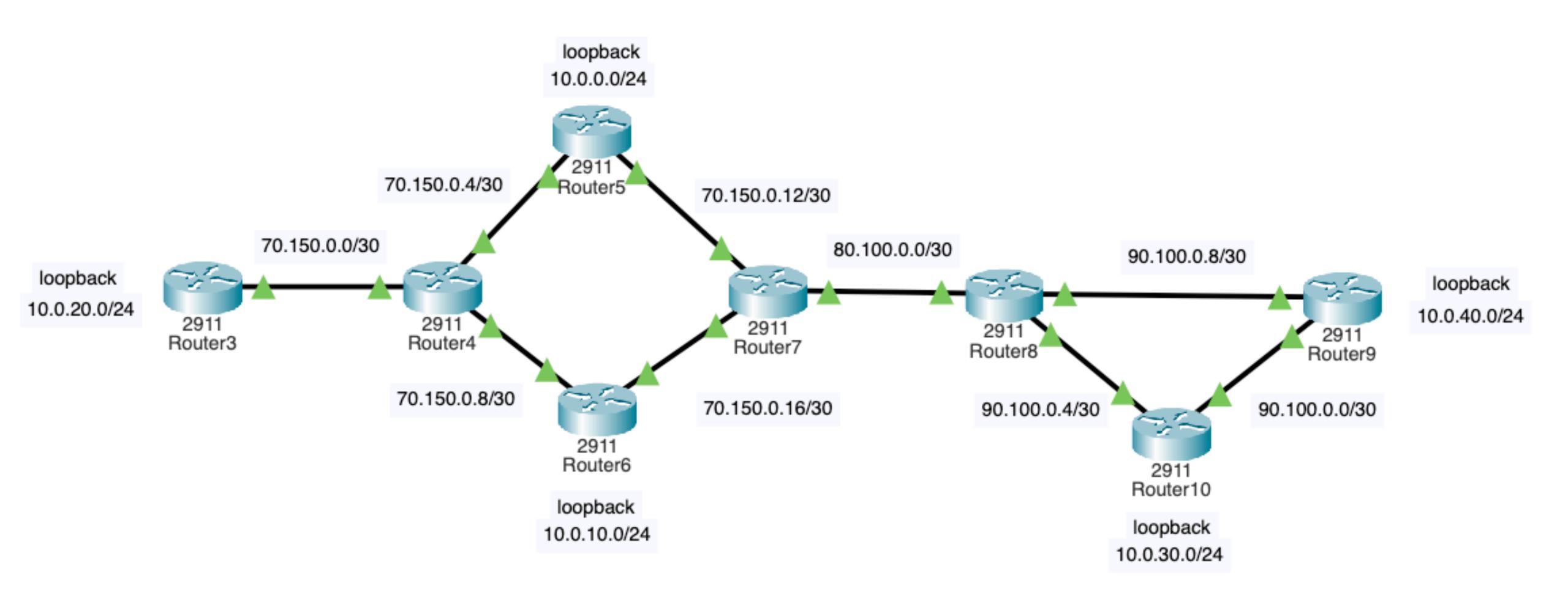
Computer Networks week 13. Static routing.

8 Routers Cisco 2911



Task

- 1. Place routers and connect them together (interfaces are up to you)
- 2. Assign IP addresses to interfaces
- 3. Configure virtual interfaces (loopback interfaces)
- 4. Configure routes on every router to all subnets (including virtual interfaces)
- 5. Check connections by ICMP requests
- 6. Try to decrease number of commands for static routes

Virtual interface configuration (via terminal)

Router# enable

Router# config

Router(config)# Interface loopback1

Router(config-if)# no shutdown

Router(config-if)# ip address 10.0.0.1 255.255.255.0

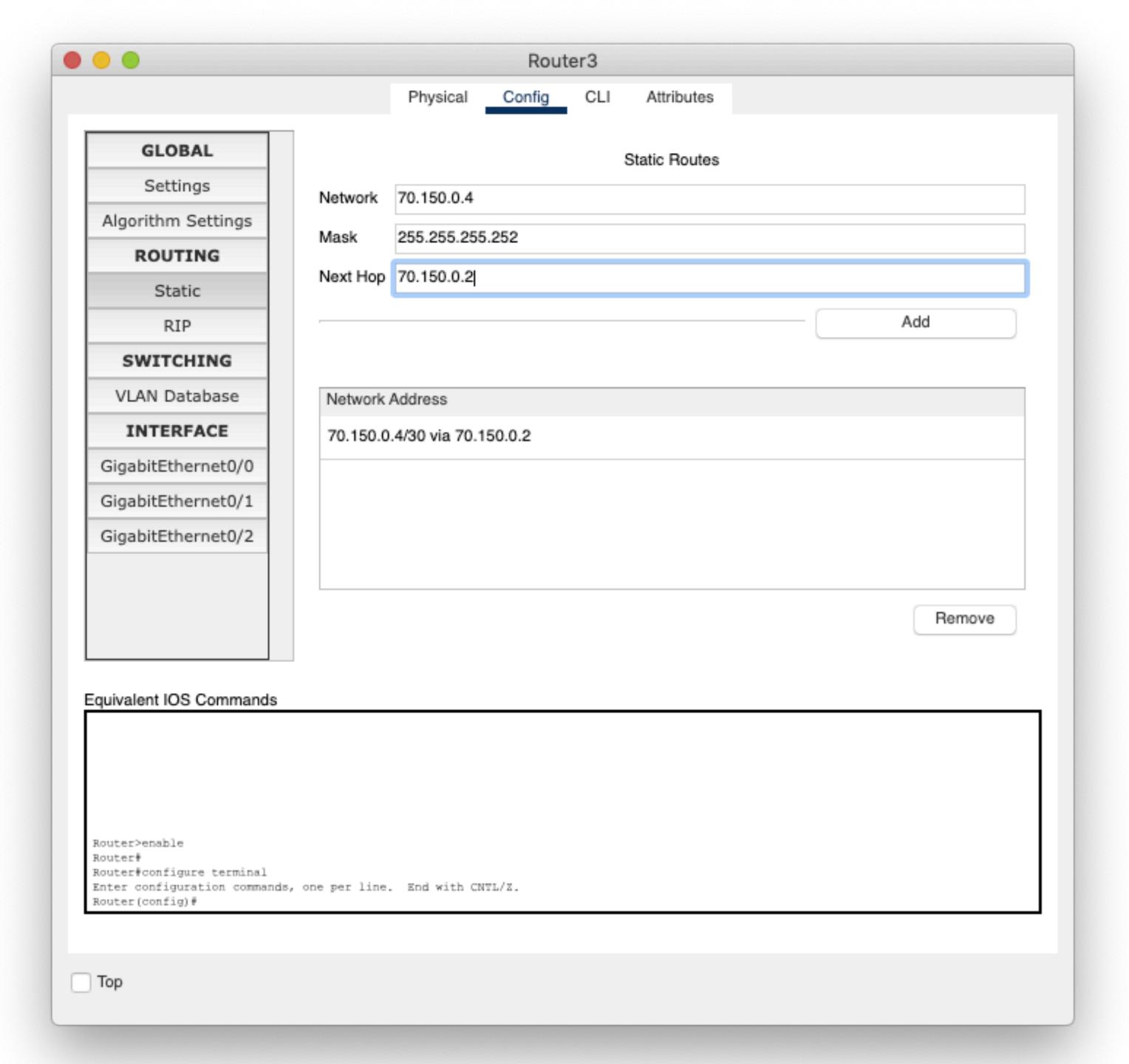
Router(config-if)# exit

Router(config)# exit

Router#

Static routes

This route from Router3 to subnet 70.150.0.4/30 via Router4 (Router4 has interface 70.150.0.2)



Useful commands

```
#show a routing table
Router# show ip route
#show status of interfaces
Router# show ip interface brief
#show current configuration
Router#show running-config
#save current configuration
Router#copy running-config startup-config
#ICMP requests
Router#ping 127.0.0.1
ROuter#traceroute 127.0.0.1
```