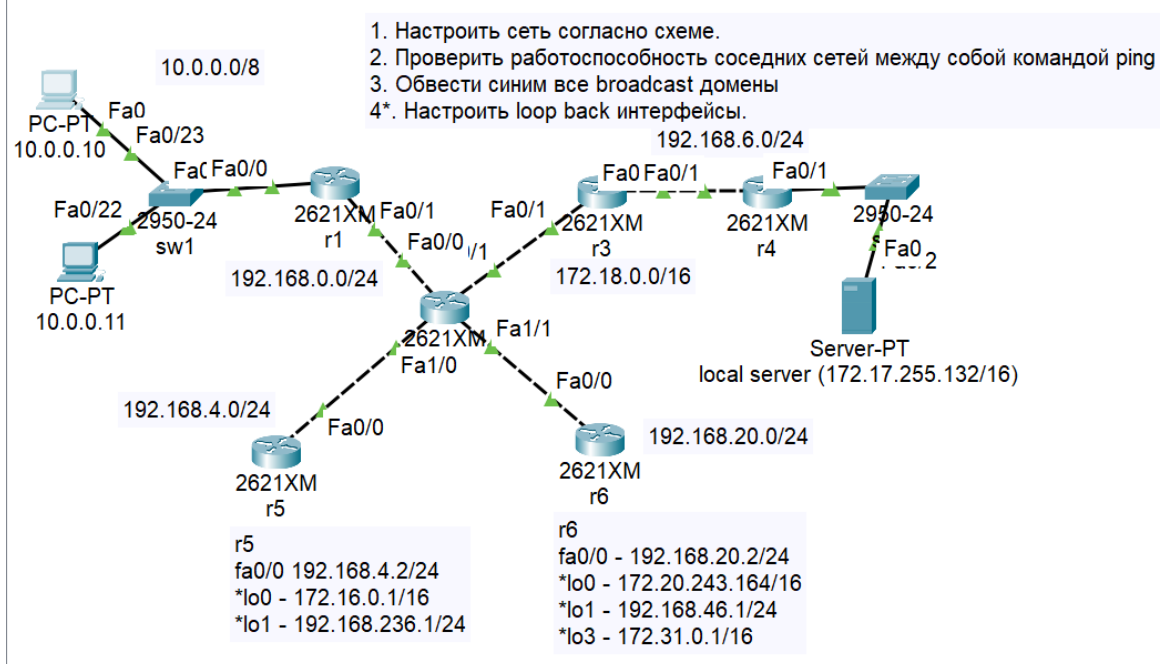


## Домашнее задание к семинару 3.

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Исправленная схема, все линки зеленые:



Tracert и пинг от 10.0.0.10 до 172.17.255.132

```
Ping statistics for 172.17.255.132:
  Packets: Sent = 2, Received = 0, Lost = 2 (100% loss),

Control-C
^C
C:\>tracert 172.17.255.132

Tracing route to 172.17.255.132 over a maximum of 30 hops:

  1  0 ms    0 ms    0 ms    10.0.0.1
  2  6 ms    0 ms    0 ms    192.168.0.2
  3  0 ms    0 ms    0 ms    172.18.0.2
  4  0 ms    0 ms    0 ms    192.168.6.2
  5  0 ms    0 ms    0 ms    172.17.255.132

Trace complete.

C:\>ping 172.17.255.132

Pinging 172.17.255.132 with 32 bytes of data:

Reply from 172.17.255.132: bytes=32 time<1ms TTL=124
Reply from 172.17.255.132: bytes=32 time=1ms TTL=124
Reply from 172.17.255.132: bytes=32 time=1ms TTL=124
Reply from 172.17.255.132: bytes=32 time<1ms TTL=124

Ping statistics for 172.17.255.132:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

Пинг и tracert от сервера к 10.0.0.11:

```
Tracing route to 10.0.0.11 over a maximum of 30 hops:
```

1	0 ms	0 ms	0 ms	172.17.0.1
2	0 ms	0 ms	0 ms	192.168.6.2
3	0 ms	0 ms	0 ms	172.18.0.2
4	0 ms	0 ms	0 ms	192.168.0.1
5	*	0 ms	0 ms	10.0.0.11

```
Trace complete.
```

```
C:\>tracert 10.0.0.11
```

```
Tracing route to 10.0.0.11 over a maximum of 30 hops:
```

1	0 ms	0 ms	0 ms	172.17.0.1
2	0 ms	0 ms	0 ms	192.168.6.2
3	0 ms	0 ms	0 ms	172.18.0.2
4	0 ms	0 ms	0 ms	192.168.0.1
5	0 ms	0 ms	4 ms	10.0.0.11

```
Trace complete.
```

ip route для r1:

```
Press RETURN to get started!
```

```
Router>show ip route
```

```
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
```

```
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
```

```
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
```

```
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
```

```
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS
```

```
inter area
```

```
       * - candidate default, U - per-user static route, o - ODR
```

```
       P - periodic downloaded static route
```

```
Gateway of last resort is 192.168.0.2 to network 0.0.0.0
```

```
C    10.0.0.0/8 is directly connected, FastEthernet0/0
```

```
C    192.168.0.0/24 is directly connected, FastEthernet0/1
```

```
S*   0.0.0.0/0 [1/0] via 192.168.0.2
```

```
Router>
```

Copy

Paste

ip route для r3:

```
Router> show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B -
BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter
area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type
2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS
inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is not set

S    10.0.0.0/8 [1/0] via 172.18.0.1
S    172.17.0.0/16 [1/0] via 192.168.6.2
C    172.18.0.0/16 is directly connected, FastEthernet0/1
S    192.168.0.0/24 [1/0] via 172.18.0.1
C    192.168.6.0/24 is directly connected, FastEthernet0/0

Router>
```

Пинг от 172.17.255.132 до интерфейсов в сетях 192.168.0.2, 172.18.0.0:

```
Pinging 172.18.0.1 with 32 bytes of data:

Reply from 172.18.0.1: bytes=32 time<1ms TTL=254
Reply from 172.18.0.1: bytes=32 time<1ms TTL=254
Reply from 172.18.0.1: bytes=32 time<1ms TTL=254
Reply from 172.18.0.1: bytes=32 time<1ms TTL=254

Ping statistics for 172.18.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\> ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Reply from 192.168.0.2: bytes=32 time<1ms TTL=253
Reply from 192.168.0.2: bytes=32 time<1ms TTL=253
Reply from 192.168.0.2: bytes=32 time<1ms TTL=253
Reply from 192.168.0.2: bytes=32 time<1ms TTL=253

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```