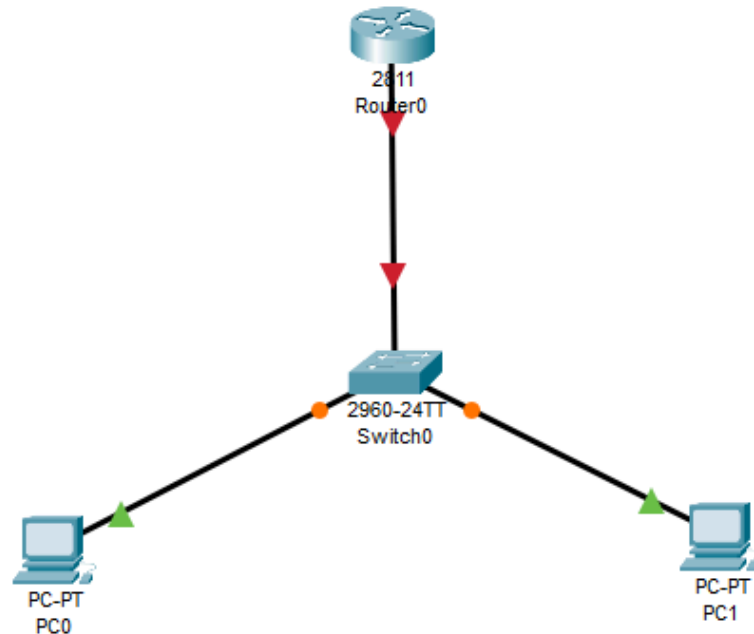


Савинов Артём ИС223

1. Сделал сетевую топологию.



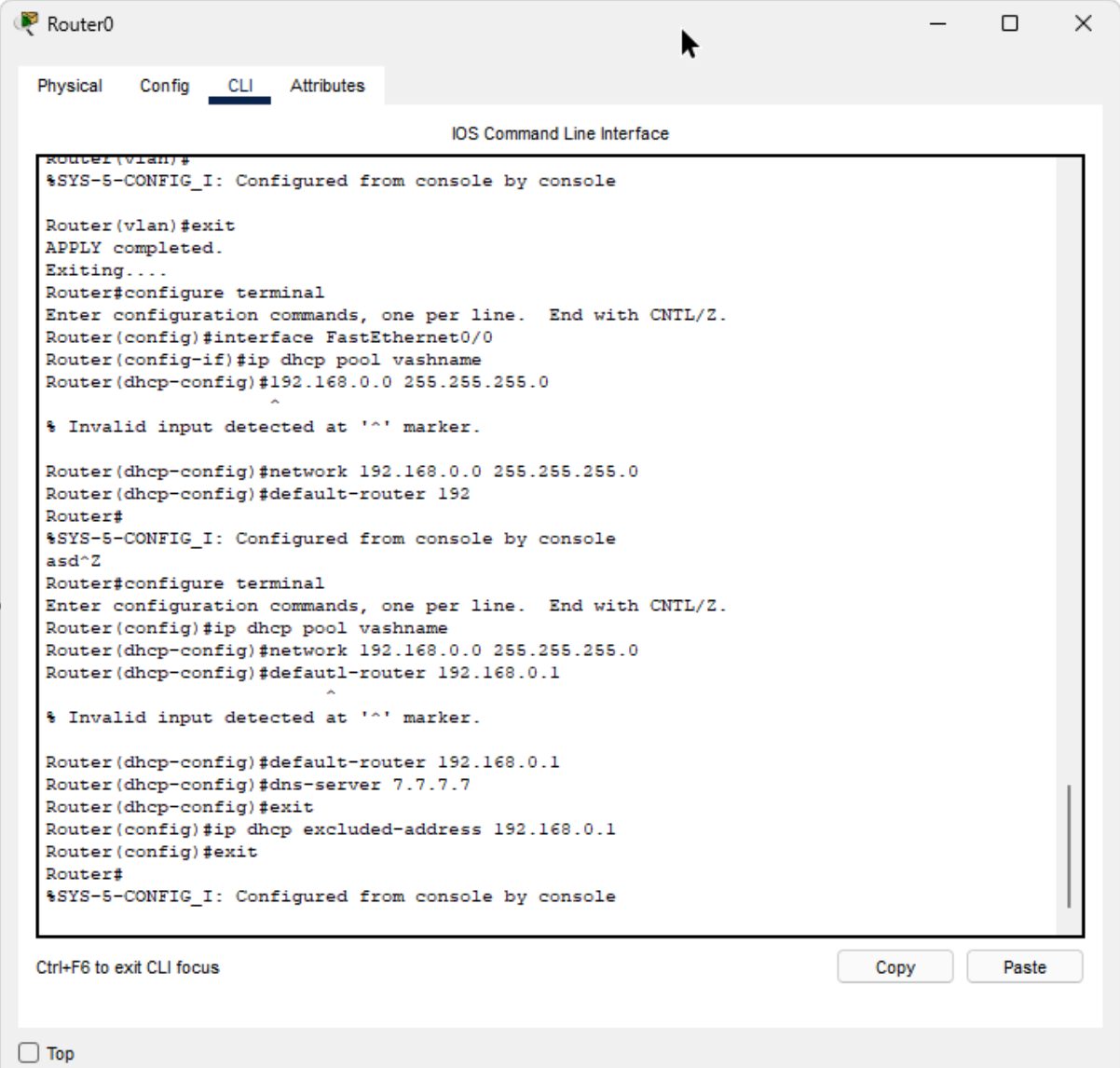
2. Включил порт в роутере и задал IP

The screenshot shows the same network topology as before, but with a configuration window for Router0 open. The window has tabs for 'Physical', 'Config', 'CLI', and 'Attributes'. The 'Config' tab is active, showing a tree view on the left with 'FastEthernet0/0' selected under the 'INTERFACE' section. The main area displays configuration options for 'FastEthernet0/0', including 'Port Status' (On), 'Bandwidth' (100 Mbps), 'Duplex' (Full Duplex), 'MAC Address' (0001.630B.2501), 'IP Configuration' (IPv4 Address: 192.168.0.1, Subnet Mask: 255.255.255.0), and 'Tx Ring Limit' (10). At the bottom, a text area shows the equivalent IOS commands:

```
Router(config)#router yemda
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
*SYS-5-CONFIG_I: Configured from console by console

Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 192.168.0.1 255.255.255.0
Router(config-if)#
```

3. Настроил DHCP на роутере

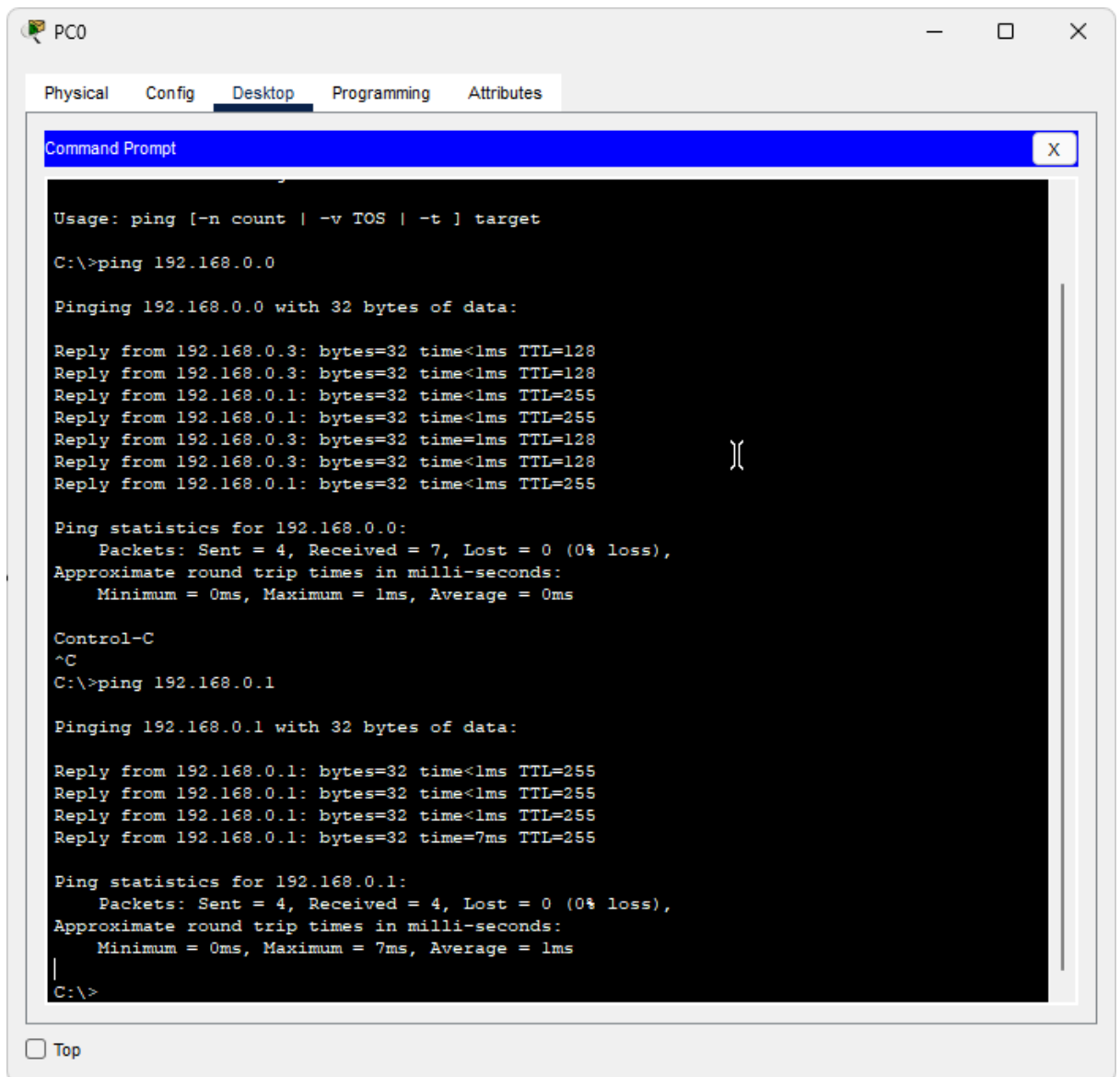


The screenshot shows a Cisco Packet Tracer window titled "Router0" with tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the "IOS Command Line Interface". The terminal output shows the following sequence of commands and responses:

```
Router(vlan)#  
%SYS-5-CONFIG_I: Configured from console by console  
  
Router(vlan)#exit  
APPLY completed.  
Exiting....  
Router#configure terminal  
Enter configuration commands, one per line. End with CNTL/Z.  
Router(config)#interface FastEthernet0/0  
Router(config-if)#ip dhcp pool vashname  
Router(dhcp-config)#192.168.0.0 255.255.255.0  
^  
% Invalid input detected at '^' marker.  
  
Router(dhcp-config)#network 192.168.0.0 255.255.255.0  
Router(dhcp-config)#default-router 192  
Router#  
%SYS-5-CONFIG_I: Configured from console by console  
asd^Z  
Router#configure terminal  
Enter configuration commands, one per line. End with CNTL/Z.  
Router(config)#ip dhcp pool vashname  
Router(dhcp-config)#network 192.168.0.0 255.255.255.0  
Router(dhcp-config)#default-router 192.168.0.1  
^  
% Invalid input detected at '^' marker.  
  
Router(dhcp-config)#default-router 192.168.0.1  
Router(dhcp-config)#dns-server 7.7.7.7  
Router(dhcp-config)#exit  
Router(config)#ip dhcp excluded-address 192.168.0.1  
Router(config)#exit  
Router#  
%SYS-5-CONFIG_I: Configured from console by console
```

At the bottom of the CLI window, there is a status bar with the text "Ctrl+F6 to exit CLI focus" on the left and "Copy" and "Paste" buttons on the right. Below the CLI window, there is a "Top" button with a checkbox.

4. Проверил по ping



The screenshot shows a window titled "PC0" with tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is active, displaying a "Command Prompt" window. The Command Prompt shows the execution of two ping commands. The first command is "C:\>ping 192.168.0.0", which results in four successful replies from 192.168.0.3 and 192.168.0.1, all with 32 bytes of data and a time of less than 1ms. The statistics for 192.168.0.0 show 4 packets sent, 7 received, and 0% loss. The second command is "C:\>ping 192.168.0.1", which results in four successful replies from 192.168.0.1, all with 32 bytes of data and a time of less than 1ms. The statistics for 192.168.0.1 show 4 packets sent, 4 received, and 0% loss. The Command Prompt window has a blue title bar and a close button in the top right corner. A "Top" button is located at the bottom left of the PC0 window.

```
Usage: ping [-n count | -v TOS | -t ] target

C:\>ping 192.168.0.0

Pinging 192.168.0.0 with 32 bytes of data:

Reply from 192.168.0.3: bytes=32 time<1ms TTL=128
Reply from 192.168.0.3: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=255
Reply from 192.168.0.1: bytes=32 time<1ms TTL=255
Reply from 192.168.0.3: bytes=32 time=1ms TTL=128
Reply from 192.168.0.3: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.0.0:
    Packets: Sent = 4, Received = 7, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

Control-C
^C
C:\>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time<1ms TTL=255
Reply from 192.168.0.1: bytes=32 time<1ms TTL=255
Reply from 192.168.0.1: bytes=32 time<1ms TTL=255
Reply from 192.168.0.1: bytes=32 time=7ms TTL=255

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 7ms, Average = 1ms

C:\>
```