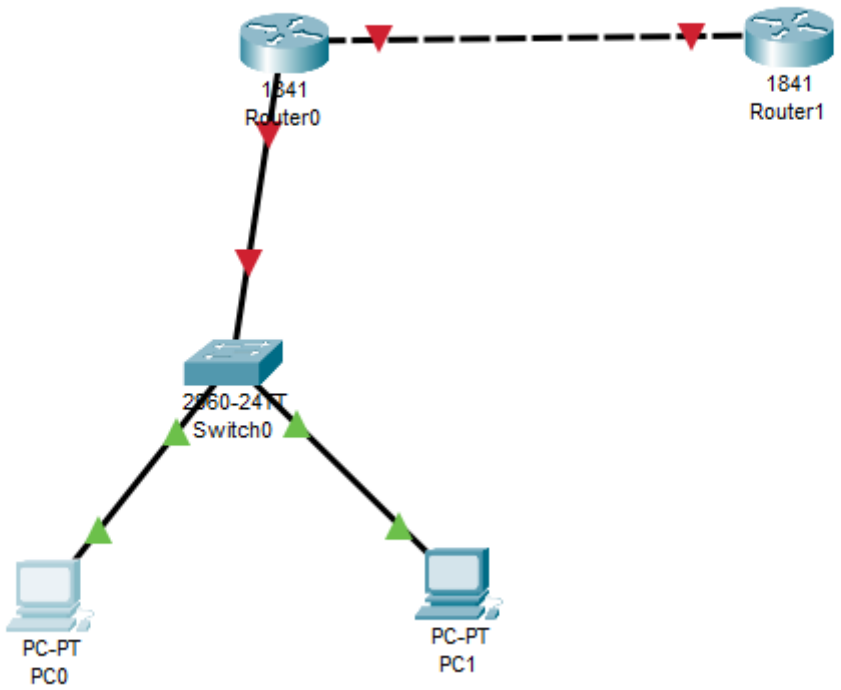
Компьютерные сети 23 – Динамический NAT

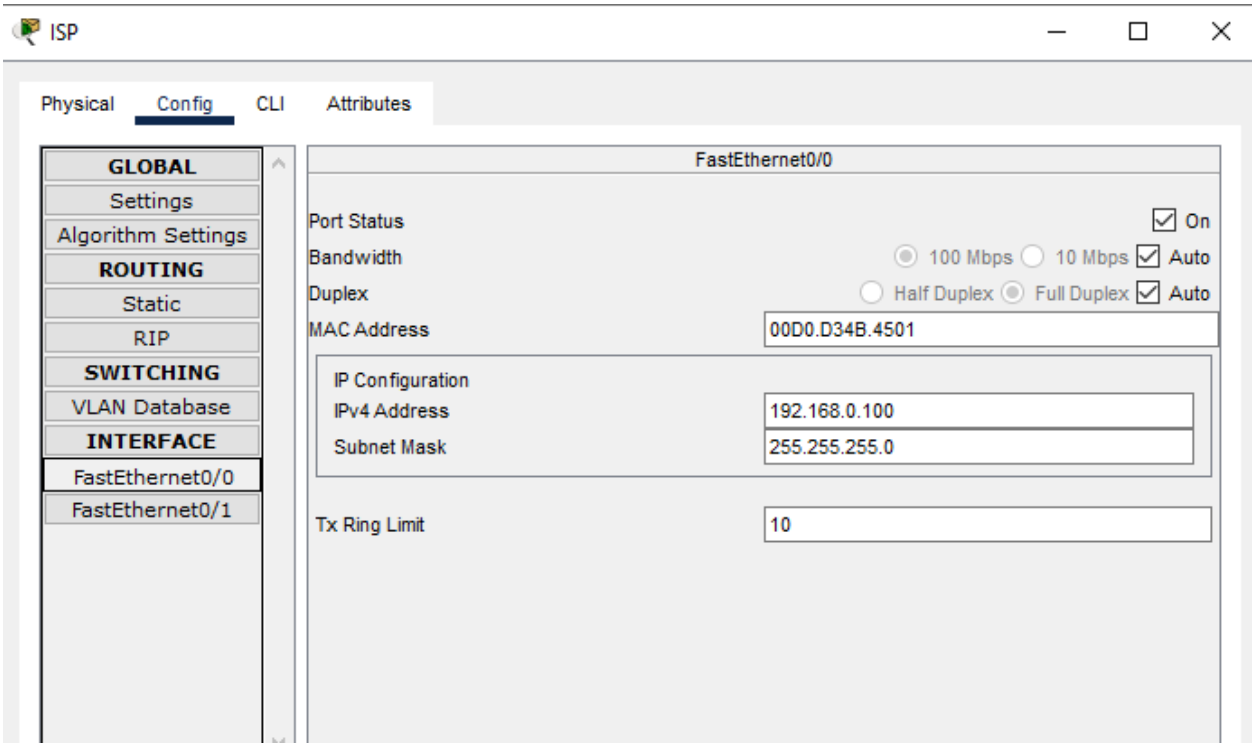
Строим сеть:



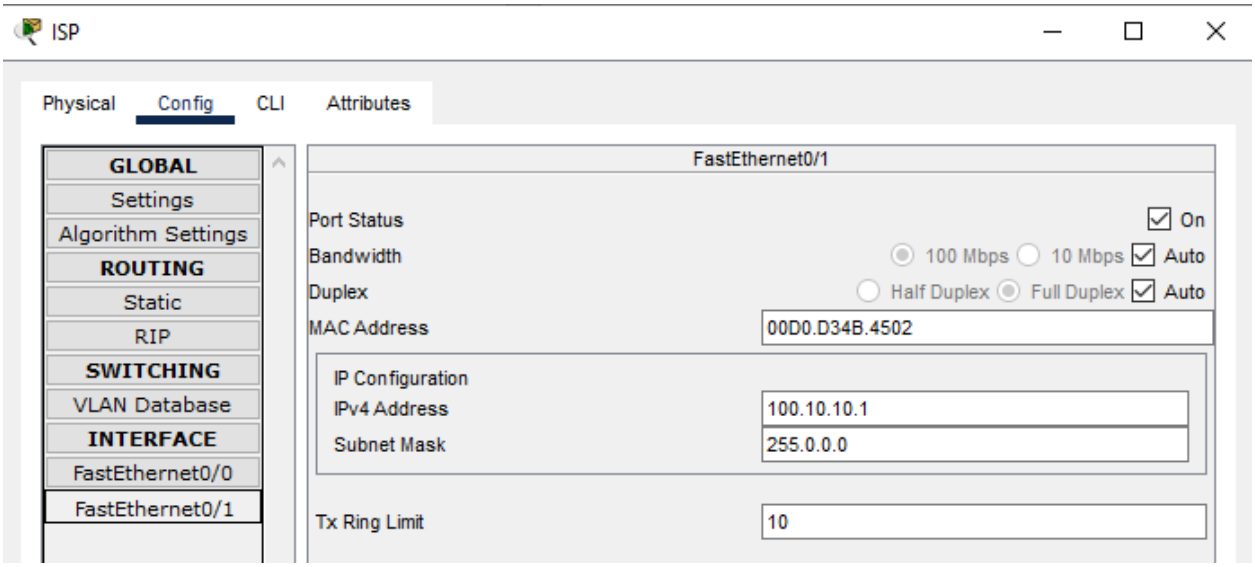
Настраиваем PC IP-адрес и шлюз

Настраиваем Роутер0

Подклбчение в сорону коммутатора



Подклбчение в сторону Роутера1



В терминале ISP (Роутера0)

```
Router(config)#access-list 1 permit 192.168.0.0 0.0.0.255
Router(config)#ip nat pool white-address 100.10.11.77 100.10.11.99 netmask 255.255.255.0
Router(config)#ip nat inside source list 1 pool white-address
Router(config)#int fa0/0
Router(config-if)#ip nat inside
Router(config-if)#int fa0/1
Router(config-if)#ip nat outside
```

Пингуем Роутер1

```
C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:

Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time=4ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254

Ping statistics for 100.10.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 4ms, Average = 1ms
```

Проверяем show ip nat translation

```
Router#show ip nat translation
Pro  Inside global     Inside local       Outside local      Outside global
icmp 100.10.11.77:5    192.168.0.2:5      100.10.10.2:5      100.10.10.2:5
icmp 100.10.11.77:6    192.168.0.2:6      100.10.10.2:6      100.10.10.2:6
icmp 100.10.11.77:7    192.168.0.2:7      100.10.10.2:7      100.10.10.2:7
icmp 100.10.11.77:8    192.168.0.2:8      100.10.10.2:8      100.10.10.2:8
```