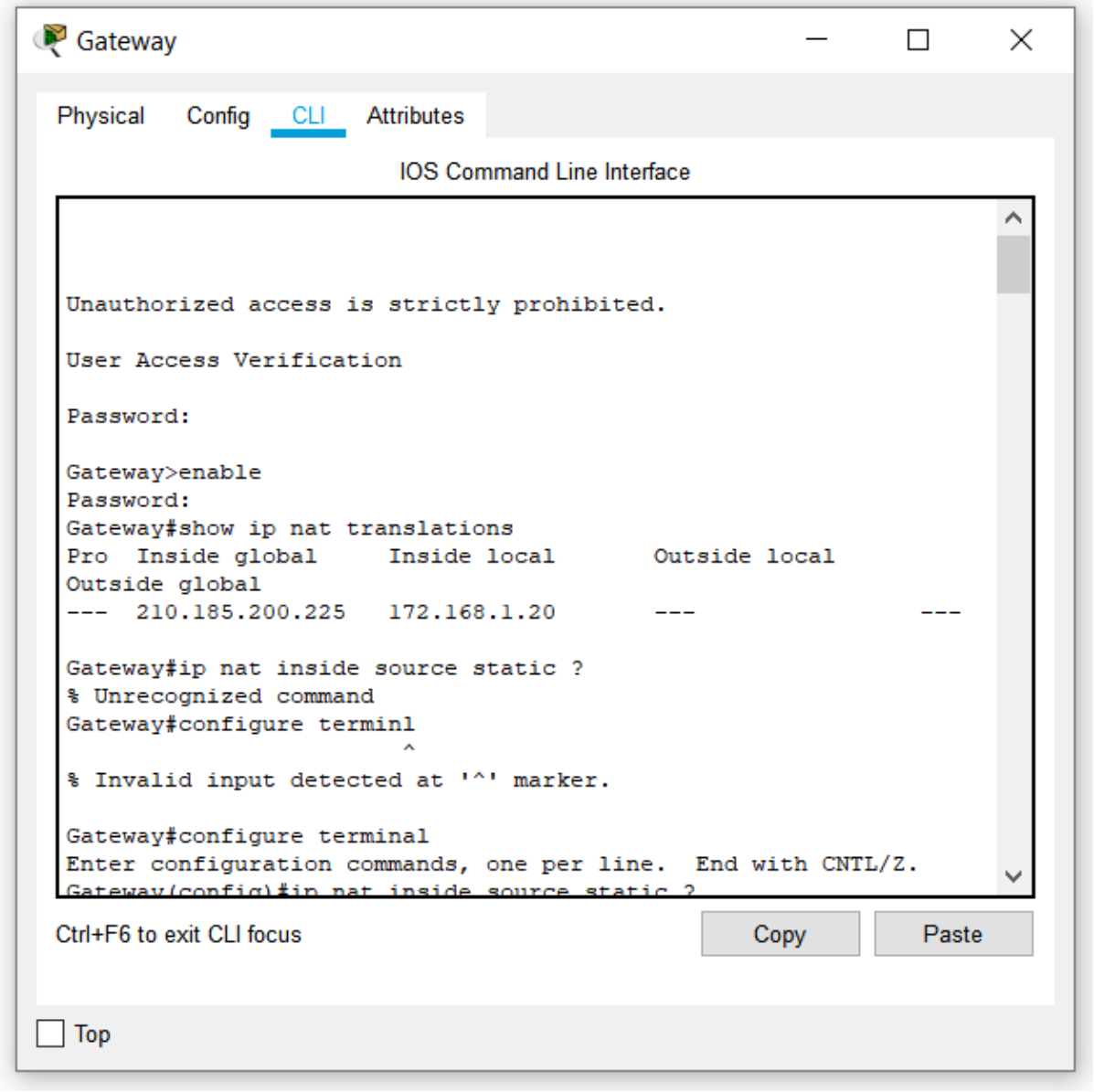

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
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 210.185.201.17 to network 0.0.0.0
172.168.0.0/16 is variably subnetted, 2 subnets, 2 masks
C 172.168.1.0/24 is directly connected, GigabitEthernet0/1
L 172.168.1.1/32 is directly connected, GigabitEthernet0/1
210.185.201.0/24 is variably subnetted, 2 subnets, 2 masks
C 210.185.201.16/30 is directly connected, Serial0/0/1
L 210.185.201.18/32 is directly connected, Serial0/0/1
S* 0.0.0.0/0 [1/0] via 210.185.201.17
Gateway#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

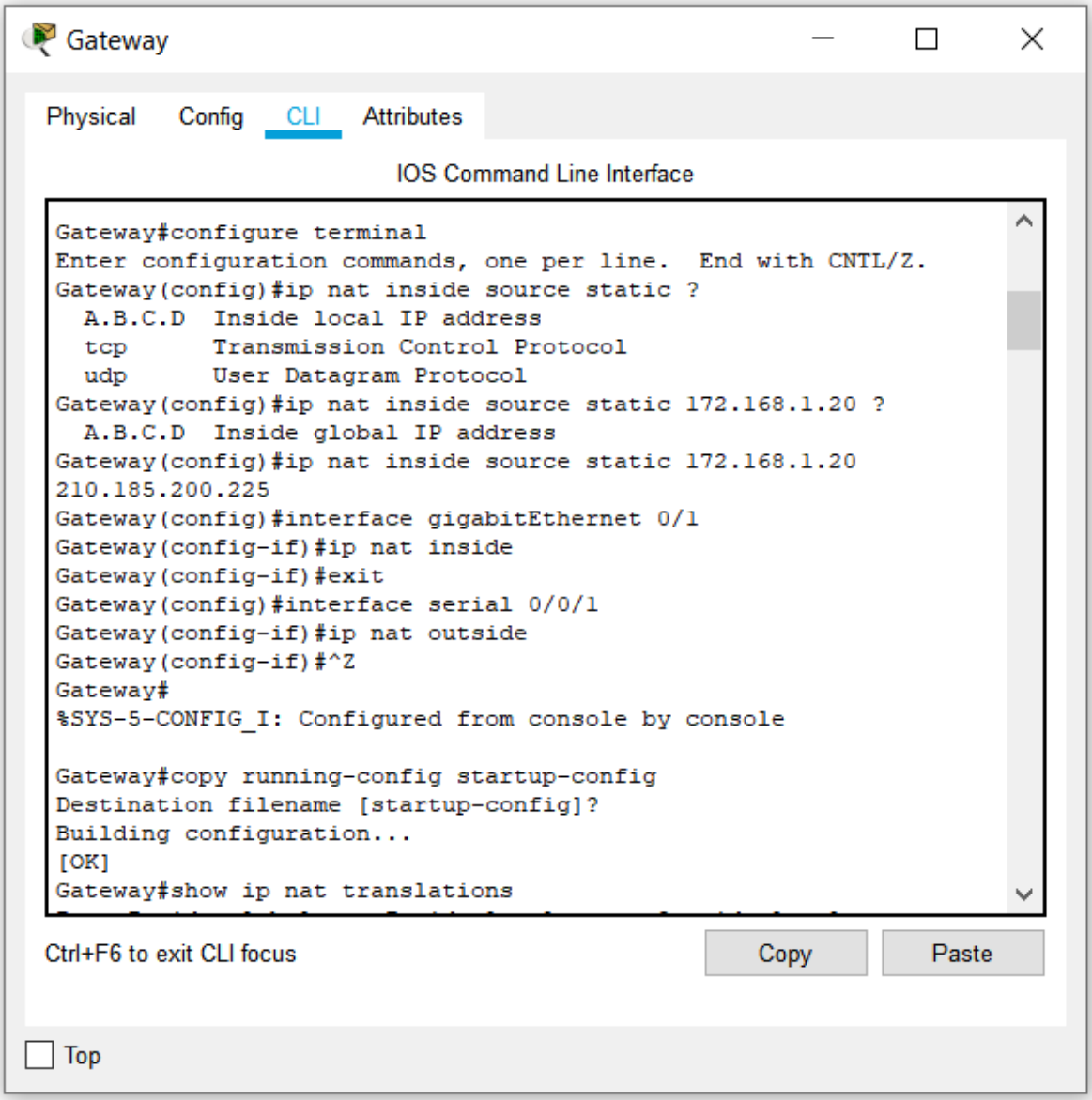

ISP
Physical
Config
CLI
Attributes
IOS Command Line Interface
ISP#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
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
172.31.0.0/32 is subnetted, 1 subnets
C 172.31.7.1/32 is directly connected, Loopback0
210.185.200.0/27 is subnetted, 1 subnets
S 210.185.200.224/27 [1/0] via 210.185.201.18
210.185.201.0/24 is variably subnetted, 2 subnets, 2 masks
C 210.185.201.16/30 is directly connected, Serial0/0/0
L 210.185.201.17/32 is directly connected, Serial0/0/0
ISP#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

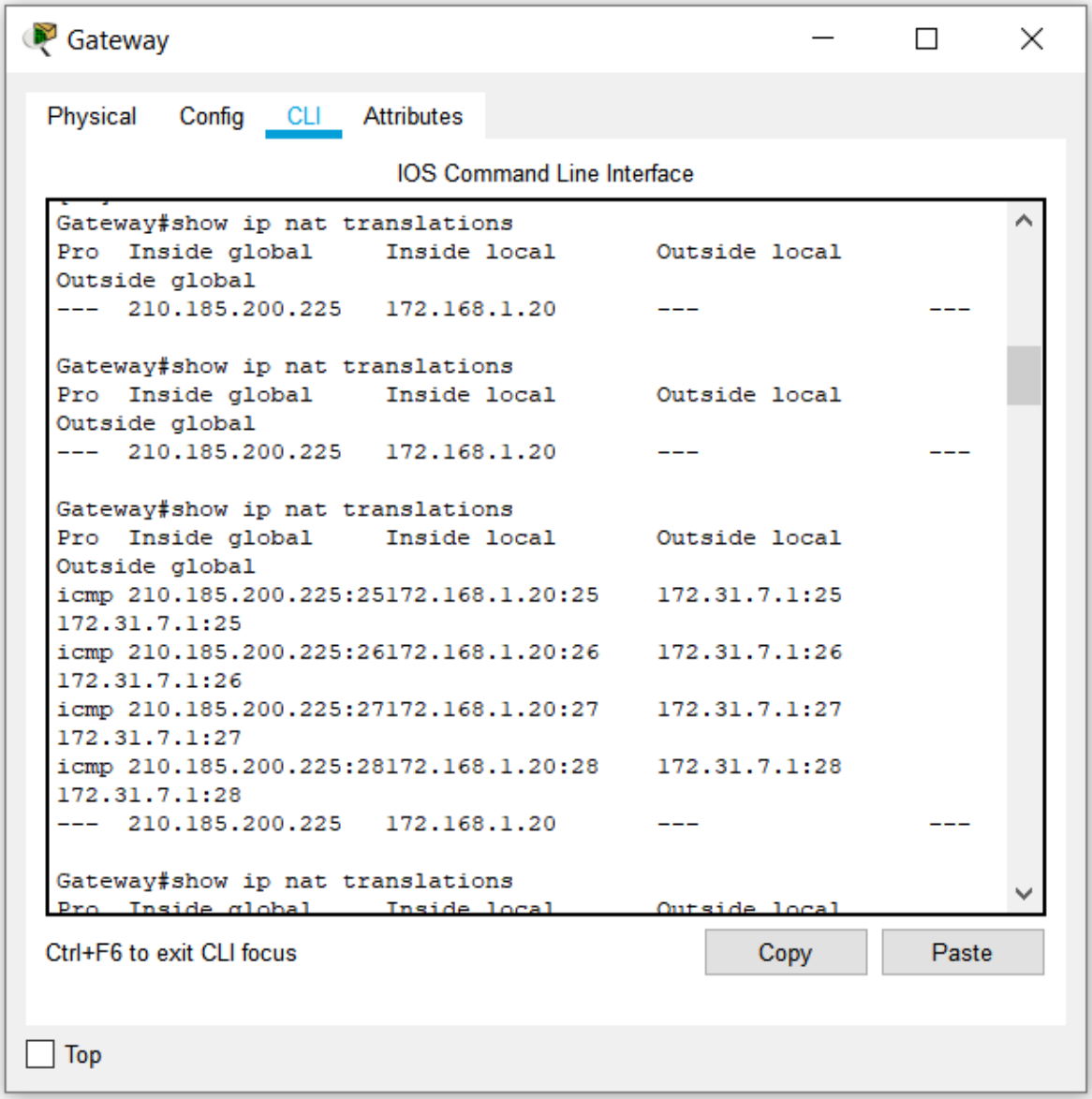

PC - A
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Pinging 172.168.1.1 with 32 bytes of data:
Reply from 172.168.1.1: bytes=32 time=1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time=1ms TTL=255
Reply from 172.168.1.1: bytes=32 time=3ms TTL=255
Ping statistics for 172.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 3ms, Average = 1ms
C:\>ping 172.168.1.1
Pinging 172.168.1.1 with 32 bytes of data:
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time=3ms TTL=255
Ping statistics for 172.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 3ms, Average = 0ms
C:\>
Top


PC B
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Pinging 172.168.1.1 with 32 bytes of data:
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Ping statistics for 172.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 172.168.1.1
Pinging 172.168.1.1 with 32 bytes of data:
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Ping statistics for 172.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top

Task 2:


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Unauthorized access is strictly prohibited.
User Access Verification
Password:
Gateway>enable
Password:
Gateway#show ip nat translations
Pro Inside global Inside local Outside local
Outside global
--- 210.185.200.225 172.168.1.20 --- ---
Gateway#ip nat inside source static ?
% Unrecognized command
Gateway#configure terminl
^
% Invalid input detected at '^' marker.
Gateway#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#ip nat inside source static ?
A.B.C.D Inside local IP address
tcp Transmission Control Protocol
udp User Datagram Protocol
Gateway(config)#ip nat inside source static 172.168.1.20 ?
A.B.C.D Inside global IP address
Gateway(config)#ip nat inside source static 172.168.1.20
210.185.200.225
Gateway(config)#interface gigabitEthernet 0/1
Gateway(config-if)#ip nat inside
Gateway(config-if)#exit
Gateway(config)#interface serial 0/0/1
Gateway(config-if)#ip nat outside
Gateway(config-if)#^Z
Gateway#
%SYS-5-CONFIG_I: Configured from console by console
Gateway#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Gateway#show ip nat translations
Ctrl+F6 to exit CLI focus
Copy
Paste
Top



What is the translation of the Inside local host address?

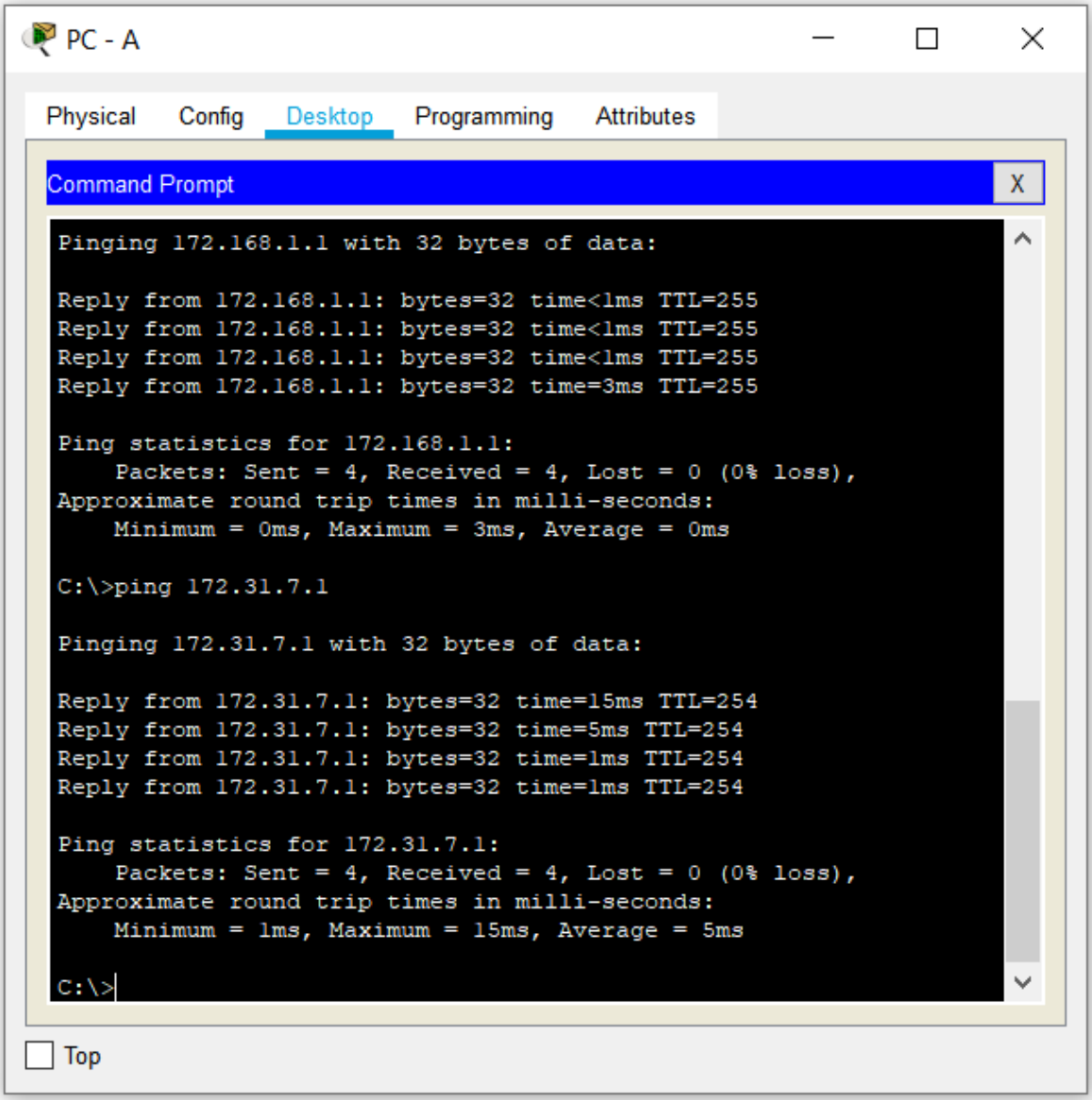
172.168.1.20 = 210.185.200.225

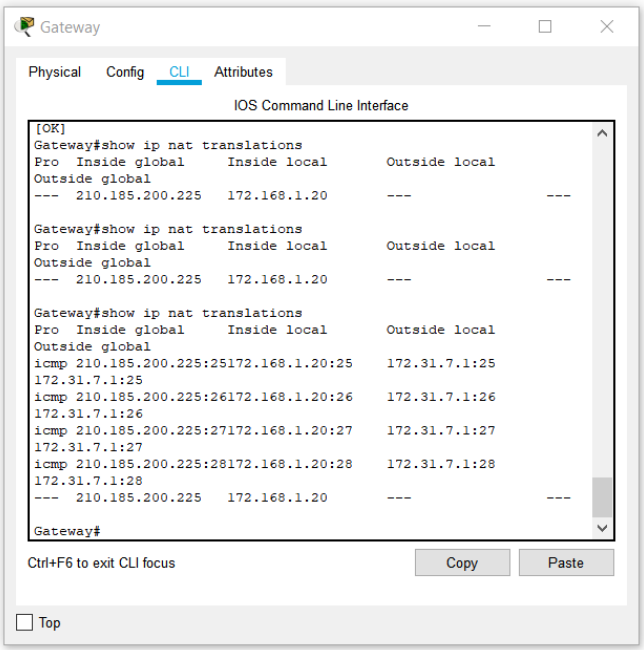
The Inside global address is assigned by?

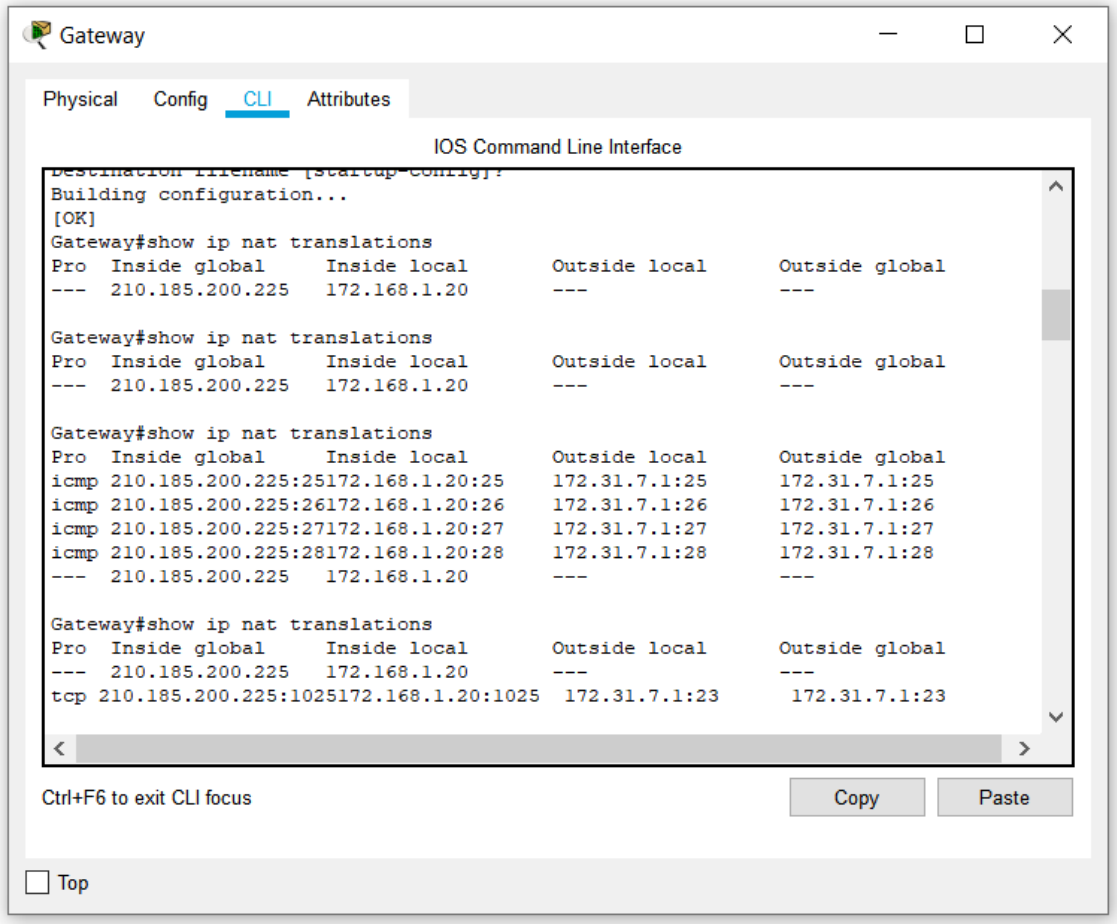
ISP(Static) NAT(POOL Dynamic)

The Inside local address is assigned by?

System Administrator


PC - A
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Pinging 172.168.1.1 with 32 bytes of data:
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time<1ms TTL=255
Reply from 172.168.1.1: bytes=32 time=3ms TTL=255
Ping statistics for 172.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 3ms, Average = 0ms
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=15ms TTL=254
Reply from 172.31.7.1: bytes=32 time=5ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms 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 = 1ms, Maximum = 15ms, Average = 5ms
C:\>
Top

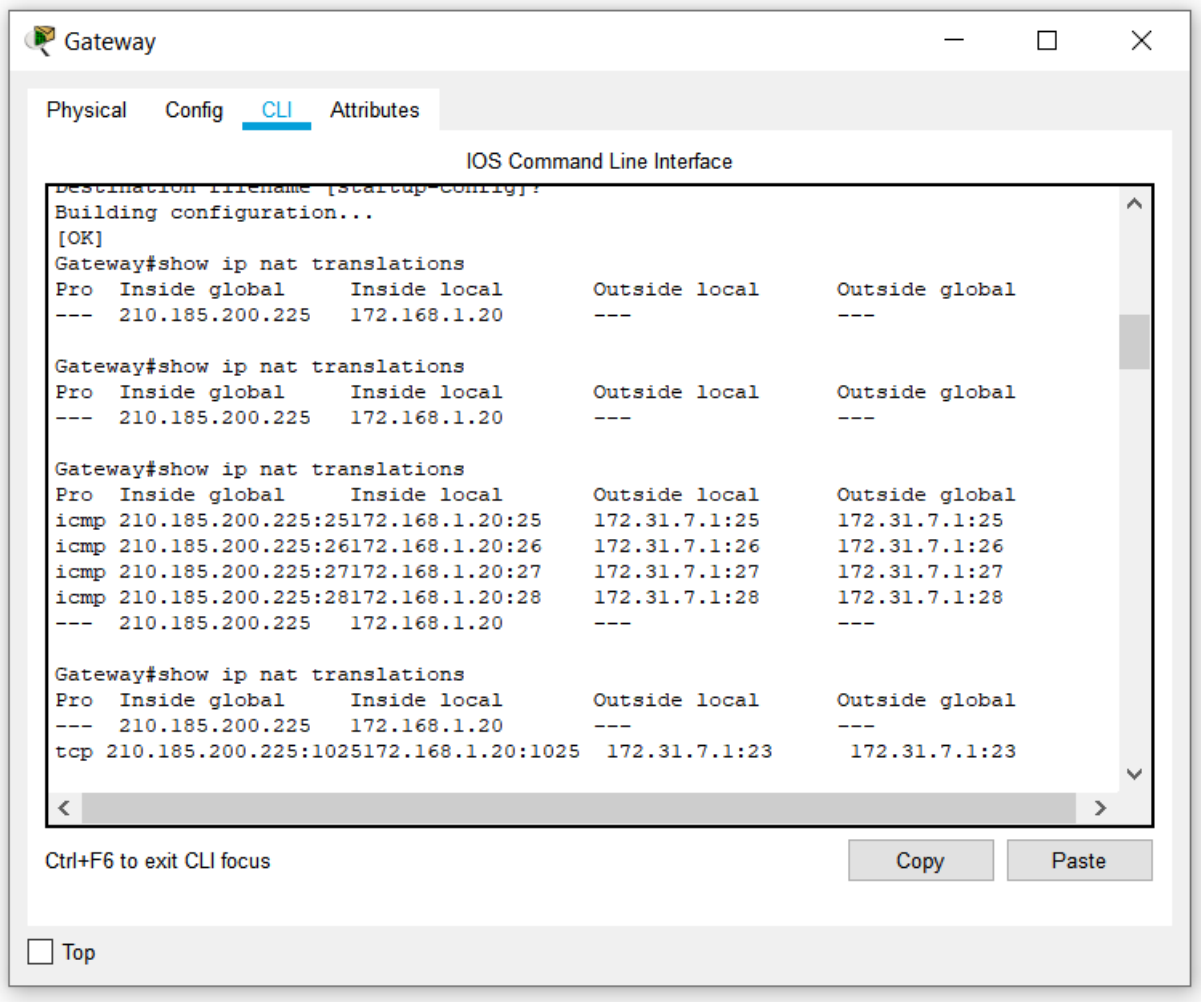




What port number was used in this ICMP exchange?

4 port numbers were used for 4 ICMP exchanges for 4 pings.

They are 25 26 27 28



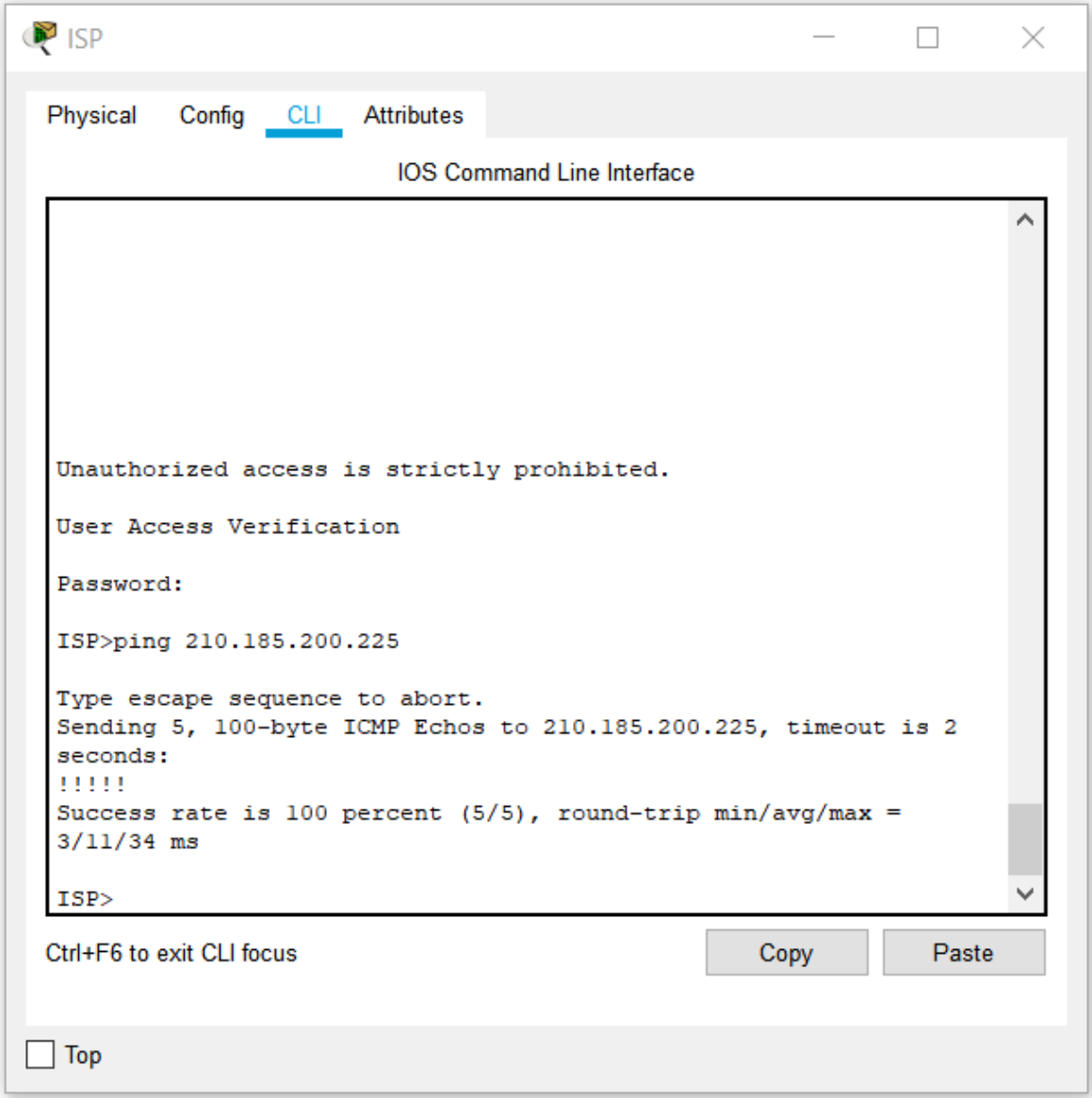
What was the protocol used in this translation?

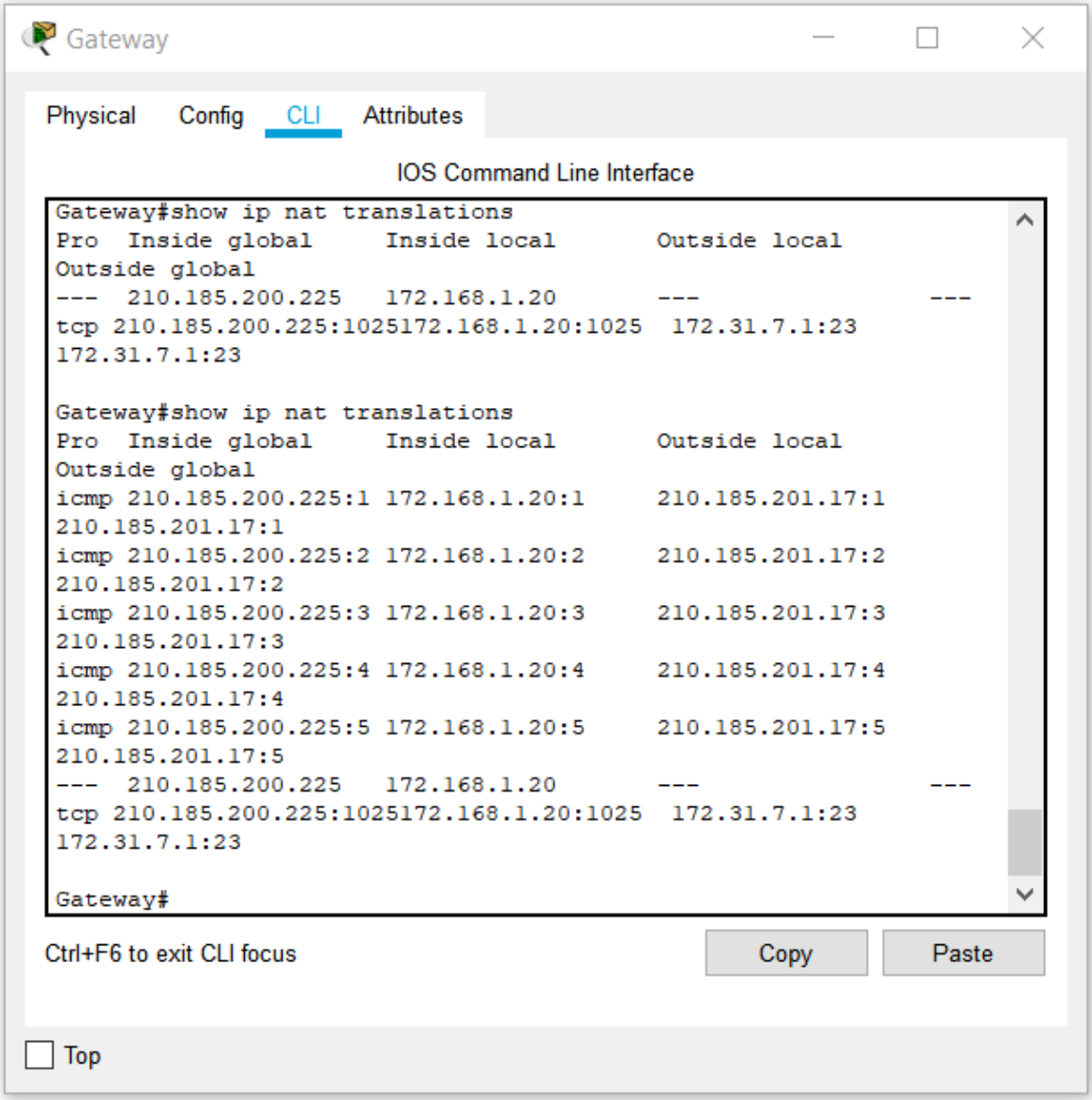
TCP

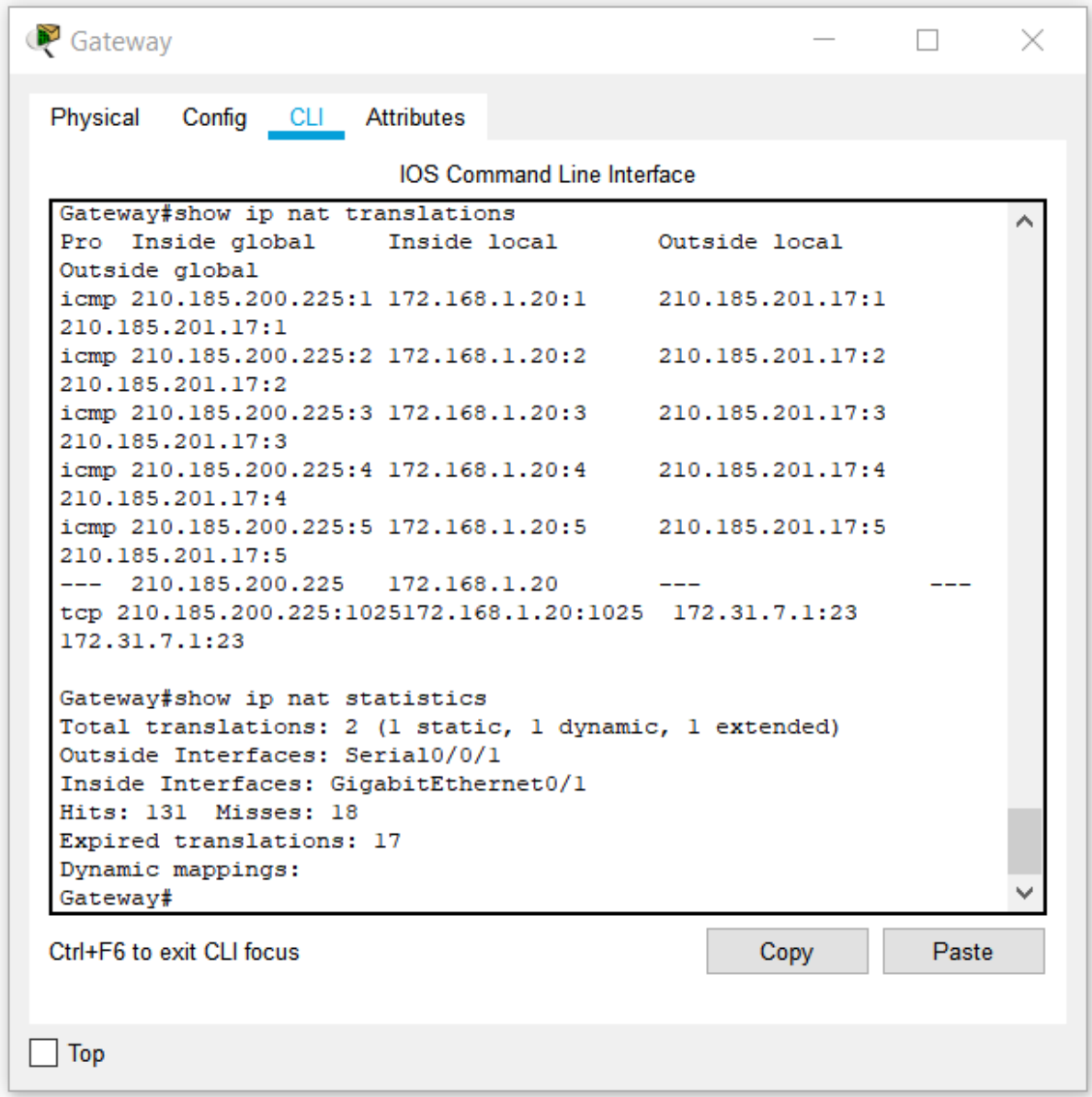
What are the port numbers used?

Inside global / local: 1025

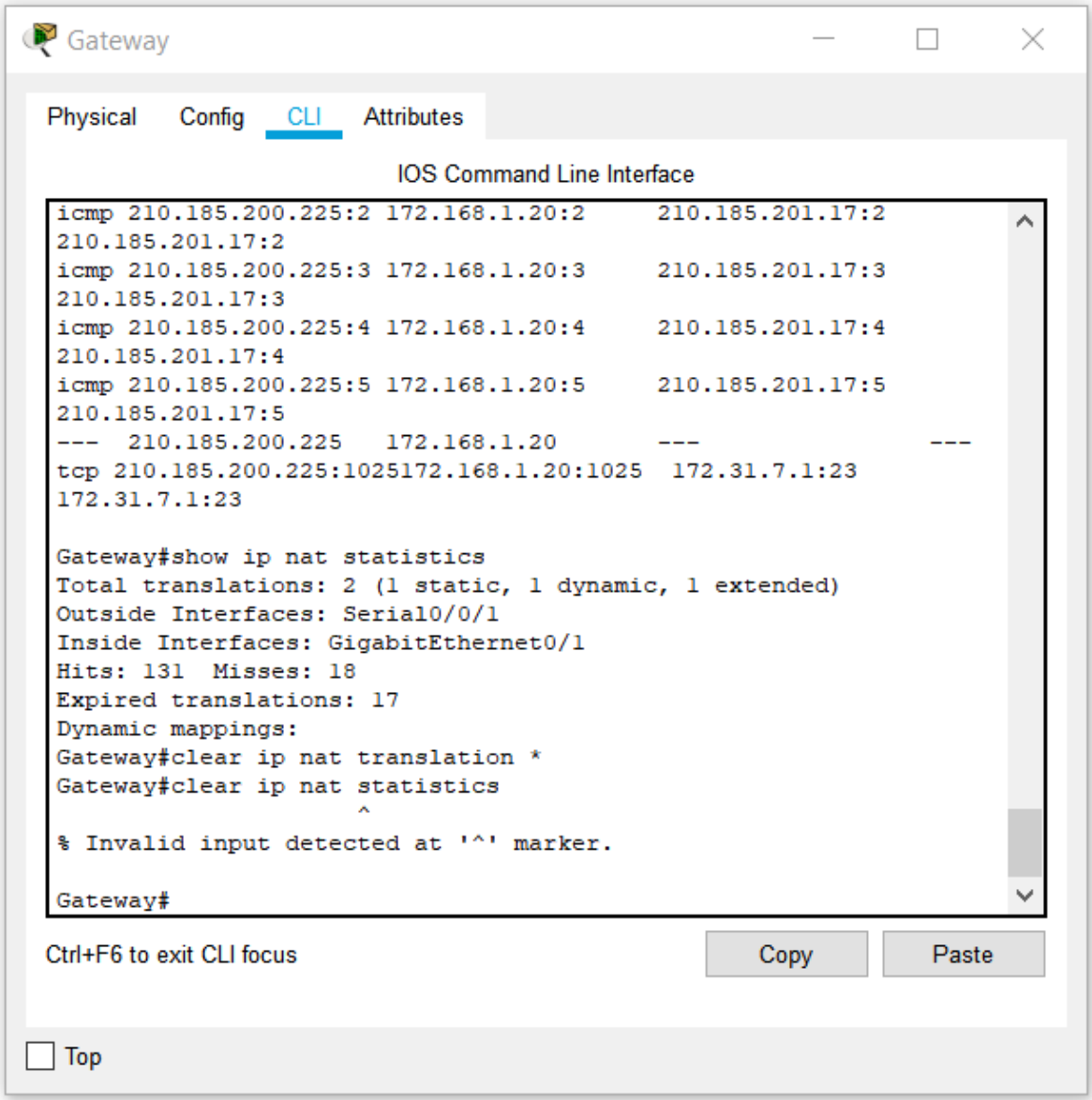
Outside global / local: 23

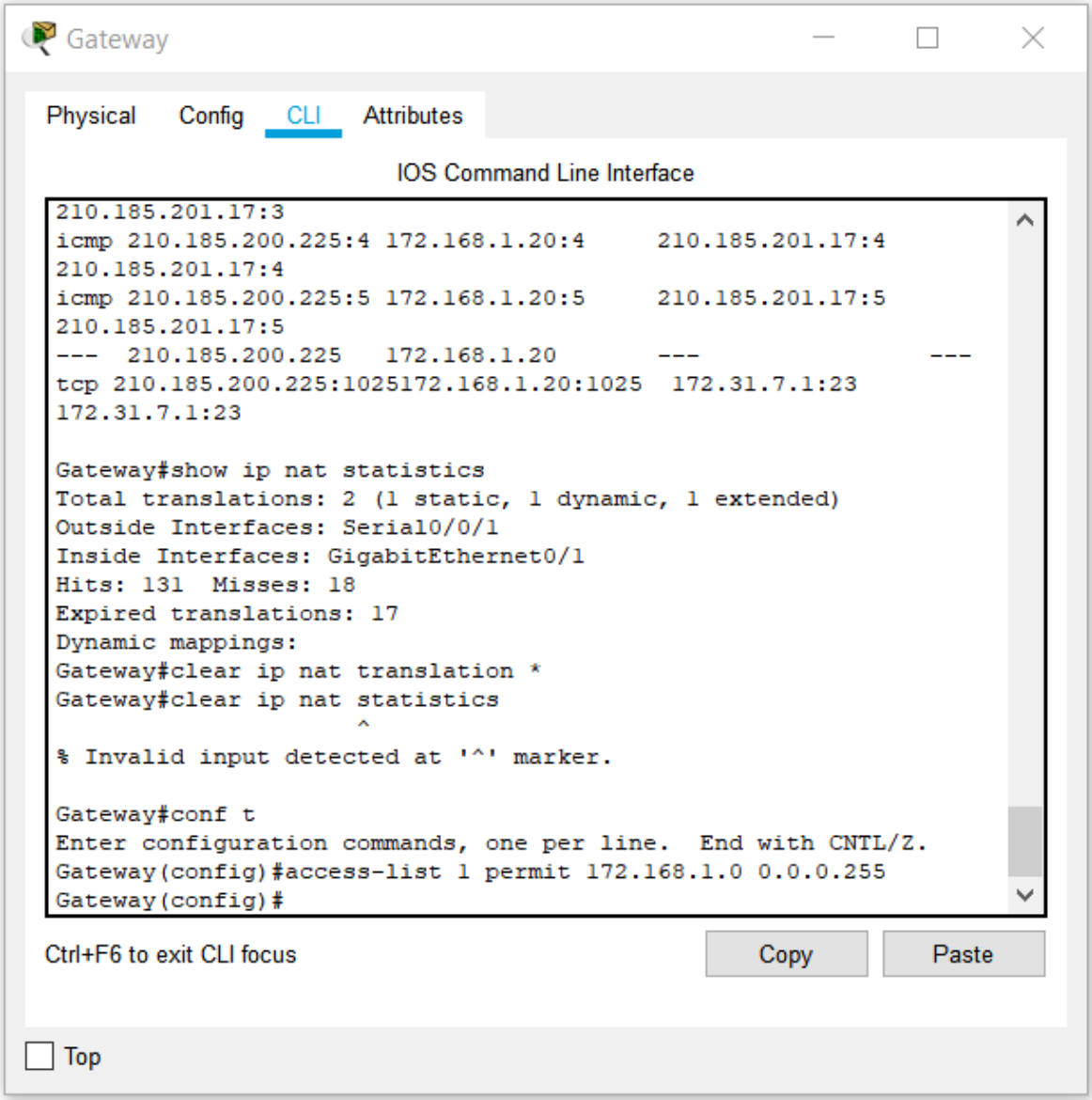

ISP
Physical
Config
CLI
Attributes
IOS Command Line Interface
Unauthorized access is strictly prohibited.
User Access Verification
Password:
ISP>ping 210.185.200.225
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 210.185.200.225, timeout is 2
seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max =
3/11/34 ms
ISP>
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

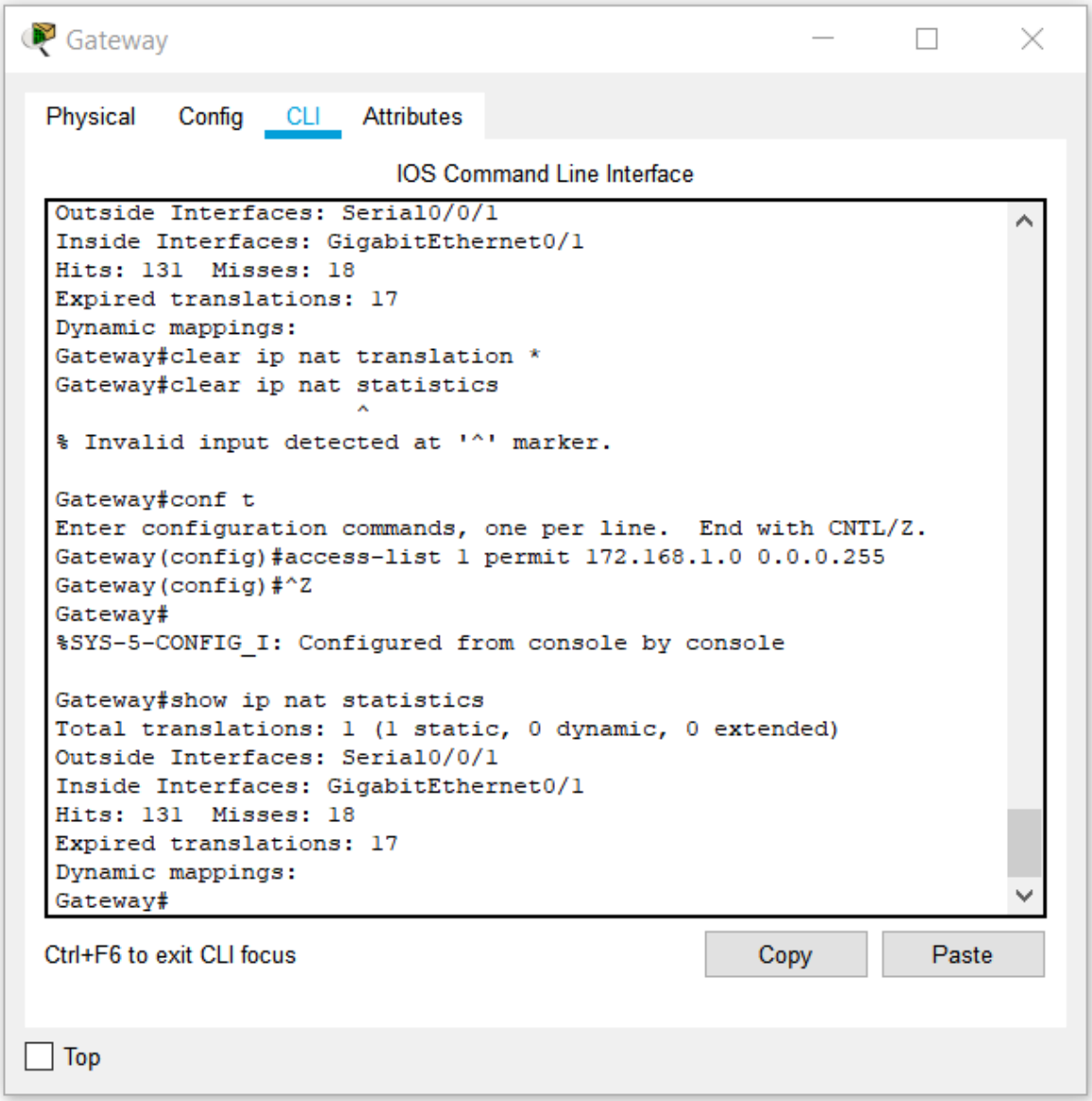

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway#show ip nat translations
Pro Inside global Inside local Outside local
Outside global
--- 210.185.200.225 172.168.1.20 --- ---
tcp 210.185.200.225:1025172.168.1.20:1025 172.31.7.1:23
172.31.7.1:23
Gateway#show ip nat translations
Pro Inside global Inside local Outside local
Outside global
icmp 210.185.200.225:1 172.168.1.20:1 210.185.201.17:1
210.185.201.17:1
icmp 210.185.200.225:2 172.168.1.20:2 210.185.201.17:2
210.185.201.17:2
icmp 210.185.200.225:3 172.168.1.20:3 210.185.201.17:3
210.185.201.17:3
icmp 210.185.200.225:4 172.168.1.20:4 210.185.201.17:4
210.185.201.17:4
icmp 210.185.200.225:5 172.168.1.20:5 210.185.201.17:5
210.185.201.17:5
--- 210.185.200.225 172.168.1.20 --- ---
tcp 210.185.200.225:1025172.168.1.20:1025 172.31.7.1:23
172.31.7.1:23
Gateway#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

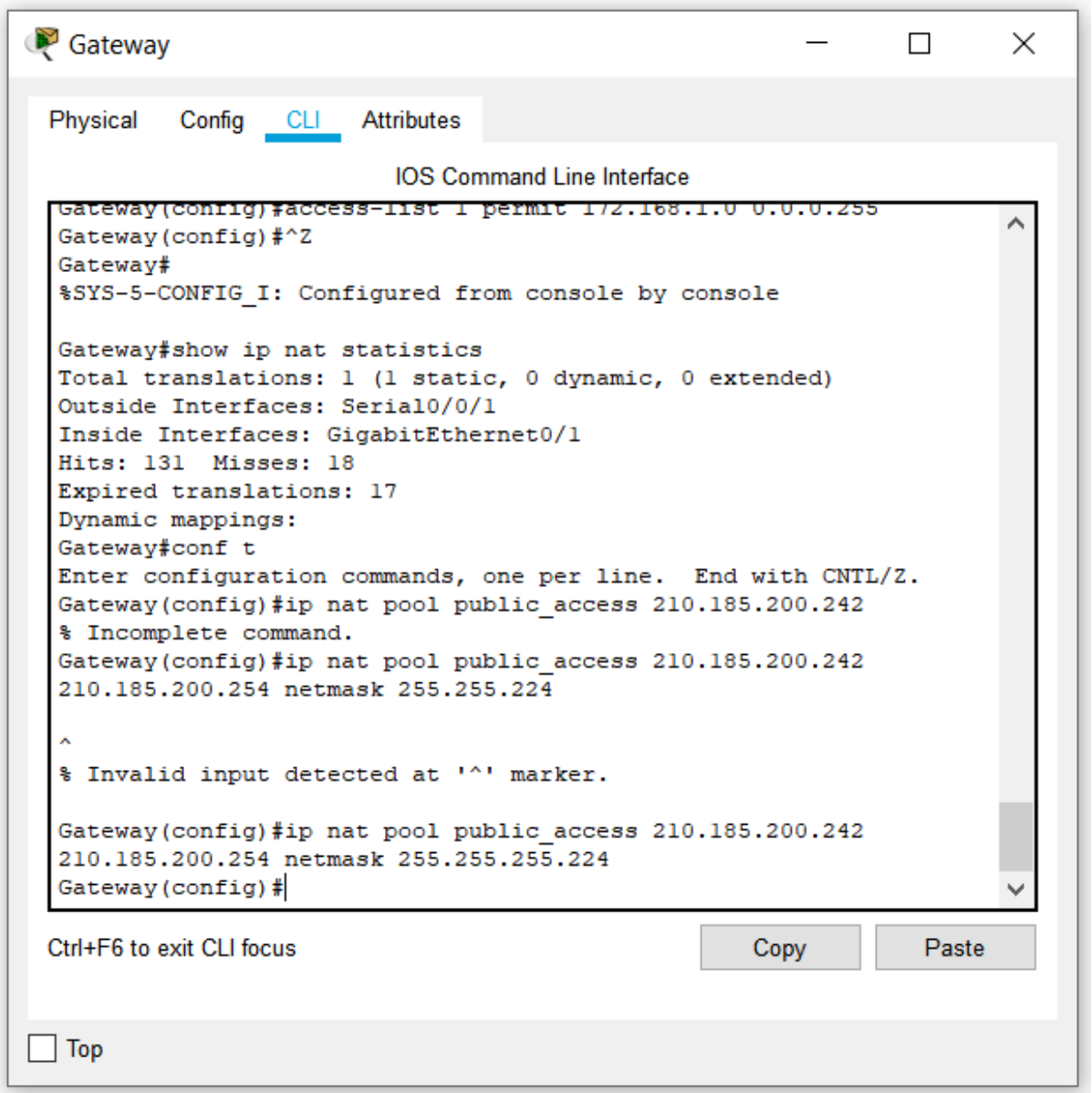

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway#show ip nat translations
Pro Inside global Inside local Outside local
Outside global
icmp 210.185.200.225:1 172.168.1.20:1 210.185.201.17:1
210.185.201.17:1
icmp 210.185.200.225:2 172.168.1.20:2 210.185.201.17:2
210.185.201.17:2
icmp 210.185.200.225:3 172.168.1.20:3 210.185.201.17:3
210.185.201.17:3
icmp 210.185.200.225:4 172.168.1.20:4 210.185.201.17:4
210.185.201.17:4
icmp 210.185.200.225:5 172.168.1.20:5 210.185.201.17:5
210.185.201.17:5
--- 210.185.200.225 172.168.1.20 --- ---
tcp 210.185.200.225:1025172.168.1.20:1025 172.31.7.1:23
172.31.7.1:23
Gateway#show ip nat statistics
Total translations: 2 (1 static, 1 dynamic, 1 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 131 Misses: 18
Expired translations: 17
Dynamic mappings:
Gateway#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

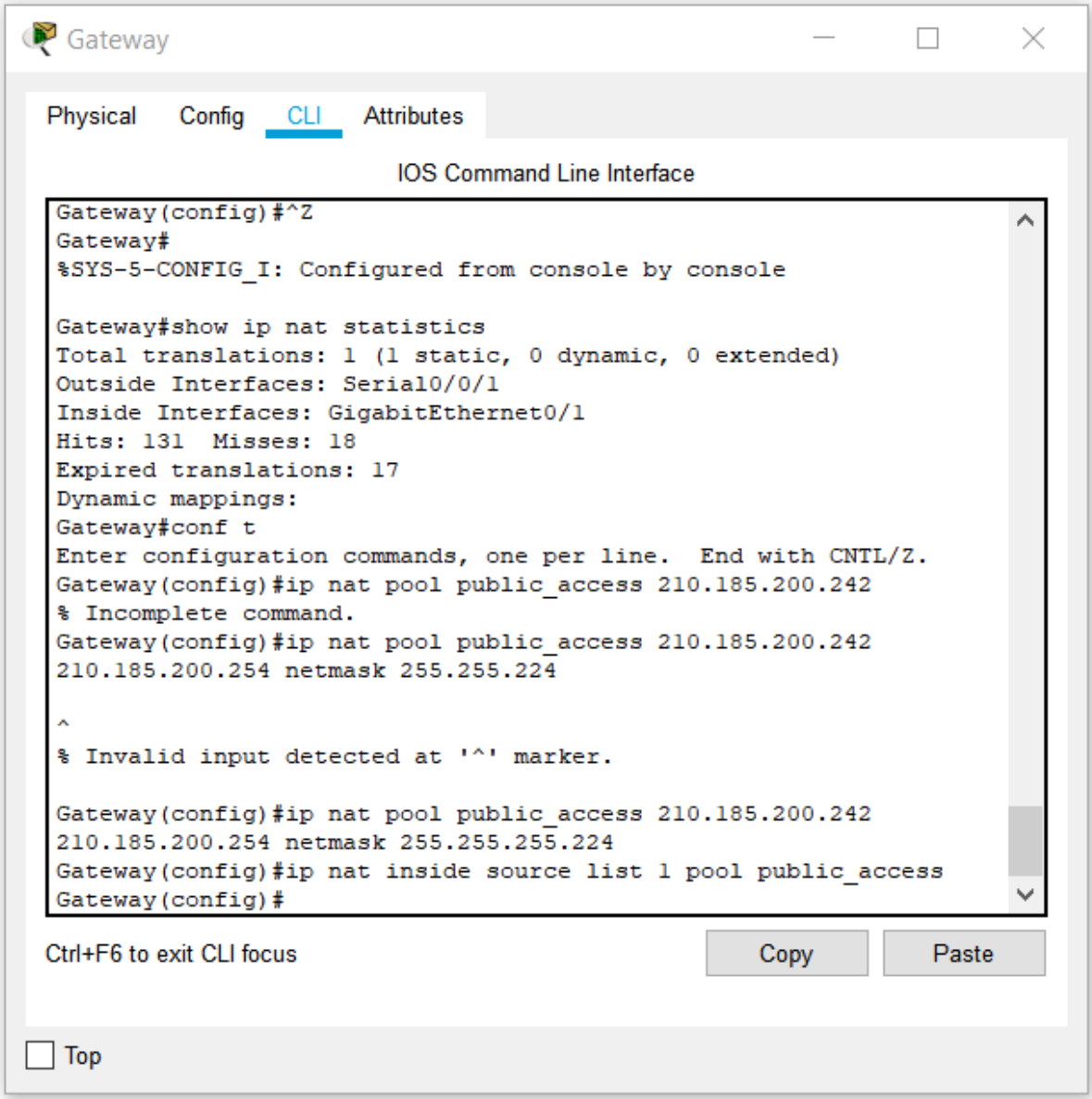
Task 3:

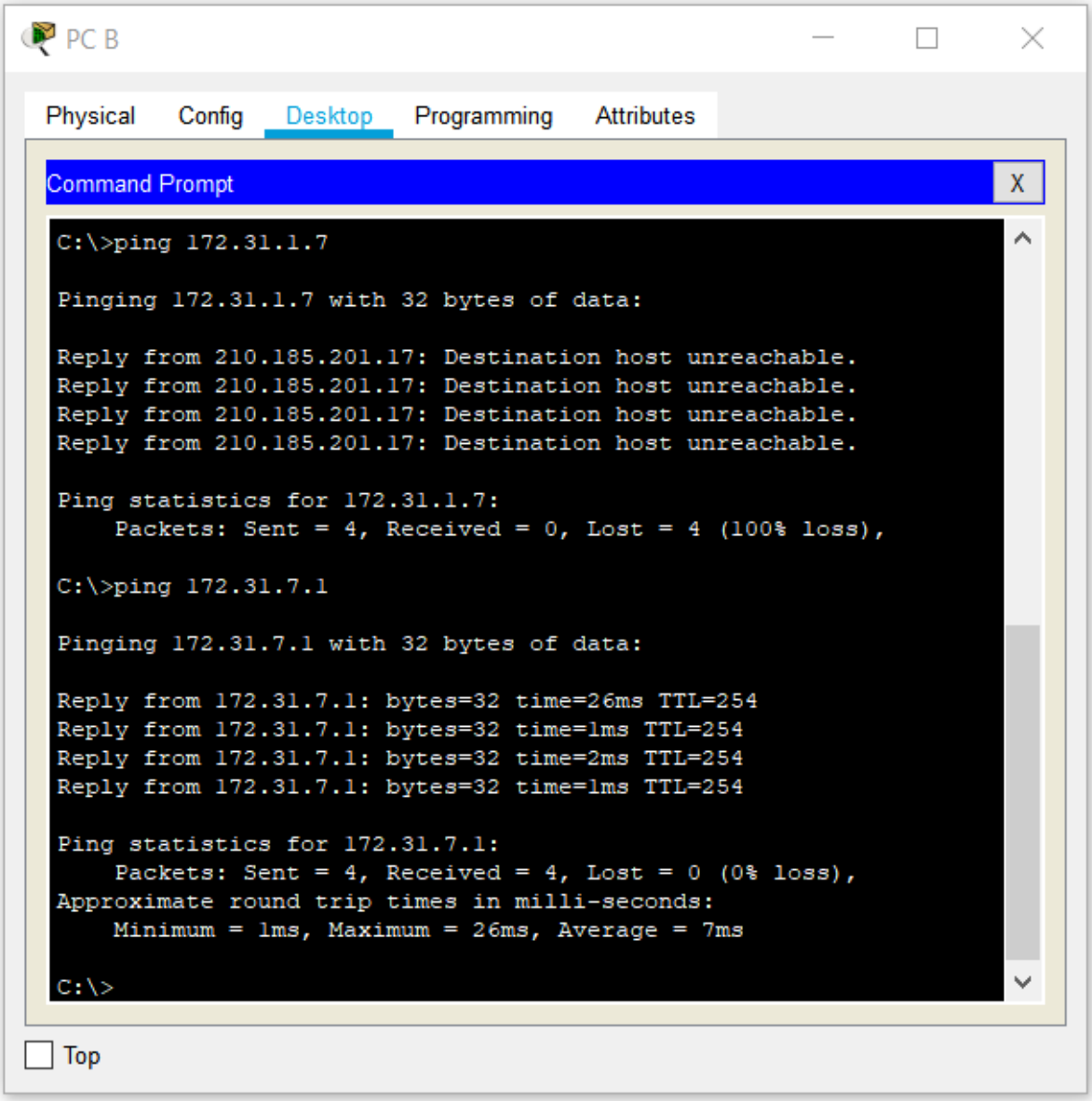

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
icmp 210.185.200.225:2 172.168.1.20:2 210.185.201.17:2
210.185.201.17:2
icmp 210.185.200.225:3 172.168.1.20:3 210.185.201.17:3
210.185.201.17:3
icmp 210.185.200.225:4 172.168.1.20:4 210.185.201.17:4
210.185.201.17:4
icmp 210.185.200.225:5 172.168.1.20:5 210.185.201.17:5
210.185.201.17:5
--- 210.185.200.225 172.168.1.20 --- ---
tcp 210.185.200.225:1025172.168.1.20:1025 172.31.7.1:23
172.31.7.1:23
Gateway#show ip nat statistics
Total translations: 2 (1 static, 1 dynamic, 1 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 131 Misses: 18
Expired translations: 17
Dynamic mappings:
Gateway#clear ip nat translation *
Gateway#clear ip nat statistics
^
% Invalid input detected at '^' marker.
Gateway#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

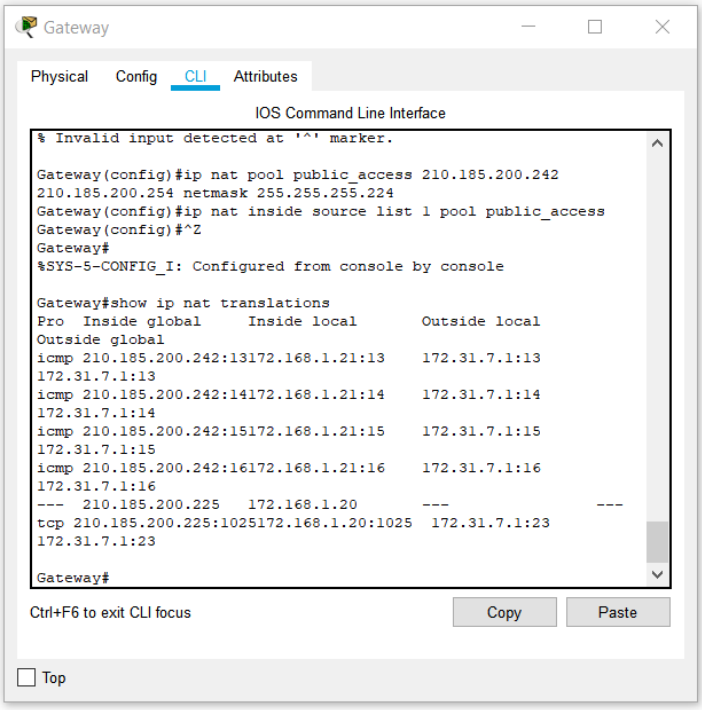

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
210.185.201.17:3
icmp 210.185.200.225:4 172.168.1.20:4 210.185.201.17:4
210.185.201.17:4
icmp 210.185.200.225:5 172.168.1.20:5 210.185.201.17:5
210.185.201.17:5
--- 210.185.200.225 172.168.1.20 --- ---
tcp 210.185.200.225:1025172.168.1.20:1025 172.31.7.1:23
172.31.7.1:23
Gateway#show ip nat statistics
Total translations: 2 (1 static, 1 dynamic, 1 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 131 Misses: 18
Expired translations: 17
Dynamic mappings:
Gateway#clear ip nat translation *
Gateway#clear ip nat statistics
^
% Invalid input detected at '^' marker.
Gateway#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#access-list 1 permit 172.168.1.0 0.0.0.255
Gateway(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

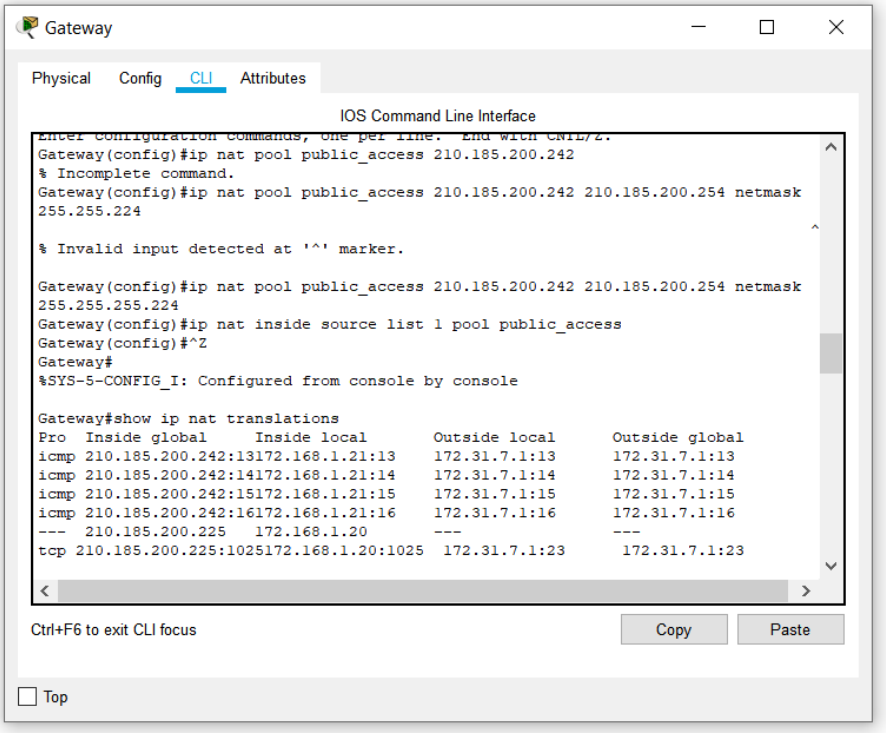

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 131 Misses: 18
Expired translations: 17
Dynamic mappings:
Gateway#clear ip nat translation *
Gateway#clear ip nat statistics
^
% Invalid input detected at '^' marker.
Gateway#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#access-list 1 permit 172.168.1.0 0.0.0.255
Gateway(config)#^Z
Gateway#
%SYS-5-CONFIG_I: Configured from console by console
Gateway#show ip nat statistics
Total translations: 1 (1 static, 0 dynamic, 0 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 131 Misses: 18
Expired translations: 17
Dynamic mappings:
Gateway#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway(config)#access-list 1 permit 172.168.1.0 0.0.0.255
Gateway(config)#^Z
Gateway#
%SYS-5-CONFIG_I: Configured from console by console
Gateway#show ip nat statistics
Total translations: 1 (1 static, 0 dynamic, 0 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 131 Misses: 18
Expired translations: 17
Dynamic mappings:
Gateway#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#ip nat pool public_access 210.185.200.242
% Incomplete command.
Gateway(config)#ip nat pool public_access 210.185.200.242
210.185.200.254 netmask 255.255.224
^
% Invalid input detected at '^' marker.
Gateway(config)#ip nat pool public_access 210.185.200.242
210.185.200.254 netmask 255.255.255.224
Gateway(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway(config)#^Z
Gateway#
%SYS-5-CONFIG_I: Configured from console by console
Gateway#show ip nat statistics
Total translations: 1 (1 static, 0 dynamic, 0 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 131 Misses: 18
Expired translations: 17
Dynamic mappings:
Gateway#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#ip nat pool public_access 210.185.200.242
% Incomplete command.
Gateway(config)#ip nat pool public_access 210.185.200.242
210.185.200.254 netmask 255.255.224
^
% Invalid input detected at '^' marker.
Gateway(config)#ip nat pool public_access 210.185.200.242
210.185.200.254 netmask 255.255.255.224
Gateway(config)#ip nat inside source list 1 pool public_access
Gateway(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


PC B
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
C:\>ping 172.31.1.7
Pinging 172.31.1.7 with 32 bytes of data:
Reply from 210.185.201.17: Destination host unreachable.
Reply from 210.185.201.17: Destination host unreachable.
Reply from 210.185.201.17: Destination host unreachable.
Reply from 210.185.201.17: Destination host unreachable.
Ping statistics for 172.31.1.7:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
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=26ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms TTL=254
Reply from 172.31.7.1: bytes=32 time=2ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms 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 = 1ms, Maximum = 26ms, Average = 7ms
C:\>
Top





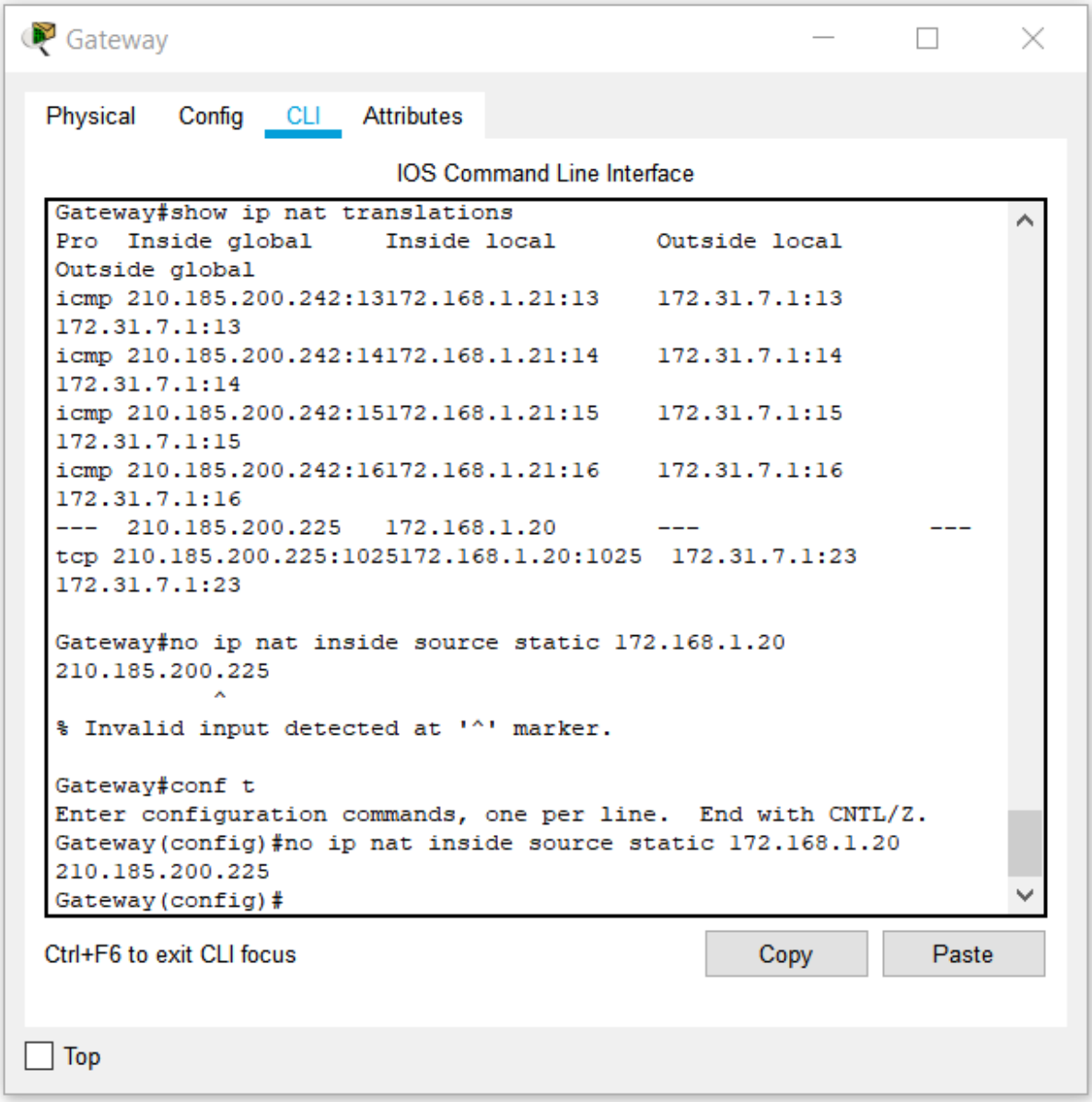
What is the translation of the Inside local host address for PC-B? 192.168.1.21 =

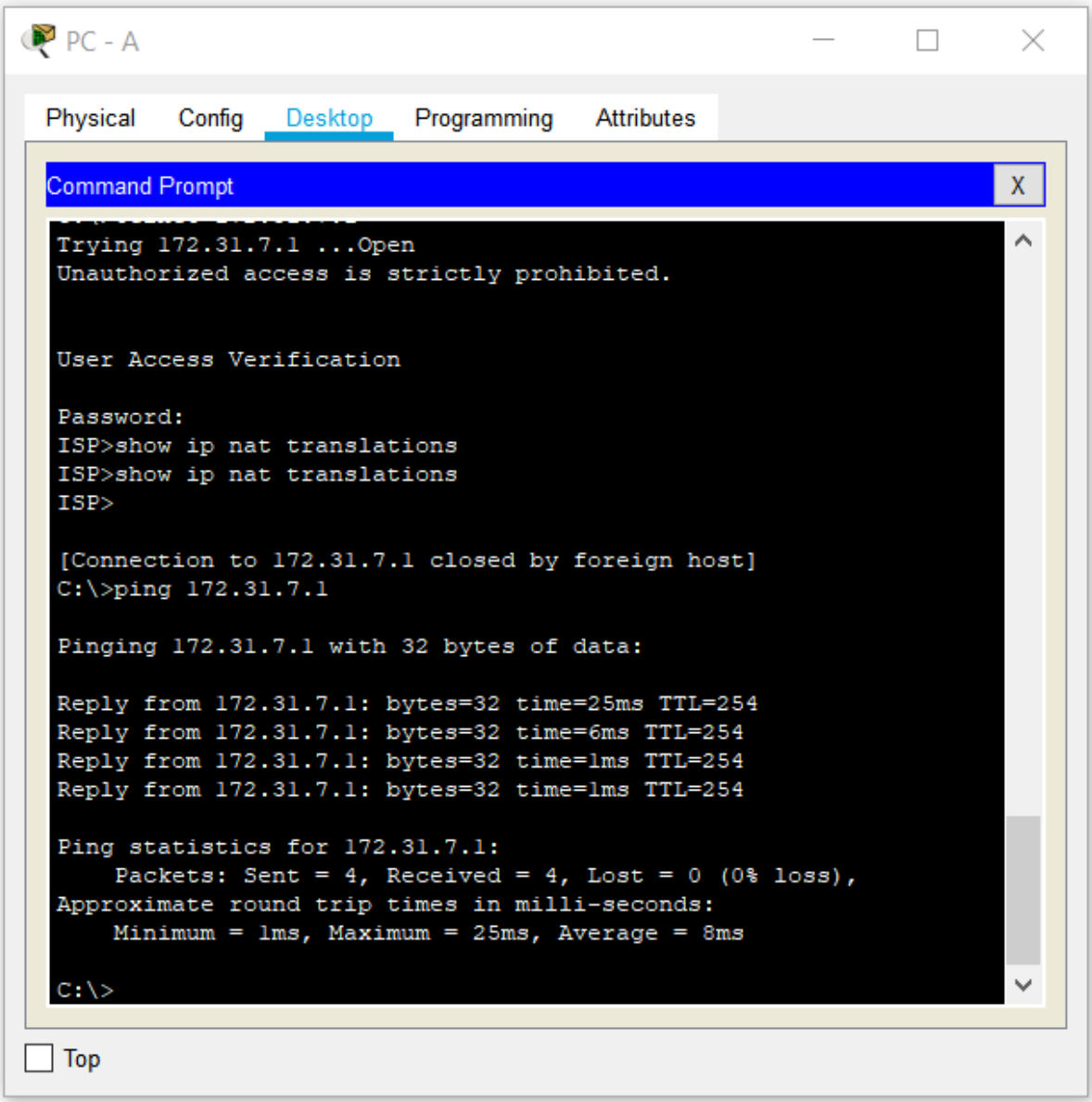
210.183.200.225

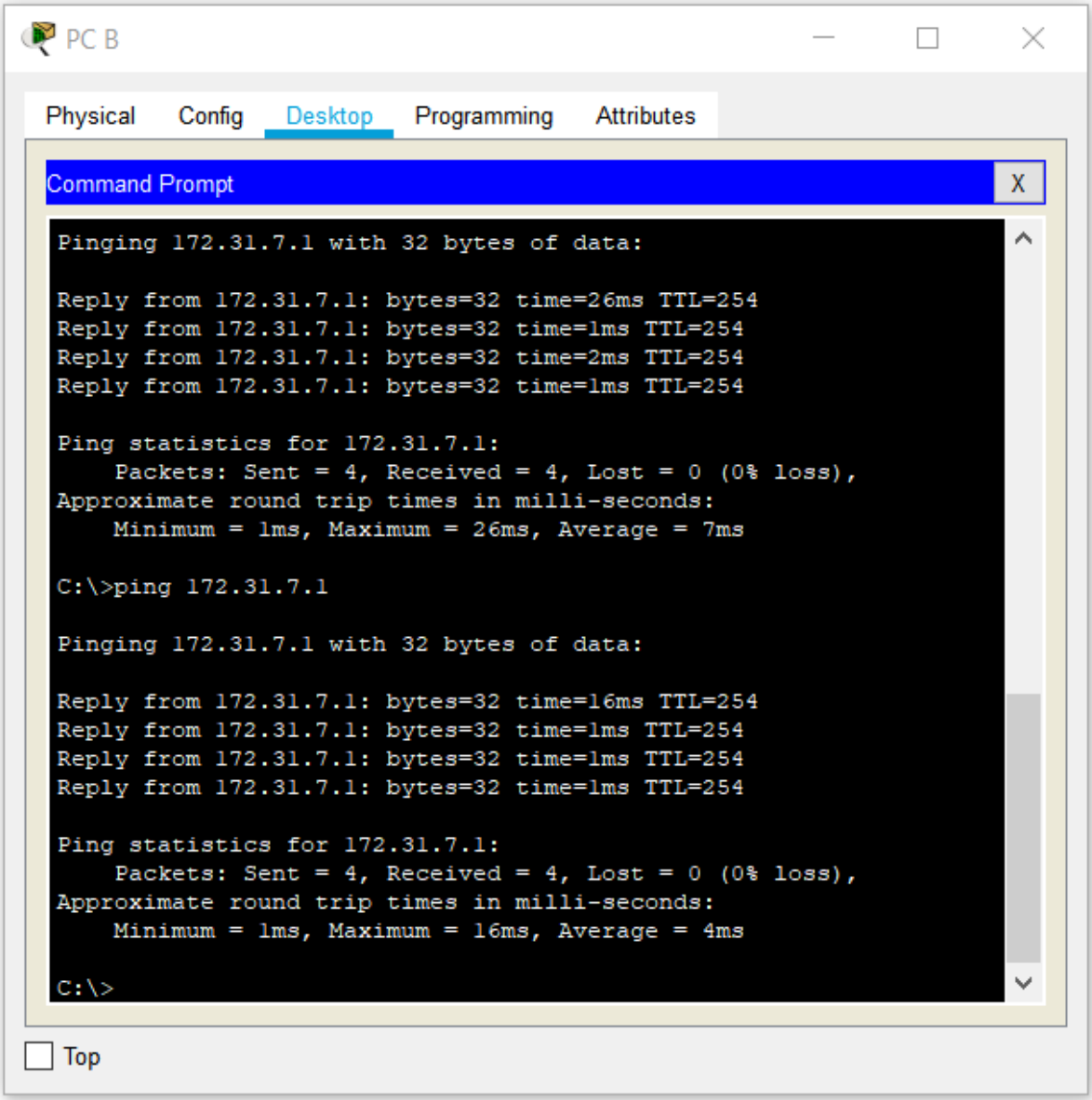
What port number was used in this ICMP exchange?

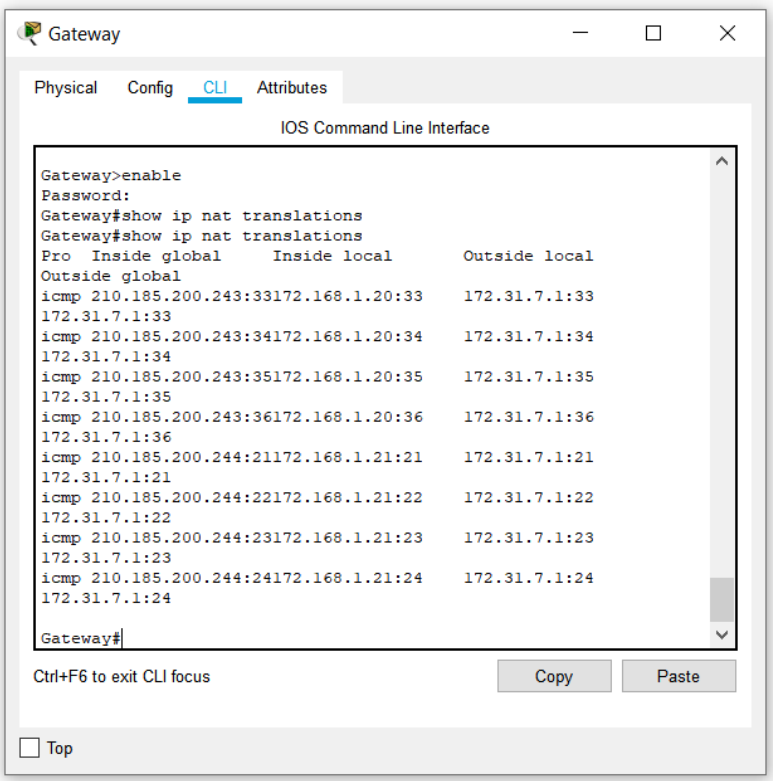
4 port numbers were used for 4 ICMP exchanges for 4 pings.

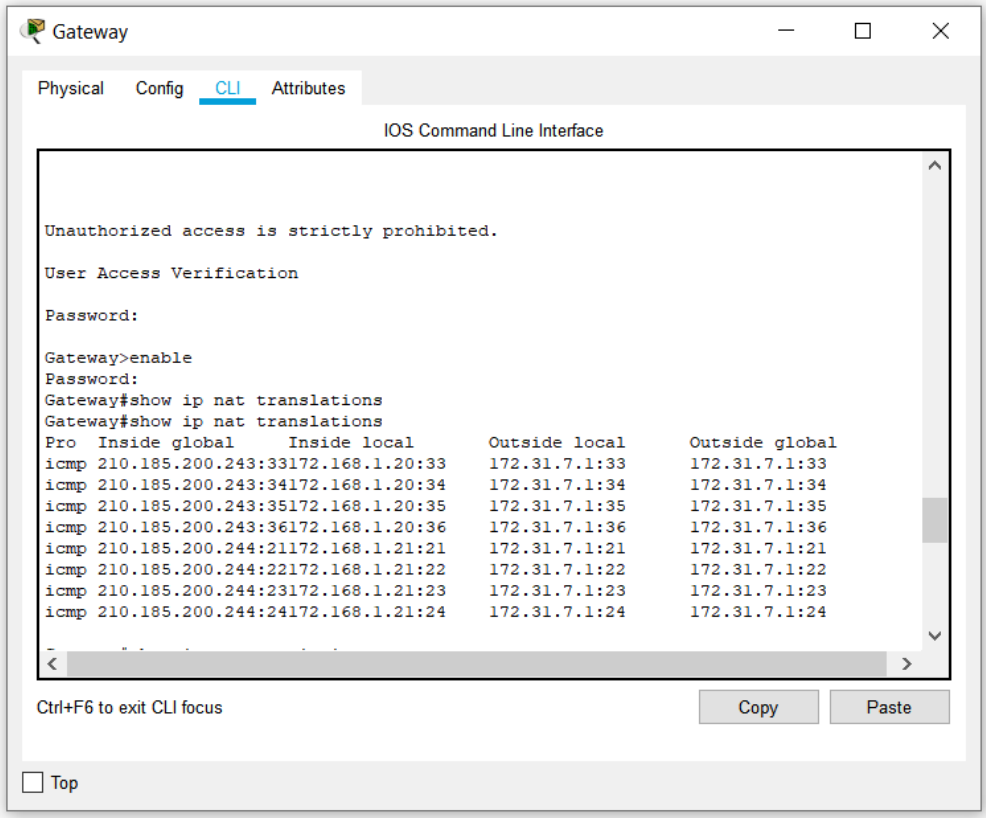
They are 13, 14, 15, 16.

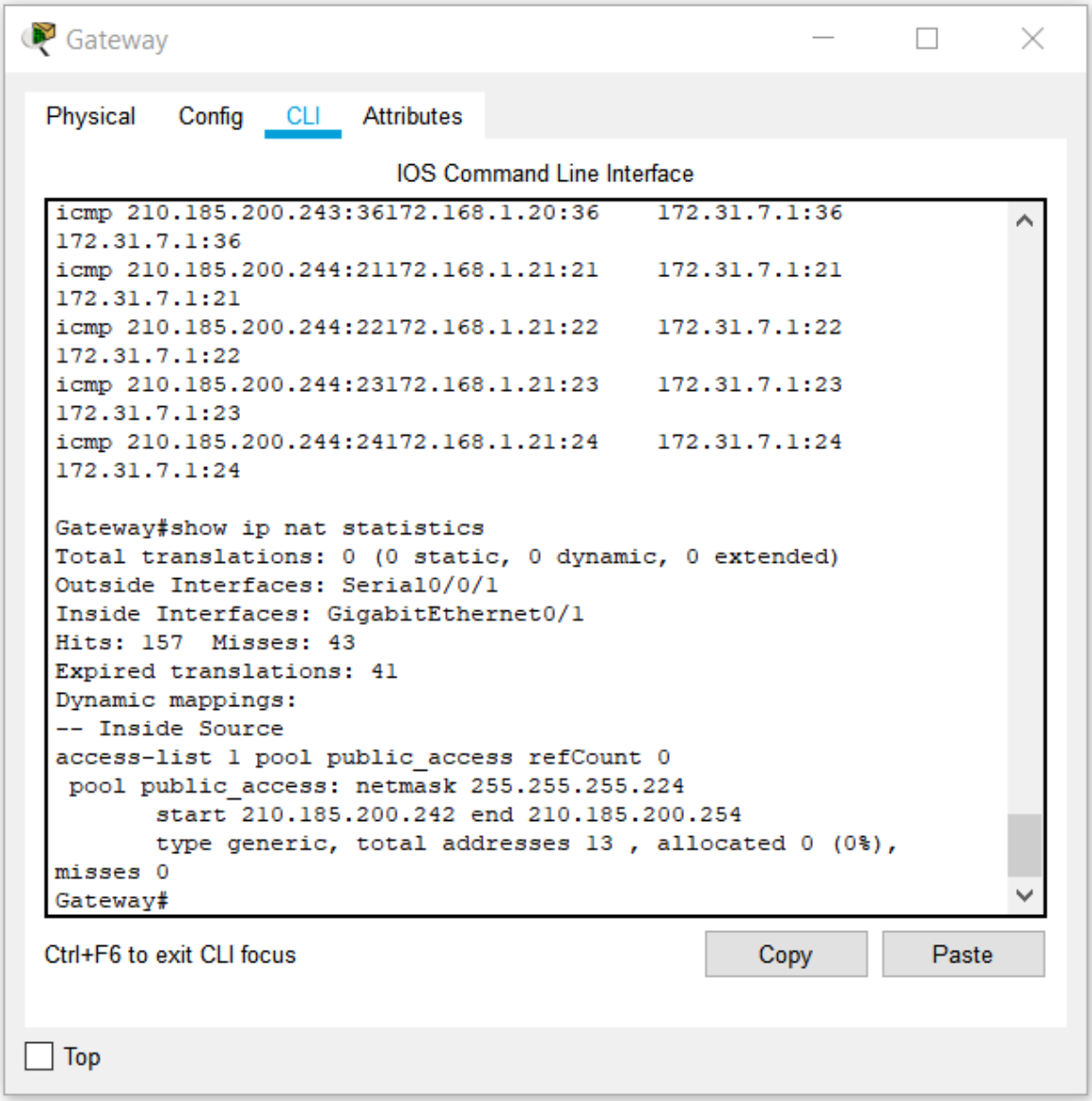

Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway#show ip nat translations
Pro Inside global Inside local Outside local
Outside global
icmp 210.185.200.242:13172.168.1.21:13 172.31.7.1:13
172.31.7.1:13
icmp 210.185.200.242:14172.168.1.21:14 172.31.7.1:14
172.31.7.1:14
icmp 210.185.200.242:15172.168.1.21:15 172.31.7.1:15
172.31.7.1:15
icmp 210.185.200.242:16172.168.1.21:16 172.31.7.1:16
172.31.7.1:16
--- 210.185.200.225 172.168.1.20 --- ---
tcp 210.185.200.225:1025172.168.1.20:1025 172.31.7.1:23
172.31.7.1:23
Gateway#no ip nat inside source static 172.168.1.20
210.185.200.225
^
% Invalid input detected at '^' marker.
Gateway#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Gateway(config)#no ip nat inside source static 172.168.1.20
210.185.200.225
Gateway(config)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


PC - A
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Trying 172.31.7.1 ...Open
Unauthorized access is strictly prohibited.
User Access Verification
Password:
ISP>show ip nat translations
ISP>show ip nat translations
ISP>
[Connection to 172.31.7.1 closed by foreign host]
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=25ms TTL=254
Reply from 172.31.7.1: bytes=32 time=6ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms 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 = 1ms, Maximum = 25ms, Average = 8ms
C:\>
Top


PC B
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Pinging 172.31.7.1 with 32 bytes of data:
Reply from 172.31.7.1: bytes=32 time=26ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms TTL=254
Reply from 172.31.7.1: bytes=32 time=2ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms 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 = 1ms, Maximum = 26ms, Average = 7ms
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=16ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms TTL=254
Reply from 172.31.7.1: bytes=32 time=1ms 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 = 1ms, Maximum = 16ms, Average = 4ms
C:\>
Top


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Gateway>enable
Password:
Gateway#show ip nat translations
Gateway#show ip nat translations
Pro Inside global Inside local Outside local
Outside global
icmp 210.185.200.243:33172.168.1.20:33 172.31.7.1:33
172.31.7.1:33
icmp 210.185.200.243:34172.168.1.20:34 172.31.7.1:34
172.31.7.1:34
icmp 210.185.200.243:35172.168.1.20:35 172.31.7.1:35
172.31.7.1:35
icmp 210.185.200.243:36172.168.1.20:36 172.31.7.1:36
172.31.7.1:36
icmp 210.185.200.244:21172.168.1.21:21 172.31.7.1:21
172.31.7.1:21
icmp 210.185.200.244:22172.168.1.21:22 172.31.7.1:22
172.31.7.1:22
icmp 210.185.200.244:23172.168.1.21:23 172.31.7.1:23
172.31.7.1:23
icmp 210.185.200.244:24172.168.1.21:24 172.31.7.1:24
172.31.7.1:24
Gateway#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
Unauthorized access is strictly prohibited.
User Access Verification
Password:
Gateway>enable
Password:
Gateway#show ip nat translations
Gateway#show ip nat translations
Pro Inside global Inside local Outside local Outside global
icmp 210.185.200.243:33172.168.1.20:33 172.31.7.1:33 172.31.7.1:33
icmp 210.185.200.243:34172.168.1.20:34 172.31.7.1:34 172.31.7.1:34
icmp 210.185.200.243:35172.168.1.20:35 172.31.7.1:35 172.31.7.1:35
icmp 210.185.200.243:36172.168.1.20:36 172.31.7.1:36 172.31.7.1:36
icmp 210.185.200.244:21172.168.1.21:21 172.31.7.1:21 172.31.7.1:21
icmp 210.185.200.244:22172.168.1.21:22 172.31.7.1:22 172.31.7.1:22
icmp 210.185.200.244:23172.168.1.21:23 172.31.7.1:23 172.31.7.1:23
icmp 210.185.200.244:24172.168.1.21:24 172.31.7.1:24 172.31.7.1:24
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


Gateway
Physical
Config
CLI
Attributes
IOS Command Line Interface
icmp 210.185.200.243:36172.168.1.20:36 172.31.7.1:36
172.31.7.1:36
icmp 210.185.200.244:21172.168.1.21:21 172.31.7.1:21
172.31.7.1:21
icmp 210.185.200.244:22172.168.1.21:22 172.31.7.1:22
172.31.7.1:22
icmp 210.185.200.244:23172.168.1.21:23 172.31.7.1:23
172.31.7.1:23
icmp 210.185.200.244:24172.168.1.21:24 172.31.7.1:24
172.31.7.1:24
Gateway#show ip nat statistics
Total translations: 0 (0 static, 0 dynamic, 0 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: GigabitEthernet0/1
Hits: 157 Misses: 43
Expired translations: 41
Dynamic mappings:
-- Inside Source
access-list 1 pool public_access refCount 0
pool public_access: netmask 255.255.255.224
start 210.185.200.242 end 210.185.200.254
type generic, total addresses 13 , allocated 0 (0%),
misses 0
Gateway#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top