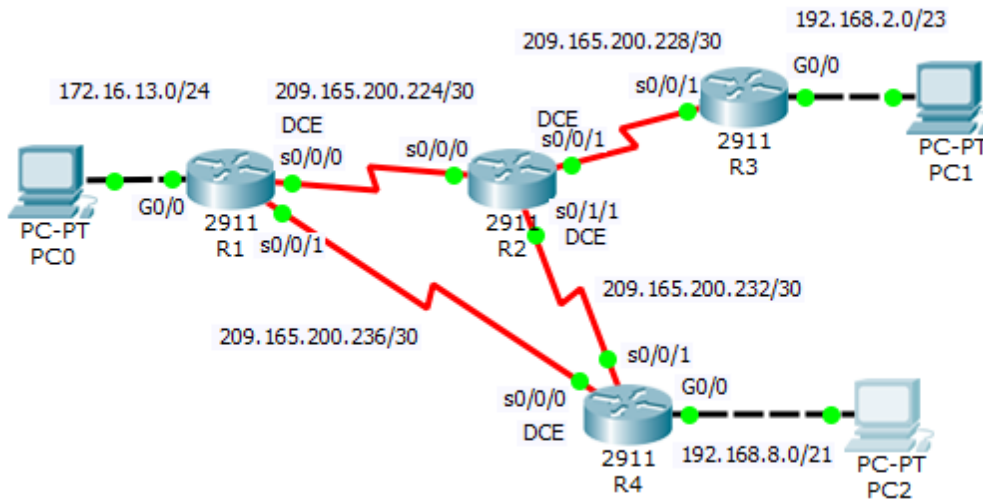


1404CT
Lab Evaluation #4
2nd semester 1439-1440

For the following network



Addresses Table

Device	Interface	IP address	Subnet mask	Default Gateway
R1	G0/0	172.16.13.1	255.255.255.0	N/A
	S0/0/0	209.165.200.225	255.255.255.252	N/A
	S0/0/1	209.165.200.238	255.255.255.252	N/A
R2	S0/0/0	209.165.200.226	255.255.255.252	N/A
	S0/0/1	209.165.200.229	255.255.255.252	N/A
	S0/1/1	209.165.200.233	255.255.255.252	N/A
R3	G0/0	192.168.2.1	255.255.254.0	N/A
	S0/0/1	209.165.200.230	255.255.255.252	N/A
	Lo0	3.3.3.3	255.255.255.255	N/A
R4	G0/0	192.168.8.1	255.255.248.0	N/A
	S0/0/0	209.165.200.237	255.255.255.252	N/A
	S0/0/1	209.165.200.234	255.255.255.252	N/A
PC0		172.16.13.10	255.255.255.0	172.16.13.1
PC1		192.168.2.10	255.255.254.0	192.168.2.1
PC2		192.168.8.10	255.255.248.0	192.168.8.1

1- Set up the topology, configure basic device settings and verify LAN connectivity.

2- Configure ospf routing algorithm

a. ospf process id

R1: 10 R2: 20 R3:30 R4: 40

b. router id:

R1: 1.1.1.1 R2: 2.2.2.2 R3:Loopback interface R4: Interface IP address

c. On R1, and R2 enable the ospf by using the network addresses

d. On R3, and R4 enable the ospf by using the interface ip addresses

e. Configure all the LAN interfaces in all routers as a passive interface