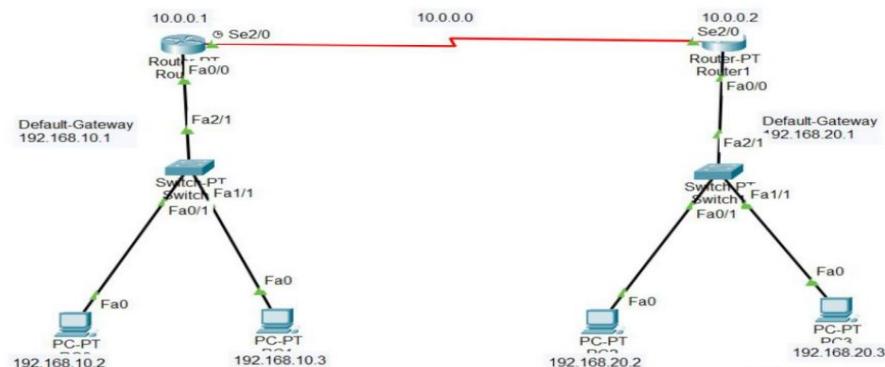
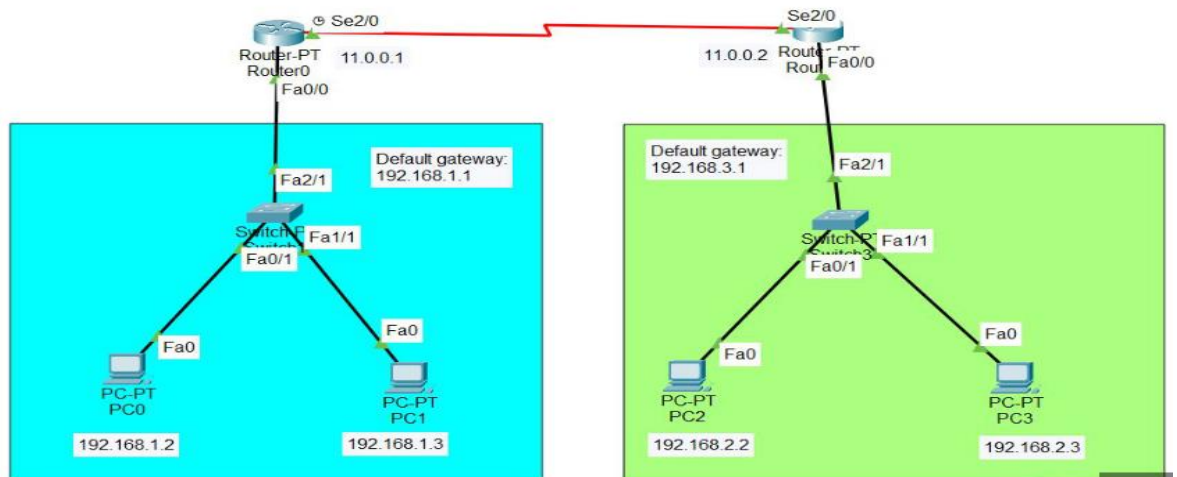


## Computer network lab

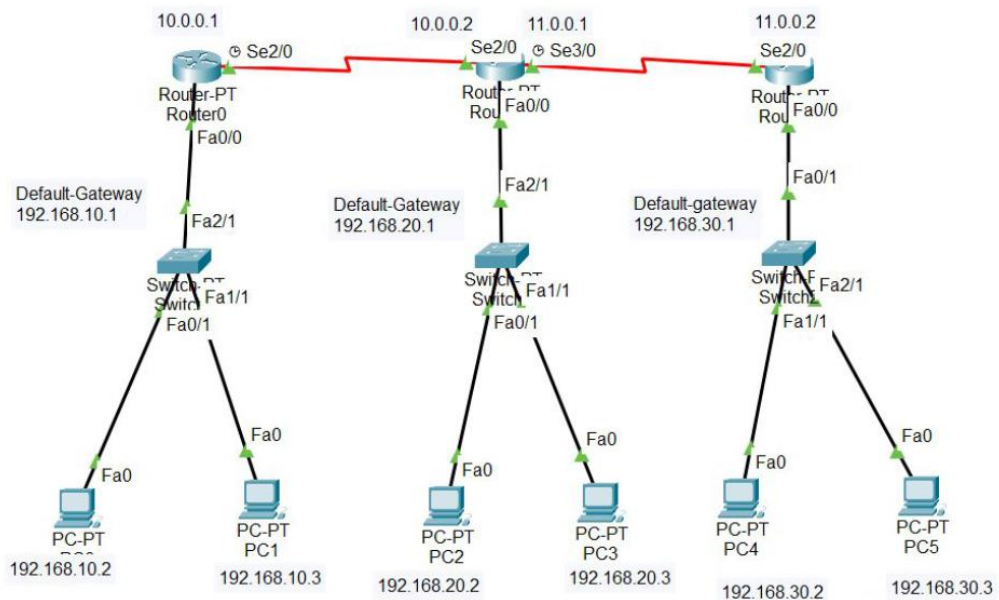
1. **Lab work 1.** Study of different types of Network cables and practically implements the cross-wired cable and straight through cable using clamping tool.
2. **Lab work 2.** Study of following Network Devices in Detail.
  - a. Repeater
  - b. Hub
  - c. Switch
  - d. Bridge
  - e. Router
  - f. Gate Way
3. **Lab work 3.** Study of basic network command and Network configuration commands.
4. Implement the LAN topologies
  - a. **Lab work 4.** Bus topology
  - b. **Lab work 5.** Star topology
  - c. **Lab work 6.** Ring topology
  - d. **Lab work 7.** Tree topology
  - e. **Lab work 8.** Mesh topology
  - f. **Lab work 9.** Hybrid topology
5. Connection Between Two LANs Topologies in Cisco Using Interface
  - a. **Lab work 10.** Bus and star
  - b. **Lab work 11.** Star and tree
  - c. **Lab work 12.** Ring and bus
  - d. **Lab work 13.** Star and ring
6. Implementation of RIP Routing in Cisco for Connecting Two Routers
  - a. **Lab work 14**



- b. **Lab work 15** (note replace 192.168.3.1 default gateway by 192.168.2.1 in second network)



### c. Lab work 16



7. **Lab work 17** Basic Firewall Configuration in Cisco Packet Tracer
8. **Lab work 18** Configuring DNS and Web Server in Cisco Packet Tracer