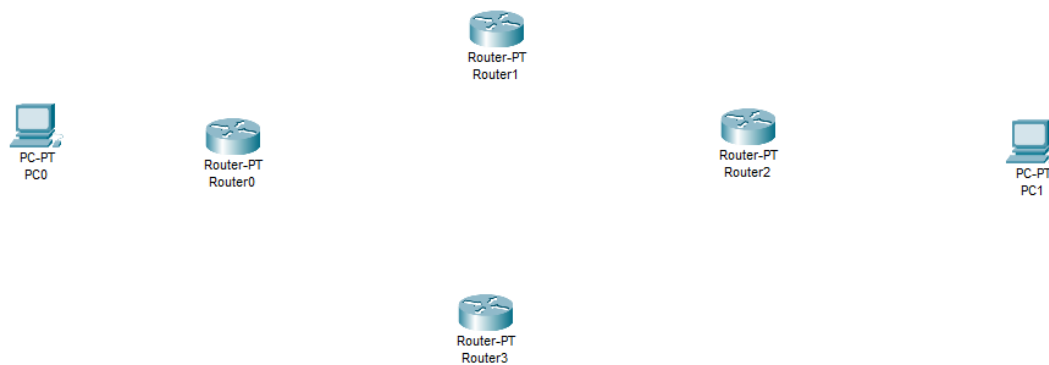


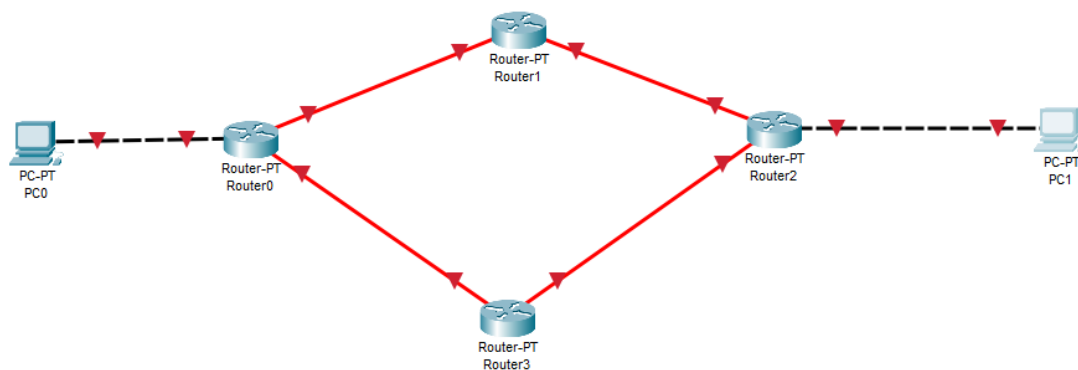
Практическая работа 27 – Распределение нагрузки маршрутизатором

Строим сеть



Настраиваем IP для левого 1.1 для правого 2.1 и задаем шлюз

ПК подключаем через Cross-over, а роутеры через Fiber



Роутер0

```

Router(config)#int fa0/0
Router(config-if)#ip ad 192.168.1.100 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
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)#no sh
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

```

Роутер1

```

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
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

```

Router3

```

Router(config)#int fa4/0
Router(config-if)#ip ad 192.168.4.200 255.255.255.0
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 192.168.6.200 255.255.255.0
Router(config-if)#no sh

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

```

Router2

```

Router2 Configuration Commands, one per line. END WITH CTRL/C.
Router2(config)#int fa0/0
Router2(config-if)#ip ad 192.168.2.100 255.255.255.0
Router2(config-if)#no sh

Router2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router2(config-if)#int fa4/0
Router2(config-if)#ip ad 192.168.5.100 255.255.255.0
Router2(config-if)#no sh

Router2(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

Router2(config-if)#int fa5/0
Router2(config-if)#ip ad 192.168.6.100 255.255.255.0
Router2(config-if)#no sh

Router2(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

Router2(config-if)#ro eigrp 100
Router2(config-router)#net 192.168.2.0
Router2(config-router)#net 192.168.5.0
Router2(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.5.200 (FastEthernet4/0) is up: new adjacency

Router2(config-router)#net 192.168.6.0
Router2(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.6.200 (FastEthernet5/0) is up: new adjacency

```

Тестируем отправку сразу двух пакетов

