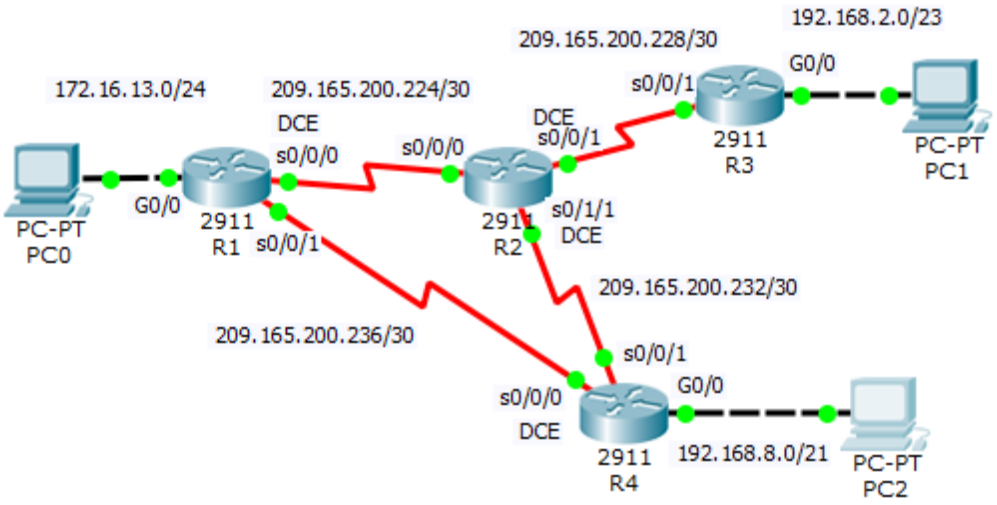
For the following network



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
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 RIPv2 routing protocol in all routers and configure the LAN ports as a passive interfaces.
3- Configure PPP as the encapsulation method on all the serial interfaces
4- Configure PPP authentication as follow
   a. Between R1 and R2 use the PAP : R1 password is 111 and R2 password is 222
   b. Between R1 and R4 use the CHAP : password is 1000
   c. Between R2 and R4 use the PAP: password is 2424
   d. Between R2 and R3 use the CHAP : password is 2000