**DCCN ISE 2**

**Group: 3**

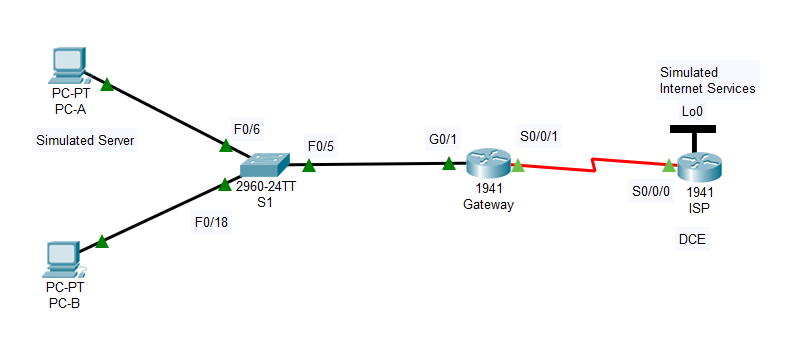
**Prathamesh Bagekari - 2018130002**

**Akshat Bhat - 2018130003**

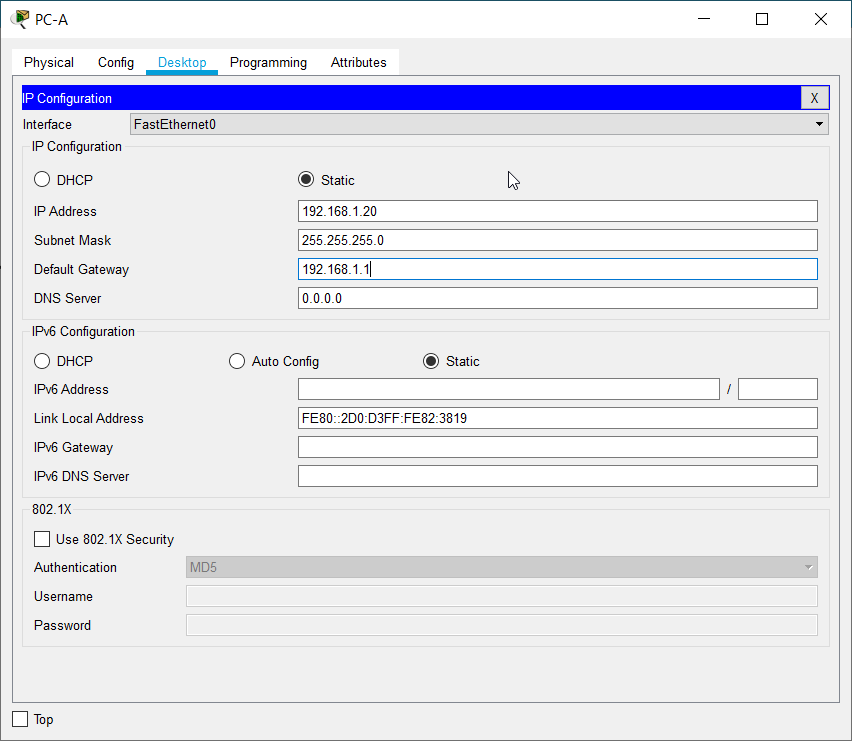
**Arka Haldi - 2018130014**

**TASK 1:**

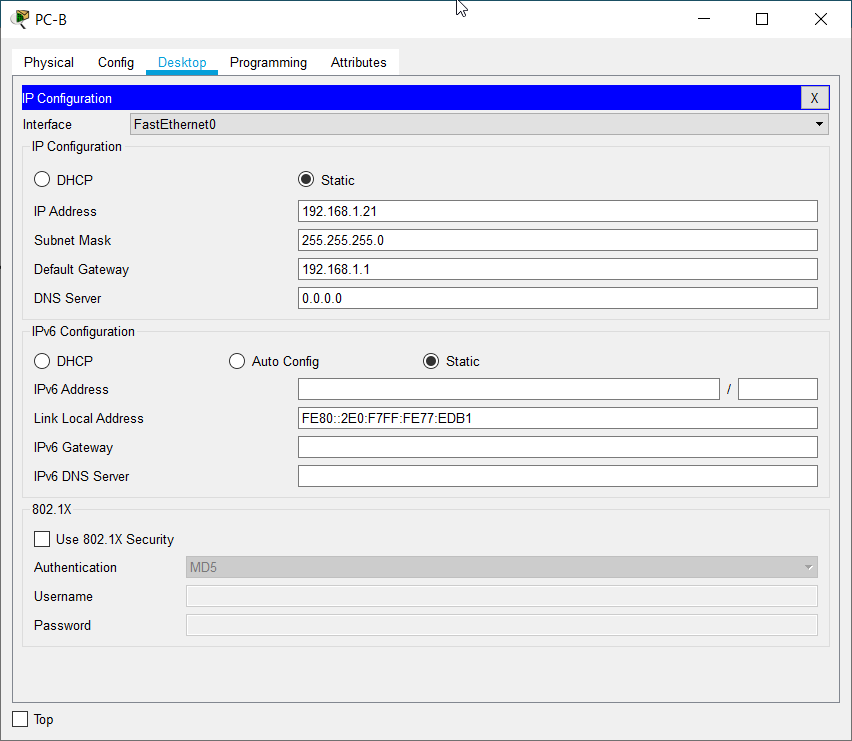
**Network Topology**

****

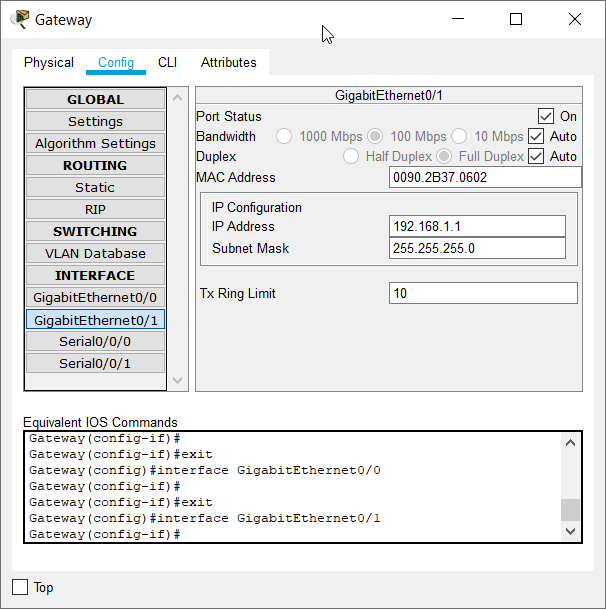
**PC-A config**

****

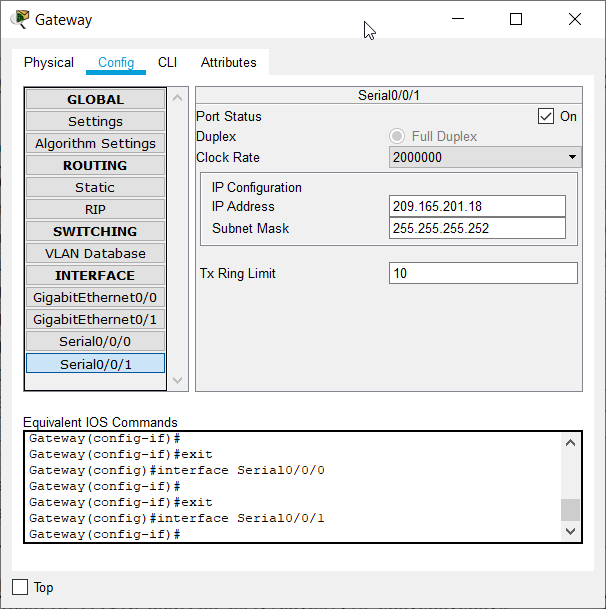
**PC-B config**

****

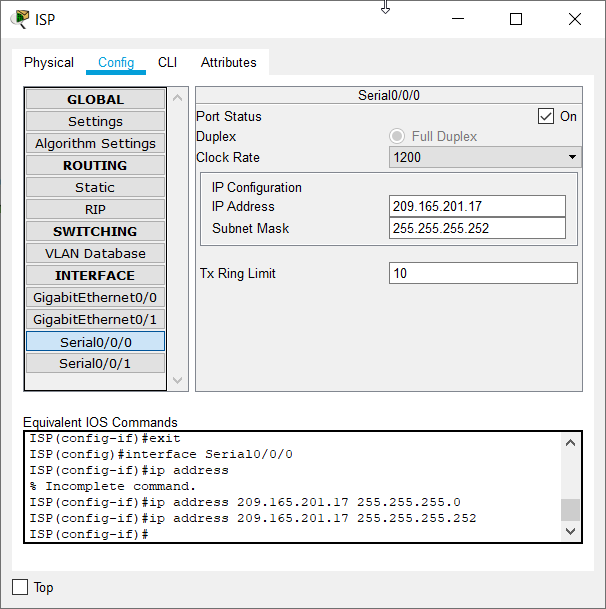
**Gateway g0/0 config**

****

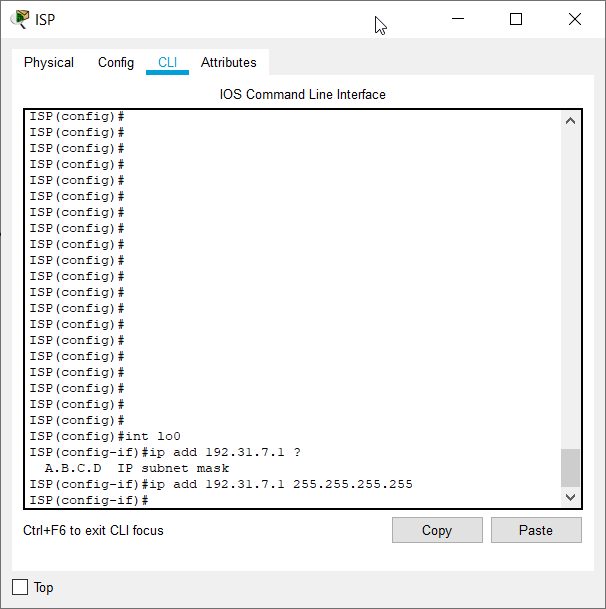
**Gateway s0/0/1**

****

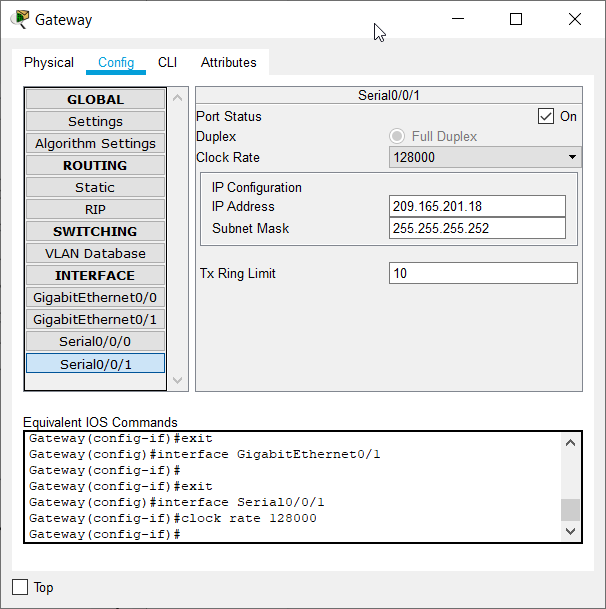
**ISP serial 0/0/0 config**

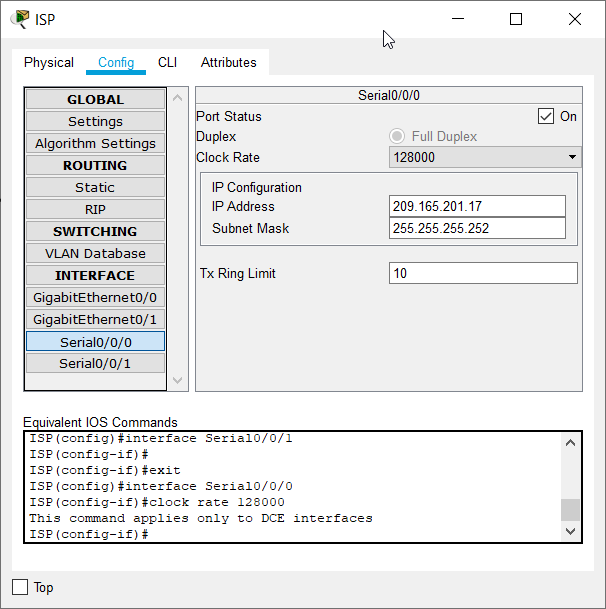
****

**ISP lo0 config**

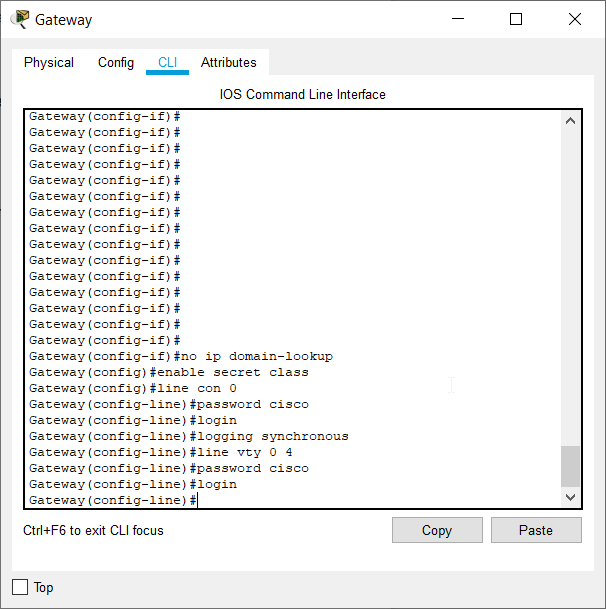
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**Select right click rate for Routers**

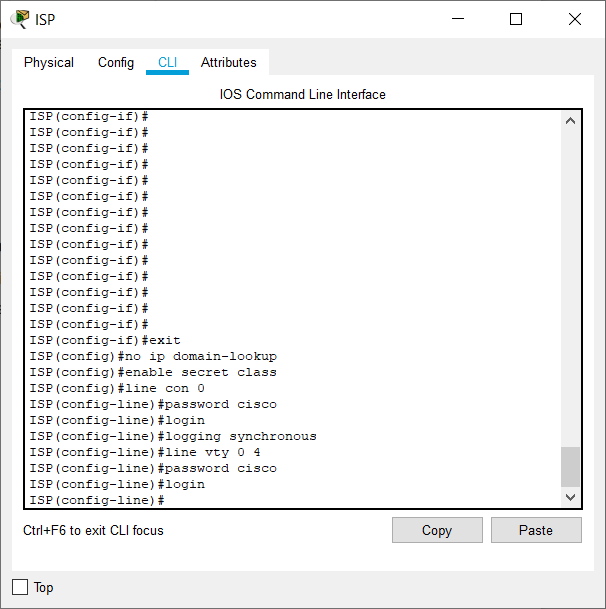
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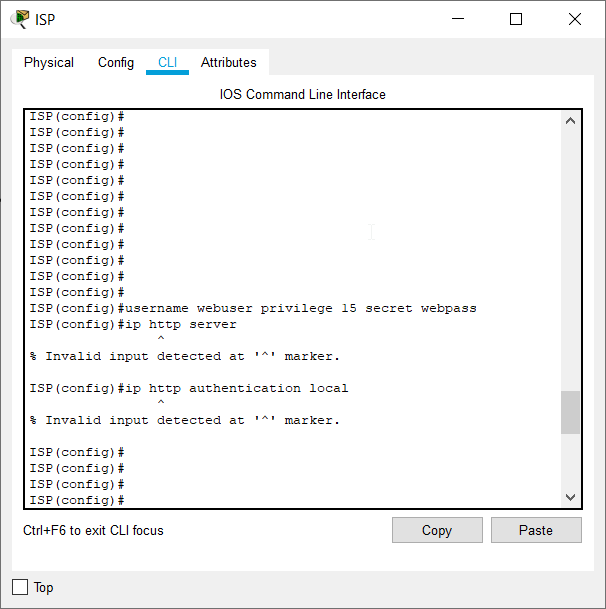
**Gateway config**

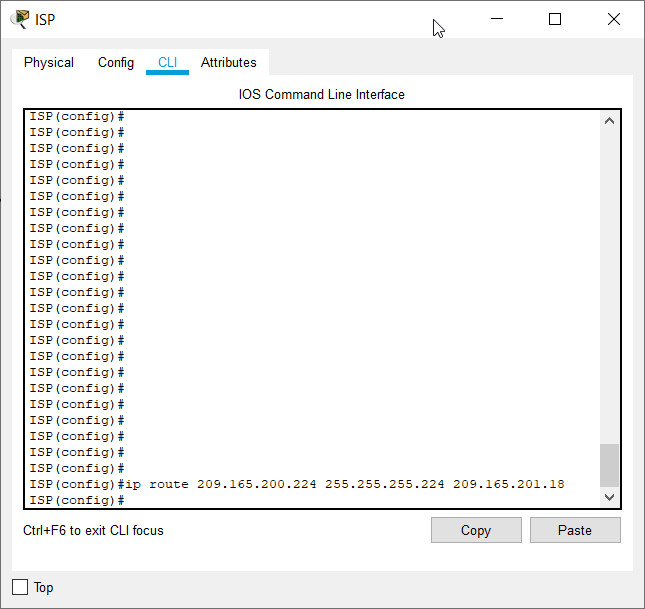
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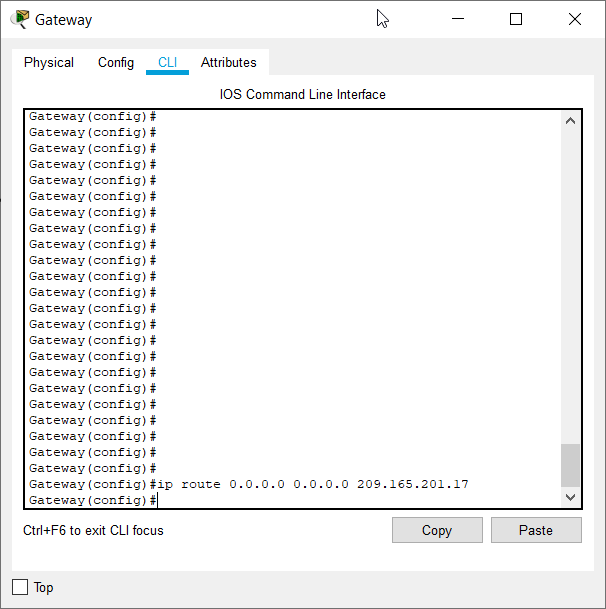
**ISP config**

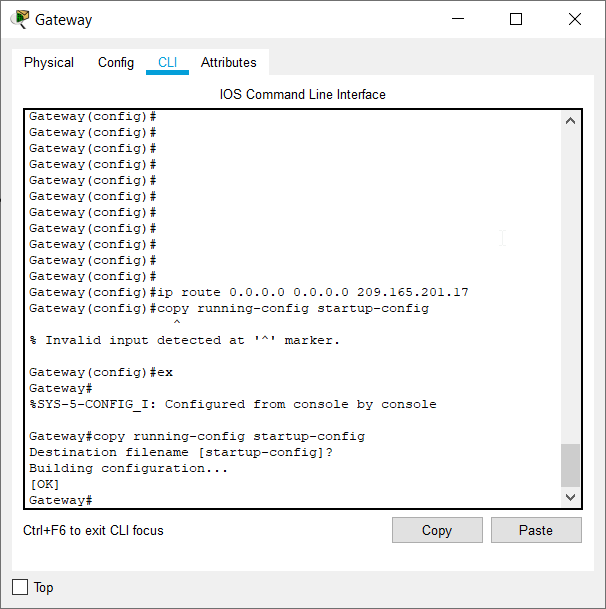
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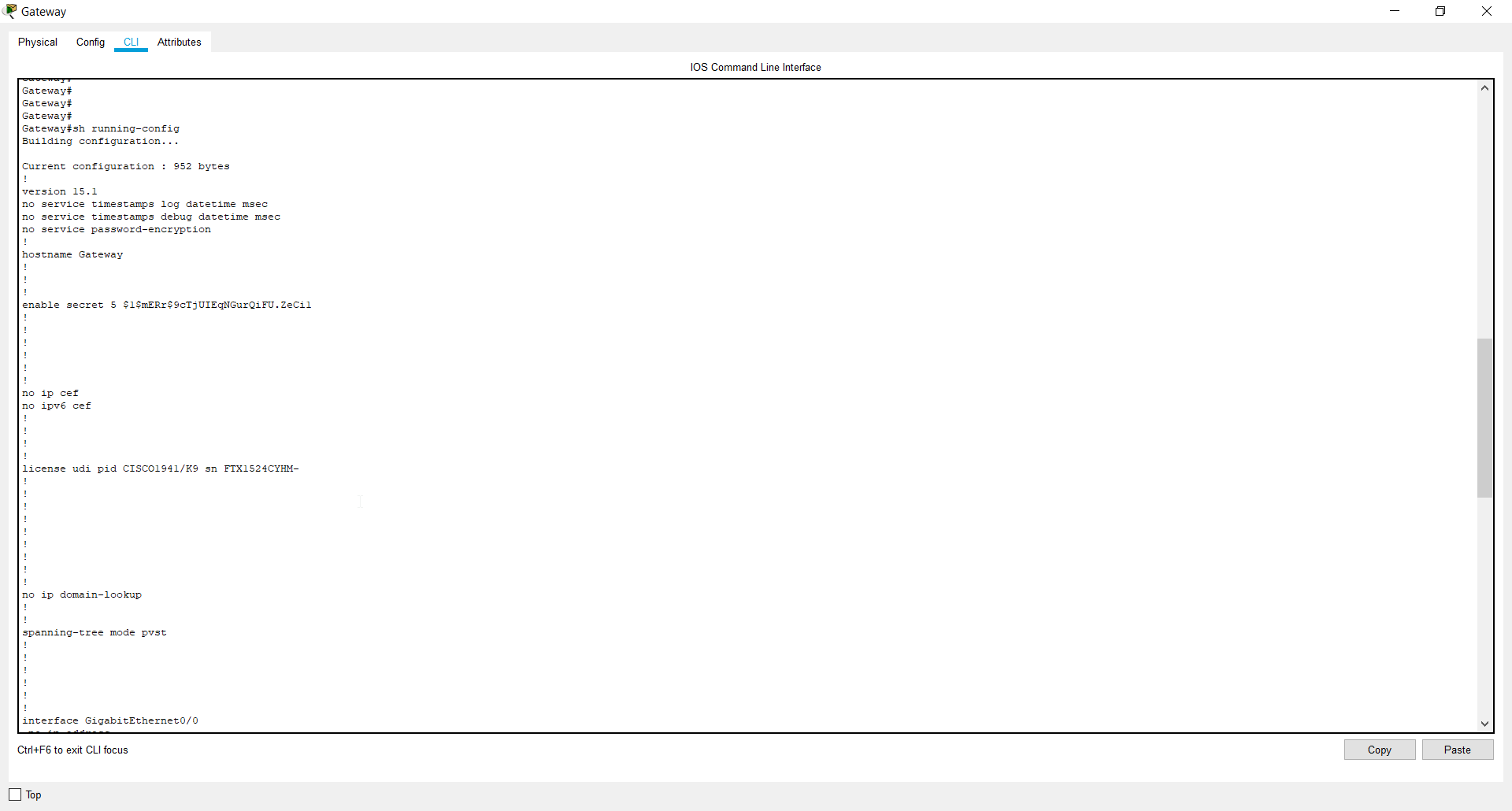
**Http error**

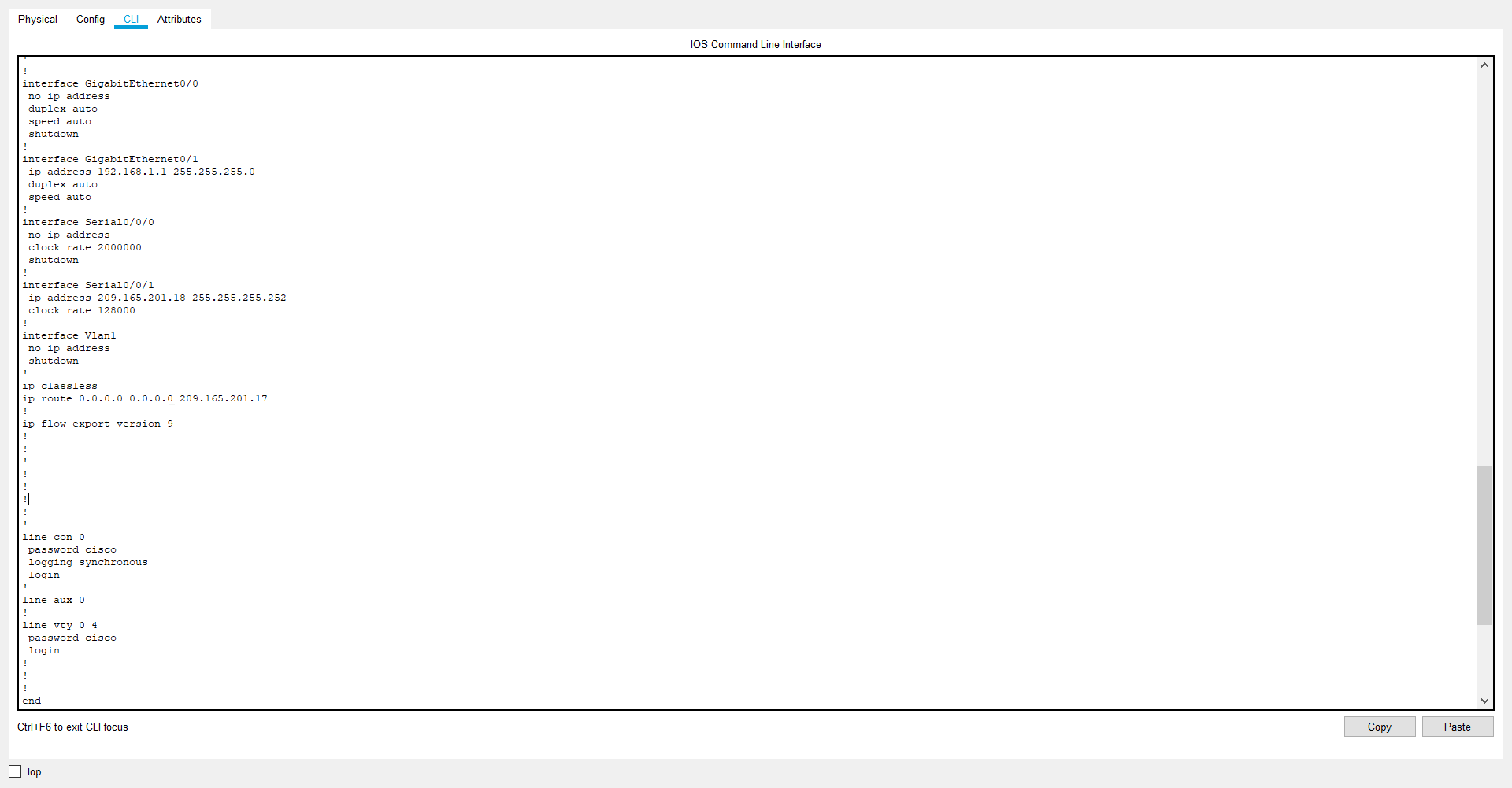
****

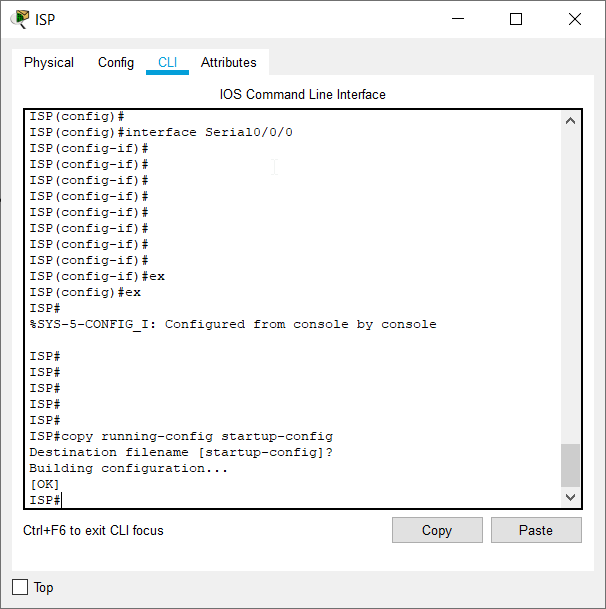
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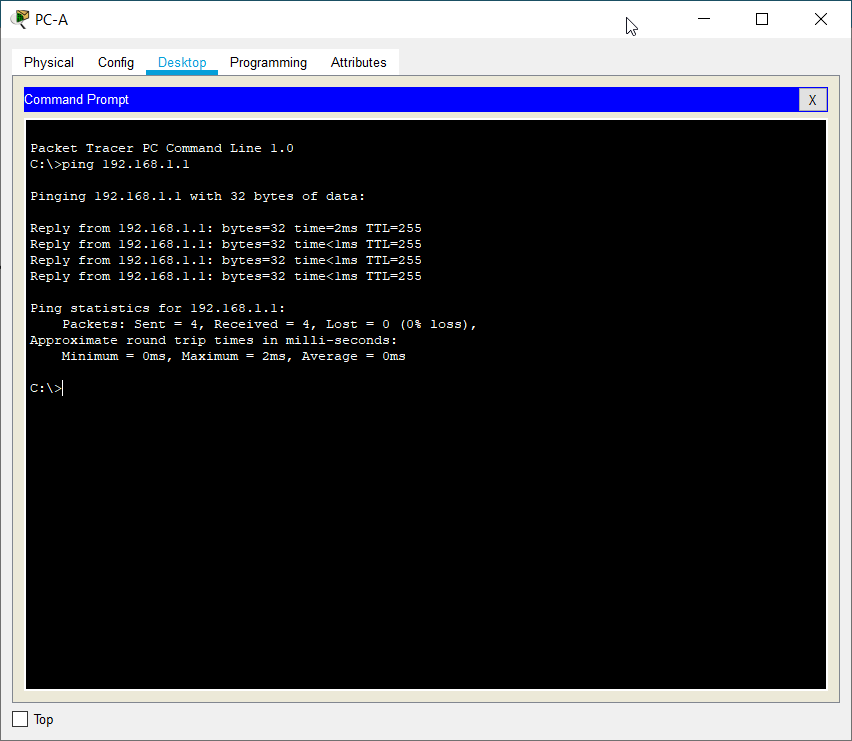
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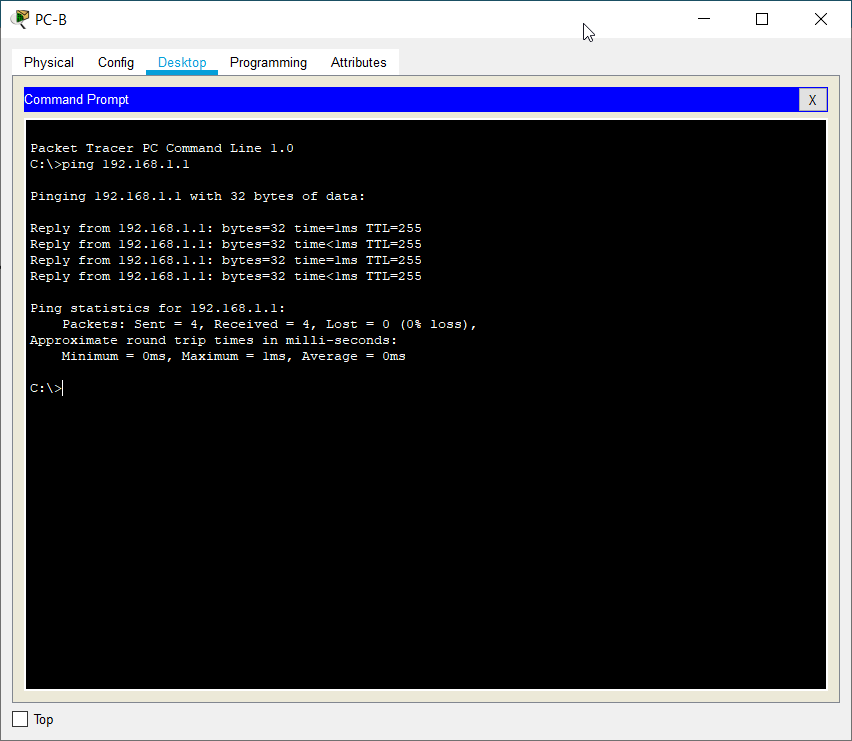
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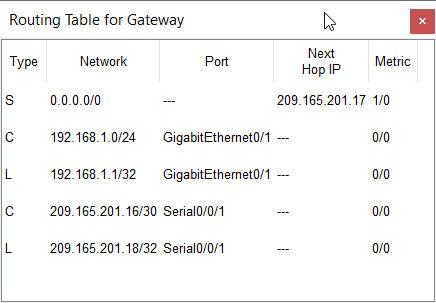
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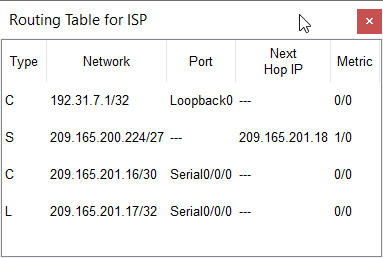
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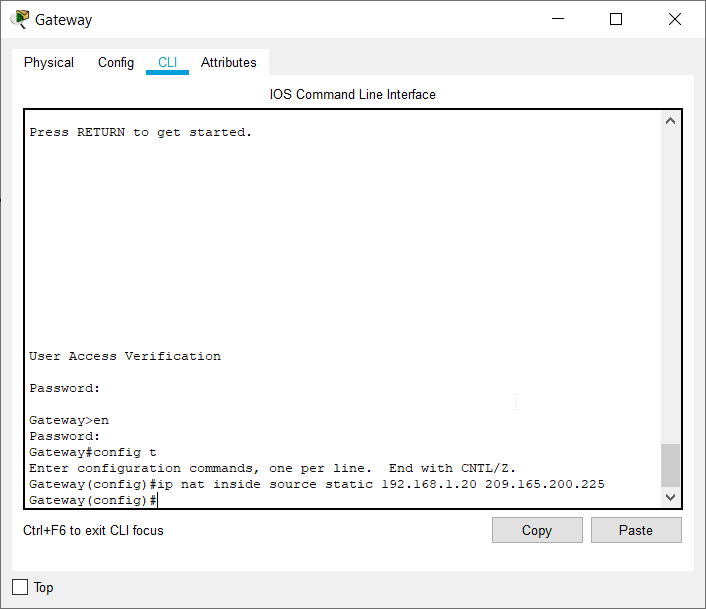
****

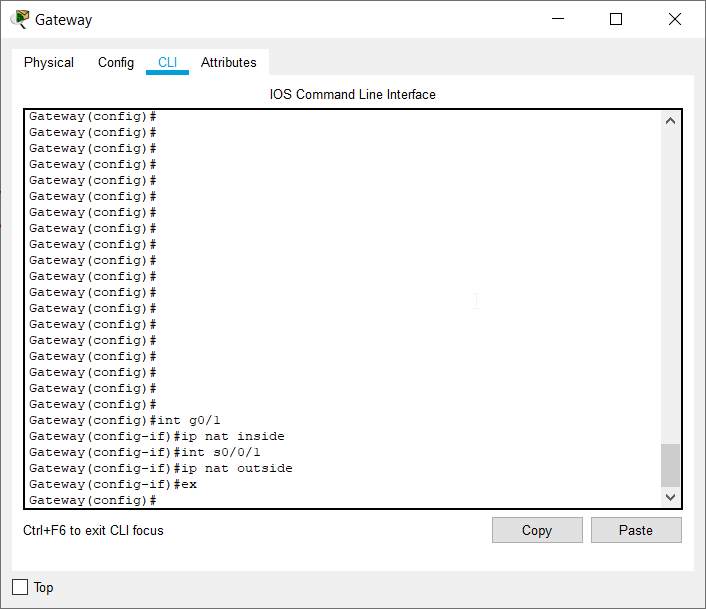
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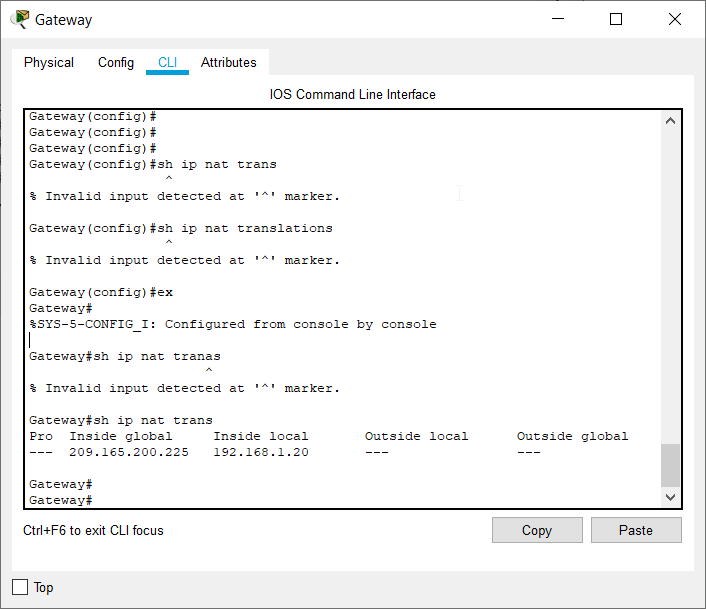
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**TASK 2:**

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**Q.What is the translation of the Inside local host address?**

**192.168.1.20 = 209.165.200.225**

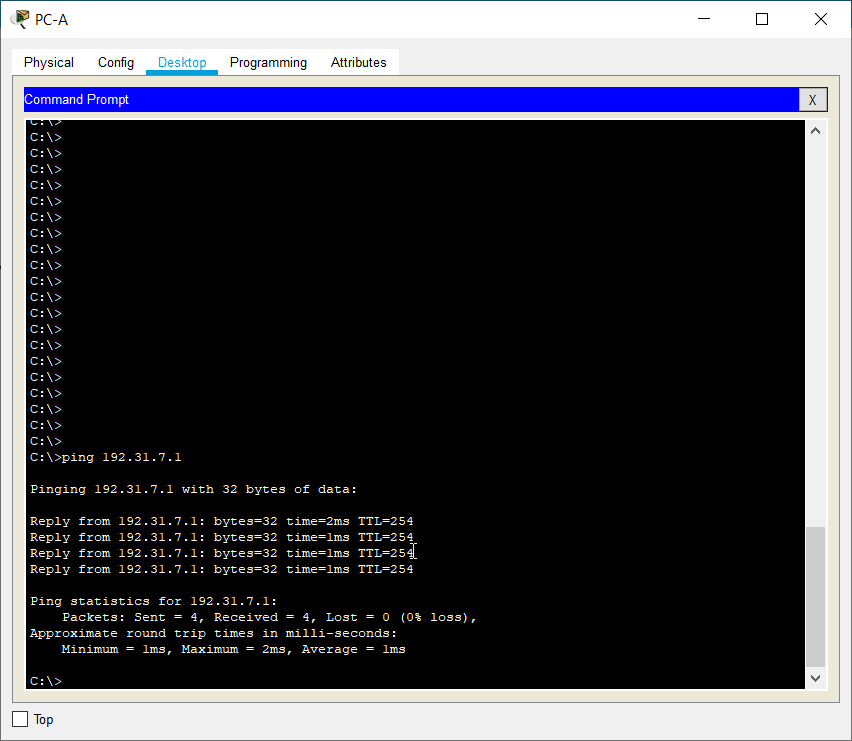
**Q.The Inside global address is assigned by?**

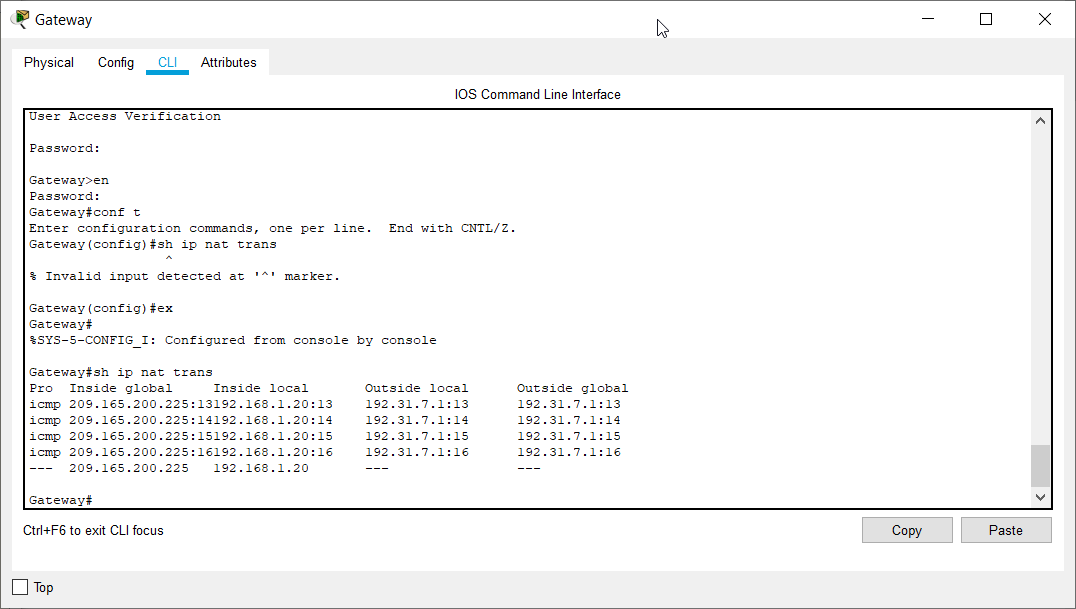
**ISP(static) and NAT pool(dynamic)**

**Q.The Inside local address is assigned by?**

**System Administrator**

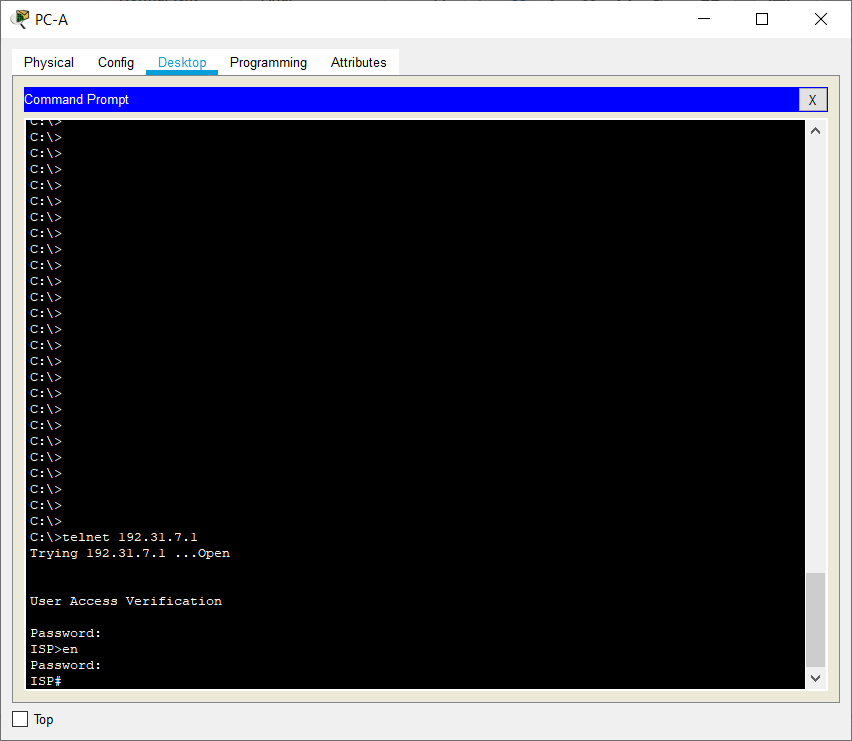
**Pinging Lo0 interface**

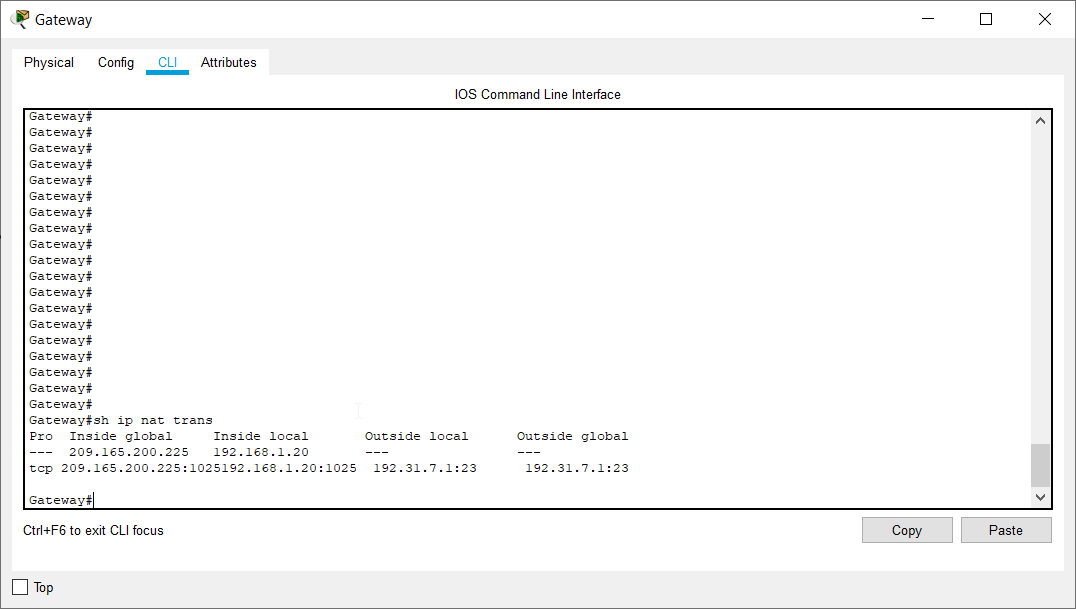
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**What port number was used in this ICMP exchange?**

**4 port nos. were used for 4 ICMP exchanges for 4 pings. They are 13, 14, 15, 16.**

****

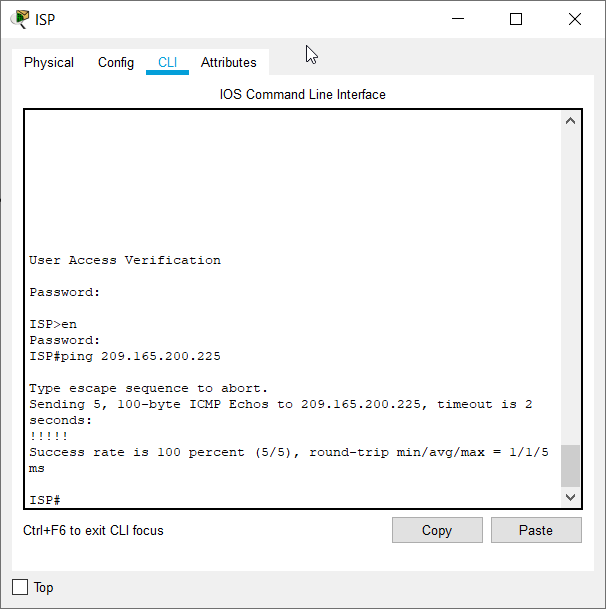
****

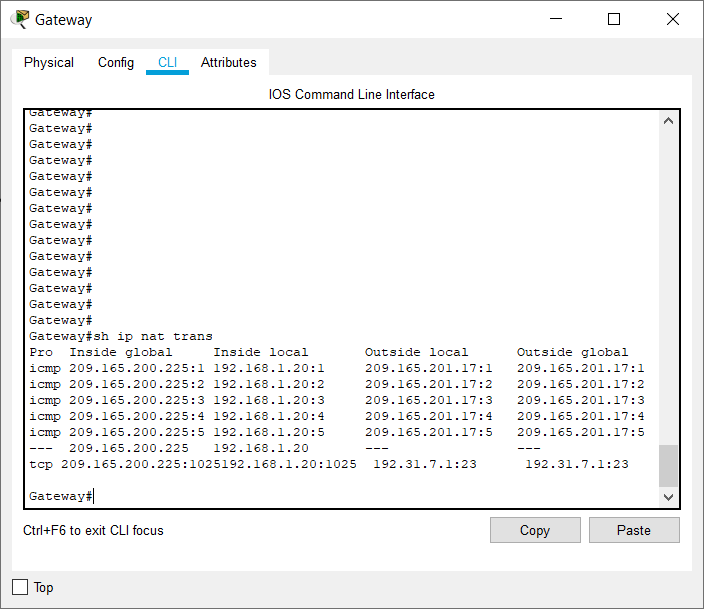
**What was the protocol used in this translation? TCP**

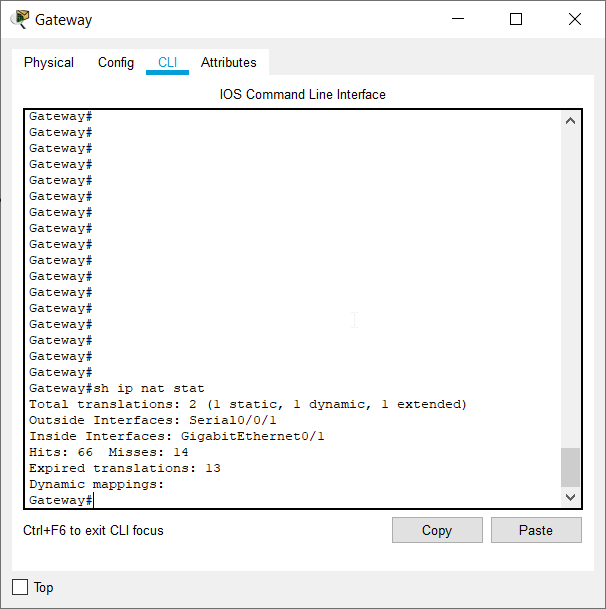
**What are the port numbers used?**

**Inside global / local: 1025**

**Outside global / local: 23**

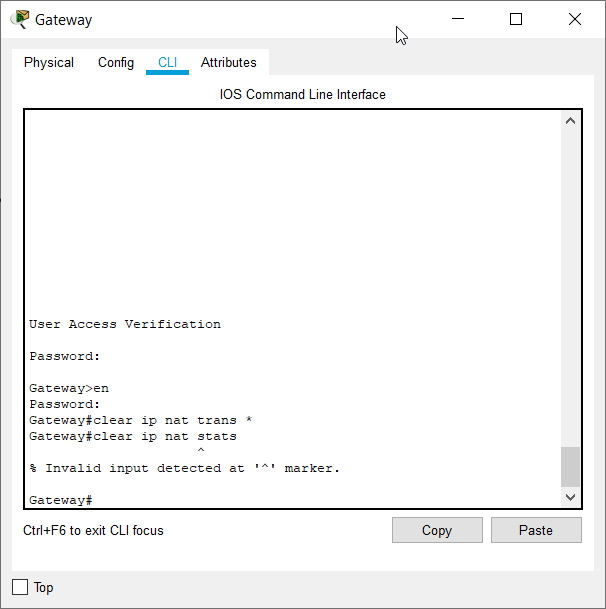




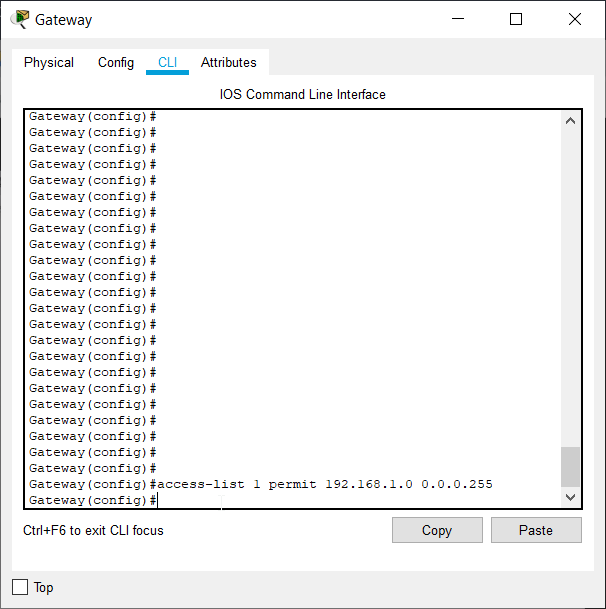


**TASK 3:**

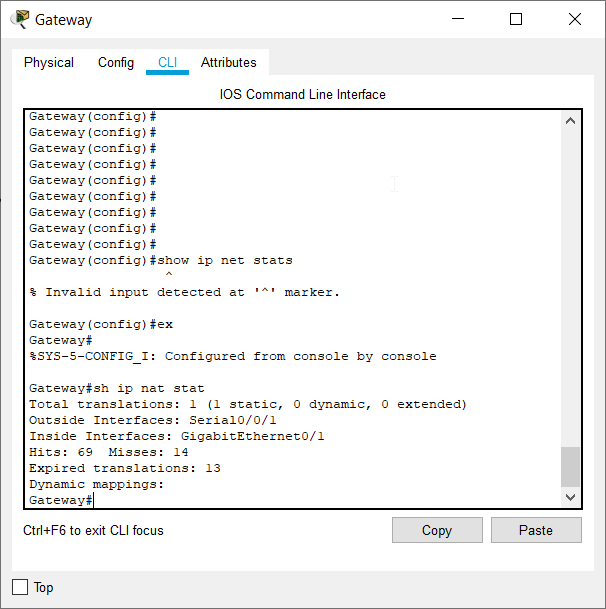
**Clearing translations and statistics**

****

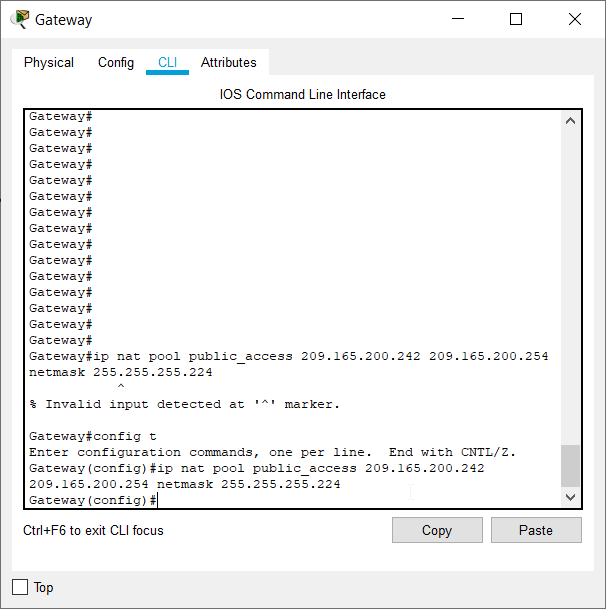
**Assign access-list 1 to range 192.168.1.0 - 192.168.1.255**

****

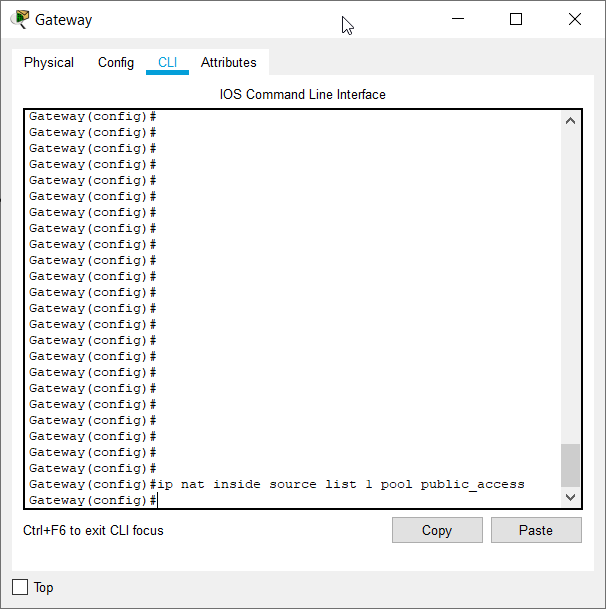
**Show nat statistics**

****

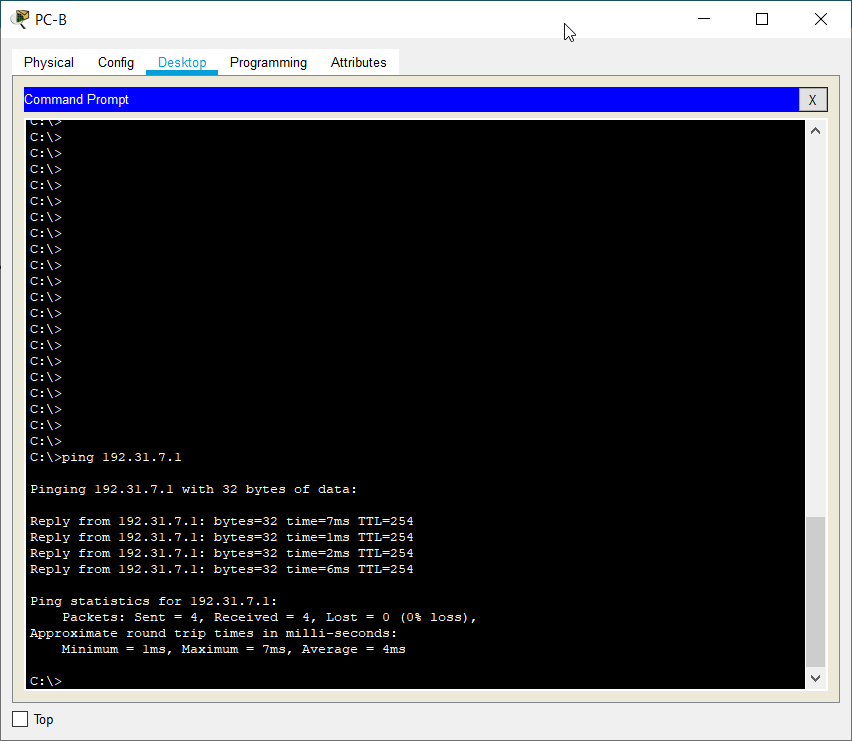
**Make nat public pool 209.165.200.242 - 209.165.200.254 netmask 255.255.255.224**

****

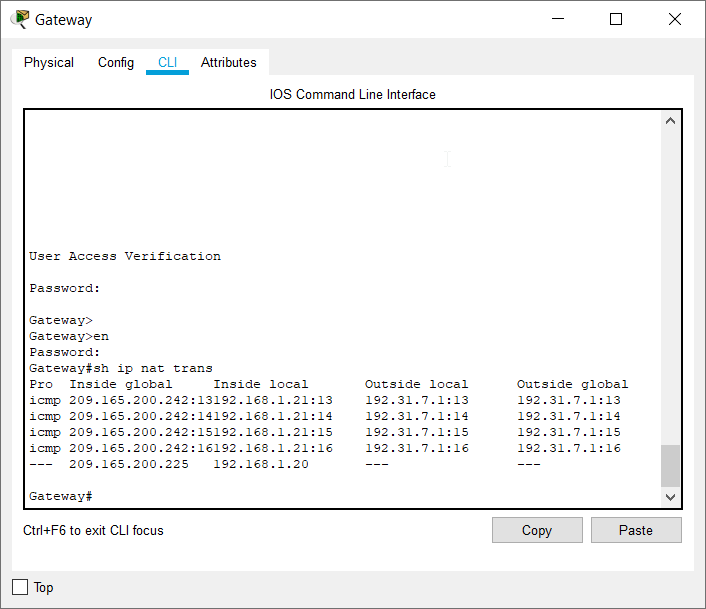
**Link inside source-list to the outer pool**

****

**Ping Loopback0 from PC-B**

****

**Show NAT translation table**

****

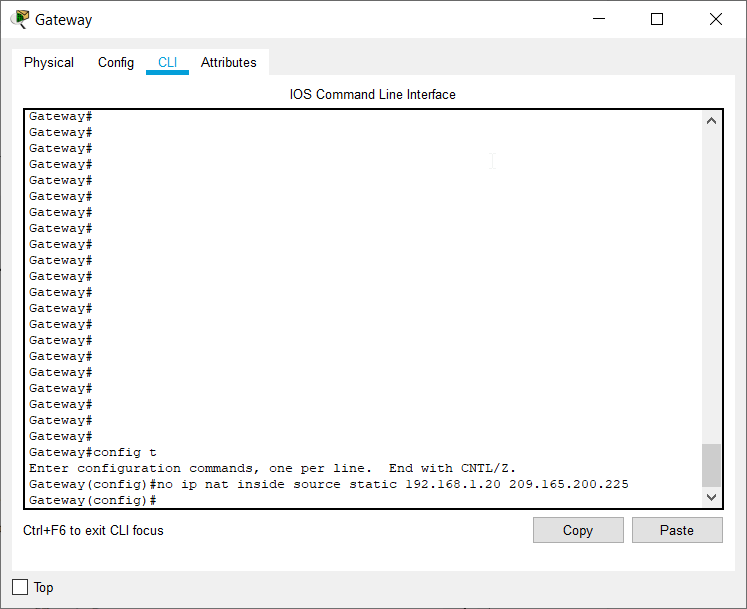
**What is the translation of the Inside local host address for PC-B?**

**192.168.1.21 = 209.165.200.242**

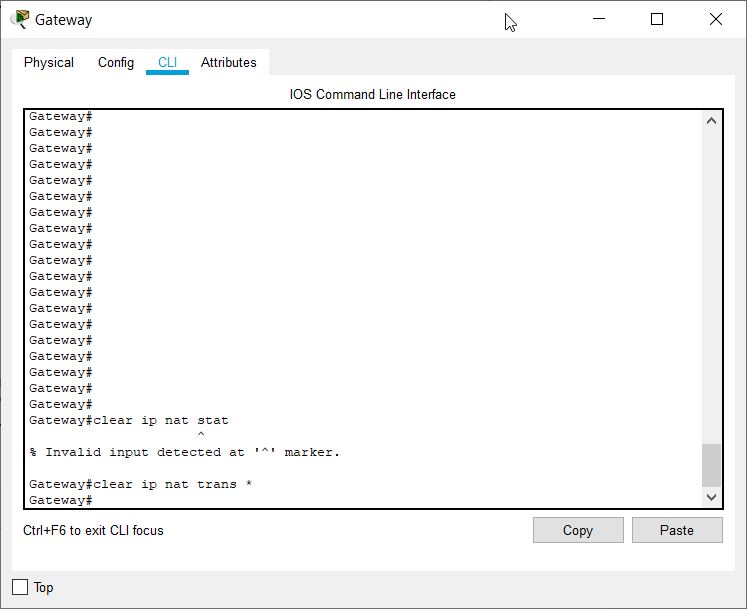
**A dynamic NAT entry was added to the table with ICMP as the protocol when PC-B sent an ICMP message to 192.31.7.1 on ISP. What port number was used in this ICMP exchange?**

**4 port nos. were used for 4 ICMP exchanges for 4 pings. They are 13, 14, 15, 16.**

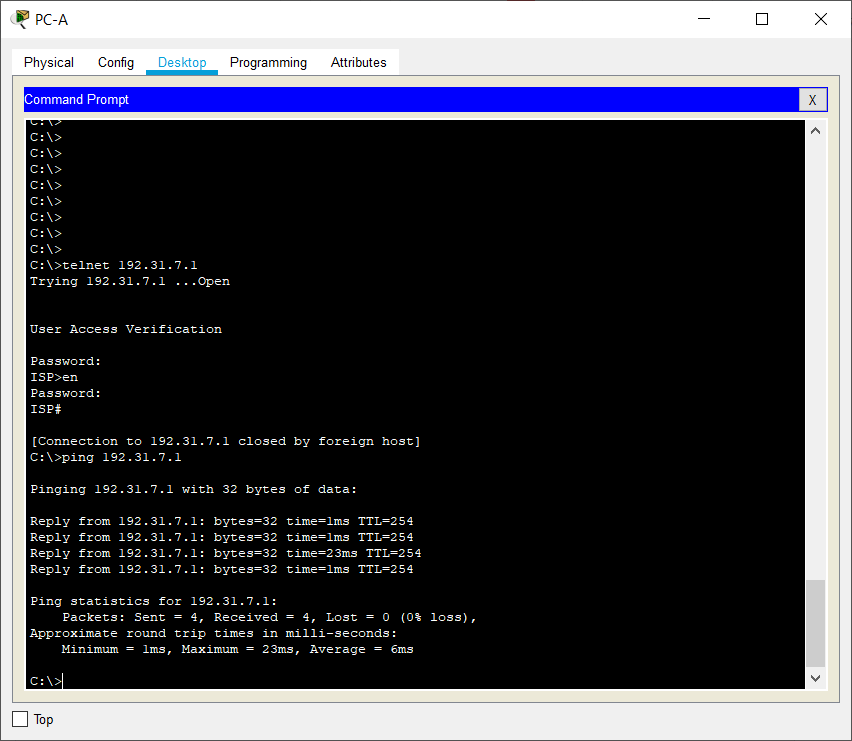
**Removing static NAT from part 2**

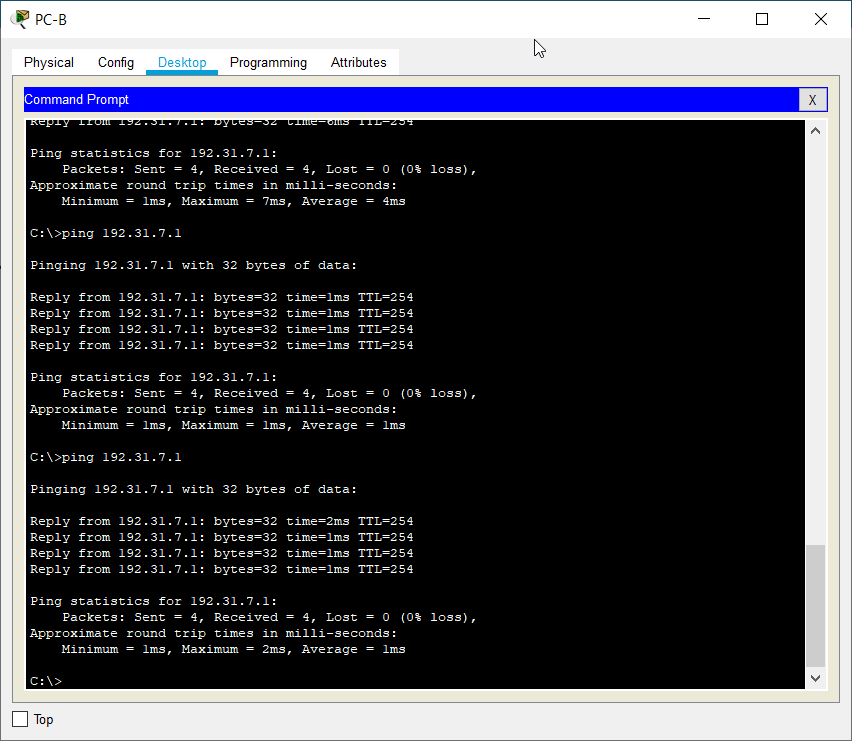
****

**Clear NAT and STAT**

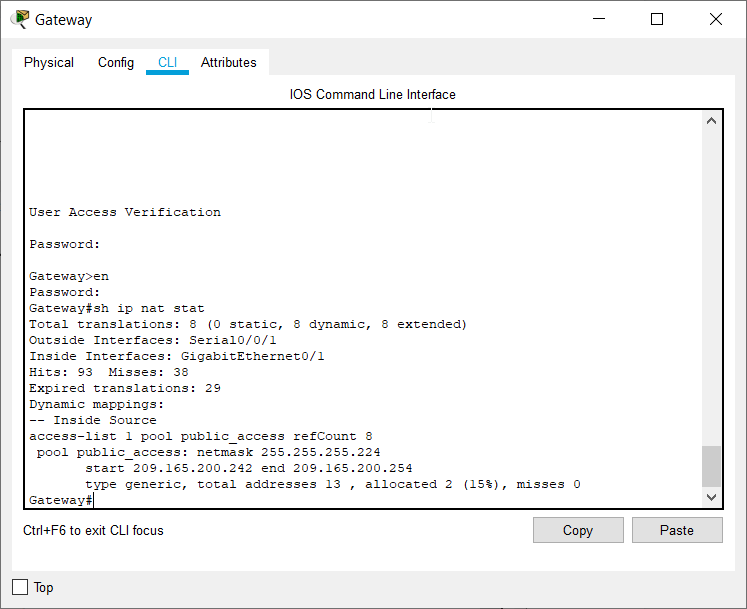
****

**Ping ISP from both PC’s**

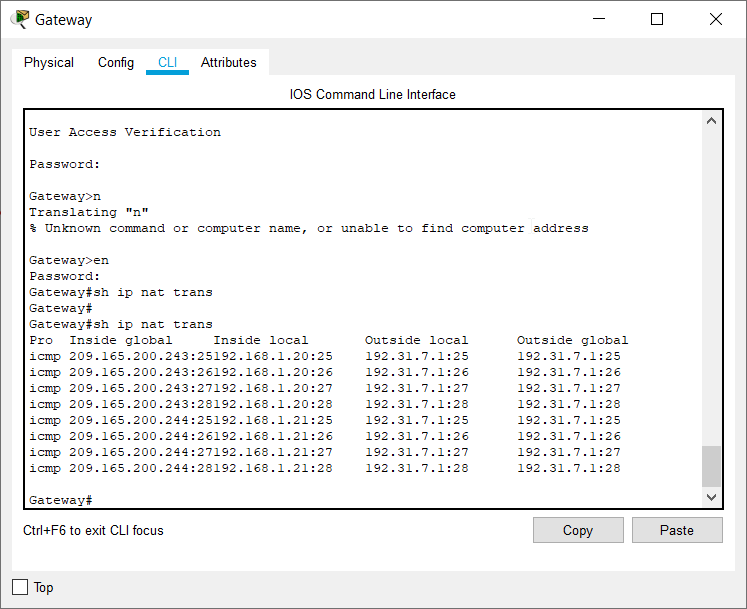
****

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**Show NAT statistics**

****

**Show nat translations**

****