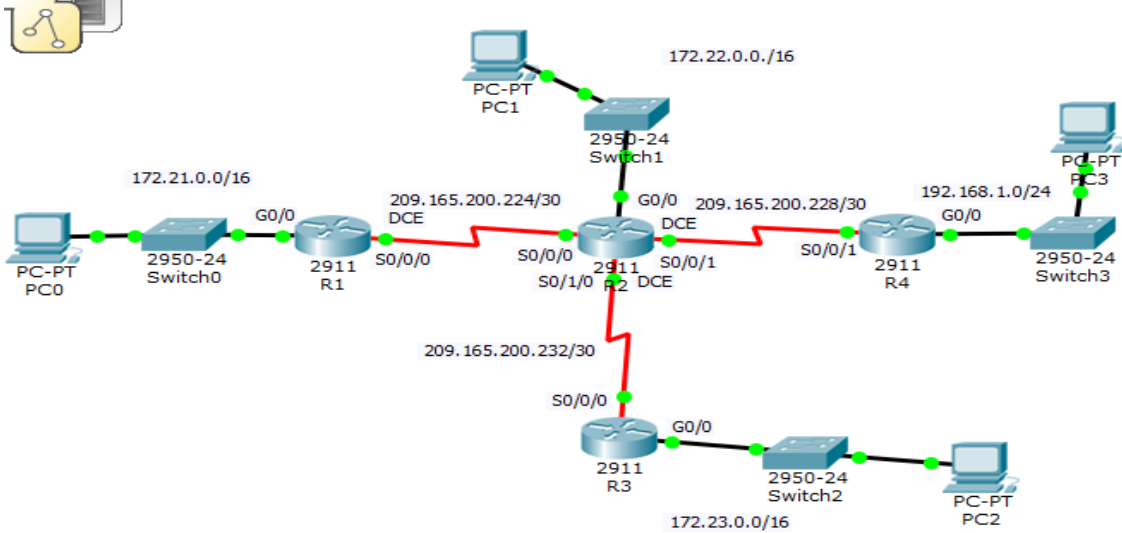


Name..... ID.....

Q5) For the following network



Addresses Table

Device	Interface	IP address	Subnet mask	Default Gateway
R1	G0/0	172.21.0.1	255.255.0.0	N/A
	S0/0/0	209.165.200.225	255.255.255.252	N/A
R2	G0/0	172.22.0.1	255.255.0.0	N/A
	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
	S0/1/0	209.165.200.233	255.255.255.252	N/A
R3	G0/0	172.23.0.1	255.255.0.0	N/A
	S0/0/0	209.165.200.234	255.255.255.252	N/A
R4	G0/0	192.168.1.1	255.255.255.0	N/A
	S0/0/1	209.165.200.230	255.255.255.252	N/A
PC0		172.21.0.100	255.255.0.0	172.21.0.1
PC1		172.22.0.100	255.255.0.0	172.22.0.1
PC2		172.23.0.100	255.255.0.0	172.23.0.1
PC3		192.168.1.100	255.255.255.0	192.168.1.1

1- Set Up the Topology and Configure Basic Device Settings

- Set the IP addresses of the devices and router interfaces (for the serial interfaces set the clock rate to 64000).
- Set the following IP address to Switch0 :
172.21.0.50 subnetmask: 255.255.0.0 Default Gateway: 172.21.0.1
- On R1 do the following configurations

- the router hostname to "Branch A"
- Disable the DNS Lookup
- Configure the banner message to "This is a secure system.. Authorized Access only!!"
- Configure the secret password to "111"
- Configure the console password to "222"
- Configure the VTY password to "1000"
- Configure password encryption for this router
- Add a description to the router LAN interface: "Link to the Branch A"
- Save the running configuration file in the start configuration file

2- Configure Static Routes

- On R1, configure a default route using the exit interface as a next hop option
- On R2, configure directly connected static routes to all networks
- On R3, Configure next hop static routes to all networks
- On R4, configure summary routes using the next hop IP address as next hop option.
- Verify the connectivity between the networks.