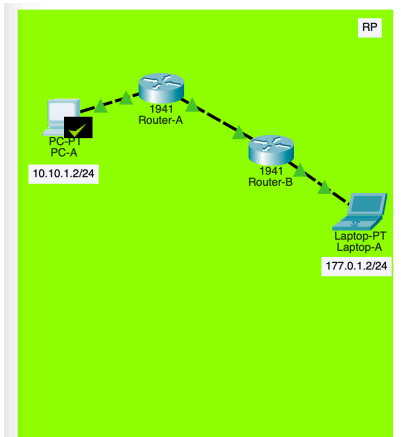
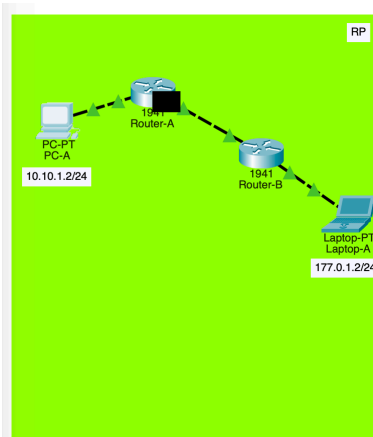
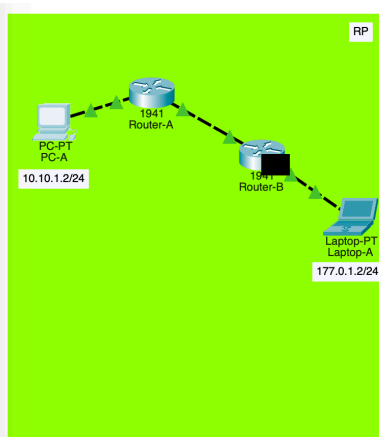
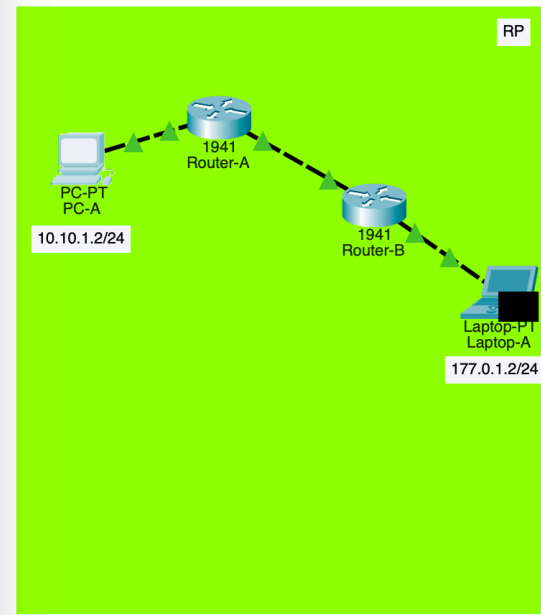
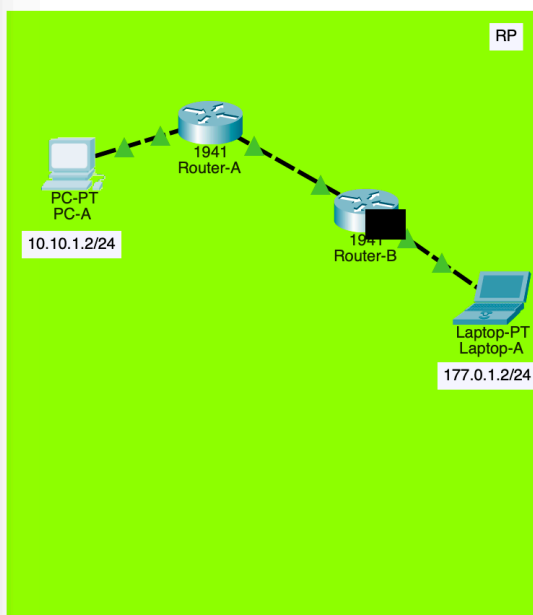
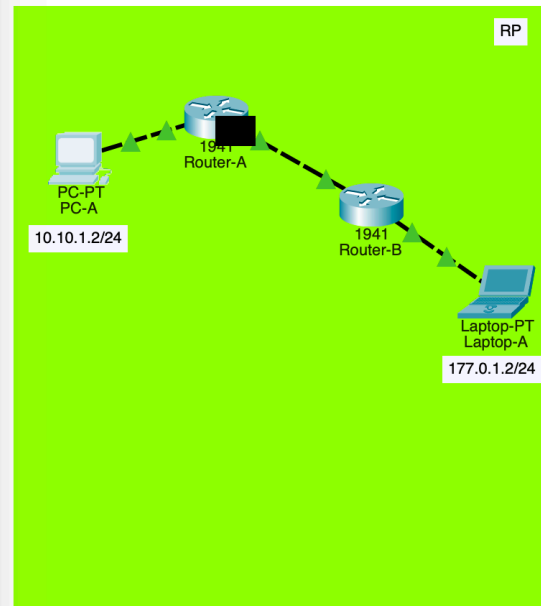
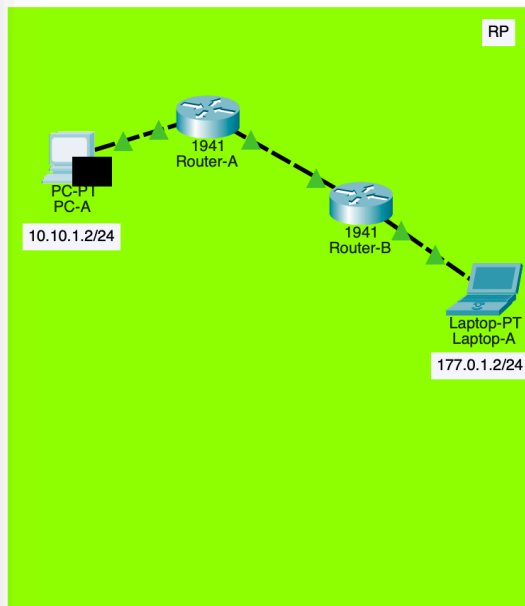


1. RIP (Tracer)



Ping (RIP) - Результат:

```
Pinging 177.0.1.2 with 32 bytes of data:

Reply from 177.0.1.2: bytes=32 time=6ms TTL=126
Reply from 177.0.1.2: bytes=32 time<1ms TTL=126
Reply from 177.0.1.2: bytes=32 time<1ms TTL=126
Reply from 177.0.1.2: bytes=32 time=1ms TTL=126

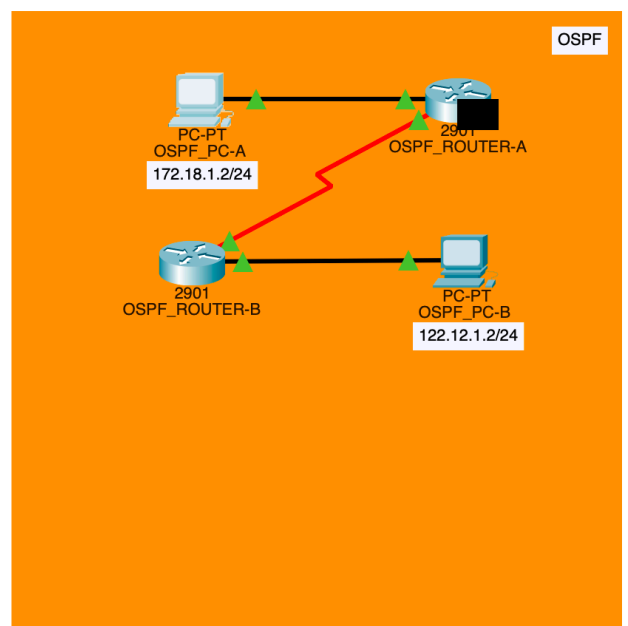
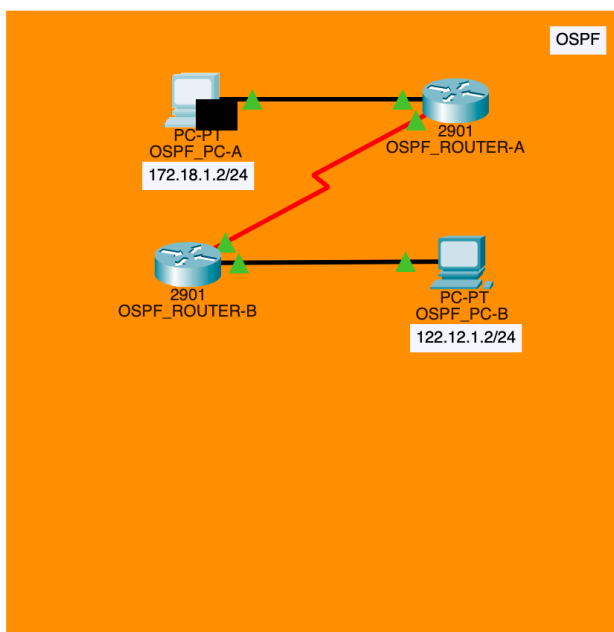
Ping statistics for 177.0.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 1ms
```

RIP Config:

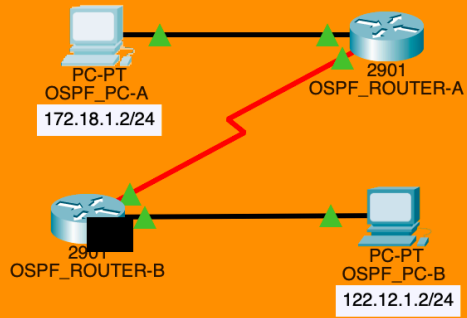
```
!
interface GigabitEthernet0/0
 ip address 10.10.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 ip address 192.168.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface Vlan1
 no ip address
 shutdown
!
router rip
 network 10.0.0.0
 network 177.0.0.0
 network 192.168.1.0
!
```

```
!
interface GigabitEthernet0/0
 ip address 177.0.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 ip address 192.168.1.2 255.255.255.0
 duplex auto
 speed auto
!
interface Vlan1
 no ip address
 shutdown
!
router rip
 network 10.0.0.0
 network 177.0.0.0
 network 192.168.1.0
!
```

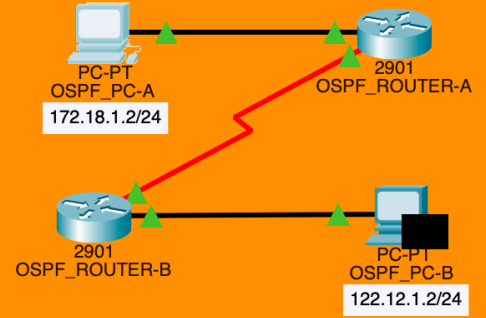
2. OSPF (Tracer)



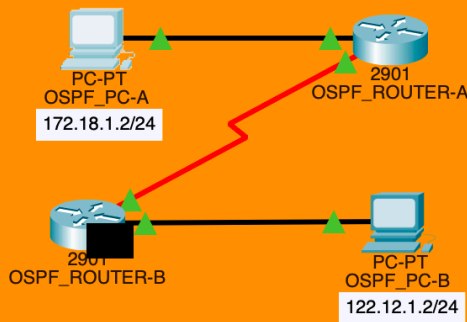
OSPF



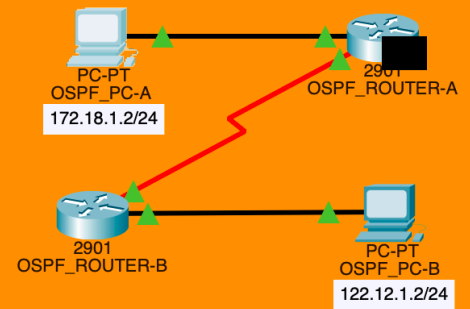
OSPF



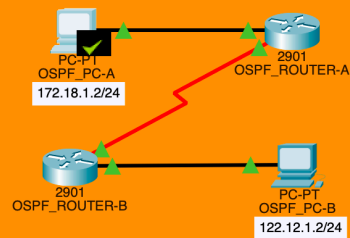
OSPF



OSPF



OSPF



Ping (OSPF) - Результат:

```
Pinging 122.12.1.2 with 32 bytes of data:

Reply from 122.12.1.2: bytes=32 time=6ms TTL=126
Reply from 122.12.1.2: bytes=32 time=29ms TTL=126
Reply from 122.12.1.2: bytes=32 time=25ms TTL=126
Reply from 122.12.1.2: bytes=32 time=39ms TTL=126

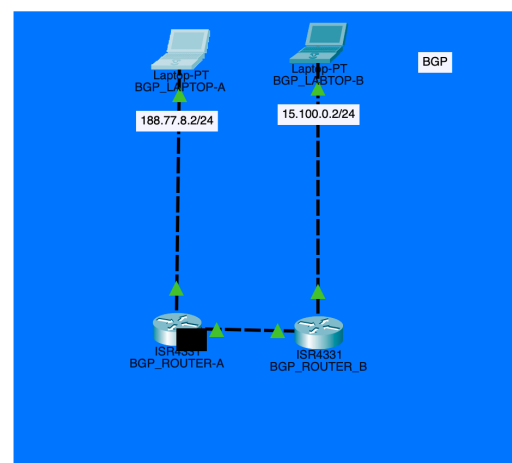
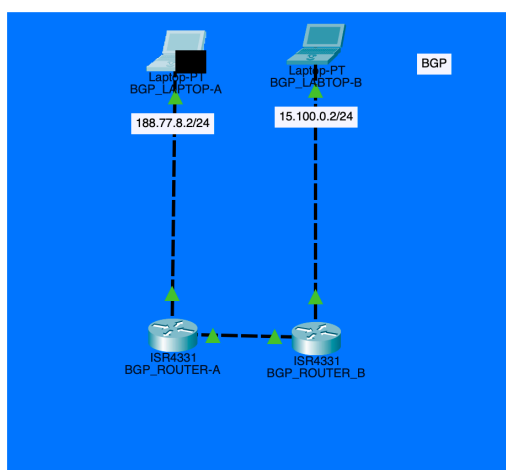
Ping statistics for 122.12.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 6ms, Maximum = 39ms, Average = 24ms
```

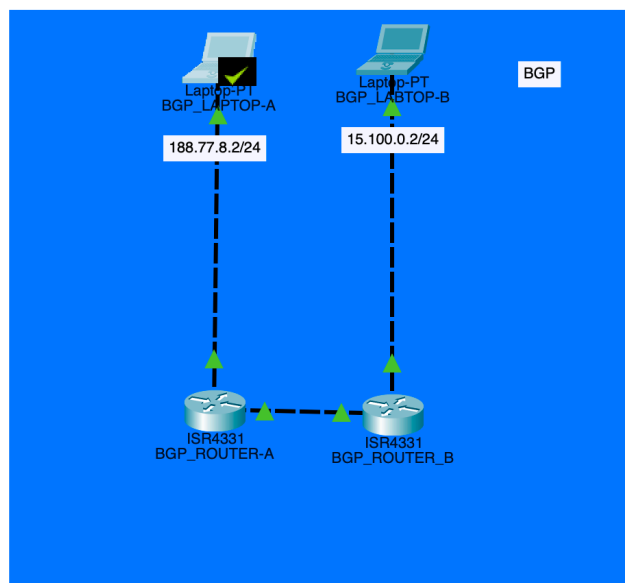
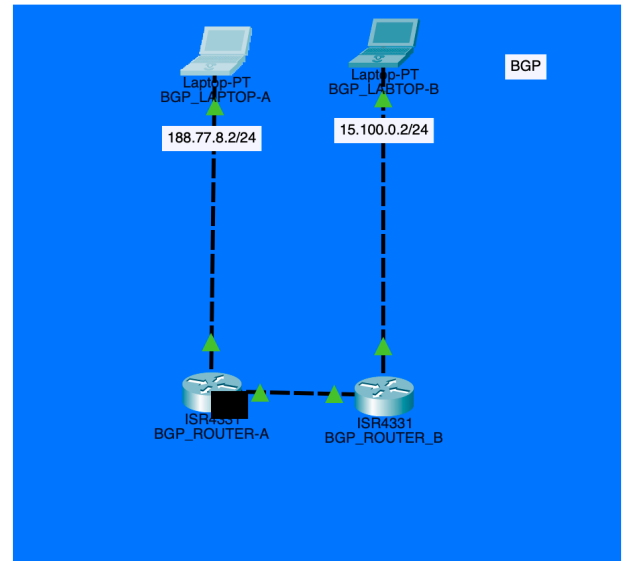
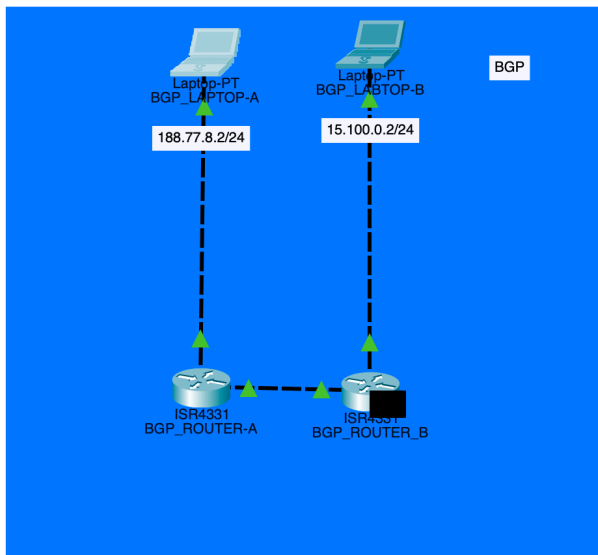
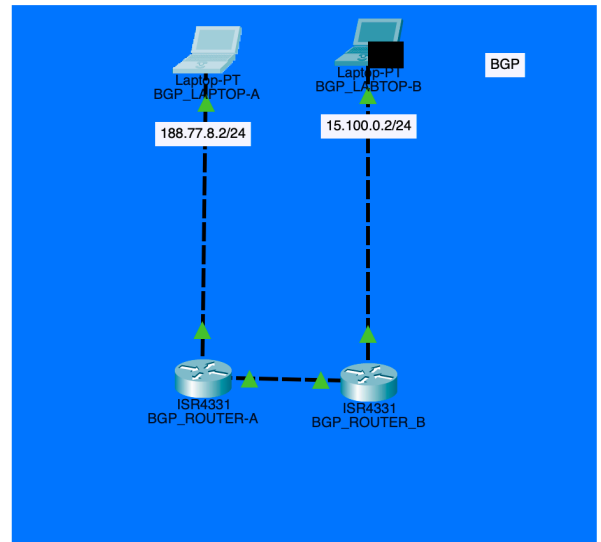
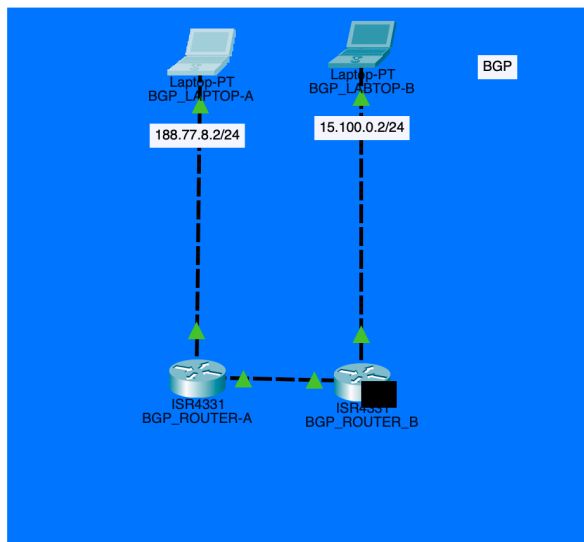
OSPF Config:

```
!
interface GigabitEthernet0/0
 ip address 172.18.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Serial0/0/0
 ip address 192.168.1.1 255.255.255.0
 clock rate 2000000
!
interface Serial0/0/1
 no ip address
 clock rate 2000000
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
router ospf 1
 log-adjacency-changes
 network 192.0.0.0 0.255.255.255 area 0
 network 172.0.0.0 0.255.255.255 area 0
.
```

```
interface GigabitEthernet0/0
 ip address 122.12.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Serial0/0/0
 ip address 192.168.1.2 255.255.255.0
!
interface Serial0/0/1
 no ip address
 clock rate 2000000
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
router ospf 1
 log-adjacency-changes
 network 192.0.0.0 0.255.255.255 area 0
 network 122.0.0.0 0.255.255.255 area 0
```

3. BGP (Tracer)





BGP (Ping) - Результат:

```
Pinging 15.100.0.2 with 32 bytes of data:

Reply from 15.100.0.2: bytes=32 time=6ms TTL=126
Reply from 15.100.0.2: bytes=32 time=1ms TTL=126
Reply from 15.100.0.2: bytes=32 time<1ms TTL=126
Reply from 15.100.0.2: bytes=32 time<1ms TTL=126

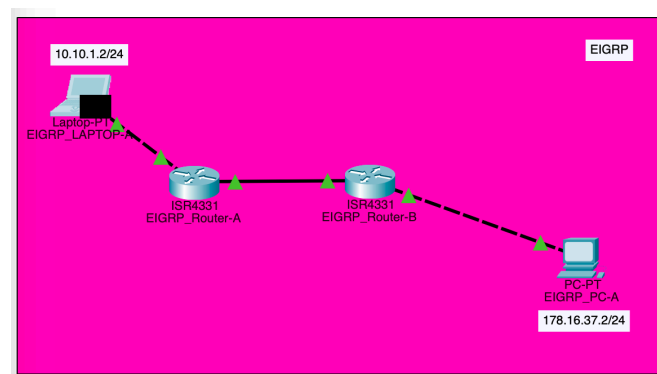
Ping statistics for 15.100.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 6ms, Average = 1ms
```

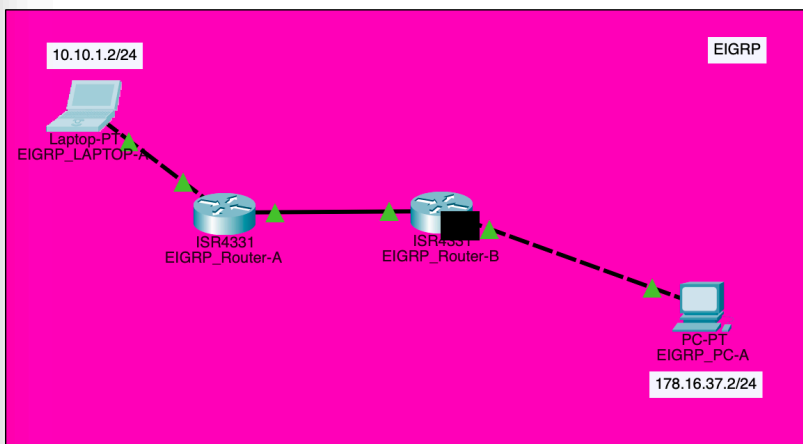
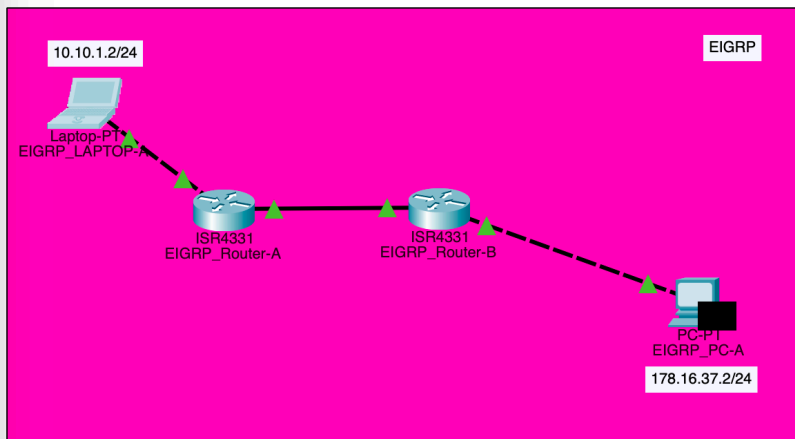
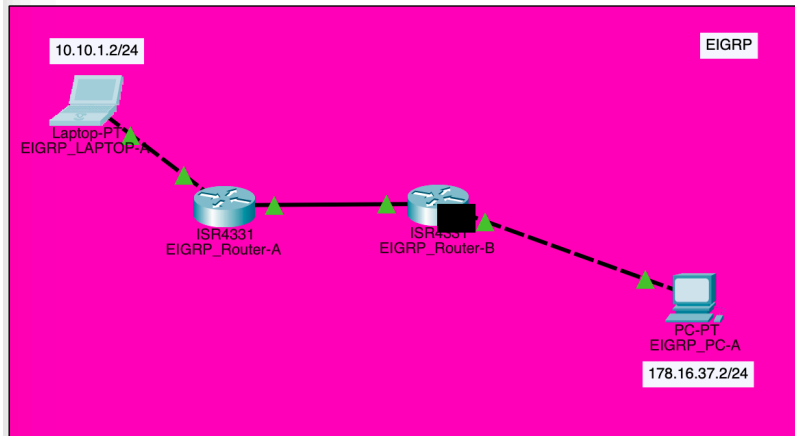
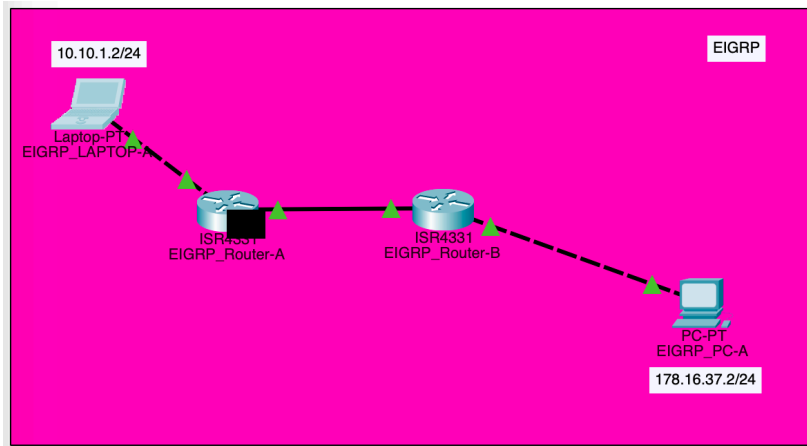
BGP Config:

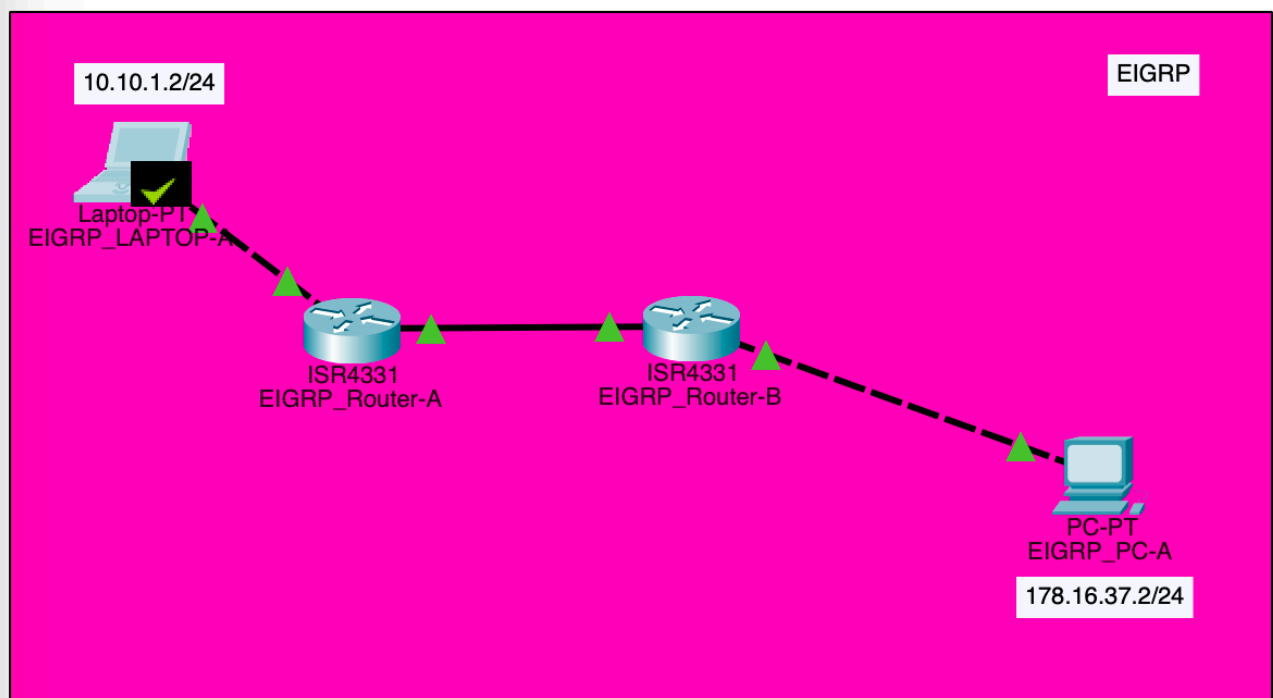
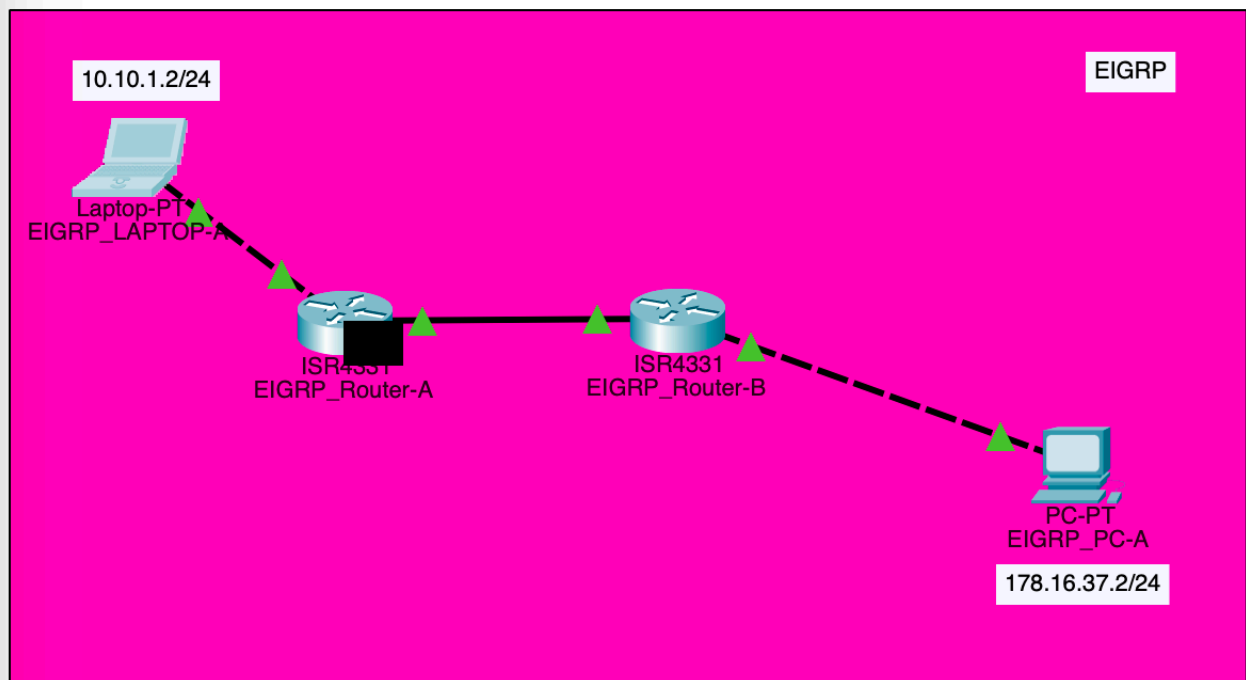
```
interface GigabitEthernet0/0/0
 ip address 192.168.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/0/1
 ip address 188.77.8.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/0/2
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
router bgp 64500
 bgp log-neighbor-changes
 no synchronization
 neighbor 192.168.1.2 remote-as 64501
 network 188.77.8.0 mask 255.255.255.0
.
```

```
interface GigabitEthernet0/0/0
 ip address 192.168.1.2 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/0/1
 ip address 15.100.0.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/0/2
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
router bgp 64501
 bgp log-neighbor-changes
 no synchronization
 neighbor 192.168.1.1 remote-as 64500
 network 15.100.0.0 mask 255.255.255.0
```

4. EIGRP (Tracer)







Ping (EIGRP) - Результат:

```
C:\>ping 178.16.37.2

Pinging 178.16.37.2 with 32 bytes of data:

Reply from 178.16.37.2: bytes=32 time=6ms TTL=126
Reply from 178.16.37.2: bytes=32 time<1ms TTL=126
Reply from 178.16.37.2: bytes=32 time<1ms TTL=126
Reply from 178.16.37.2: bytes=32 time<1ms TTL=126

Ping statistics for 178.16.37.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 1ms
```


EIGRP Config:

```
interface GigabitEthernet0/0/0
 ip address 10.10.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/0/1
 ip address 192.168.0.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/0/2
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
router eigrp 65000
 network 192.0.0.0 0.255.255.255
 network 10.0.0.0
 auto-summary
!
```

```
interface GigabitEthernet0/0/0
 ip address 178.16.37.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/0/1
 ip address 192.168.0.2 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/0/2
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Vlan1
 no ip address
 shutdown
!
router eigrp 65000
 network 192.0.0.0 0.255.255.255
 network 178.0.0.0 0.255.255.255
 auto-summary
!
```