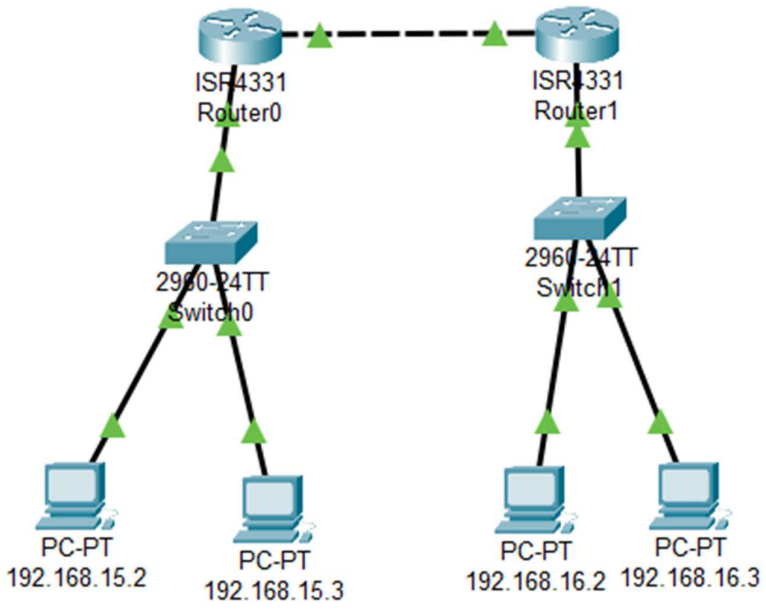
Step-by-Step Procedure for RIP Configuration in Packet Tracer

1) **Place network devices**
   - From the End Devices menu, drag 4 PCs (rename them as C1, C2, C3, C4).
   - From the Switches menu, drag 2 switches (rename them Switch1, Switch2).
   - From the Routers menu, drag 2 routers (e.g. 4331) — name them Router1 and Router2.

2) **Connect devices with cables**

- Select the **Connections (lightning bolt icon)** tool → choose **Automatically choose connection type**.

- **Connect:**
  - C1 → Switch1
  - C2 → Switch1
  - C3 → Switch2
  - C4 → Switch2
  - Switch1 → Router1 (GigabitEthernet0/0)
  - Switch2 → Router2 (GigabitEthernet0/0)
  - Router1 (GigabitEthernet0/1) → Router2 (GigabitEthernet0/1)



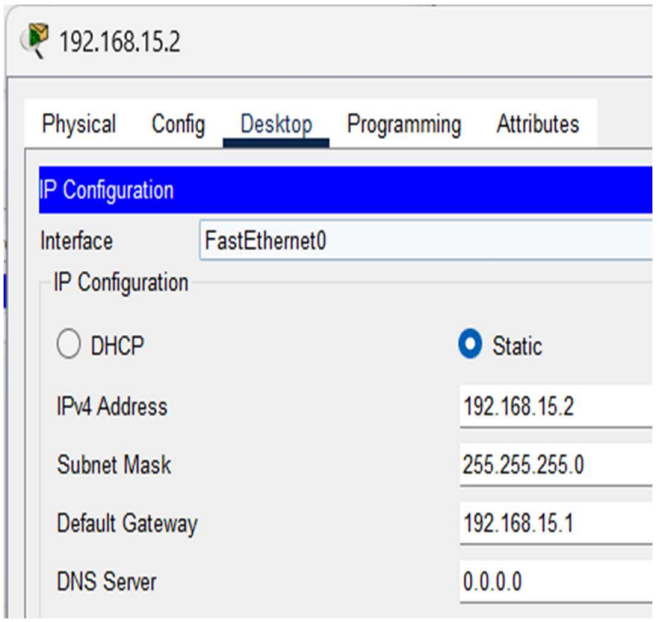
3) **Assign IP addresses to PCs**

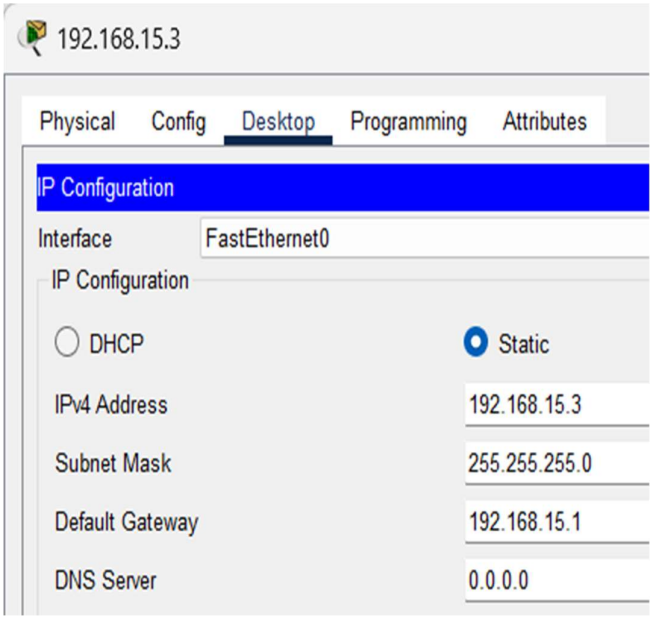
a. For each PC:

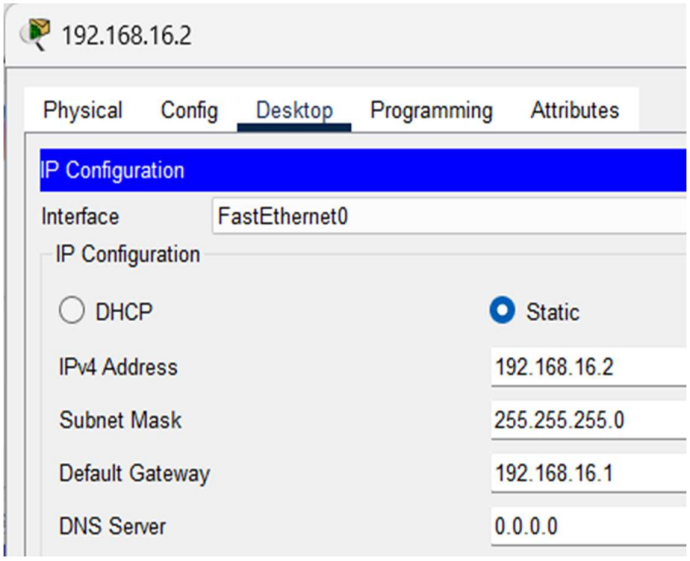
Click the PC → **Desktop tab → IP Configuration**.

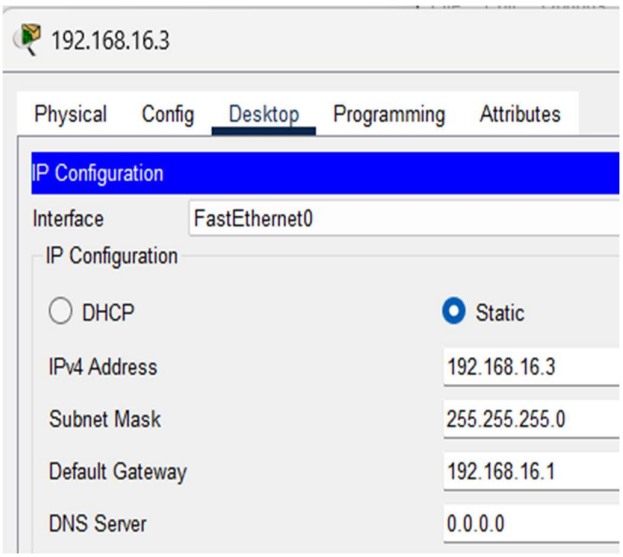
b. Enter details:

- **C1**: IP = 192.168.15.2, Subnet = 255.255.255.0, Gateway = 192.168.15.1
- **C2**: IP = 192.168.15.3, Subnet = 255.255.255.0, Gateway = 192.168.15.1
- **C3**: IP = 192.168.16.2, Subnet = 255.255.255.0, Gateway = 192.168.16.1
- **C4**: IP = 192.168.16.3, Subnet = 255.255.255.0, Gateway = 192.168.16.1

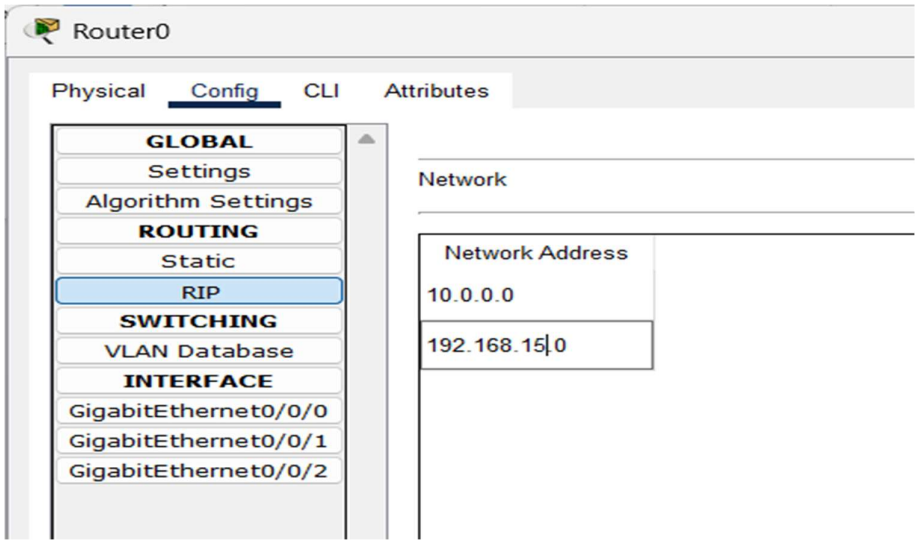


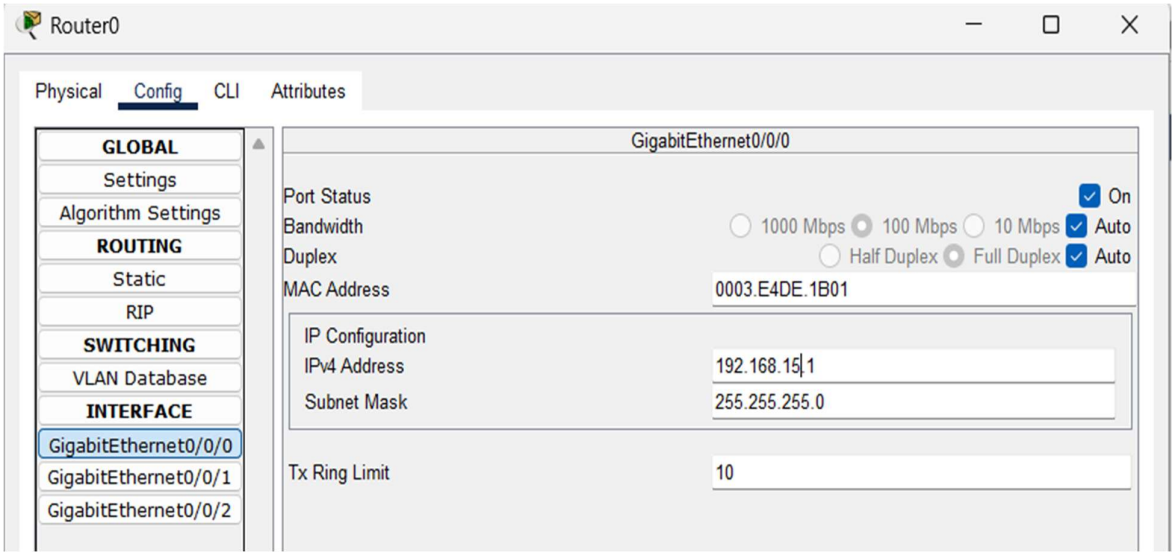


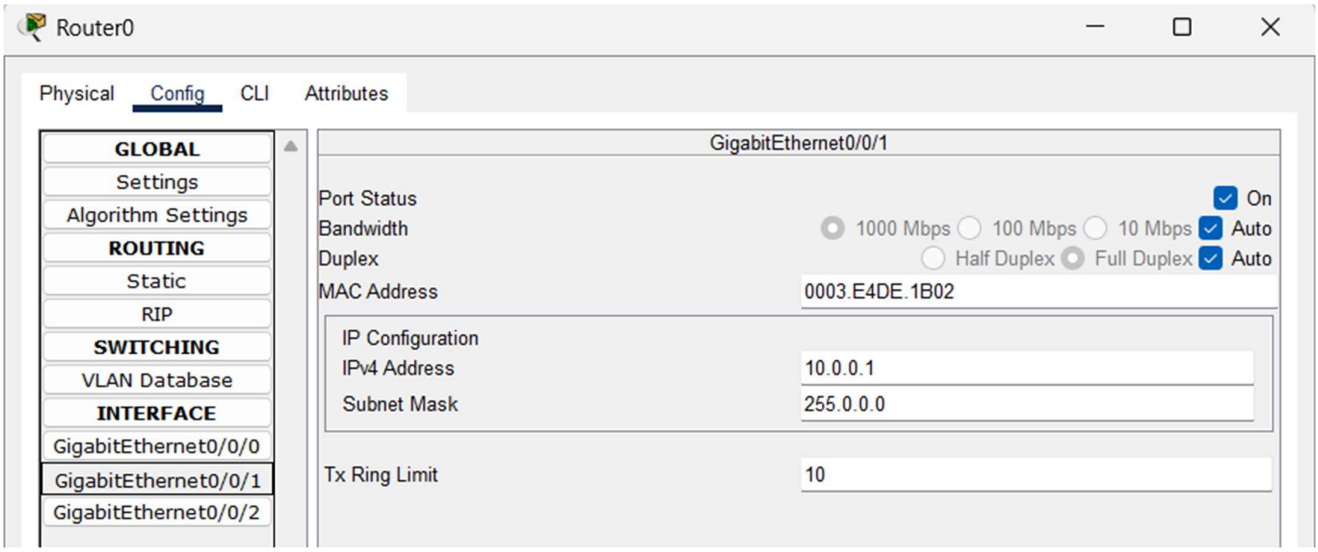




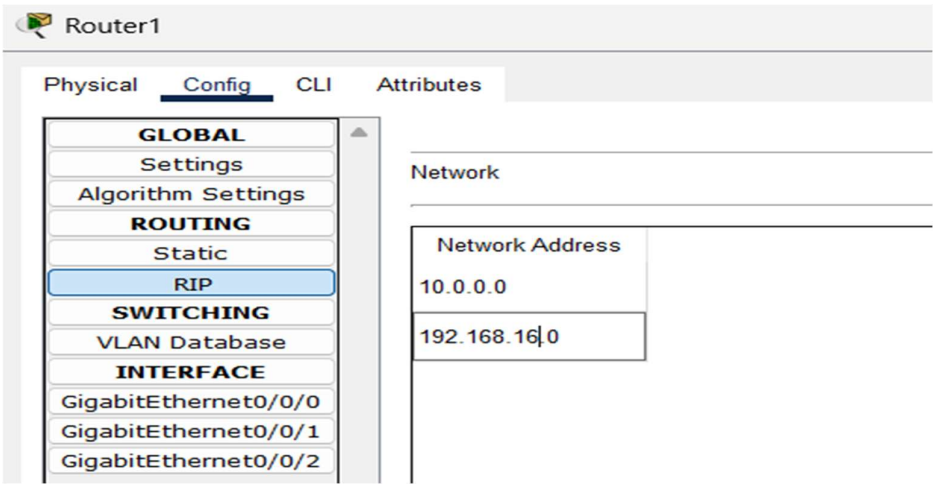
4) Configure Router1 interfaces

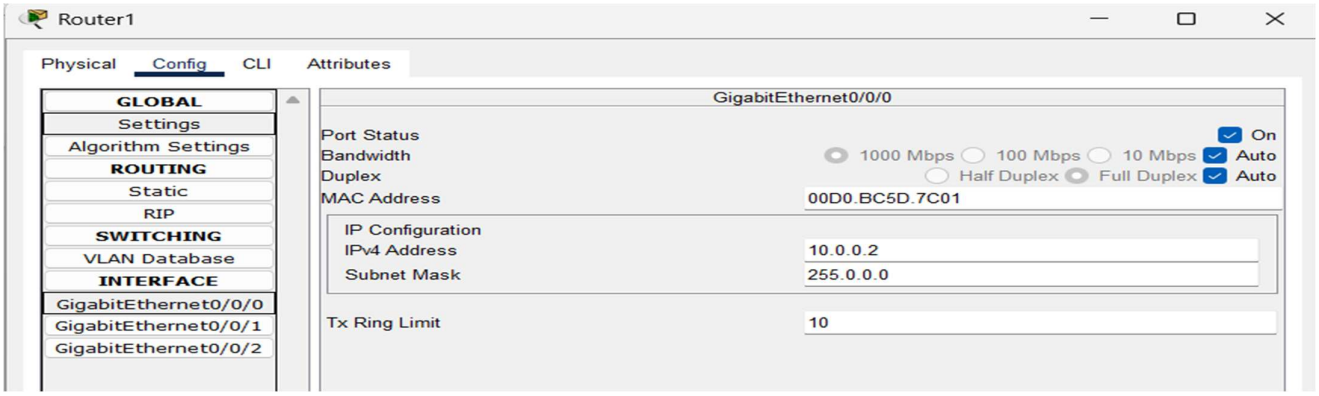


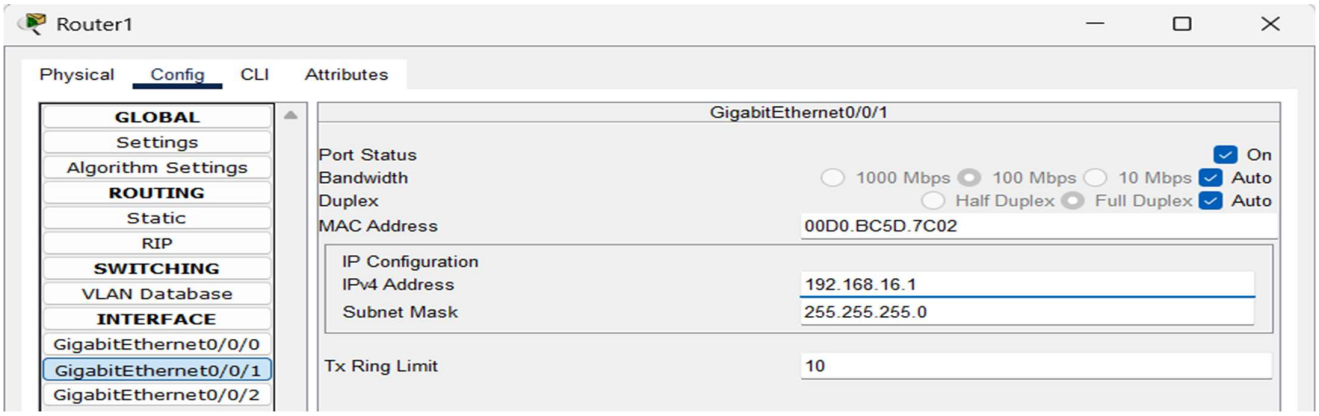




5) Configure Router2 interfaces

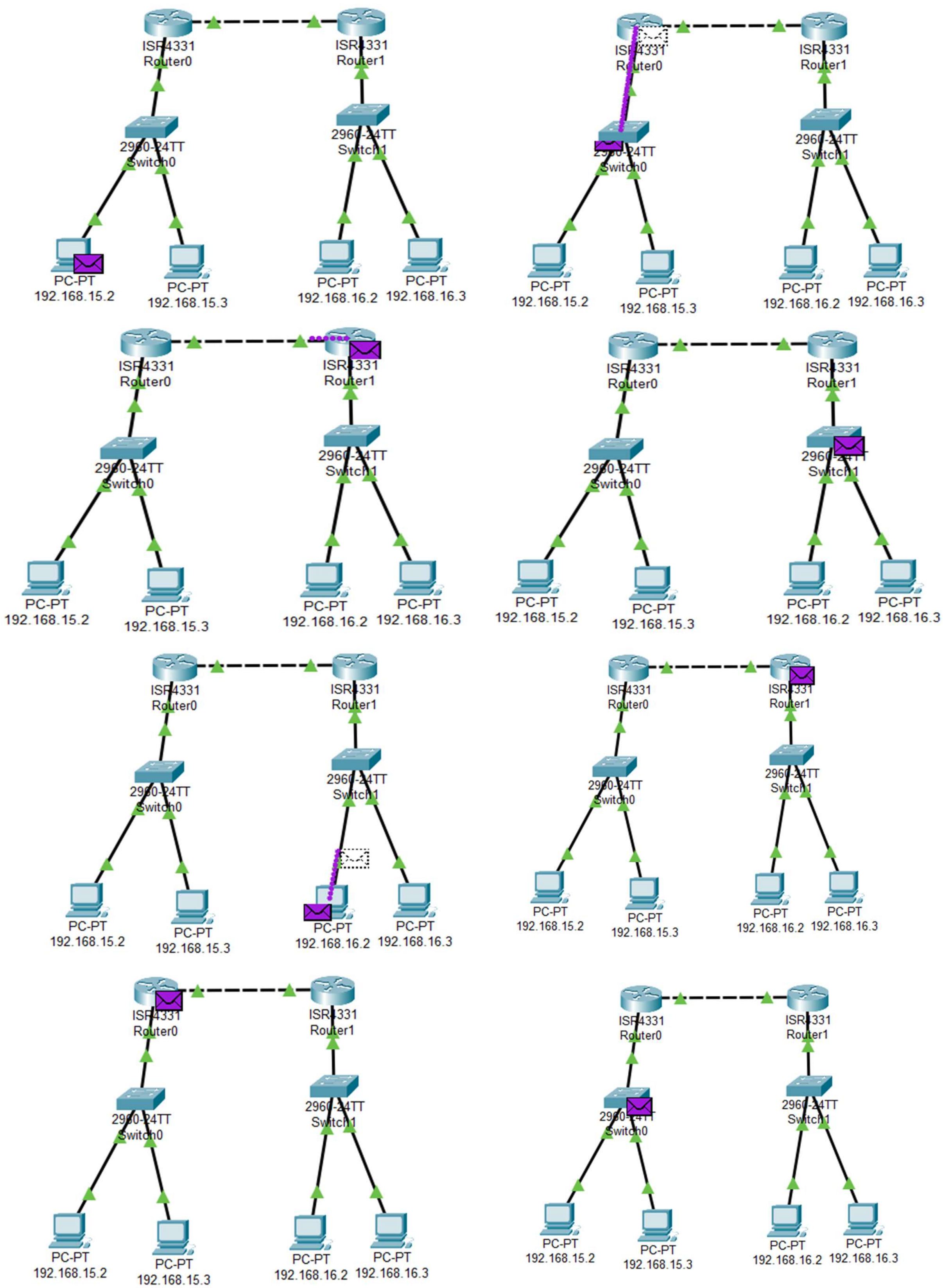


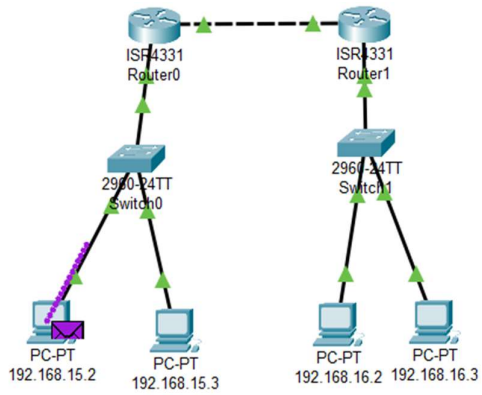


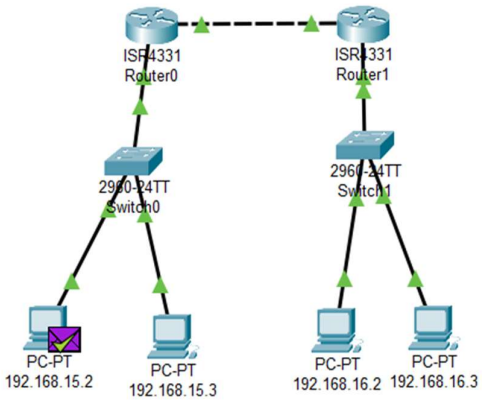


6) Real-Time and Simulation Mode:

- Go to Simulation Mode:
- Use "Add Simple PDU" tool.
  Click on sender PC and receiver PC to send a packet.
- Run the simulation.







Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	0.000	--	192.168.15.2	ICMP
	0.001	192.168.15.2	Switch0	ICMP
	0.002	Switch0	Router0	ICMP
	0.003	Router0	Router1	ICMP
	0.004	Router1	Switch1	ICMP
	0.005	Switch1	192.168.16.2	ICMP
	0.006	192.168.16.2	Switch1	ICMP
	0.007	Switch1	Router1	ICMP
	0.008	Router1	Router0	ICMP
	0.009	Router0	Switch0	ICMP
	0.010	Switch0	192.168.15.2	ICMP
Visible	0.995	--	Router0	RIPv1
Visible	0.995	--	Router0	RIPv1
	0.996	Router0	Switch0	RIPv1
	0.996	Router0	Router1	RIPv1
	0.997	Switch0	192.168.15.2	RIPv1

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	192.168.15.2	192.168.16.2	ICMP		0.000	N	0	(edit)	(delete)