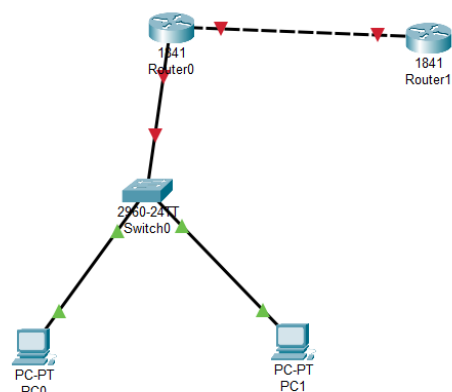


## Практическая работа 22 – Статистический NAT

### 1. Строю сеть



### 2. Настраиваю первый и второй роутер

FastEthernet0/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	00E0.A379.C301
IP Configuration	
IPv4 Address	192.168.0.100
Subnet Mask	255.255.255.0
Tx Ring Limit	10

FastEthernet0/1	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	00E0.A379.C302
IP Configuration	
IPv4 Address	100.10.10.1
Subnet Mask	255.0.0.0
Tx Ring Limit	10

FastEthernet0/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	0002.16C4.DC01
IP Configuration	
IPv4 Address	100.10.10.2
Subnet Mask	255.0.0.0
Tx Ring Limit	10

### 3. Настройка роутера0 (ISP)

```
Router(config-if)#exit
Router(config)#ip route 0.0.0.0 0.0.0.0 100.10.10.2
Router(config)#int fa0/0
Router(config-if)#ip nat insaide
                        ^
% Invalid input detected at '^' marker.

Router(config-if)#ip nat inside
Router(config-if)#int fa0/1
Router(config-if)#ip nat outside
Router(config-if)#exit
Router(config)#ip nat inside so
Router(config)#ip nat inside source static 192.168.0.1 100.10.11.1
Router(config)#ip nat inside source static 192.168.0.1 100.10.11.2
```

### 4. Пингую роутер1

```
C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:

Request timed out.
Request timed out.
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 = 2, Lost = 2 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

### 5. Show ip nat traslations

```
Router#show ip nat translations
```

Pro	Inside global	Inside local	Outside local	Outside global
---	100.10.11.1	192.168.0.1	---	---
---	100.10.11.2	192.168.0.1	---	---