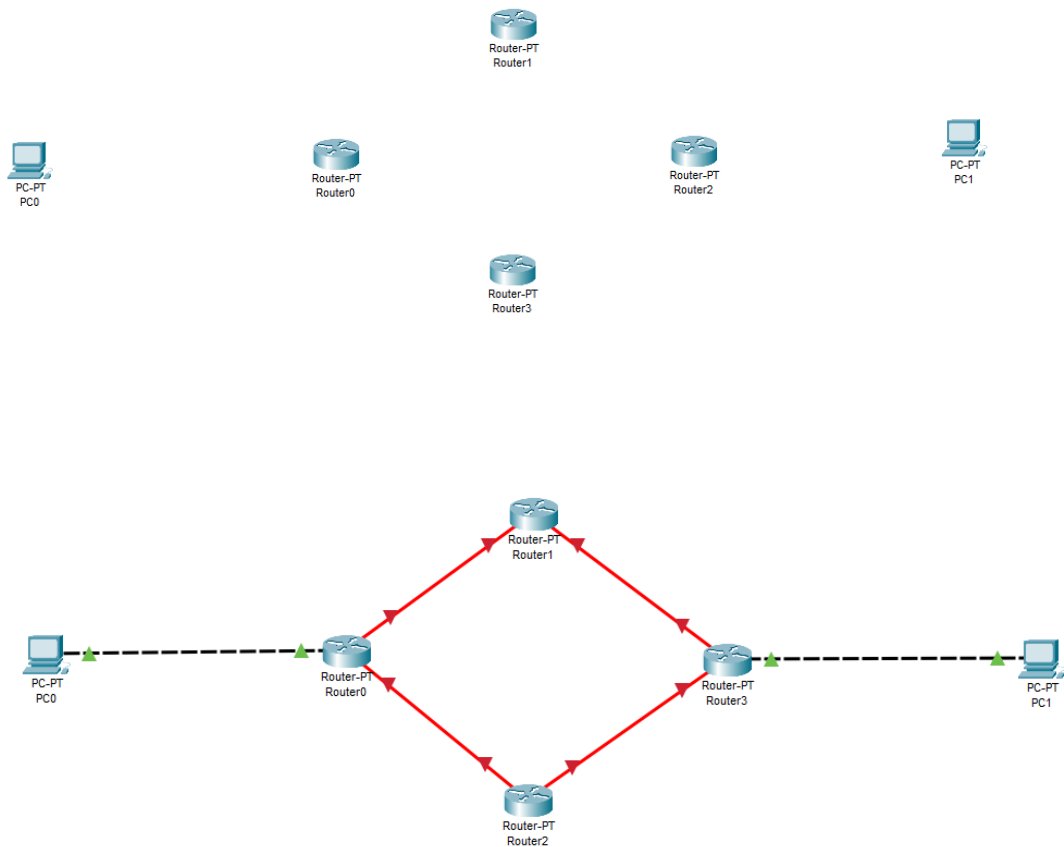# Практическая работа номер 27

1. Создаем сеть

2. Настраиваем роутер0

```
Router(config-if)#exit
Router(config)#interface FastEthernet4/0
Router(config-if)#no shutdown
Router(config-if)#shutdown
Router(config-if)#
Router(config-if)#int fa0/0
Router(config-if)#ip ad 192.168.1.100 255.255.255.0
Router(config-if)#no sh
Router(config-if)#
Router(config-if)#int fa4/0
Router(config-if)#ip ad 192.168.3.100 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet4/0, changed state to down
Router(config-if)#int fa5/0
Router(config-if)#ip ad 192.168.4.100 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to down
Router(config-if)#ro eigrp 100
Router(config-router)#net 192.168.1.0
Router(config-router)#net 192.168.3.0
Router(config-router)#net 192.168.4.0
Router(config-router)#exit
Router(config)#
```

3. Настраиваем Роутер1

```
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int fa4/0
Router(config-if)#ip ad 192.168.3.200 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet4/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/0, changed state to up

Router(config-if)#int fa5/0
Router(config-if)#ip ad 192.168.5.200 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to down
Router(config-if)#ro eigrp 100
Router(config-router)#net 192.168.3.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.3.100 (FastEthernet4/0) is up: new
adjacency

Router(config-router)#net 192.168.5.0
Router(config-router)#exit
Router(config)#
```

4. Настраиваем роутер3

```
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet4/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/0, changed state to up

Router(config-if)#int fa5/0
Router(config-if)#ip ad 192.168.6.200 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to down
Router(config-if)#
Router(config-if)#ro eigrp
                       ^
% Invalid input detected at '^' marker.

Router(config-if)#ro eigrp 100
Router(config-router)#net 192.168.4.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.4.100 (FastEthernet4/0) is up: new
adjacency

Router(config-router)#net 192.168.6.0
Router(config-router)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to up

%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.6.100 (FastEthernet5/0) is up: new
adjacency
```

5. Настраиваем роутер2

```
Router(config-if)#int fa5/0
Router(config-if)#ip ad 192.168.6.100 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to up

Router(config-if)#ro eigrp 100
Router(config-router)#net 192.168.2.0
Router(config-router)#net 192.168.5.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.5.200 (FastEthernet4/0) is up: new
adjacency

Router(config-router)#net 192.168.6.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.6.200 (FastEthernet5/0) is up: new
adjacency

Router(config-router)#
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet4/0
Router(config-if)#
%SYS-5-CONFIG_I: Configured from console by console

Router(config-if)#exit
Router(config)#interface FastEthernet5/0
Router(config-if)#
```

6. Пингуем

PC0

Physical | Config | Desktop | Programming | Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time=8ms TTL=125
Reply from 192.168.2.1: bytes=32 time=8ms TTL=125
Reply from 192.168.2.1: bytes=32 time=8ms TTL=125

Router-PT
Router1

PC-PT
PC0

Router-PT
Router0

Router-PT
Router3

PC
PC

Router-PT
Router2

Router-PT
Router1

PC-PT
PC0

Router-PT
Router0

Router-PT
Router3

PC-PT
PC1

Router-PT
Router2

PC0

Physical | Config | Desktop | Programming | Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time=8ms TTL=125
Reply from 192.168.2.1: bytes=32 time=8ms TTL=125
Reply from 192.168.2.1: bytes=32 time=8ms TTL=125
Reply from 192.168.2.1: bytes=32 time=8ms TTL=125

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 8ms, Average = 8ms

C:\>

Router-PT
Router1

PC-PT
PC0

Router-PT
Router0

Router-PT
Router3

PC-PT
PC1

Router-PT
Router2

Router-PT
Router3

PC-PT
PC1

Router-PT
Router1

PC-PT
PC0

Router-PT
Router0

Router-PT
Router3

PC-PT
PC1

Router-PT
Router2

PC-PT
PC0