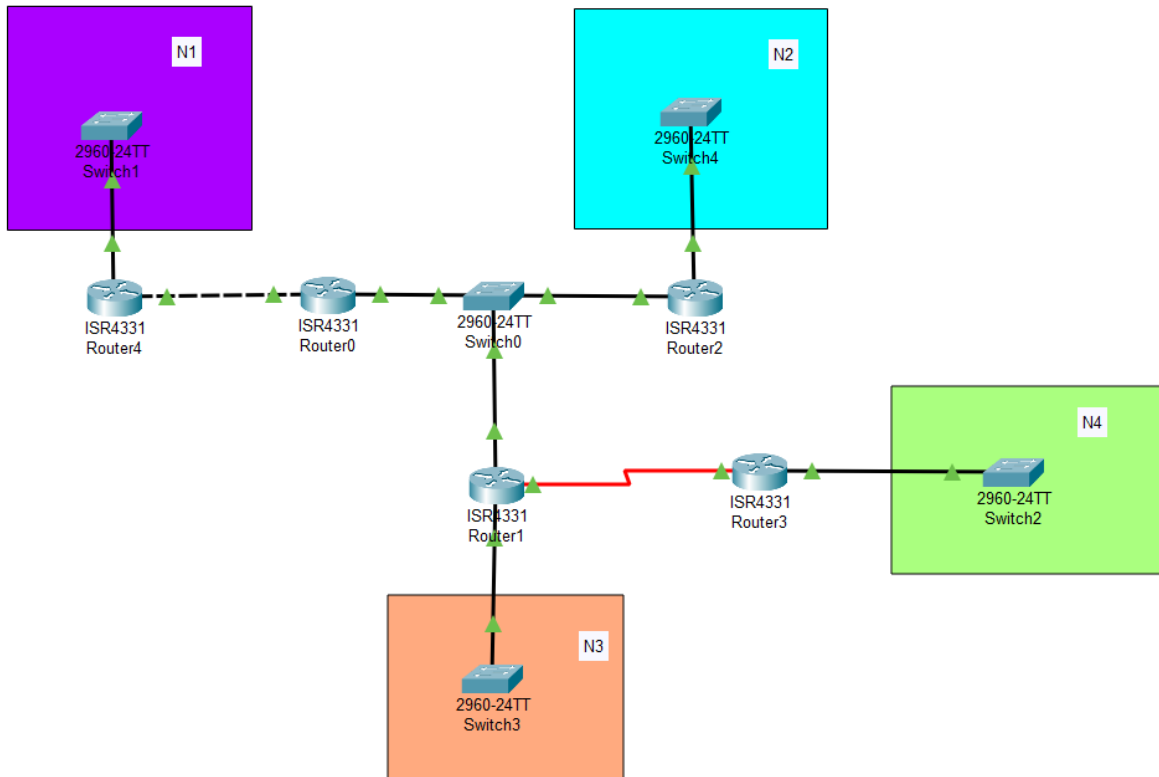


## Packet tracer – laboratory test

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 179.26.224.0/23. Perform subnetting (using the minimum subnet size) such that:
  - LAN1 can store 120 hosts
  - LAN2 can store 98 hosts
  - LAN3 can store 50 hosts
  - LAN4 can store 30 hosts
2. On at least one of the LANs use DHCP to assign IPs to hosts.
3. Configure dynamic routing using RIP v2.
4. In N4 add and configure a DNS and a HTTP server. The address of the server should be mapped to the name *google.ro*. Set this as the DNS server for the hosts in network N3 and N4.