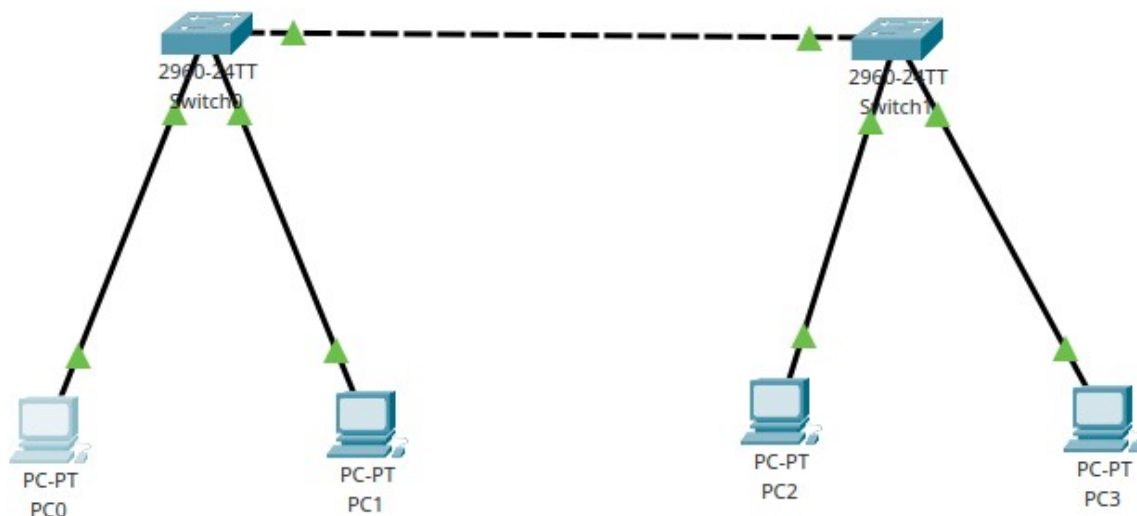


Создаём сеть:



Настроили сеть, проверяем передачу пакетов:

```
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.2.1

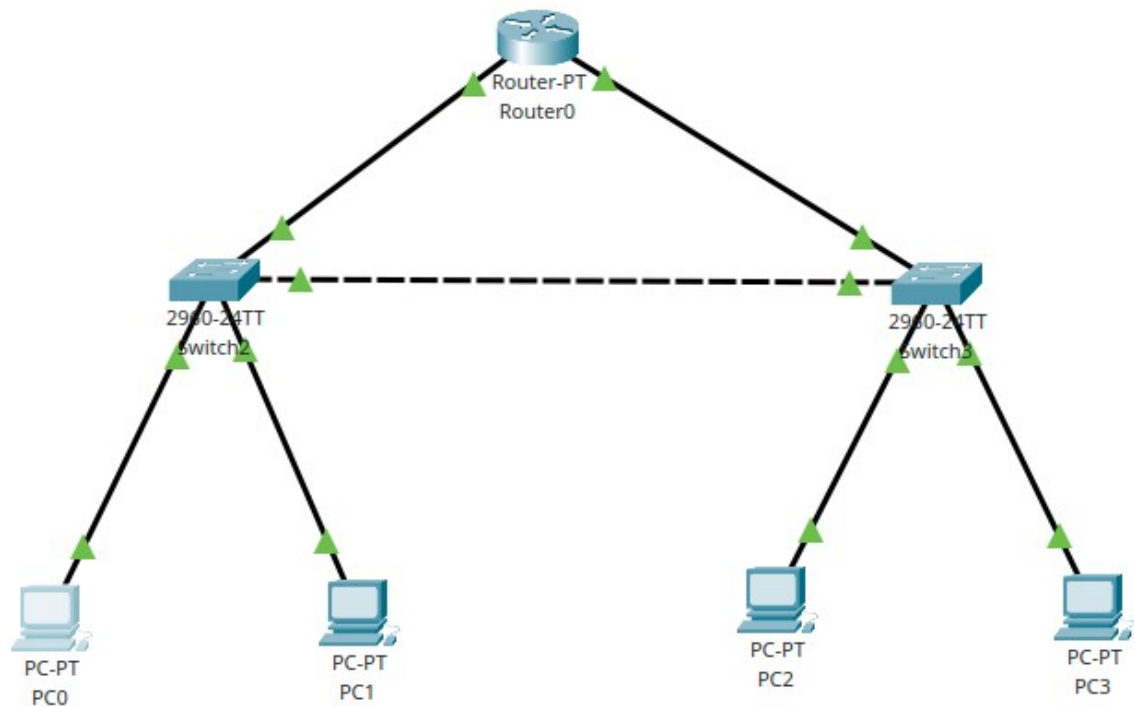
Pinging 192.168.2.1 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Пакеты передаются между ПК в одной подсети

Добавили роутер:



Настроили роутер и свитчи

Проверяем пинг между PC0 и PC3:

```
C:\>ping 192.168.2.2
```

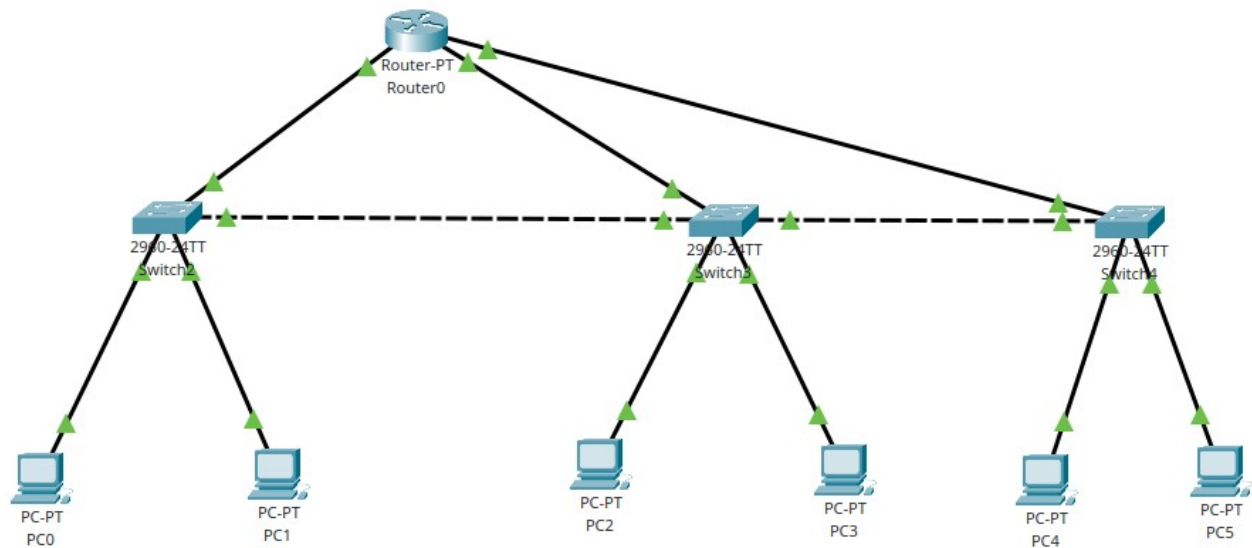
```
Pinging 192.168.2.2 with 32 bytes of data:
```

```
Reply from 192.168.2.2: bytes=32 time<1ms TTL=127
Reply from 192.168.2.2: bytes=32 time<1ms TTL=127
Reply from 192.168.2.2: bytes=32 time<1ms TTL=127
Reply from 192.168.2.2: bytes=32 time<1ms TTL=127
```

```
Ping statistics for 192.168.2.2:
```

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

Добавили и настроили новую сеть:



Проверили её с PC0:

```
C:\>ping 192.168.3.1
```

```
Pinging 192.168.3.1 with 32 bytes of data:
```

```
Reply from 192.168.3.1: bytes=32 time<1ms TTL=127
Reply from 192.168.3.1: bytes=32 time<1ms TTL=127
Reply from 192.168.3.1: bytes=32 time<1ms TTL=127
Reply from 192.168.3.1: bytes=32 time<1ms TTL=127
```

```
Ping statistics for 192.168.3.1:
```

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