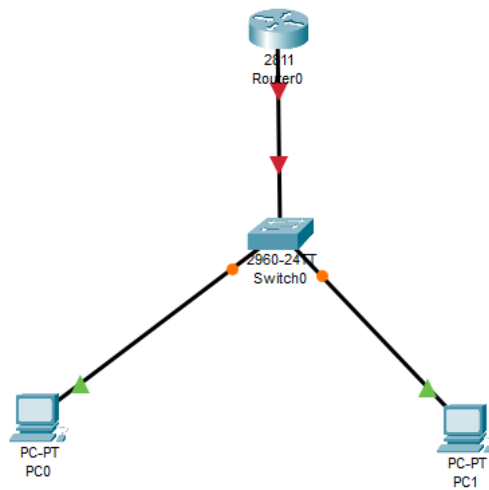
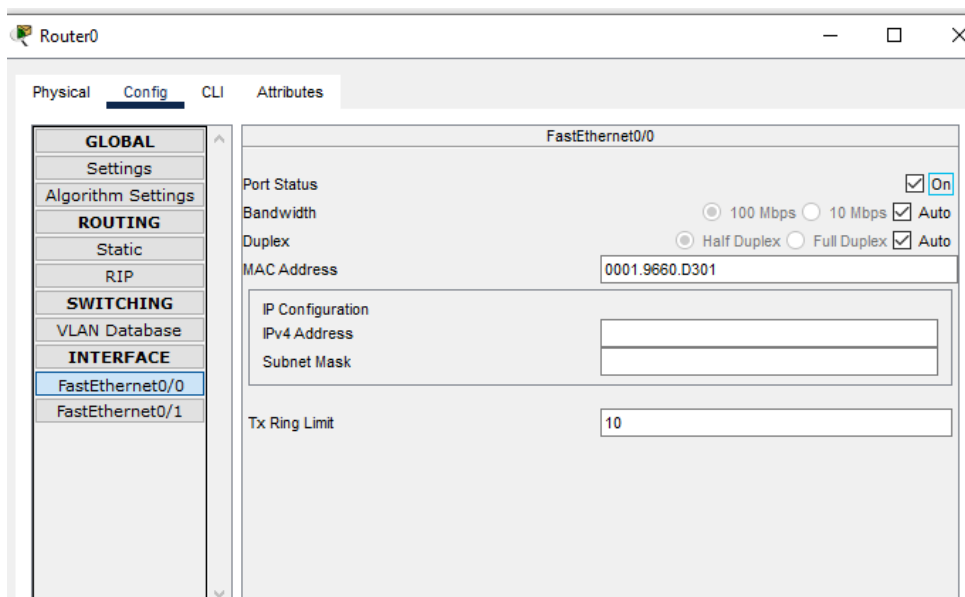


Практическая работа 10

Создаем сеть с роутером 2811



Включаем Fa0/0 роутера



Или включение через CLI

```
Router(config)#interface FastEthernet0/0
Router(config-if)#no shutdown

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
```

Задаем ip адрес

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.9660.D301

IP Configuration

IPv4 Address 192.168.0.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Пулу адресов службы DHCP задаем имя и конфигурируем службу

```
Router(config)#ip dhcp pool vashname
Router(dhcp-config)#network 192.168.0.0 255.255.255.0
```

Задаем порт в качестве шлюза на роутере

```
Router(dhcp-config)#default-router 192.168.0.1
Router(dhcp-config)#dns-server 7.7.7.7
```

Убираем ip адрес нашего роутера из пула адресов

```
Router(config)#ip dhcp excluded-address 192.168.0.1
```

Переходим в компьютер для проверки DHCP настройки

PC0

IP Address 192.168.0.2

Subnet Mask 255.255.255.0

IP Configuration

☒ DHCP

☐ Static

IPv4 Address 192.168.0.2

Subnet Mask 255.255.255.0

IPv6 Configuration

PC1

IP Configuration

☒ DHCP

☐ Static

IPv4 Address 192.168.0.3

Subnet Mask 255.255.255.0

Пингуем

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.3

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

Ping statistics for 192.168.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

Все работает