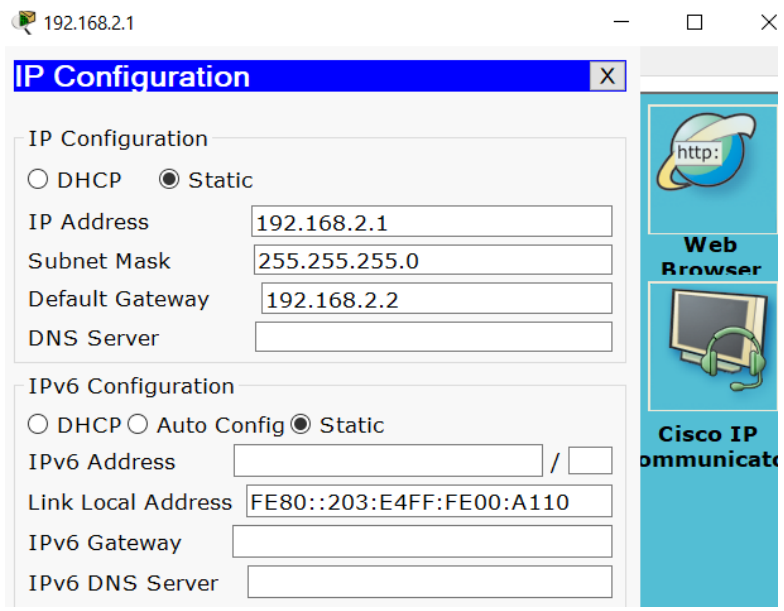
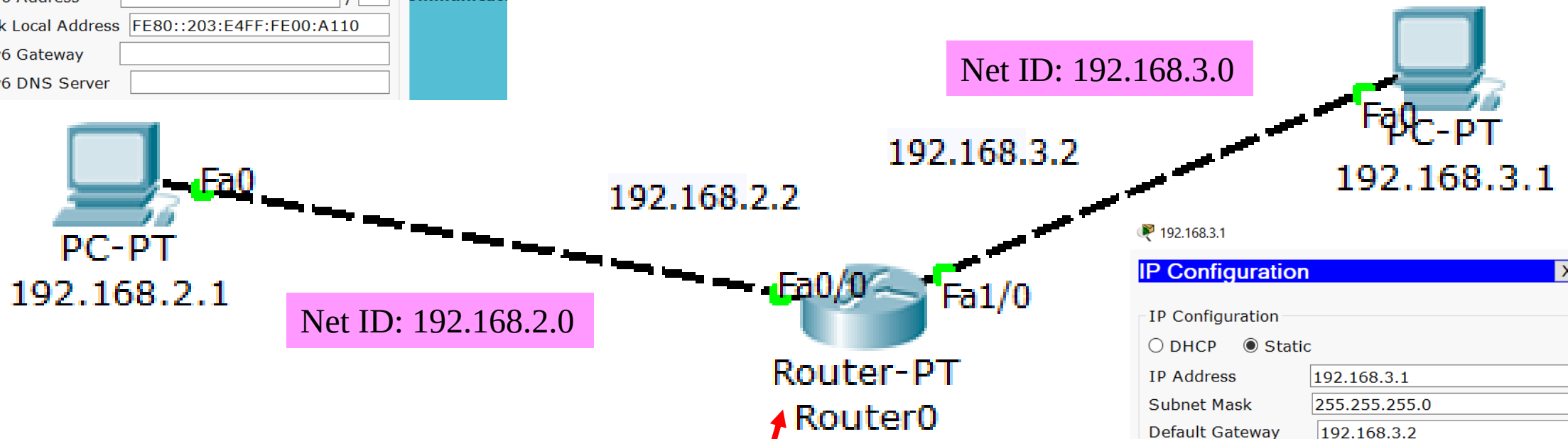
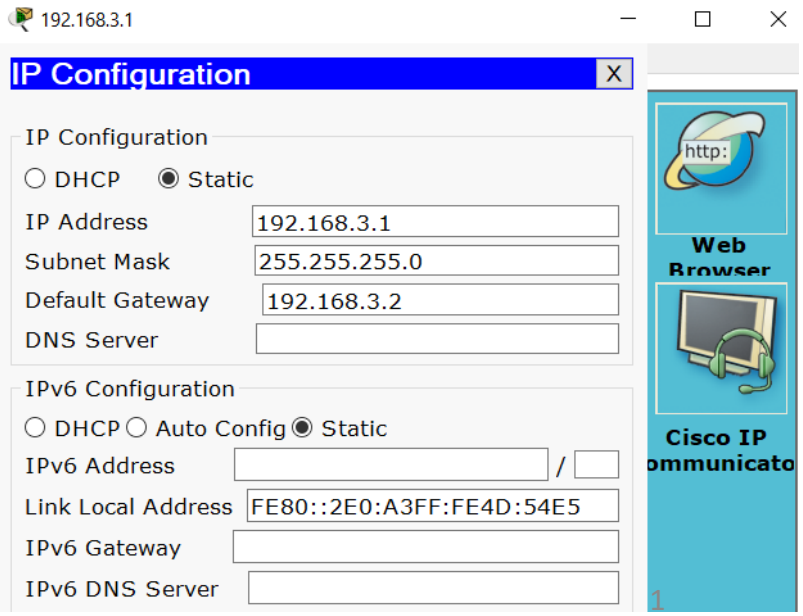
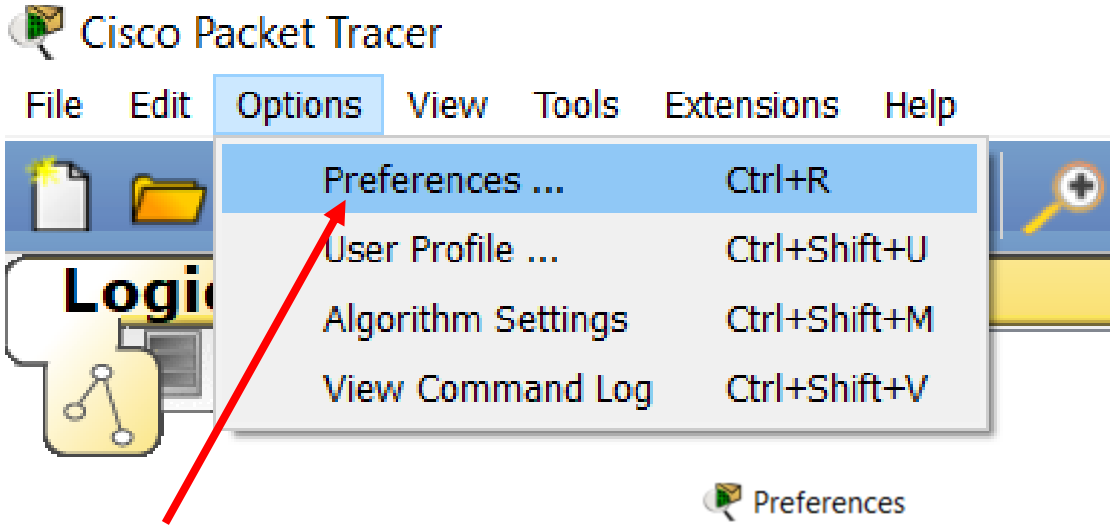
Expt-2
Packet through a router

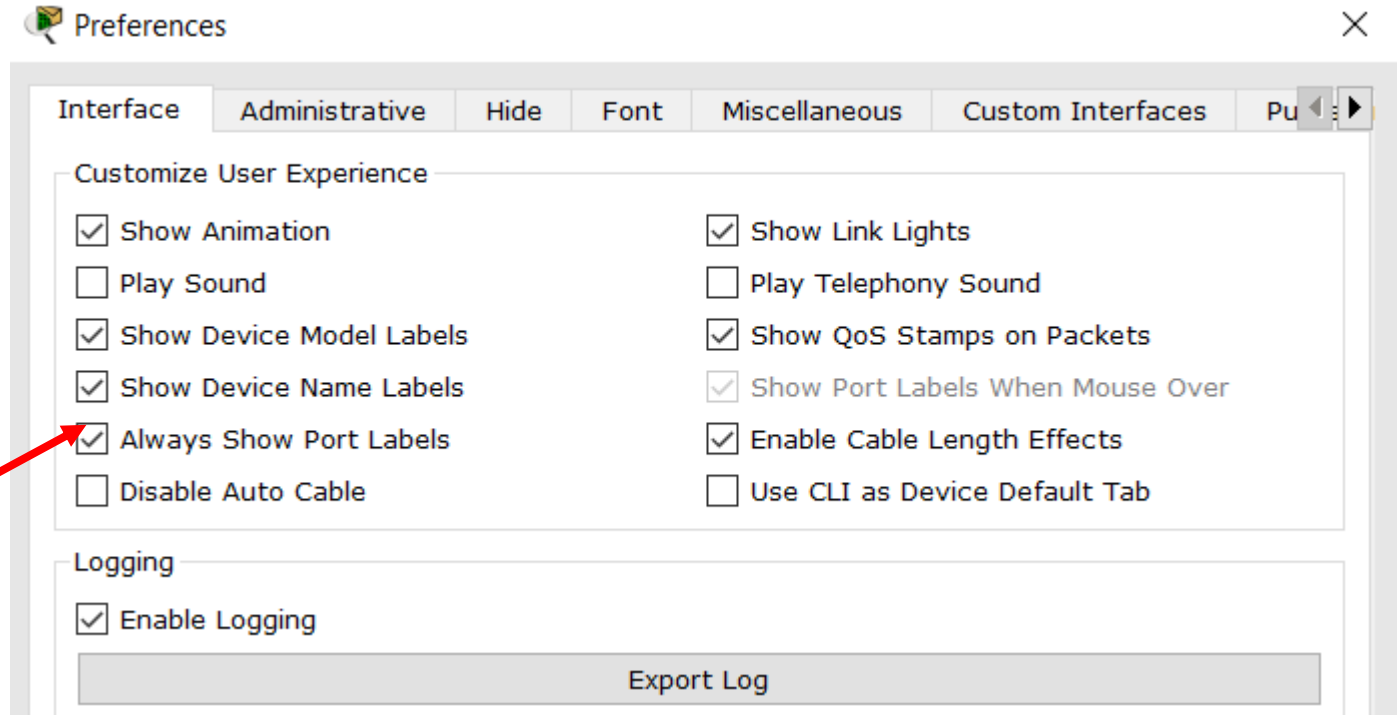




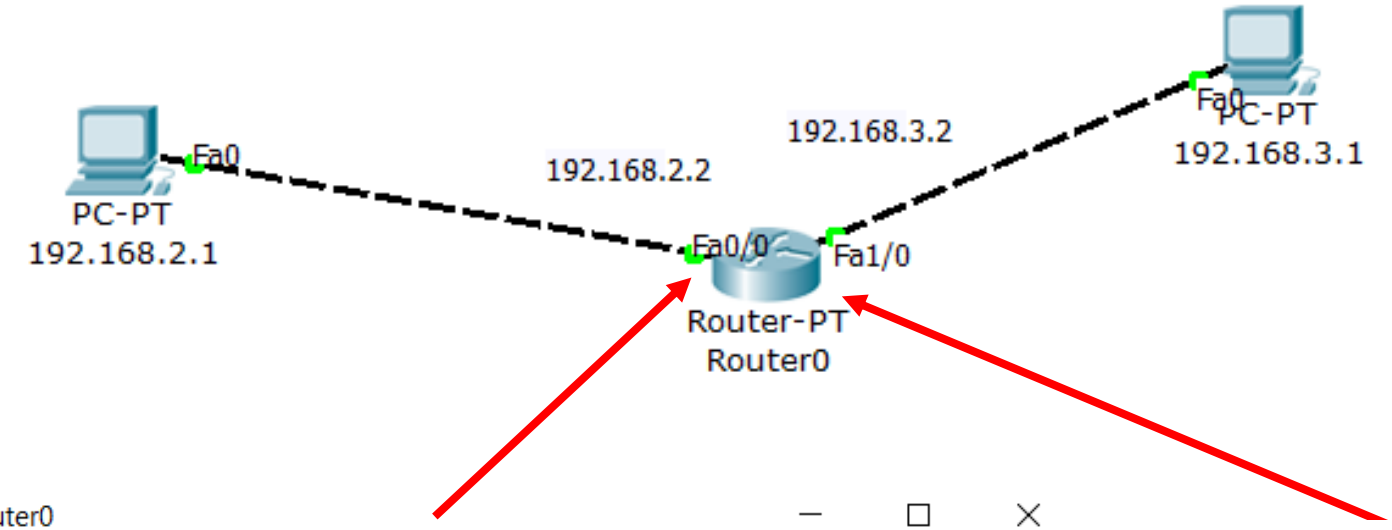


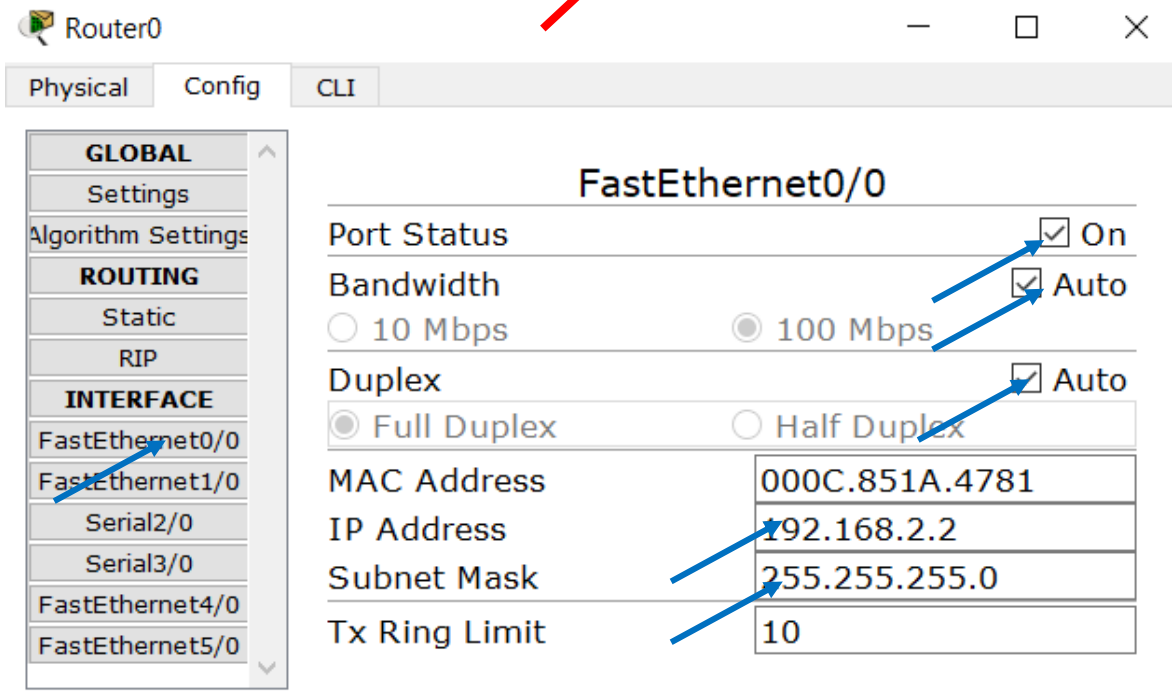


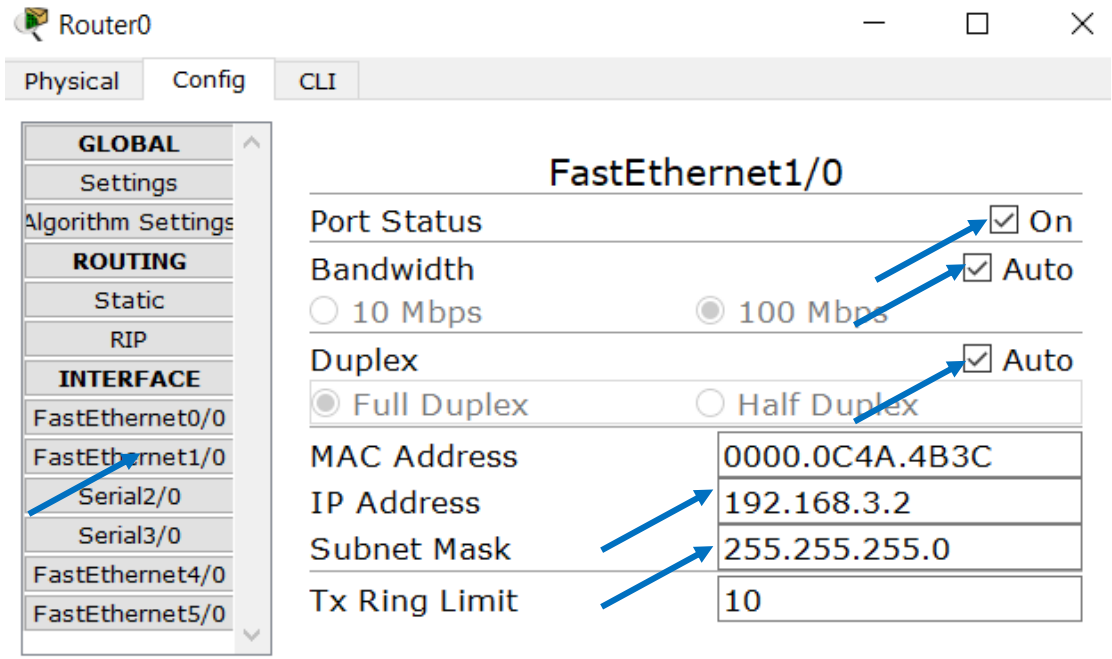
Port id of router for example **fa0/0**, **fa0/1** etc. will be visualized



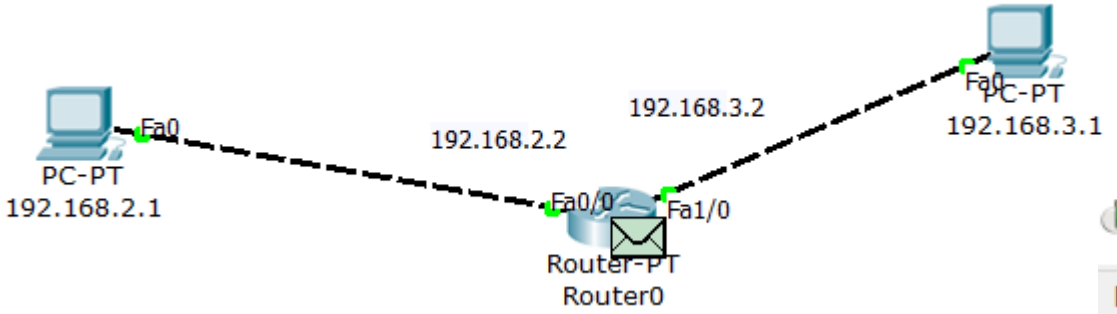
Click on the router, select config, put IP and subnet mask on fast Ethernet 0/0 and 0/1.







Verify by simulation and ping.

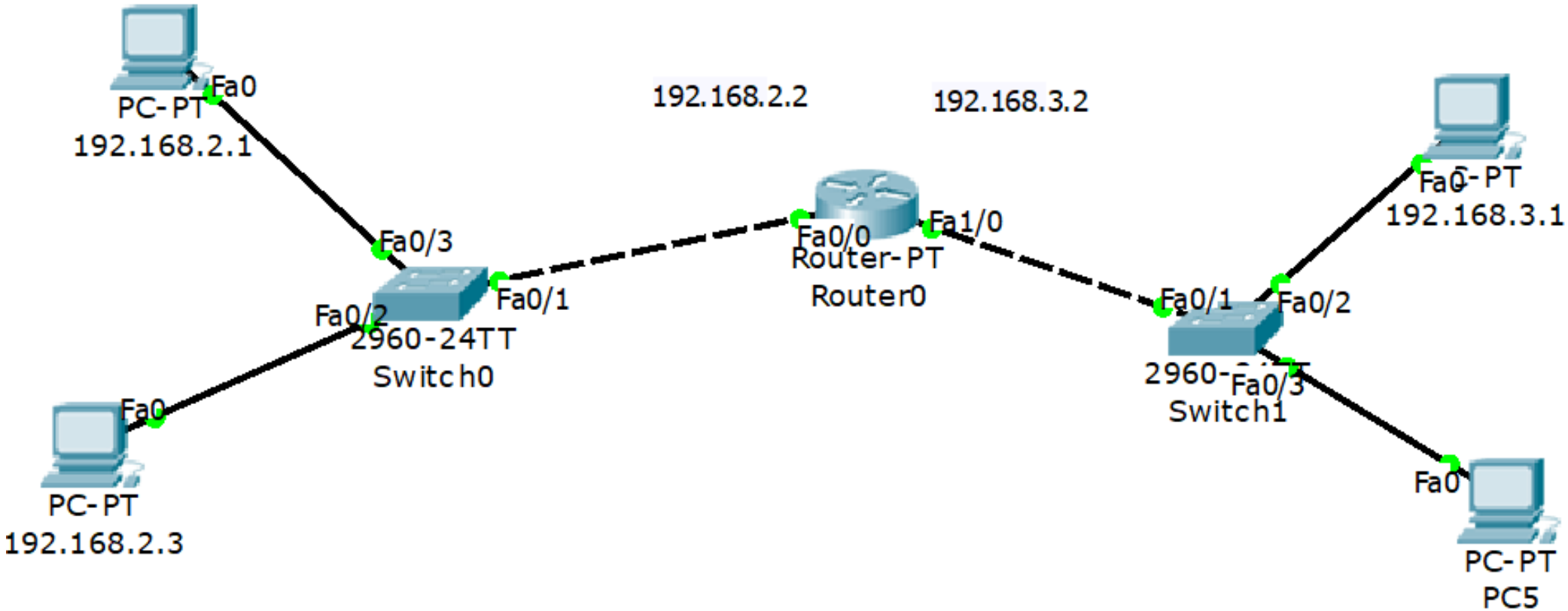


192.168.2.1

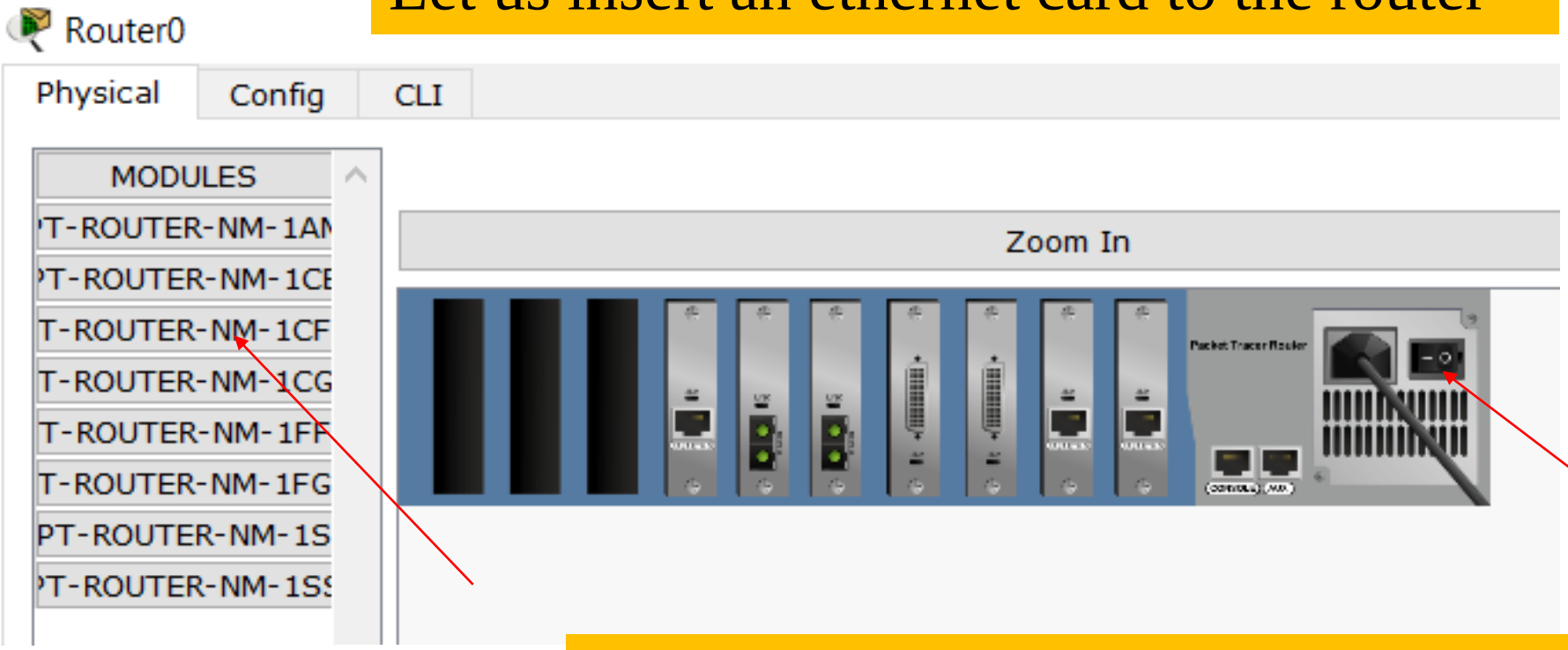
Physical | Config | Desktop | Custom Interface

Command Prompt

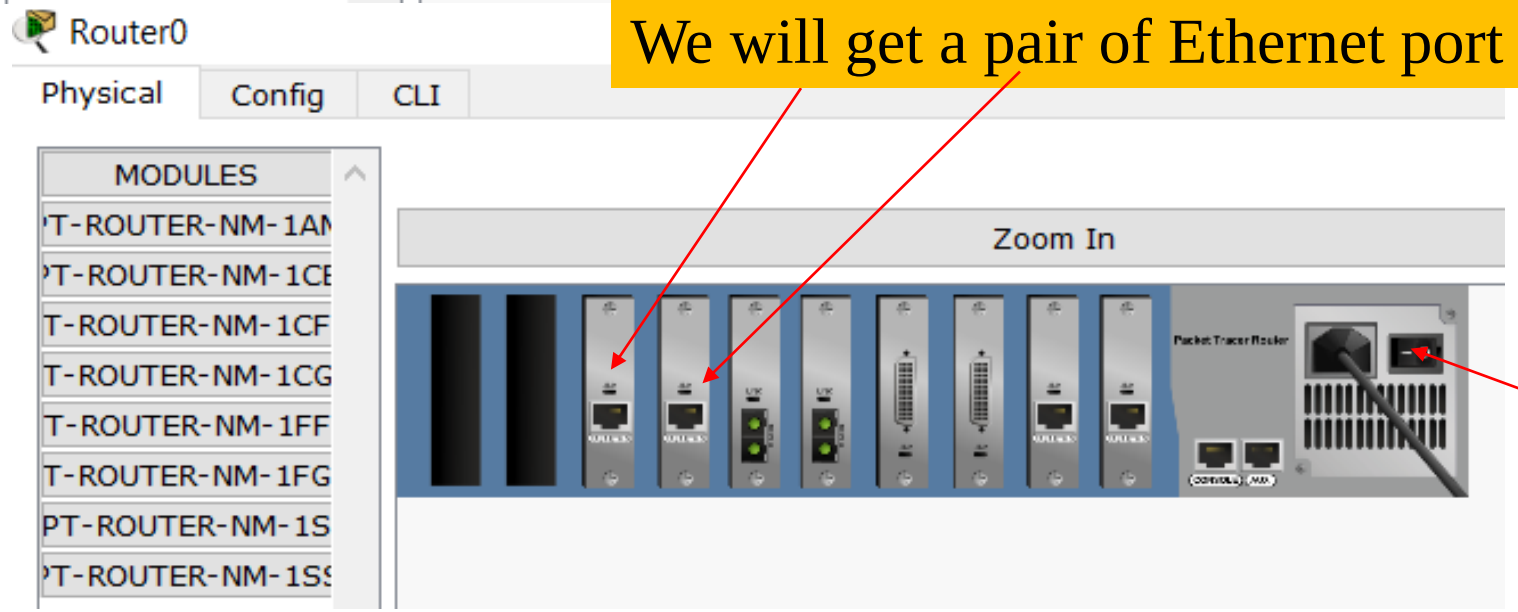
```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.3.1

Pinging 192.168.3.1 with 32 bytes of data:

Reply from 192.168.3.1: bytes=32 time=1ms TTL=127
Reply from 192.168.3.1: bytes=32 time=0ms TTL=127
Reply from 192.168.3.1: bytes=32 time=0ms TTL=127
Reply from 192.168.3.1: bytes=32 time=0ms TTL=127

Ping statistics for 192.168.3.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>
```


PC-PT
192.168.2.1
Fa0
192.168.2.2
192.168.3.2
Fa0/3
Fa0/2
Fa0/1
2960-24TT
Switch0
Fa0/0
Router-PT
Router0
Fa1/0
Fa0/1
Fa0/2
Fa0/3
Switch1
PC-PT
192.168.3.1
Fa0
PC-PT
192.168.2.3
Fa0
PC-PT
PC5
Fa0

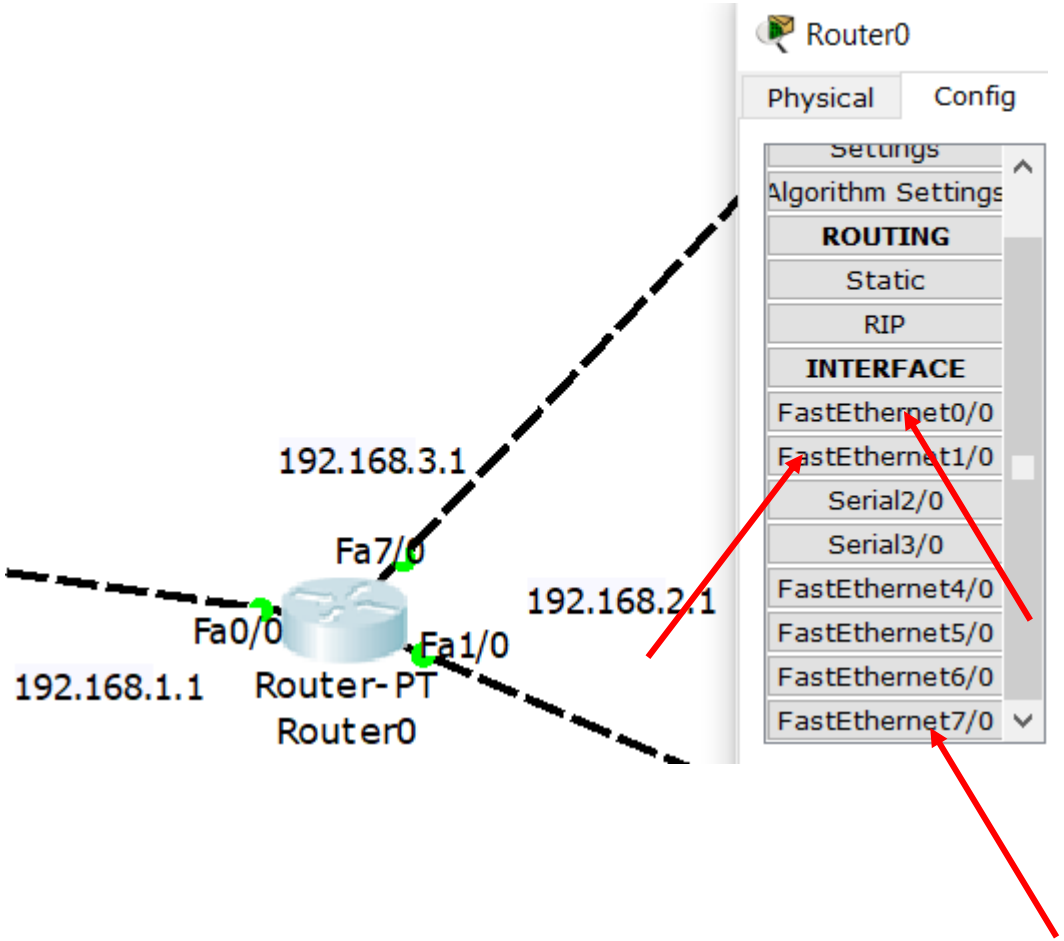
Let us insert an ethernet card to the router

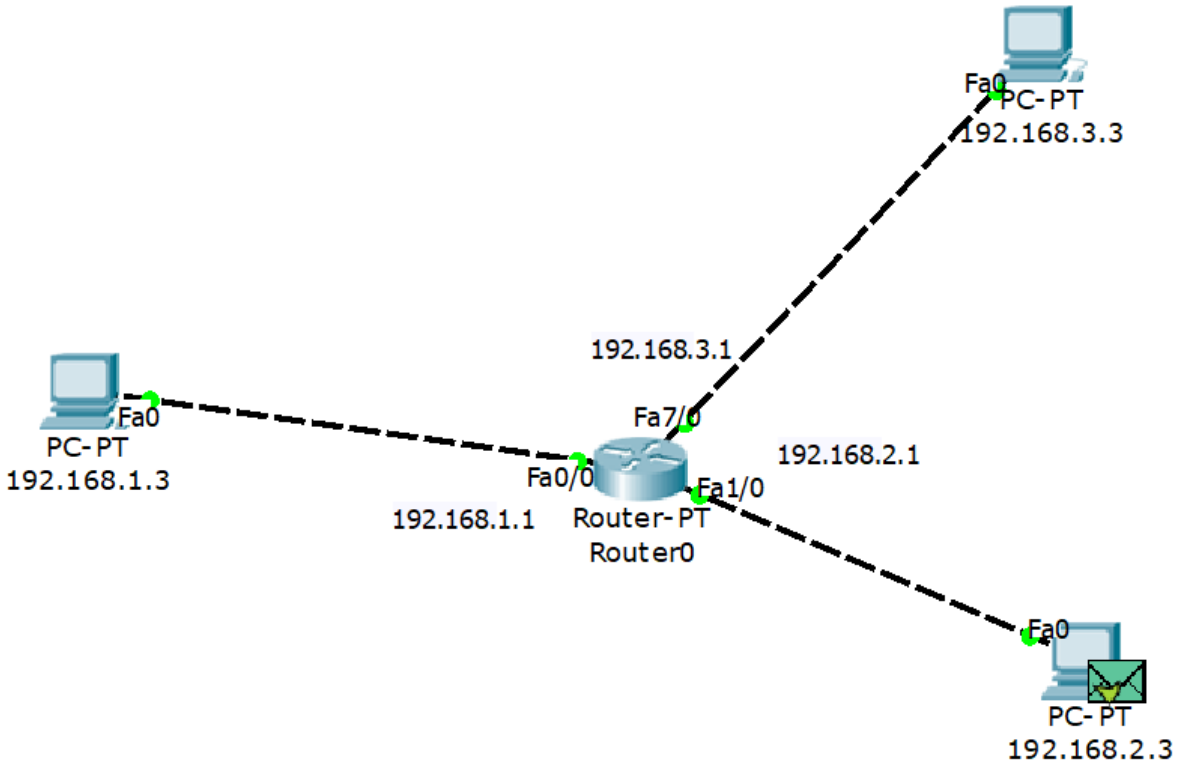


We will get a pair of Ethernet port 6/0 and 7/0



You can use ethernet ports: 0/0, 1/0, 6/0 and 7/0





Verify the circuit using ping and ICMP packet.