

Tên: Huỳnh Viết Tuấn Kiệt

MSSV: 20521494

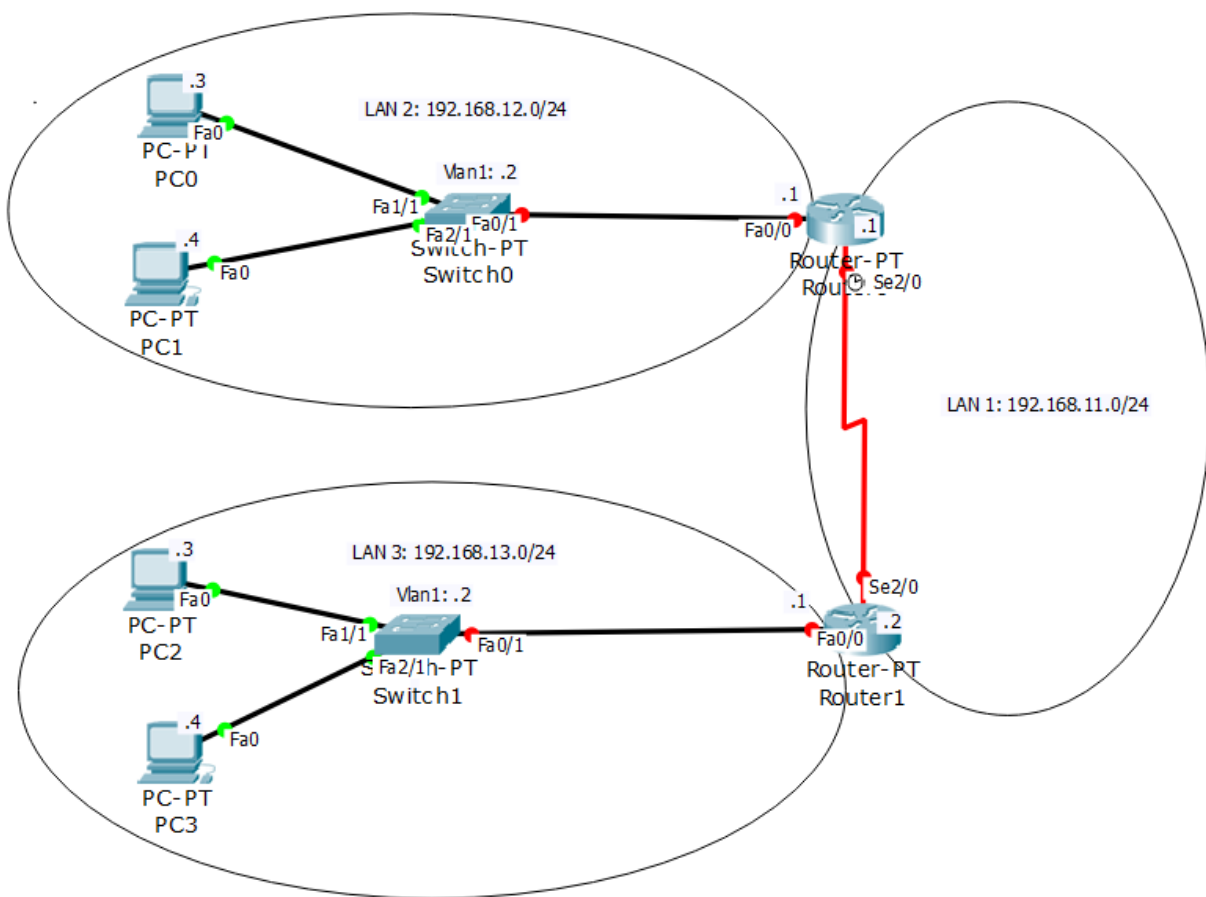
BÁO CÁO LAB6

THỰC HÀNH NHẬP MÔN MẠNG MÁY TÍNH

TASK 1: ĐỊNH TUYẾN TĨNH

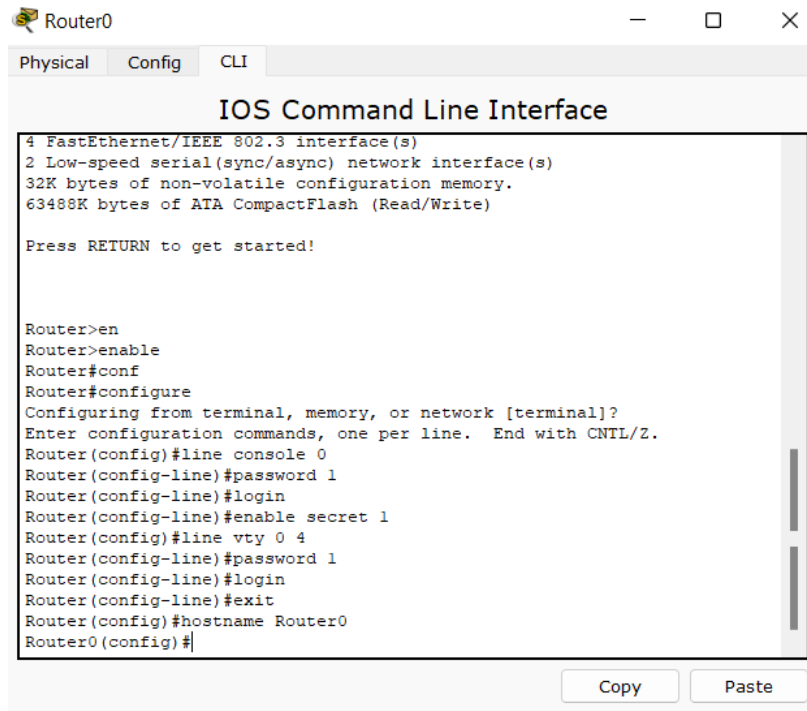
B0. Tạo ra topo mạng và lưu lại với tên là MSSV_HOTEN_STATIC.pkt

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Topo mạng

B1 – B2. Đổi tên các Router và Switch cho phù hợp với topo mạng và đặt ba loại mật khẩu (console, enable, telnet) với mật khẩu là 1



The screenshot shows the CLI window for Router0. The window has tabs for Physical, Config, and CLI, with the CLI tab selected. The title bar says "Router0". The main area is titled "IOS Command Line Interface" and contains the following text:

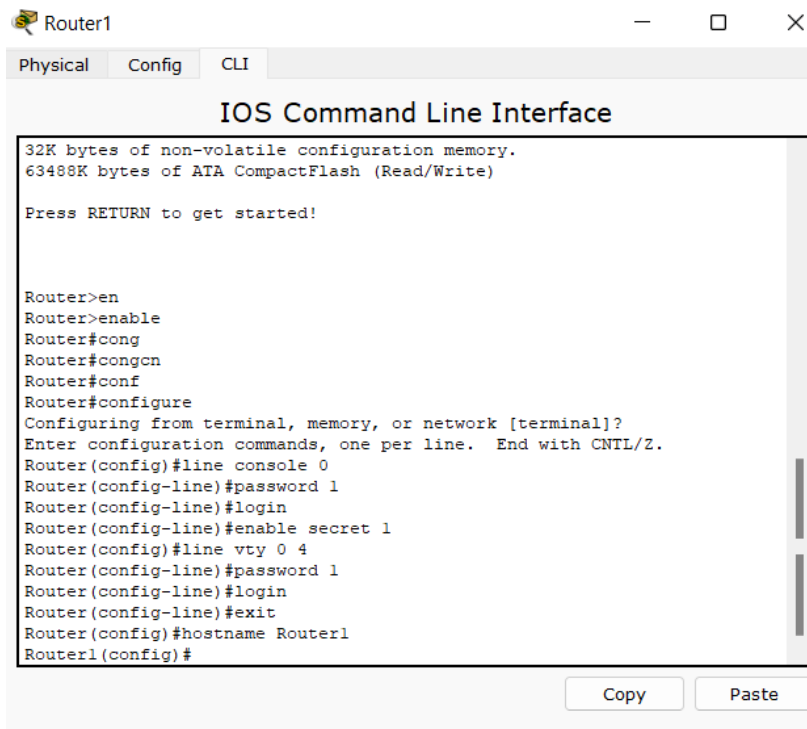
```
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

Press RETURN to get started!

Router>en
Router>enable
Router#conf
Router#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#line console 0
Router(config-line)#password 1
Router(config-line)#login
Router(config-line)#enable secret 1
Router(config)#line vty 0 4
Router(config-line)#password 1
Router(config-line)#login
Router(config-line)#exit
Router(config)#hostname Router0
Router0(config)#
```

At the bottom right, there are "Copy" and "Paste" buttons.

Router0



The screenshot shows the CLI window for Router1. The window has tabs for Physical, Config, and CLI, with the CLI tab selected. The title bar says "Router1". The main area is titled "IOS Command Line Interface" and contains the following text:

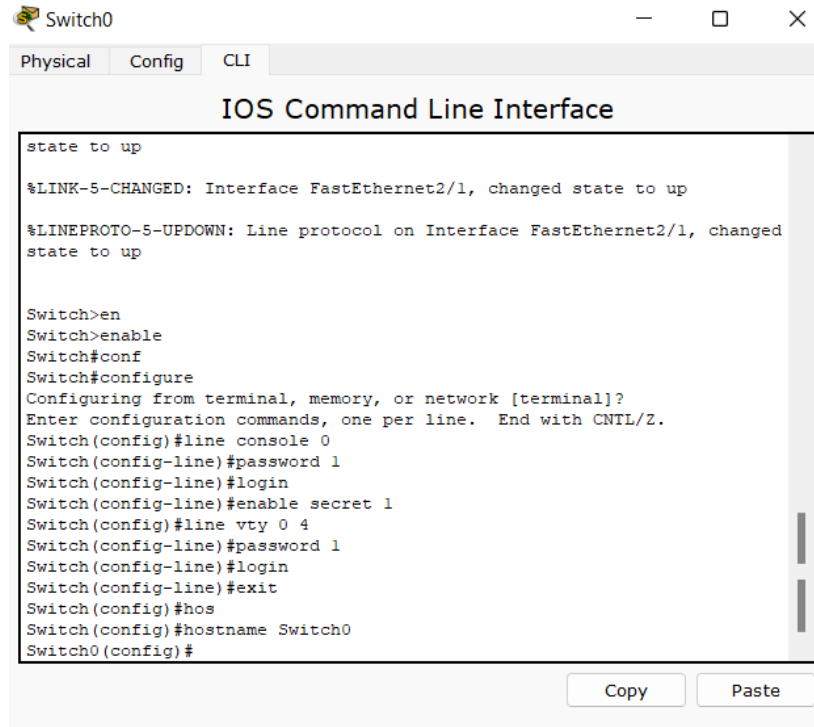
```
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)

Press RETURN to get started!

Router>en
Router>enable
Router#cong
Router#congcn
Router#conf
Router#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#line console 0
Router(config-line)#password 1
Router(config-line)#login
Router(config-line)#enable secret 1
Router(config)#line vty 0 4
Router(config-line)#password 1
Router(config-line)#login
Router(config-line)#exit
Router(config)#hostname Router1
Router1(config)#
```

At the bottom right, there are "Copy" and "Paste" buttons.

Router1

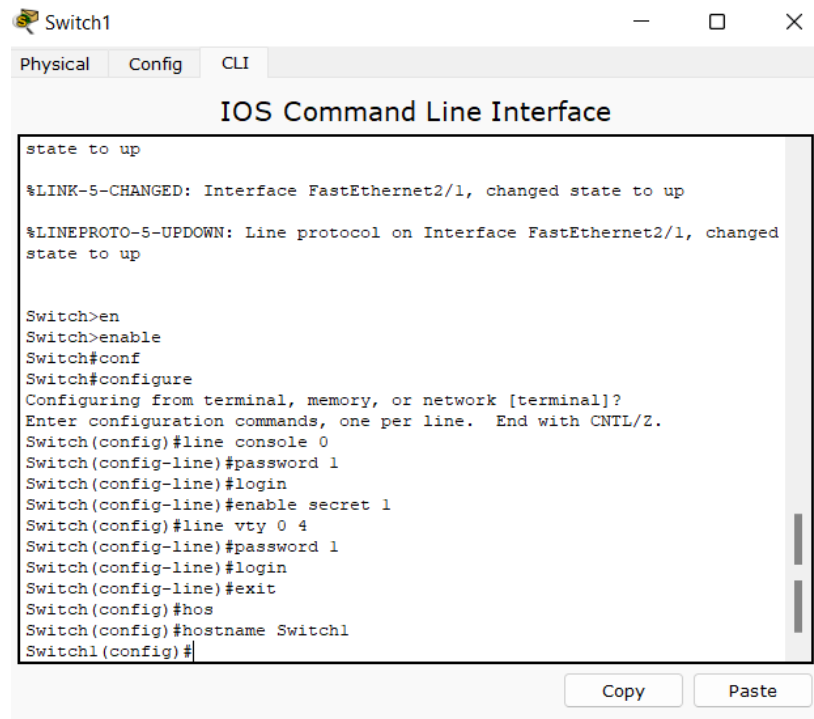


The screenshot shows the CLI window for Switch0. The title bar includes a network icon, the text 'Switch0', and standard window controls. Below the title bar are tabs for 'Physical', 'Config', and 'CLI', with 'CLI' being the active tab. The main area is titled 'IOS Command Line Interface' and contains a text area with the following text: state to up
%LINK-5-CHANGED: Interface FastEthernet2/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet2/1, changed state to up

Switch>en
Switch>enable
Switch#conf
Switch#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#line console 0
Switch(config-line)#password 1
Switch(config-line)#login
Switch(config-line)#enable secret 1
Switch(config)#line vty 0 4
Switch(config-line)#password 1
Switch(config-line)#login
Switch(config-line)#exit
Switch(config)#hos
Switch(config)#hostname Switch0
Switch0(config)#

At the bottom right of the text area are two buttons: 'Copy' and 'Paste'.

Switch0



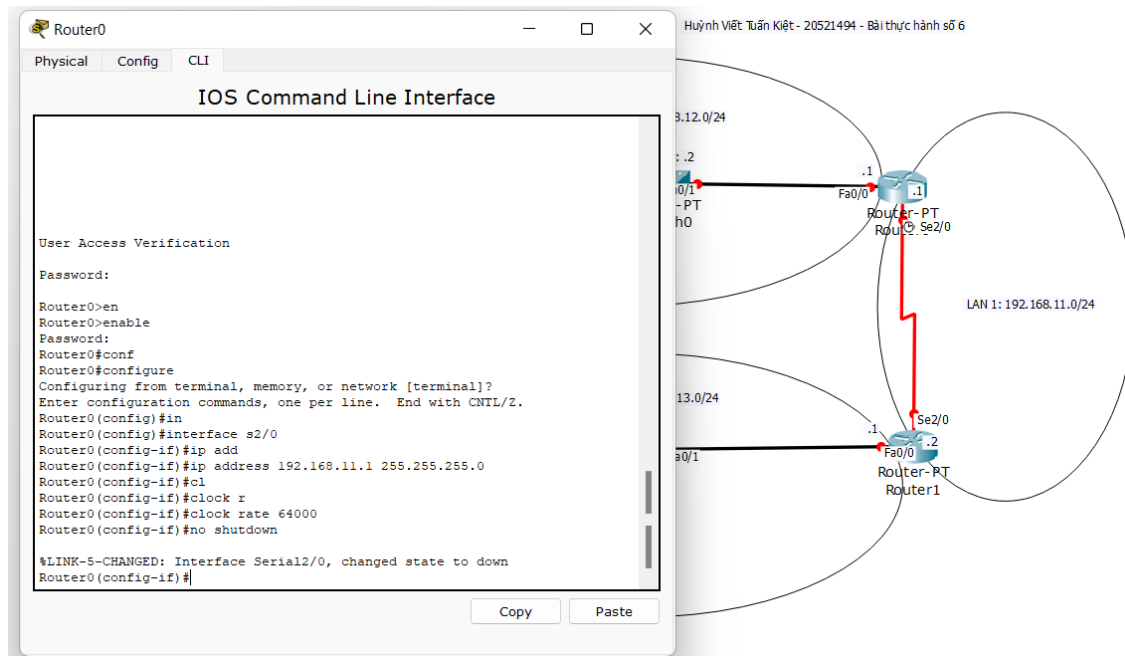
The screenshot shows the CLI window for Switch1. The title bar includes a network icon, the text 'Switch1', and standard window controls. Below the title bar are tabs for 'Physical', 'Config', and 'CLI', with 'CLI' being the active tab. The main area is titled 'IOS Command Line Interface' and contains the same text as Switch0, but with the final hostname command changed to 'Switch1': state to up
%LINK-5-CHANGED: Interface FastEthernet2/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet2/1, changed state to up

Switch>en
Switch>enable
Switch#conf
Switch#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#line console 0
Switch(config-line)#password 1
Switch(config-line)#login
Switch(config-line)#enable secret 1
Switch(config)#line vty 0 4
Switch(config-line)#password 1
Switch(config-line)#login
Switch(config-line)#exit
Switch(config)#hos
Switch(config)#hostname Switch1
Switch1(config)#

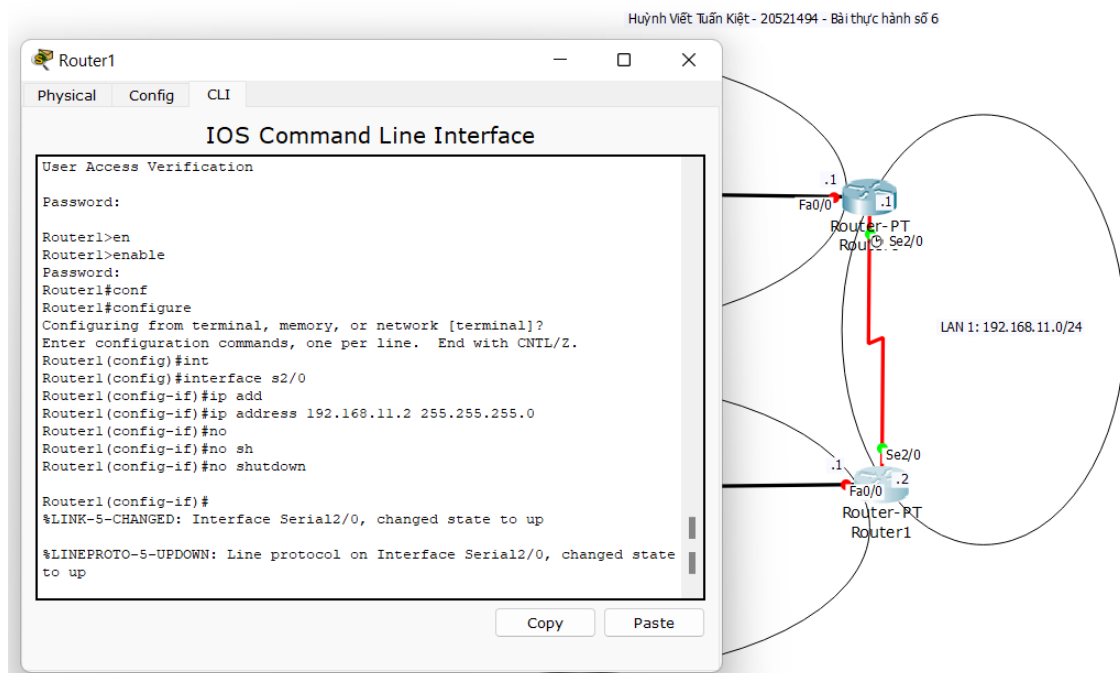
At the bottom right of the text area are two buttons: 'Copy' and 'Paste'.

Switch1

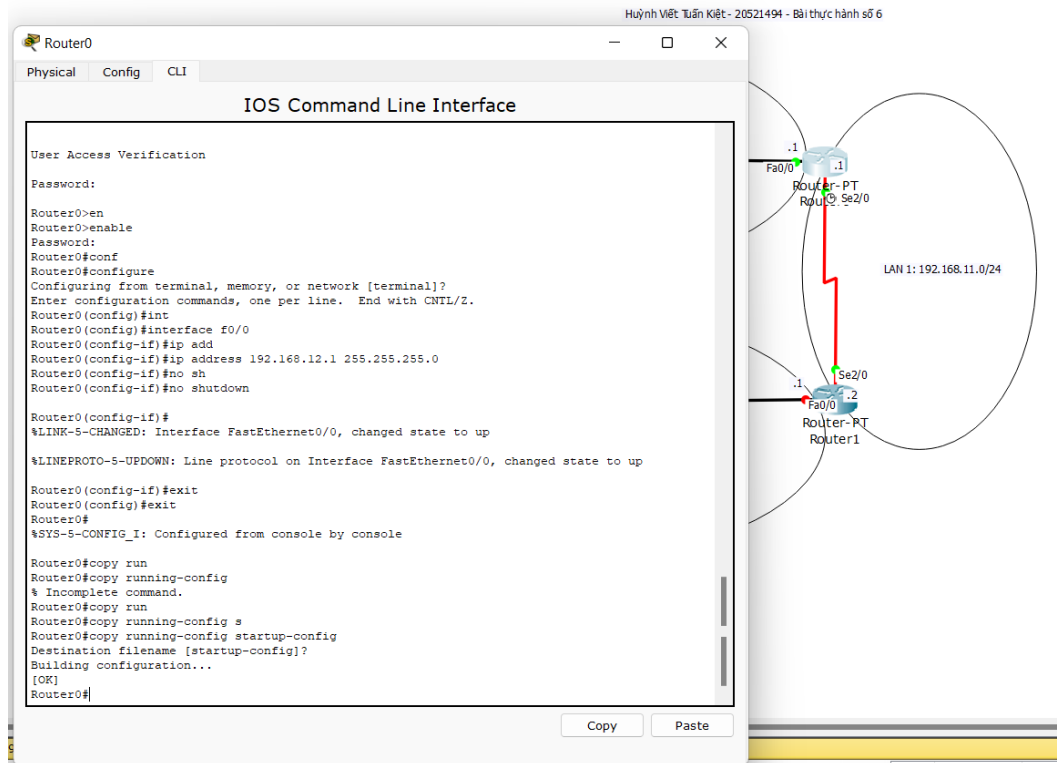
B3. Thiết lập địa chỉ IP cho các cổng kết nối trên Router và trên Switch



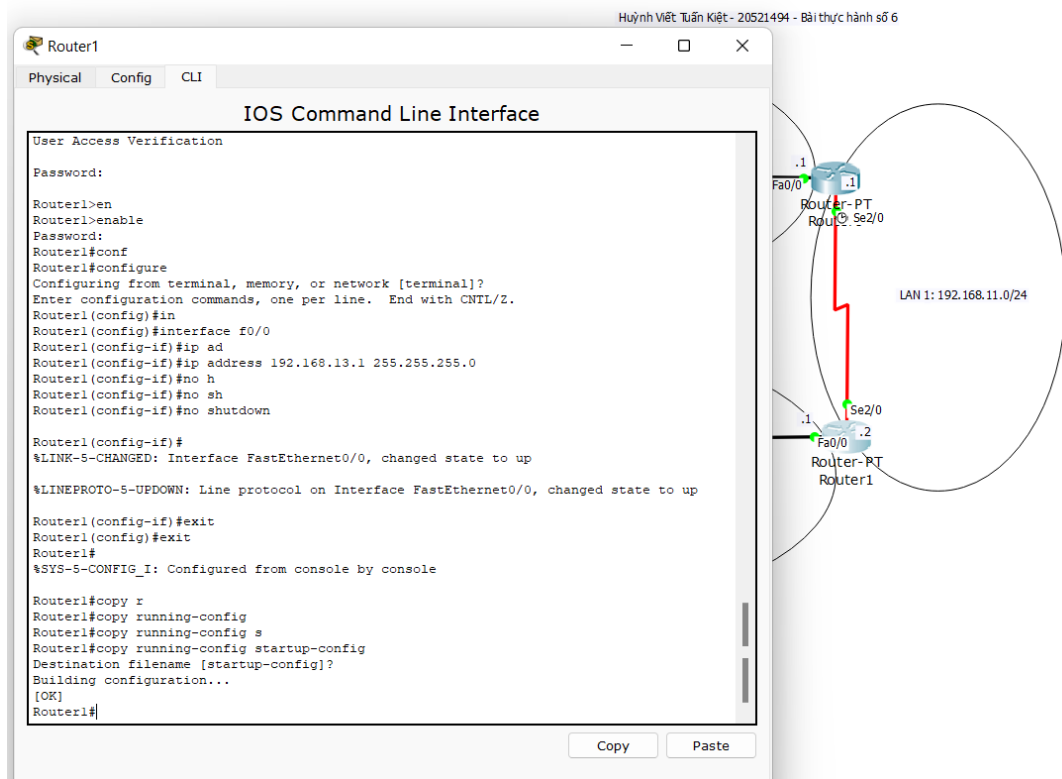
Thiết lập địa chỉ IP, thiết lập xung nhịp và chuyển đổi giao diện từ trạng thái down sang up cho Router0



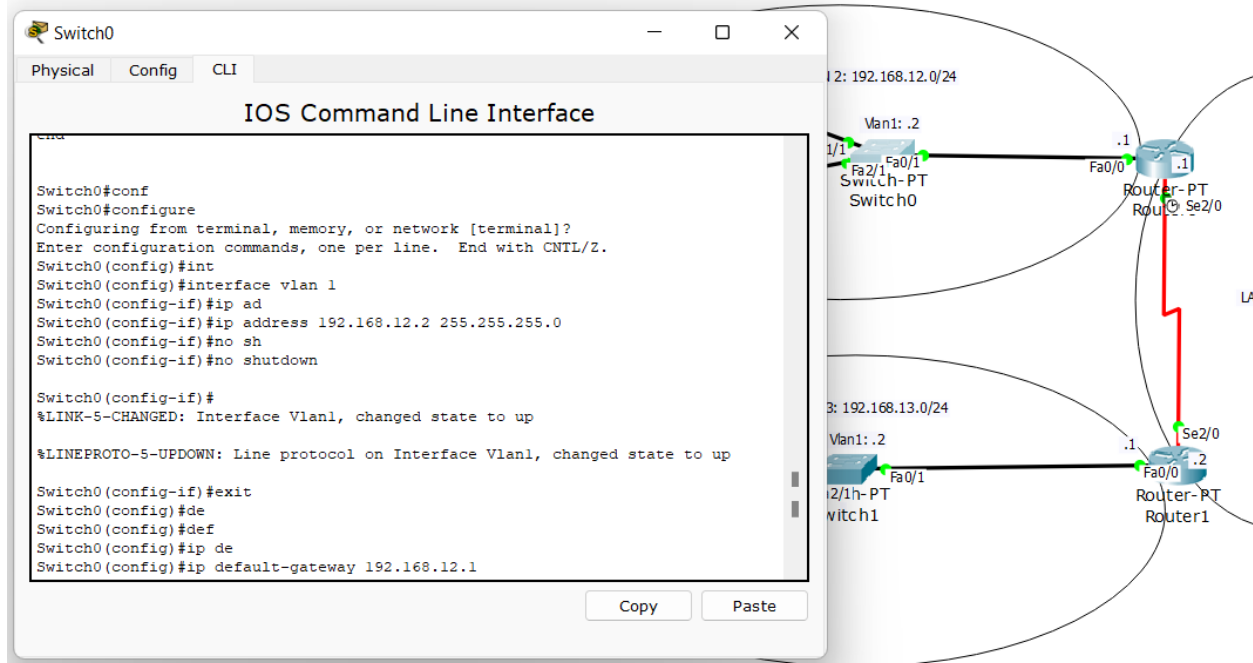
Thiết lập địa chỉ IP và chuyển đổi giao diện từ trạng thái down sang up cho Router1



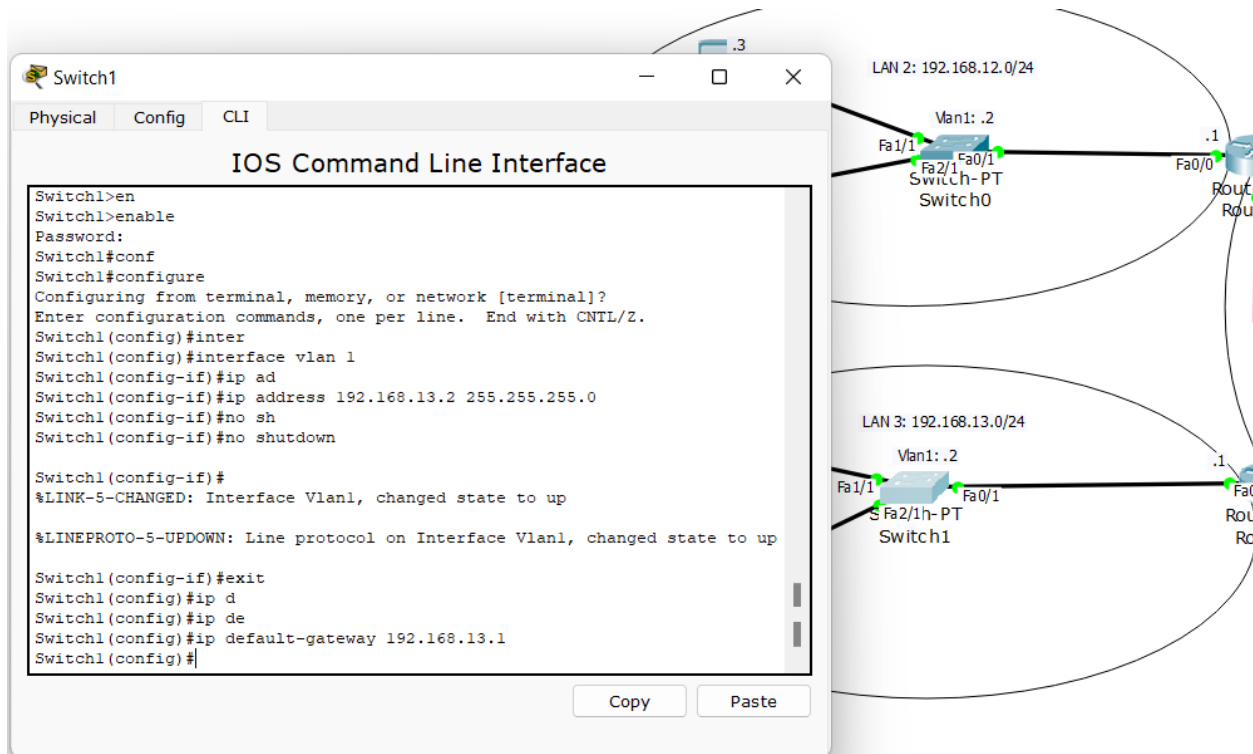
Thiết lập địa chỉ IP LAN 2 và sao lưu cấu hình



Thiết lập địa chỉ IP LAN 3 và sao lưu cấu hình



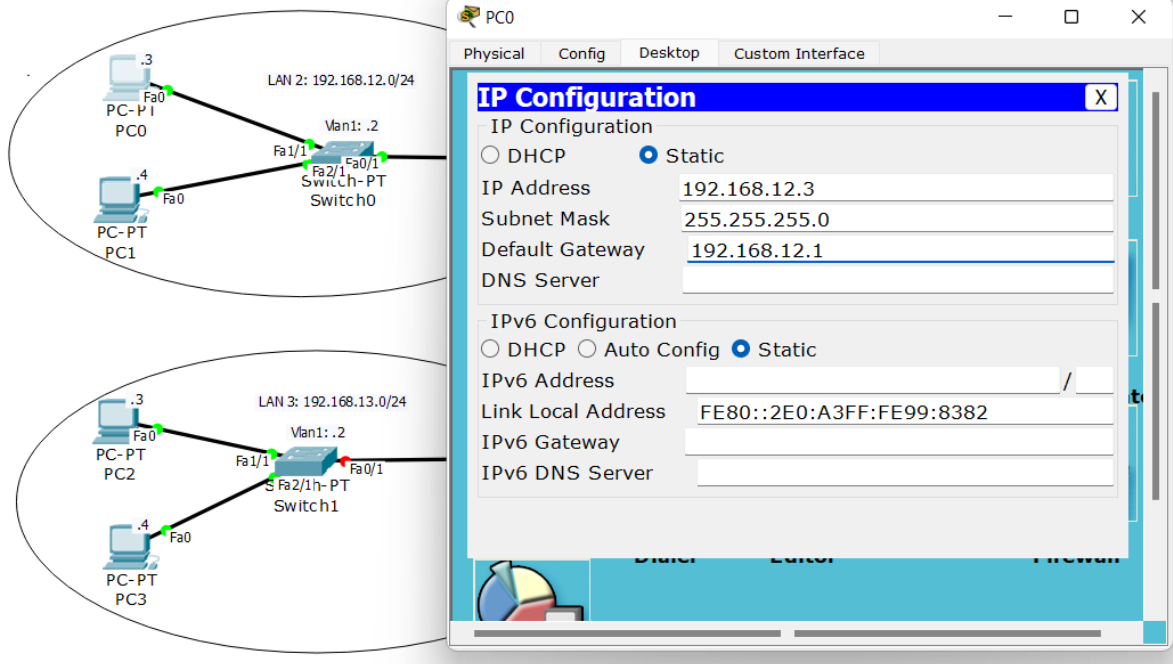
Thiết lập địa chỉ IP và default-gateway cho Vlan1 (Switch0)



Thiết lập địa chỉ IP và default-gateway cho Vlan1 (Switch1)

B4. Thiết lập địa chỉ IP cho các PC

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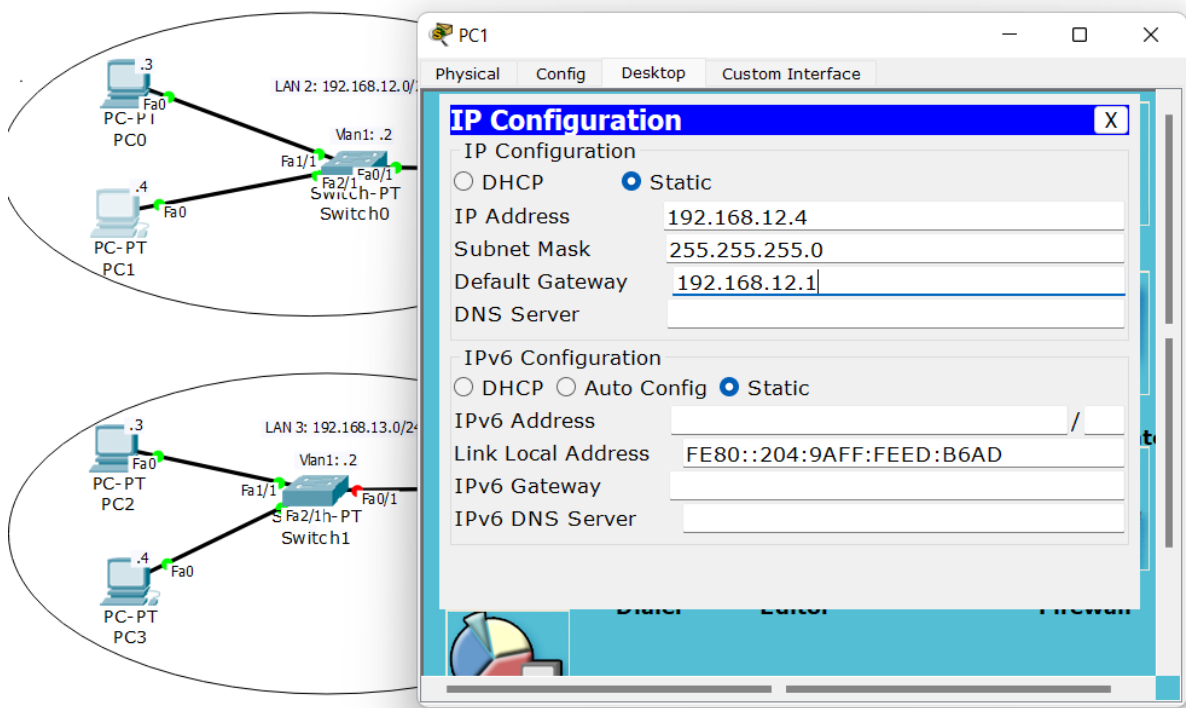


The network diagram shows two LANs. LAN 2 (192.168.12.0/24) contains PC0 (IP .3) and PC1 (IP .4) connected to Switch0. LAN 3 (192.168.13.0/24) contains PC2 (IP .3) and PC3 (IP .4) connected to Switch1. The PC0 configuration window is shown with the following settings:

IP Configuration	
IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	192.168.12.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.12.1
DNS Server	
IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	
Link Local Address	FE80::2E0:A3FF:FE99:8382
IPv6 Gateway	
IPv6 DNS Server	

Thiết lập địa chỉ IP cho PC0

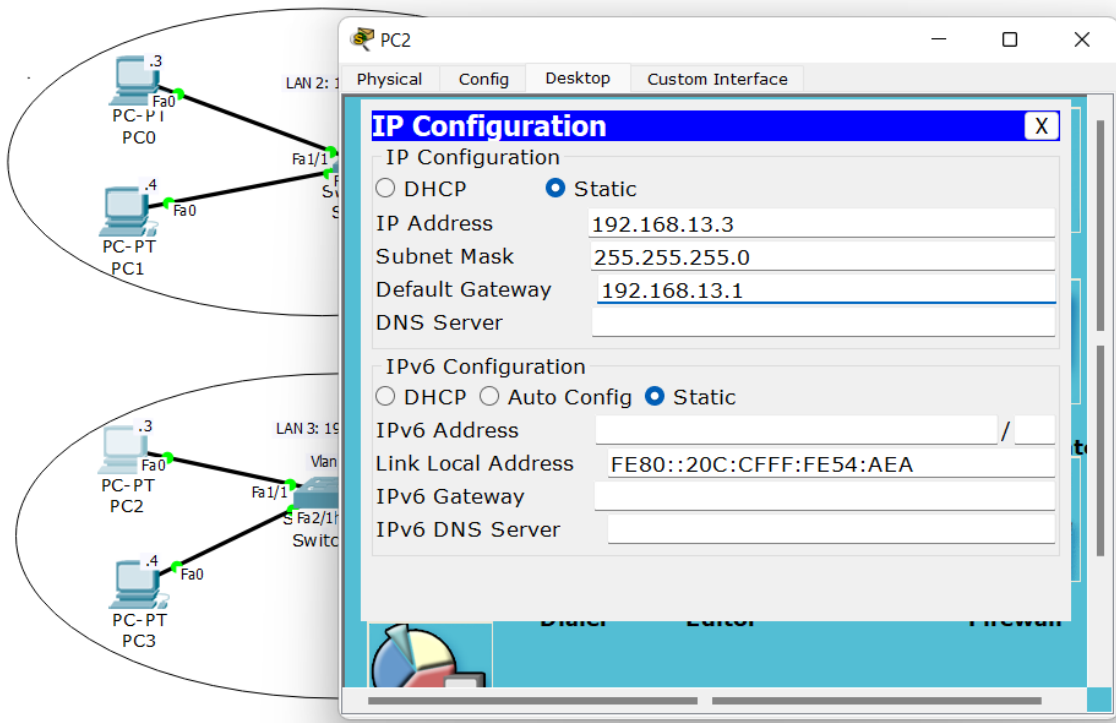
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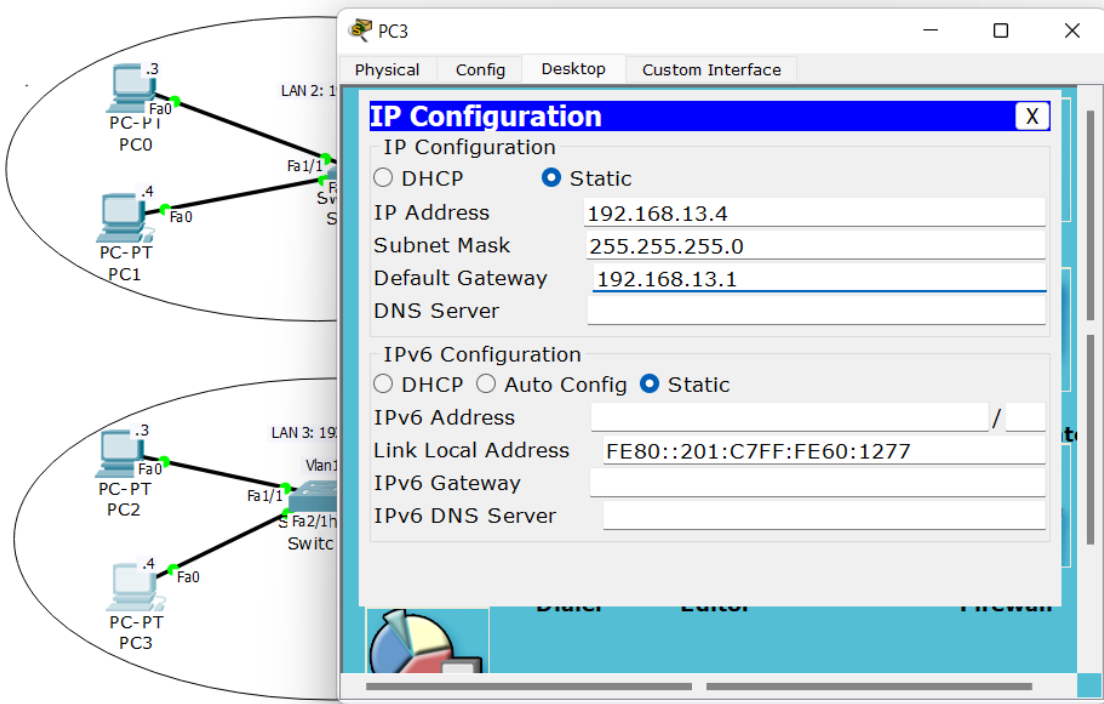
The network diagram is identical to the previous one. The PC1 configuration window is shown with the following settings:

IP Configuration	
IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	192.168.12.4
Subnet Mask	255.255.255.0
Default Gateway	192.168.12.1
DNS Server	
IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	
Link Local Address	FE80::204:9AFF:FEED:B6AD
IPv6 Gateway	
IPv6 DNS Server	

Thiết lập địa chỉ IP cho PC1



Thiết lập địa chỉ IP cho PC2



Thiết lập địa chỉ IP cho PC3

B5. Lưu lại file mới với tên MSSV_HOTEN_RIP.pkt (ĐÃ LƯU)

B6. Kiểm tra kết nối giữa PC1 và PC3

Packet Tracer PC Command Line 1.0

PC>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::204:9AFF:FEED:B6AD

IP Address.....: 192.168.12.4

Subnet Mask.....: 255.255.255.0

Default Gateway.....: 192.168.12.1

PC>ping 192.168.13.4

Pinging 192.168.13.4 with 32 bytes of data:

Reply from 192.168.12.1: Destination host unreachable.

Reply from 192.168.12.1: Destination host unreachable.

Reply from 192.168.12.1: Destination host unreachable.

Reply from 192.168.12.1: Destination host unreachable.

Ping statistics for 192.168.13.4:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>

B7. Kiểm tra kết nối giữa PC0 và PC2

```
PC>ipconfig
```

```
FastEthernet0 Connection:(default port)
```

```
Link-local IPv6 Address.....: FE80::2E0:A3FF:FE99:8382
```

```
IP Address.....: 192.168.12.3
```

```
Subnet Mask.....: 255.255.255.0
```

```
Default Gateway.....: 192.168.12.1
```

```
PC>ping 192.168.13.3
```

```
Pinging 192.168.13.3 with 32 bytes of data:
```

```
Reply from 192.168.12.1: Destination host unreachable.
```

```
Reply from 192.168.12.1: Destination host unreachable.
```

```
Reply from 192.168.12.1: Destination host unreachable.
```

```
Reply from 192.168.12.1: Destination host unreachable.
```

```
Ping statistics for 192.168.13.3:
```

```
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

```
PC>
```

B8. Kiểm tra kết nối giữa PC0 và Router0

```
PC>ipconfig
```

```
FastEthernet0 Connection:(default port)
```

```
Link-local IPv6 Address.....: FE80::2E0:A3FF:FE99:8382
```

```
IP Address.....: 192.168.12.3
```

```
Subnet Mask.....: 255.255.255.0
```

```
Default Gateway.....: 192.168.12.1
```

```
PC>ping 192.168.11.1
```

```
Pinging 192.168.11.1 with 32 bytes of data:
```

```
Reply from 192.168.11.1: bytes=32 time=11ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Ping statistics for 192.168.11.1:
```

```
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
Minimum = 0ms, Maximum = 11ms, Average = 2ms
```

```
PC>
```

B9. Kiểm tra kết nối giữa PC2 và Router1

Packet Tracer PC Command Line 1.0

PC>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::20C:CFFF:FE54:AEA
IP Address.....: 192.168.13.3
Subnet Mask.....: 255.255.255.0
Default Gateway.....: 192.168.13.1

PC>ping 192.168.11.2

Pinging 192.168.11.2 with 32 bytes of data:

Reply from 192.168.11.2: bytes=32 time=11ms TTL=255
Reply from 192.168.11.2: bytes=32 time=0ms TTL=255
Reply from 192.168.11.2: bytes=32 time=0ms TTL=255
Reply from 192.168.11.2: bytes=32 time=0ms TTL=255

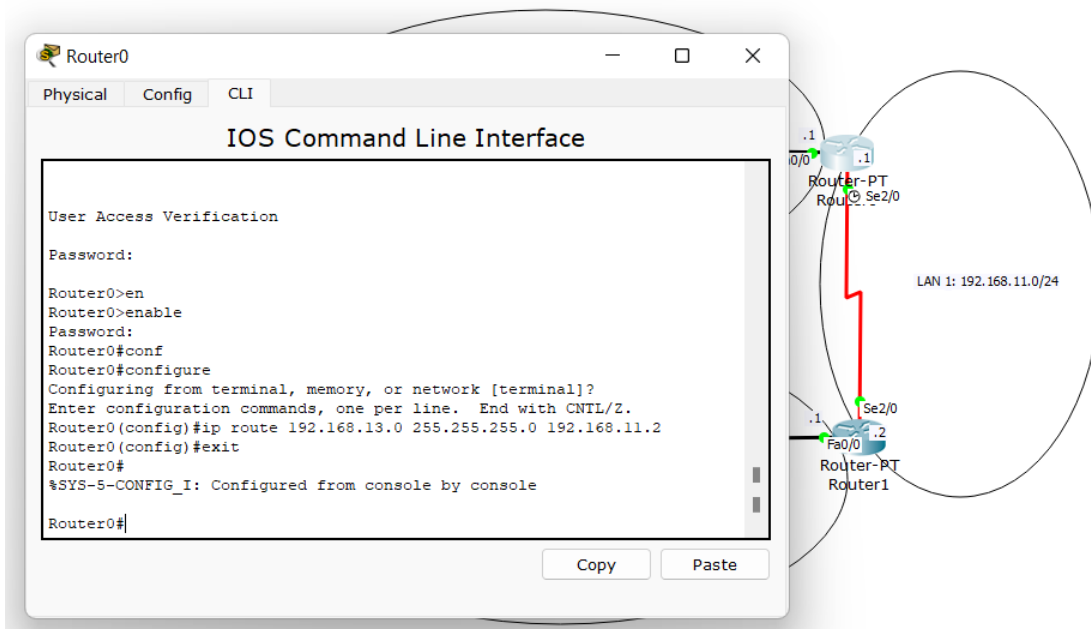
Ping statistics for 192.168.11.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 11ms, Average = 2ms

PC>

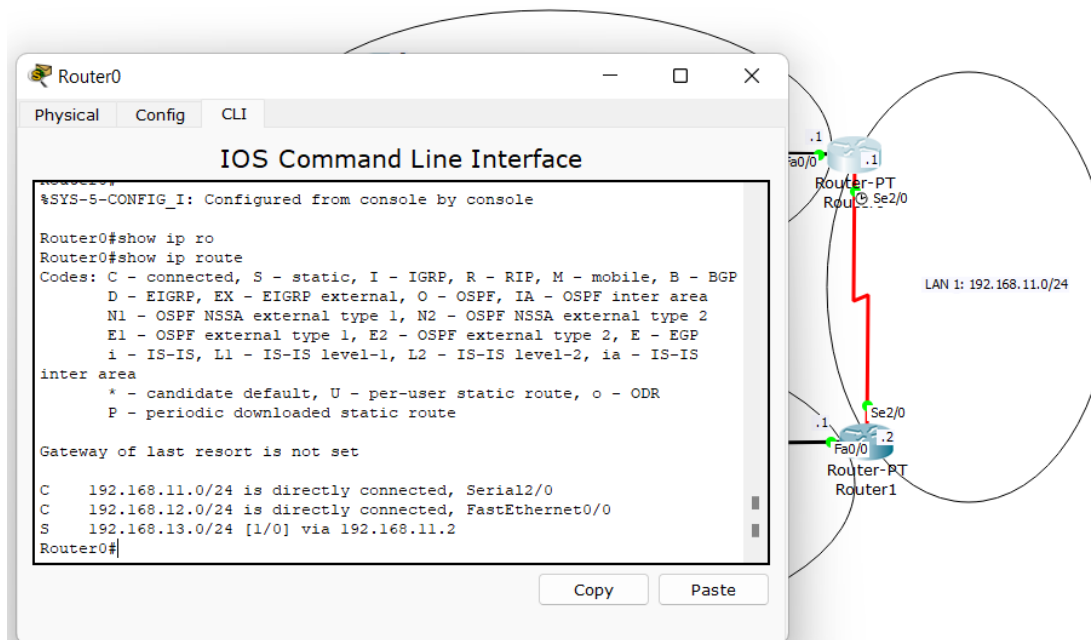
B10. Thực hiện định tuyến tĩnh cho Router0

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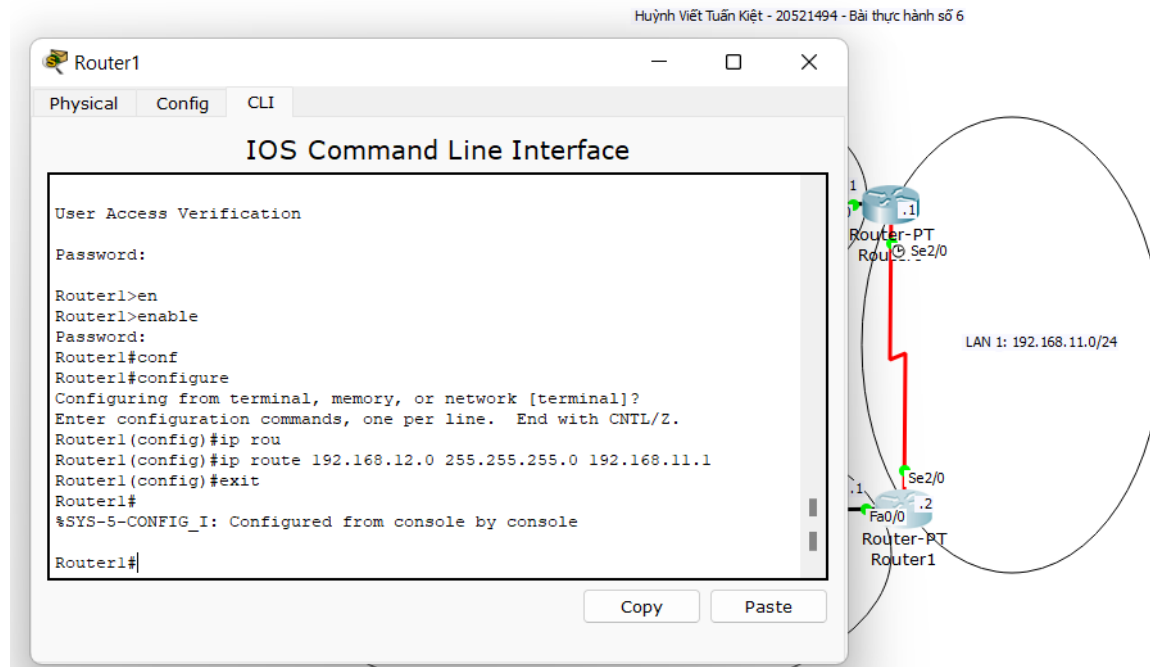
B11. Xem bảng định tuyến của Router 0, bằng lệnh router# show ip route

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B12. Thực hiện định tuyến tĩnh cho Router1

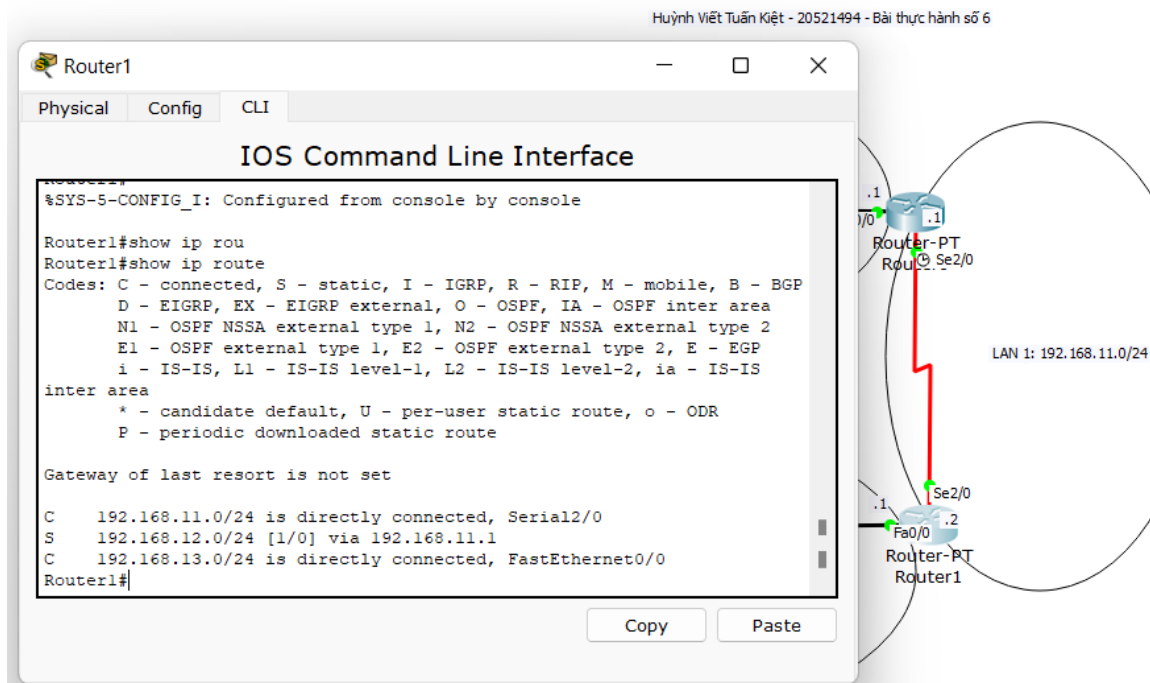
Huỳnh Việt Tuấn Kiệt - 20521494 - Bài thực hành số 6



```
Router1>en
Router1>enable
Password:
Router1#conf
Router1#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router1(config)#ip rou
Router1(config)#ip route 192.168.12.0 255.255.255.0 192.168.11.1
Router1(config)#exit
Router1#
%SYS-5-CONFIG_I: Configured from console by console
Router1#
```

B13. Xem bảng định tuyến của Router 1, bằng lệnh router# show ip route

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```
Router1#show ip rou
Router1#show ip route
Codes: C - connected, S - static, I - IGRP, 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

C    192.168.11.0/24 is directly connected, Serial2/0
S    192.168.12.0/24 [1/0] via 192.168.11.1
C    192.168.13.0/24 is directly connected, FastEthernet0/0
Router1#
```

B14. Thực hiện lại các bước 6, 7, 8, 9

```
Packet Tracer PC Command Line 1.0
PC>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::204:9AFF:FEED:B6AD
IP Address.....: 192.168.12.4
Subnet Mask.....: 255.255.255.0
Default Gateway.....: 192.168.12.1

PC>ping 192.168.13.4

Pinging 192.168.13.4 with 32 bytes of data:

Request timed out.
Reply from 192.168.13.4: bytes=32 time=2ms TTL=126
Reply from 192.168.13.4: bytes=32 time=12ms TTL=126
Reply from 192.168.13.4: bytes=32 time=2ms TTL=126

Ping statistics for 192.168.13.4:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 12ms, Average = 5ms

PC>ping 192.168.13.4

Pinging 192.168.13.4 with 32 bytes of data:

Reply from 192.168.13.4: bytes=32 time=1ms TTL=126
Reply from 192.168.13.4: bytes=32 time=13ms TTL=126
Reply from 192.168.13.4: bytes=32 time=1ms TTL=126
Reply from 192.168.13.4: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.13.4:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 13ms, Average = 4ms

PC>
```

Kiểm tra kết nối giữa PC1 và PC3

Packet Tracer PC Command Line 1.0

PC>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::2E0:A3FF:FE99:8382

IP Address.....: 192.168.12.3

Subnet Mask.....: 255.255.255.0

Default Gateway.....: 192.168.12.1

PC>ping 192.168.13.3

Pinging 192.168.13.3 with 32 bytes of data:

Request timed out.

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.13.3:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 1ms, Average = 1ms

PC>ping 192.168.13.3

Pinging 192.168.13.3 with 32 bytes of data:

Reply from 192.168.13.3: bytes=32 time=18ms TTL=126

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Reply from 192.168.13.3: bytes=32 time=11ms TTL=126

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.13.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 18ms, Average = 7ms

PC>

Kiểm tra kết nối giữa PC0 và PC2


```
PC>ipconfig
```

```
FastEthernet0 Connection:(default port)
```

```
Link-local IPv6 Address.....: FE80::2E0:A3FF:FE99:8382
```

```
IP Address.....: 192.168.12.3
```

```
Subnet Mask.....: 255.255.255.0
```

```
Default Gateway.....: 192.168.12.1
```

```
PC>ping 192.168.11.1
```

```
Pinging 192.168.11.1 with 32 bytes of data:
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Ping statistics for 192.168.11.1:
```

```
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
PC>
```

Kiểm tra kết nối giữa PC0 và Router0

Packet Tracer PC Command Line 1.0

PC>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::20C:CFFF:FE54:AEA

IP Address.....: 192.168.13.3

Subnet Mask.....: 255.255.255.0

Default Gateway.....: 192.168.13.1

PC>ping 192.168.11.2

Pinging 192.168.11.2 with 32 bytes of data:

Reply from 192.168.11.2: bytes=32 time=0ms TTL=255

Reply from 192.168.11.2: bytes=32 time=0ms TTL=255

Reply from 192.168.11.2: bytes=32 time=0ms TTL=255

Reply from 192.168.11.2: bytes=32 time=0ms TTL=255

Ping statistics for 192.168.11.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>

Kiểm tra kết nối giữa PC2 và Router1

B15. Lưu tập tin cấu hình đang hoạt động thành tập tin cấu hình khởi động (ĐÃ LƯU)

TASK 2: ĐỊNH TUYẾN ĐỘNG SỬ DỤNG RIP

B16. Thực hiện định tuyến động cho Router0

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The screenshot displays the Cisco Packet Tracer interface. On the left, the 'Router0' window is open, showing the 'CLI' tab. The 'IOS Command Line Interface' shows the following commands and output:

```
User Access Verification
Password:

Router0>en
Router0>enable
Password:
Router0#conf
Router0#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router0(config)#rou
Router0(config)#router rip
Router0(config-router)#net
% Incomplete command.
Router0(config-router)#net
Router0(config-router)#network 192.168.11.0
Router0(config-router)#network 192.168.12.0
Router0(config-router)#exit
Router0(config)#exit
Router0#
%SYS-5-CONFIG_I: Configured from console by console
```

On the right, a network diagram shows two routers, 'Router-PT' (Router0) and 'Router-PT' (Router1), connected via a serial link (Se2/0). Router0 is also connected to a LAN (LAN 1: 192.168.11.0/24) via its Fa0/0 interface. The diagram includes a red line representing the serial connection and a green line representing the LAN connection.

B17. Xem bảng định tuyến của Router 0, bằng lệnh Router#show ip route

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Router0

Physical Config CLI

IOS Command Line Interface

```
Building configuration...
[OK]
Router0#show ip ro
Router0#show ip route
Codes: C - connected, S - static, I - IGRP, 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

C    192.168.11.0/24 is directly connected, Serial2/0
C    192.168.12.0/24 is directly connected, FastEthernet0/0
R    192.168.13.0/24 [120/1] via 192.168.11.2, 00:00:21, Serial2/0
Router0#
```

Copy Paste

Router-PT Router0

Router-PT Router1

LAN 1: 192.168.11.0/24

B18. Thực hiện định tuyến động cho Router1

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Router1

Physical Config CLI

IOS Command Line Interface

```
User Access Verification

Password:

Router1>en
Router1>enable
Password:
Router1#conf
Router1#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router1(config)#rou
Router1(config)#router rip
Router1(config-router)#net
Router1(config-router)#network 192.168.11.0
Router1(config-router)#network 192.168.13.0
Router1(config-router)#exit
Router1(config)#exit
Router1#
%SYS-5-CONFIG_I: Configured from console by console
```

Copy Paste

Router-PT Router0

Router-PT Router1

LAN 1: 192.168.11.0/24

B19. Xem bảng định tuyến của Router 1, bằng lệnh Router# show ip route

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The screenshot displays a Cisco Packet Tracer simulation. In the foreground, a window titled "Router1" is open, showing the "CLI" (Command Line Interface) tab. The window contains the following text:

```
Router1#show ip
Router1#show ip ro
Router1#show ip route
Codes: C - connected, S - static, I - IGRP, 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

C    192.168.11.0/24 is directly connected, Serial2/0
R    192.168.12.0/24 [120/1] via 192.168.11.1, 00:00:07, Serial2/0
C    192.168.13.0/24 is directly connected, FastEthernet0/0
Router1#
```

Below the CLI window, a network diagram is visible. It shows two routers connected by a serial link. The top router is labeled "Router-PT" and has a Fa0/0 interface connected to a LAN labeled "LAN 1: 192.168.11.0/24". The bottom router is labeled "Router1" and has a Fa0/0 interface connected to a LAN labeled "LAN 2: 192.168.12.0/24". The serial link between the two routers is labeled "Se2/0".

B20. Thực hiện lại các bước 6, 7, 8, 9

```
Packet Tracer PC Command Line 1.0
PC>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::204:9AFF:FEED:B6AD
IP Address.....: 192.168.12.4
Subnet Mask.....: 255.255.255.0
Default Gateway.....: 192.168.12.1

PC>ping 192.168.13.4

Pinging 192.168.13.4 with 32 bytes of data:

Request timed out.
Reply from 192.168.13.4: bytes=32 time=2ms TTL=126
Reply from 192.168.13.4: bytes=32 time=1ms TTL=126
Reply from 192.168.13.4: bytes=32 time=12ms TTL=126

Ping statistics for 192.168.13.4:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 12ms, Average = 5ms

PC>ping 192.168.13.4

Pinging 192.168.13.4 with 32 bytes of data:

Reply from 192.168.13.4: bytes=32 time=3ms TTL=126
Reply from 192.168.13.4: bytes=32 time=2ms TTL=126
Reply from 192.168.13.4: bytes=32 time=14ms TTL=126
Reply from 192.168.13.4: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.13.4:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 14ms, Average = 5ms

PC>
```

Kiểm tra kết nối giữa PC1 và PC3

Packet Tracer PC Command Line 1.0

PC>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::2E0:A3FF:FE99:8382

IP Address.....: 192.168.12.3

Subnet Mask.....: 255.255.255.0

Default Gateway.....: 192.168.12.1

PC>ping 192.168.13.3

Pinging 192.168.13.3 with 32 bytes of data:

Request timed out.

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Reply from 192.168.13.3: bytes=32 time=2ms TTL=126

Ping statistics for 192.168.13.3:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 2ms, Average = 1ms

PC>ping 192.168.13.3

Pinging 192.168.13.3 with 32 bytes of data:

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Reply from 192.168.13.3: bytes=32 time=1ms TTL=126

Reply from 192.168.13.3: bytes=32 time=22ms TTL=126

Reply from 192.168.13.3: bytes=32 time=2ms TTL=126

Ping statistics for 192.168.13.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 22ms, Average = 6ms

PC>

Kiểm tra kết nối giữa PC0 và PC2

```
PC>ipconfig
```

```
FastEthernet0 Connection:(default port)
```

```
Link-local IPv6 Address.....: FE80::2E0:A3FF:FE99:8382
```

```
IP Address.....: 192.168.12.3
```

```
Subnet Mask.....: 255.255.255.0
```

```
Default Gateway.....: 192.168.12.1
```

```
PC>ping 192.168.11.1
```

```
Pinging 192.168.11.1 with 32 bytes of data:
```

```
Reply from 192.168.11.1: bytes=32 time=1ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Reply from 192.168.11.1: bytes=32 time=0ms TTL=255
```

```
Ping statistics for 192.168.11.1:
```

```
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

```
PC>
```

Kiểm tra kết nối giữa PC0 và Router0

Packet Tracer PC Command Line 1.0

PC>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::20C:CFFF:FE54:AEA

IP Address.....: 192.168.13.3

Subnet Mask.....: 255.255.255.0

Default Gateway.....: 192.168.13.1

PC>ping 192.168.11.2

Pinging 192.168.11.2 with 32 bytes of data:

Reply from 192.168.11.2: bytes=32 time=1ms TTL=255

Reply from 192.168.11.2: bytes=32 time=1ms TTL=255

Reply from 192.168.11.2: bytes=32 time=1ms TTL=255

Reply from 192.168.11.2: bytes=32 time=0ms TTL=255

Ping statistics for 192.168.11.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>

Kiểm tra kết nối giữa PC2 và Router1

B21. Lưu tập tin cấu hình đang hoạt động thành tập tin cấu hình khởi động (ĐÃ LƯU)

END