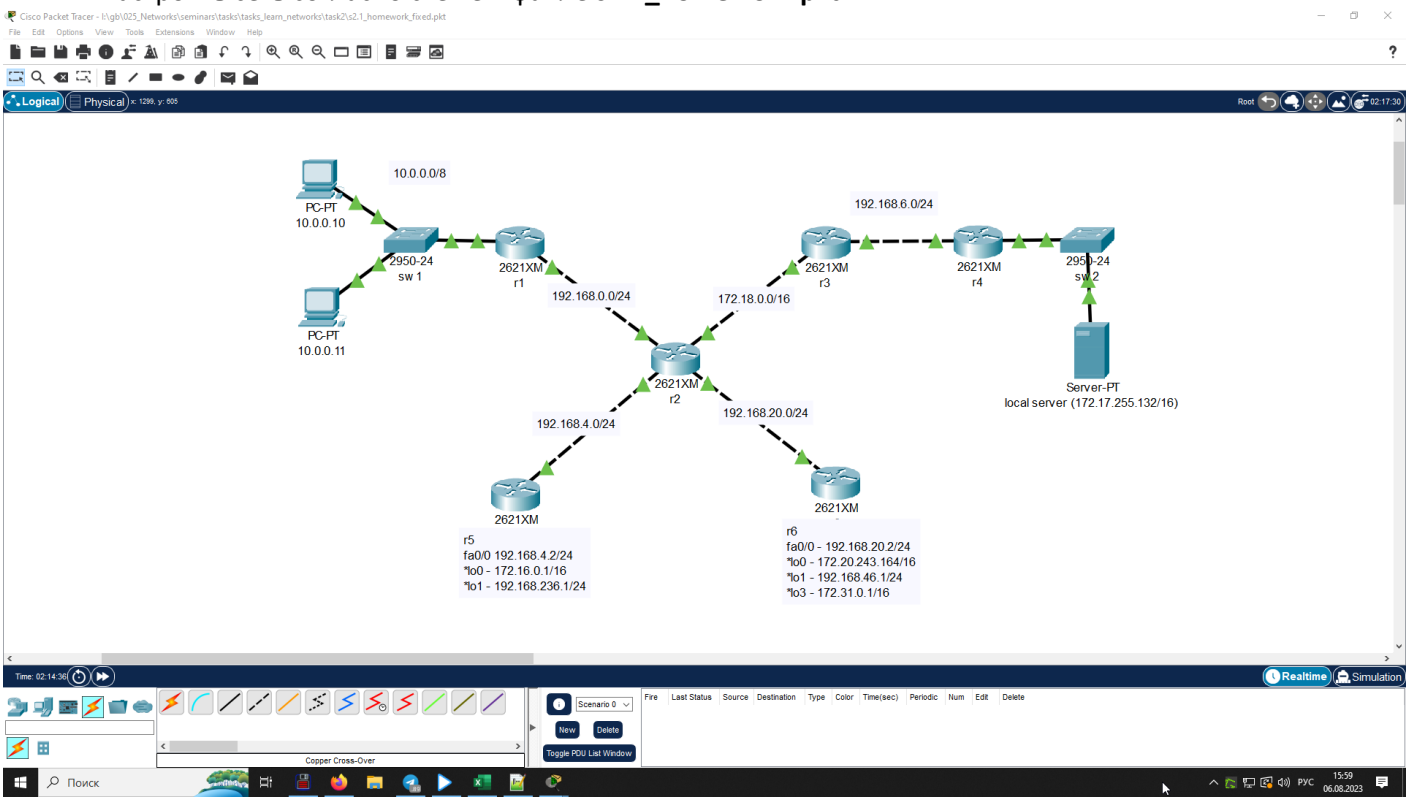
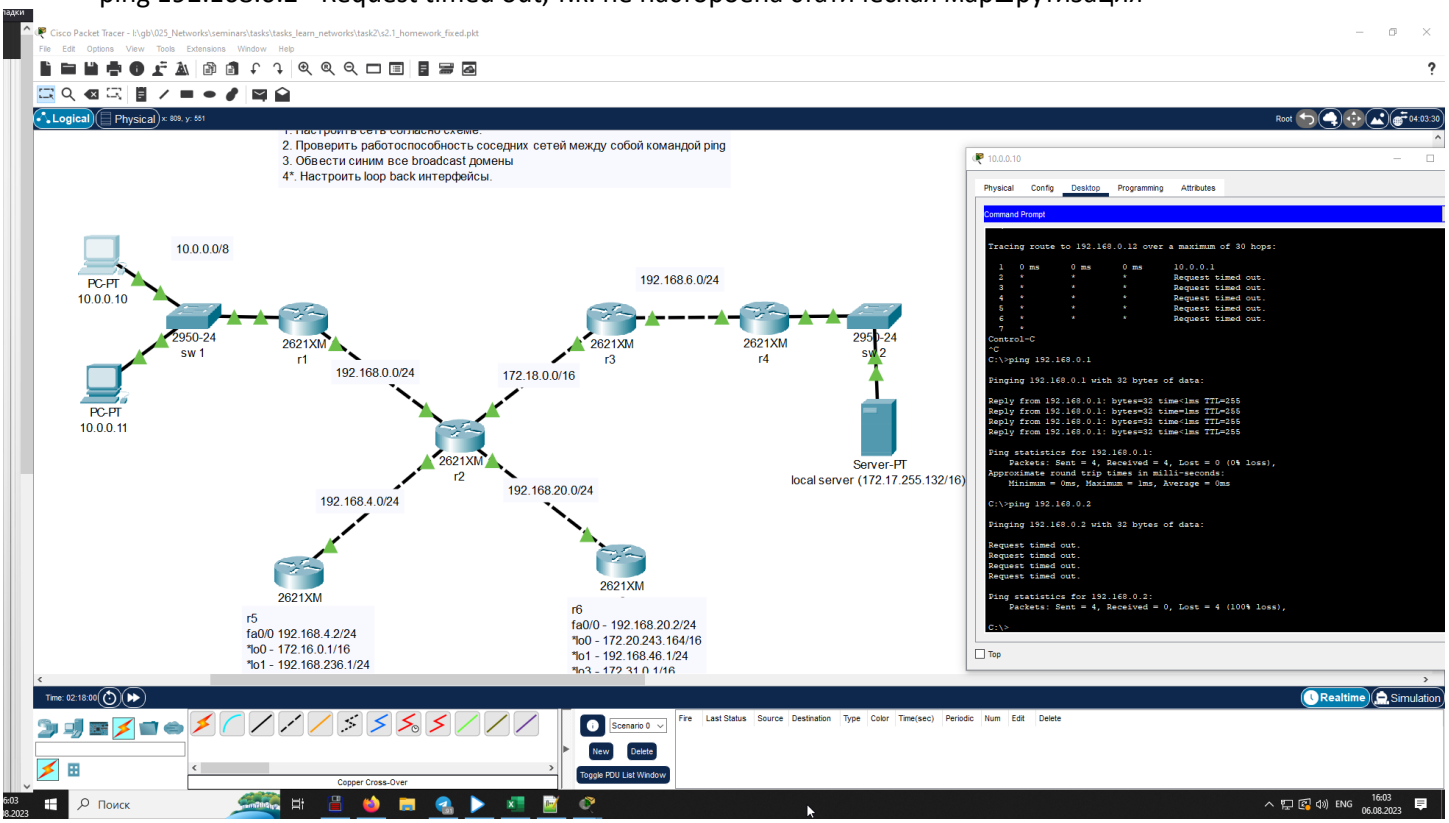
Урок 2. Технология Ethernet. Протокол IP.

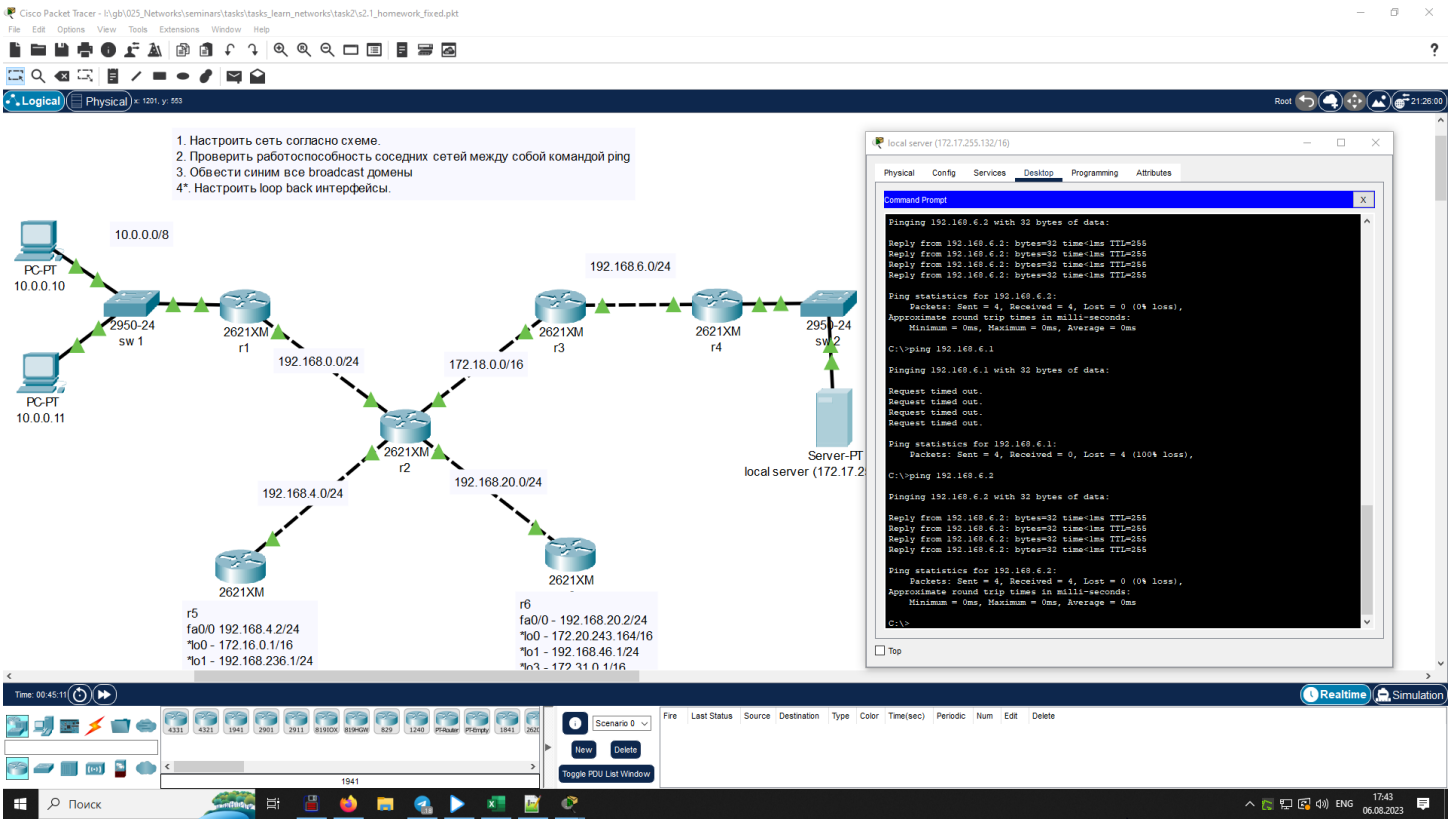
1. Настроить сеть согласно схеме в файле **s2.1_homework.pkt**

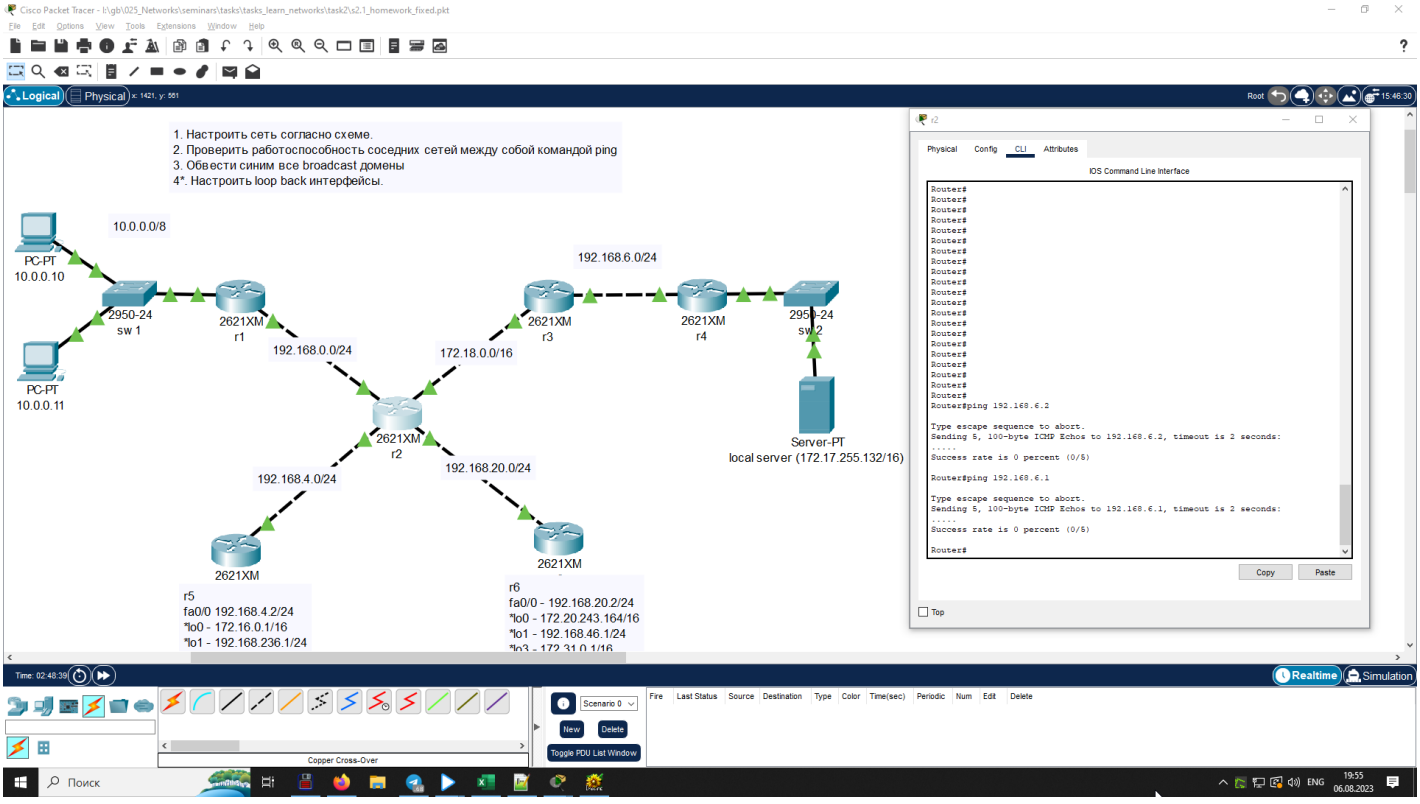


2. Проверить работоспособность соседних между собой сетей командой ping.

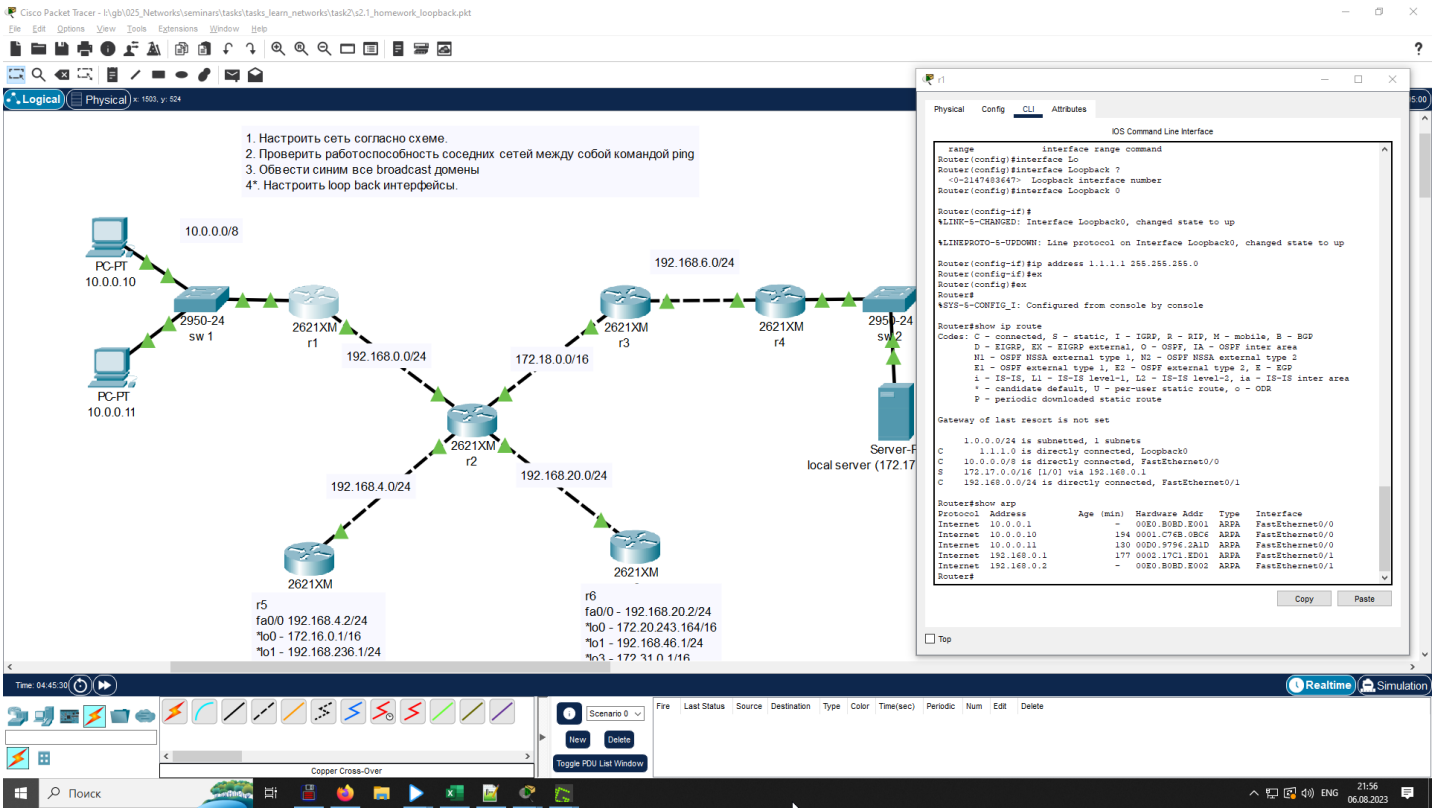
- ping 192.168.0.2 - Request timed out, т.к. не настороена статическая маршрутизация



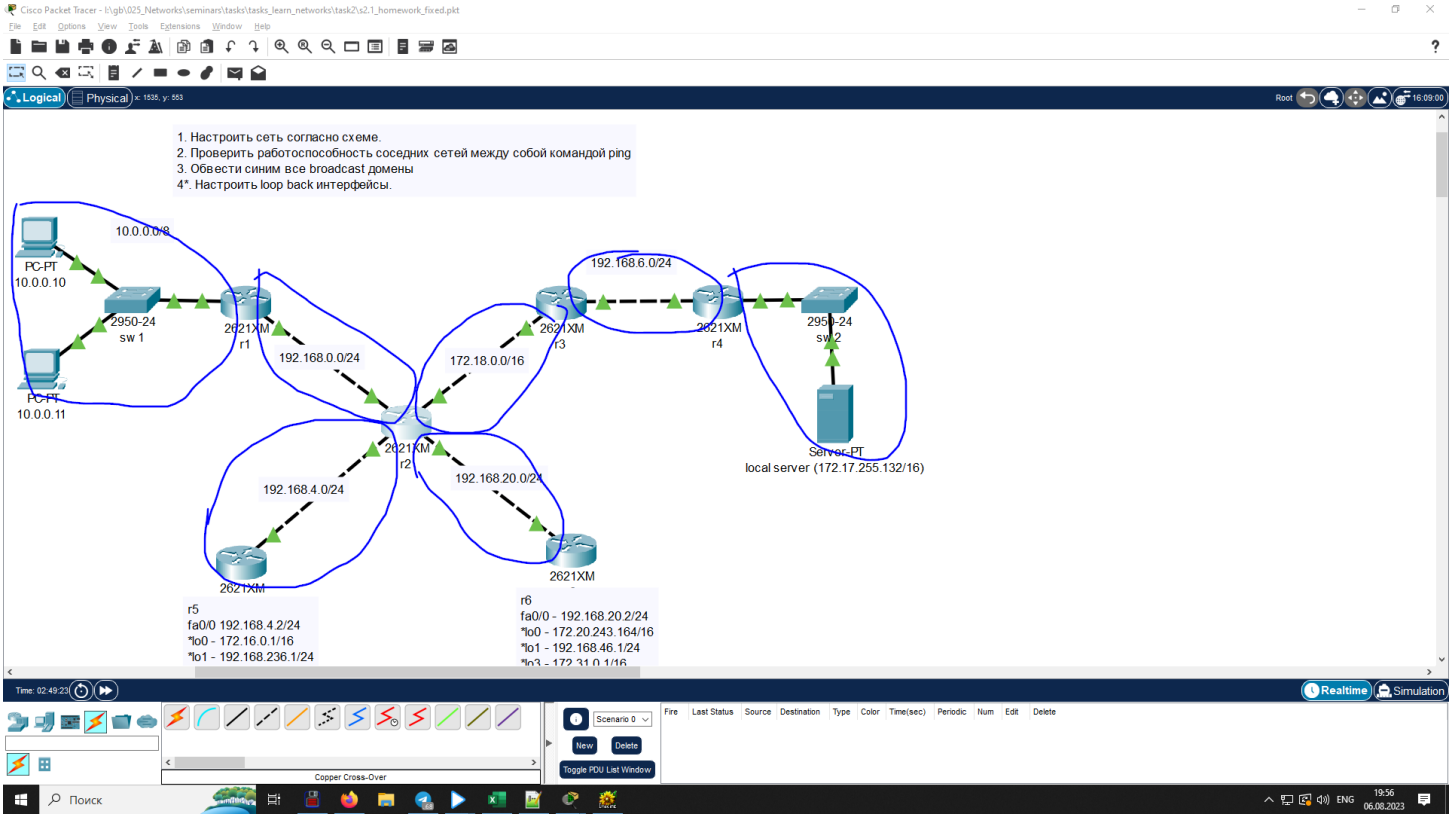




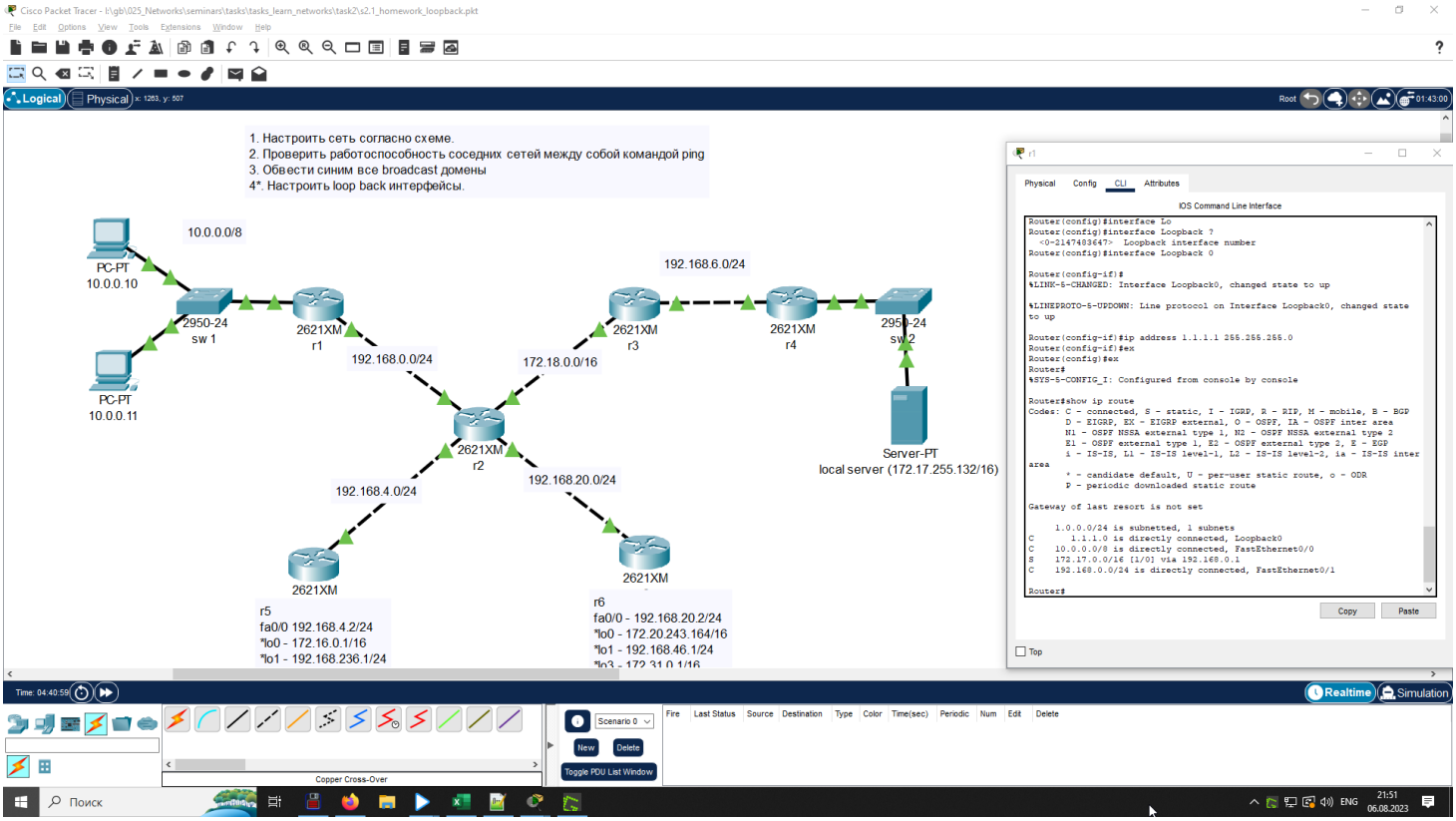
3. вывод любой таблицы ARP



4. Обвести синим все broadcast домены



5. Настроить loopback интерфейсы


1. Настроить сеть согласно схеме.
2. Проверить работоспособность соседних сетей между собой командой ping
3. Обвести синим все broadcast домены
4*. Настроить loop back интерфейсы.
10.0.0.0/8
PC-PT
10.0.0.10
2950-24
sw 1
2621XM
r1
PC-PT
10.0.0.11
192.168.0.0/24
172.18.0.0/16
192.168.6.0/24
2621XM
r3
2621XM
r4
2950-24
sw 2
Server-PT
local server (172.17.255.132/16)
2621XM
r2
192.168.4.0/24
192.168.20.0/24
2621XM
2621XM
r5
fa0/0 192.168.4.2/24
*lo0 - 172.16.0.1/16
*lo1 - 192.168.236.1/24
r6
fa0/0 - 192.168.20.2/24
*lo0 - 172.20.243.164/16
*lo1 - 192.168.46.1/24
Router(config)#interface Lo
Router(config)#interface Loopback ?
Router(config)#interface Loopback 0
Router(config-if)#
%LINK-5-CHANGED: Interface Loopback0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up
Router(config-if)#ip address 1.1.1.1 255.255.255.0
Router(config-if)#ex
Router(config)#ex
Router#
%SYS-5-CONFIG_I: Configured from console by console
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
1.0.0.0/24 is subnetted, 1 subnets
C 1.1.1.0 is directly connected, Loopback0
C 10.0.0.0/8 is directly connected, FastEthernet0/0
S 172.17.0.0/16 [1/0] via 192.168.0.1
C 192.168.0.0/24 is directly connected, FastEthernet0/1
Router#
Copy
Paste
Top
Realtime
Simulation
Copper Cross-Over
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Поиск
ENG
21:51
06.08.2023