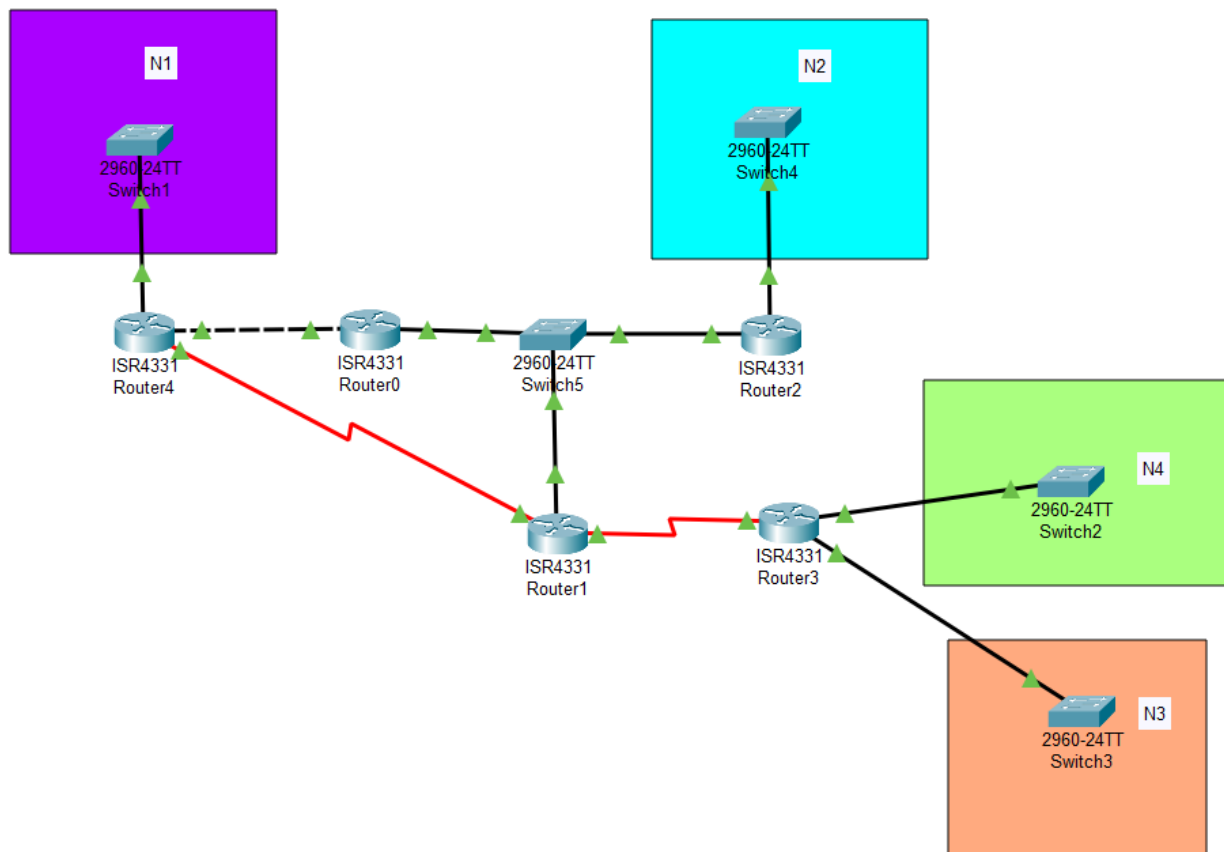


Packet tracer – laboratory test

Allotted time: 1h 30 min

Date: 13.01.2025



1. All the IPs from the local area networks (N1, N2, N3 and N4) are allocated from the range 67.222.224.0/20. Perform subnetting (using the minimum subnet size) such that:

- N1 can store 896 hosts
- N2 can store 512 hosts
- N3 can store 320 hosts
- N4 can store 200 hosts

2. On at least one of the LANs use DHCP to assign IPs to hosts.

3. Configure dynamic routing using RIP v2.

4. Add a server in N3 and set it up to be both a web server and a DNS server. The address of the server should be mapped to the name *cs.ubbcluj.ro*. Set this server as the DNS server for the hosts in N2 and N3.