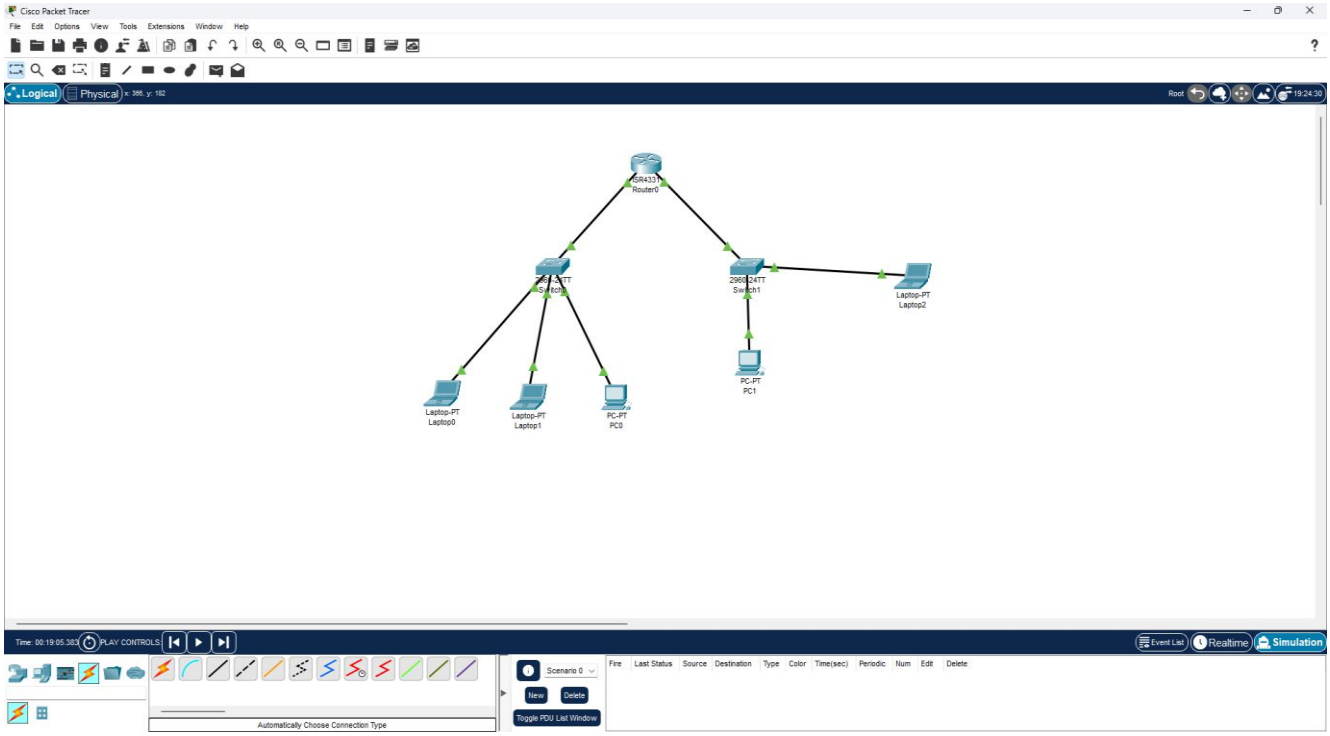
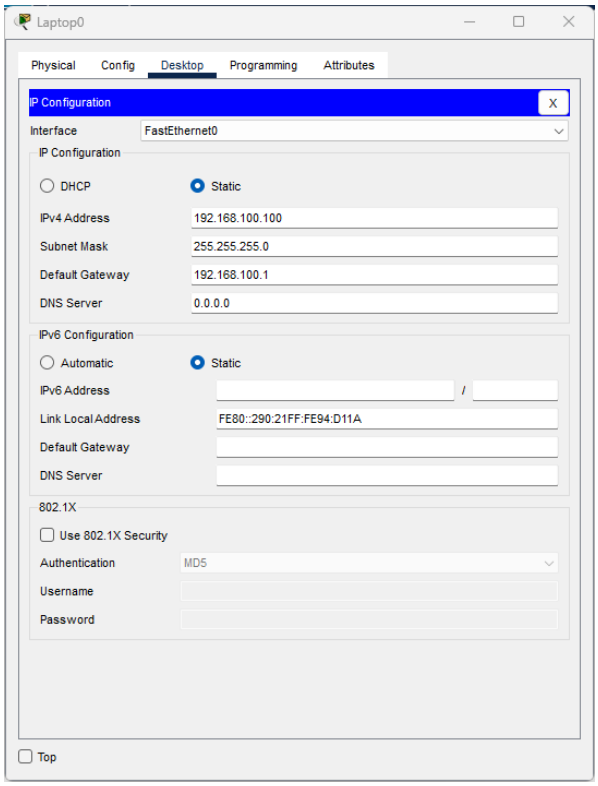
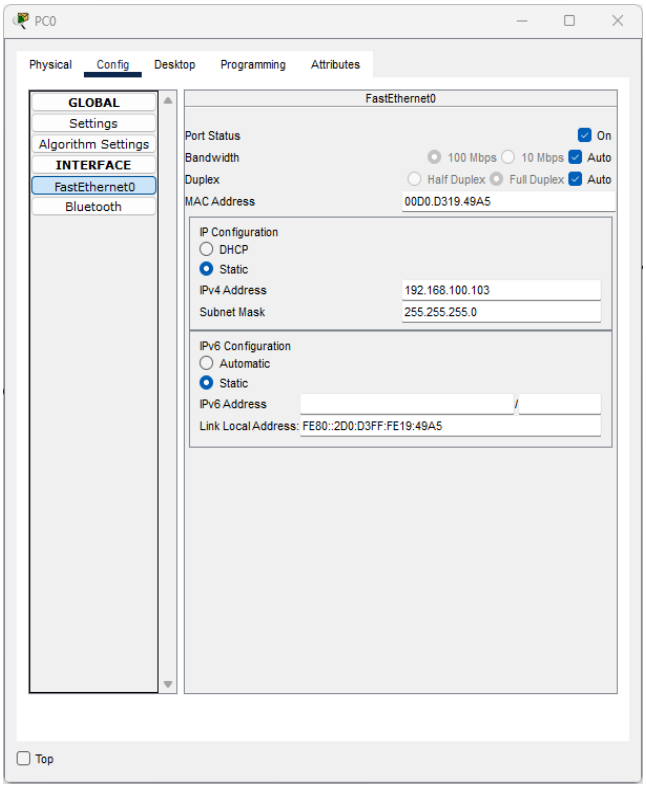
Esercizio Pratica W2 – D2 Gallo Cosimo Pio

Esercizio 1.

Mettere in comunicazione il laptop-PT0 con IP 192.168.100.100 con il PC-PT-PC0 con IP 192.168.100.103







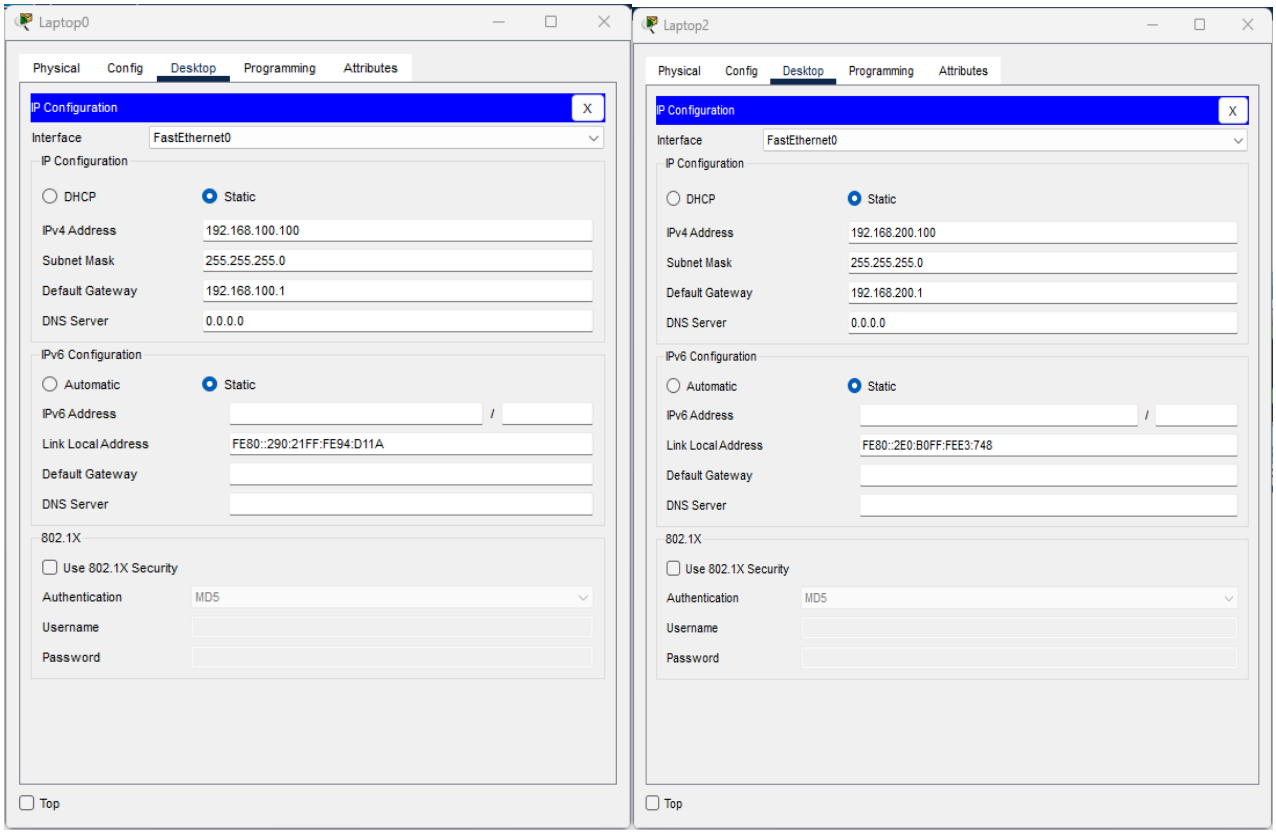
Sul laptop 0 effettuare il ping verso pc0: ping 192.168.100.103

```
C:\>ping 192.168.100.103

Pinging 192.168.100.103 with 32 bytes of data:

Reply from 192.168.100.103: bytes=32 time=7ms TTL=128
Reply from 192.168.100.103: bytes=32 time=4ms TTL=128
Reply from 192.168.100.103: bytes=32 time=4ms TTL=128
Reply from 192.168.100.103: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.100.103:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 7ms, Average = 4ms
```

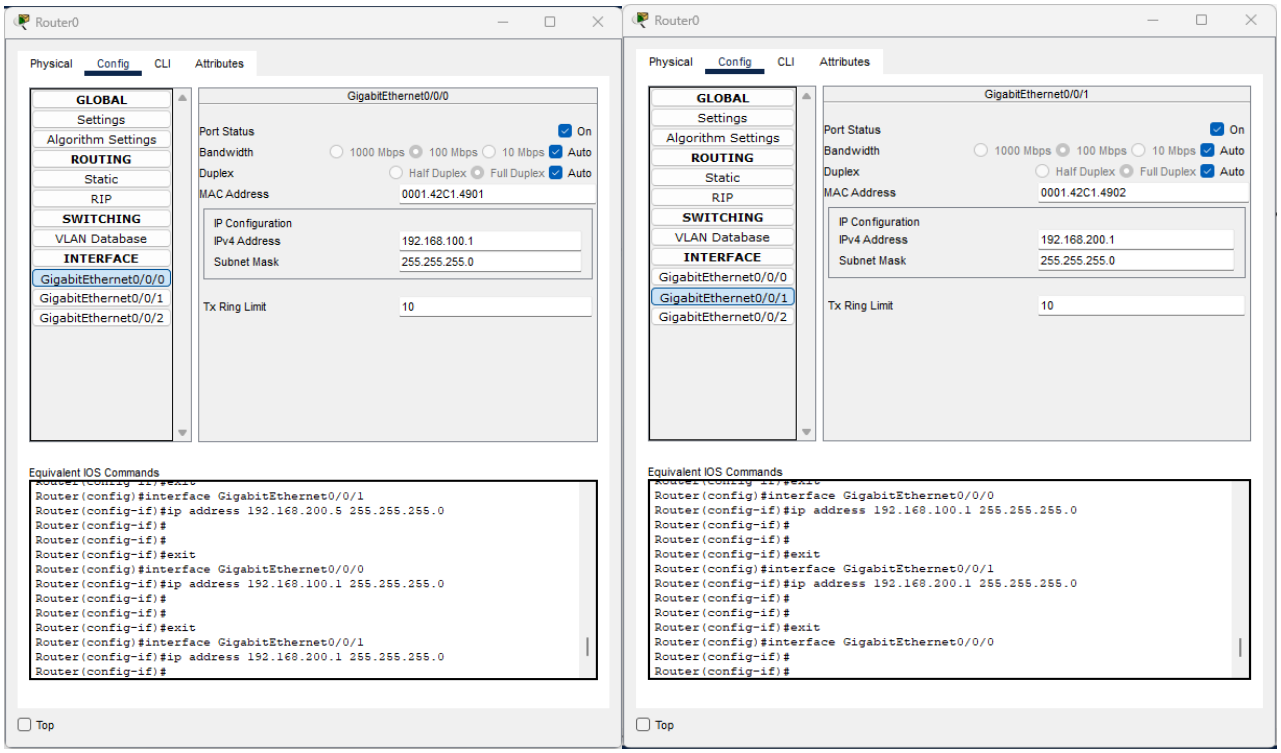
Esercizio 2.

Mettere in comunicazione il laptop-PT0 con IP 192.168.100.100 con il laptop-PT2 con IP 192.168.200.100

Si utilizza il default gateway per identificarti con il router (che deve ovviamente combaciare con l'iPv4 del router)



Configurazione del router: l'ethernet 0 quello che è collegato prima allo switch0 e poi al laptop0, l'iPv4 l'ho settato come 192.168.100.1; mentre sull'ethernet 1 ovvero quello che è collegato prima allo switch1 e poi al laptop2, l'ipv4 l'ho settato come 192.168.200.1

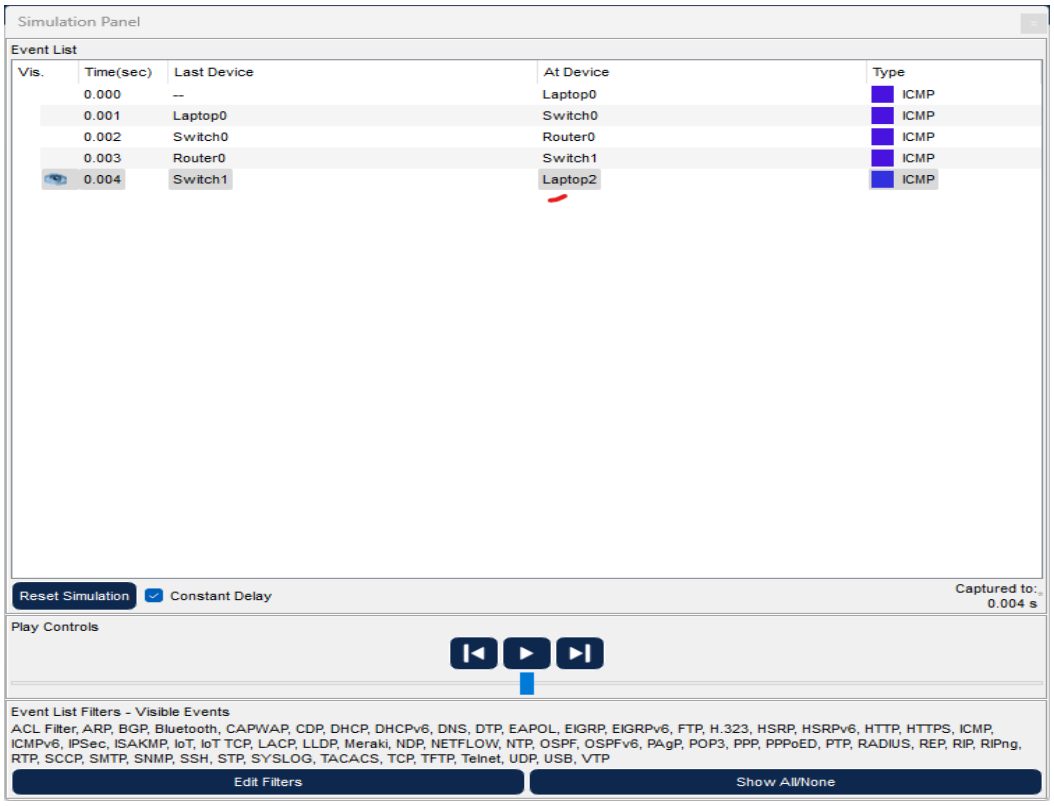


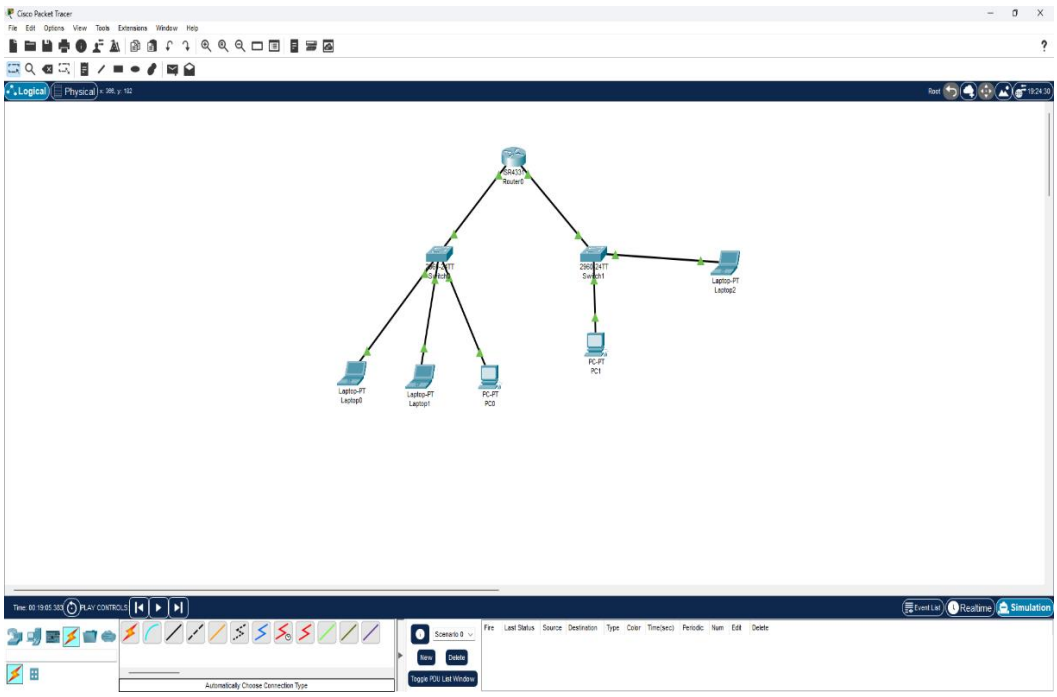
Sul laptop 0 effettuare il ping verso laptop 2: ping 192.168.200.100

```
C:\>ping 192.168.200.100

Pinging 192.168.200.100 with 32 bytes of data:

Reply from 192.168.200.100: bytes=32 time=12ms TTL=127
Reply from 192.168.200.100: bytes=32 time=8ms TTL=127
Reply from 192.168.200.100: bytes=32 time=8ms TTL=127
Reply from 192.168.200.100: bytes=32 time=8ms TTL=127

Ping statistics for 192.168.200.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 12ms, Average = 9ms
```

Esercizio 3.

Mostrare qualitativamente (non inserite i valori) come cambiano «source MAC e destination MAC» e «source IP & destination IP» quando un pacchetto viene inviato dal Laptop-PT-Laptop0 verso Laptop-PT-Laptop2





1. Source Mac laptop0 (0090.2194.D11A) -- At Device Mac switch0
2. Source Mac switch0 -- At Device Router0 (0001.42C1.4901)
3. Source Mac Router0 (0001.42C1.4902) – At Device Switch1
4. Source Mac Switch1 – Destination Mac (00E0.B0E3.0748)