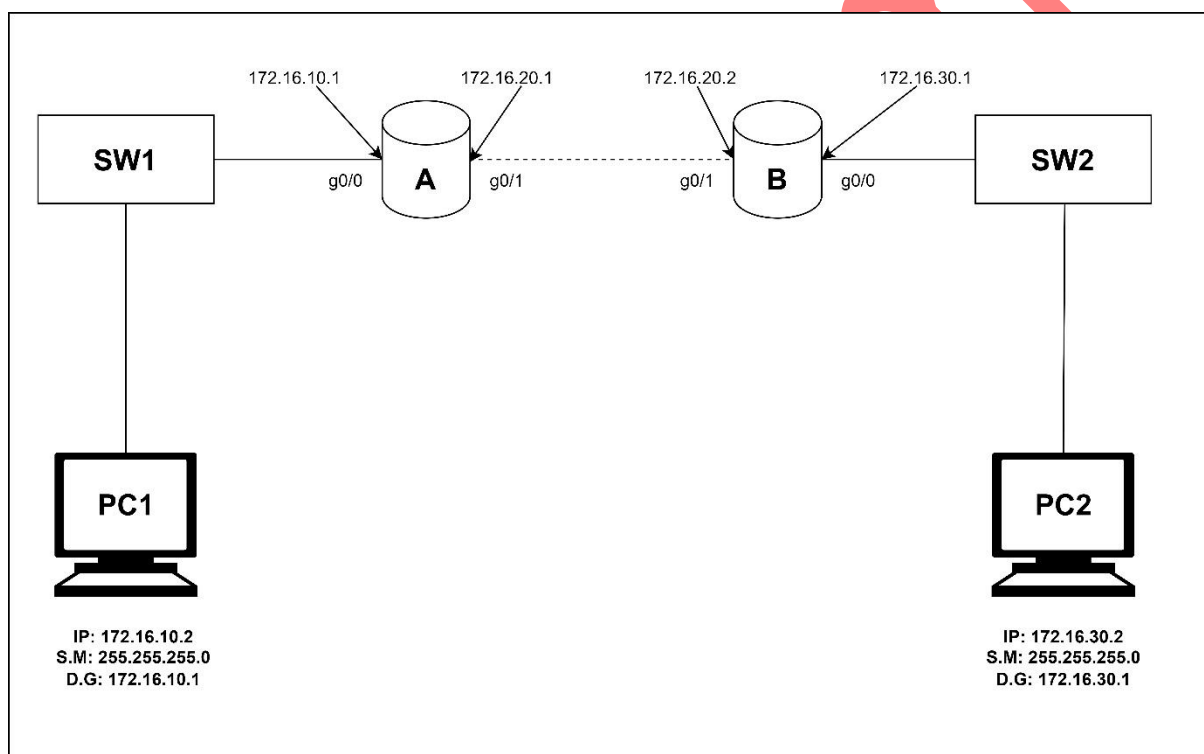## Assignment 1

Solve the 100 examples of finding subnet id and broadcast id of given IP in your notebook.

Assignment 2

1. **Use 1941 Router, configure following details as per diagram**

   - Hostname
   - Usermode and Privileged Mode passwords
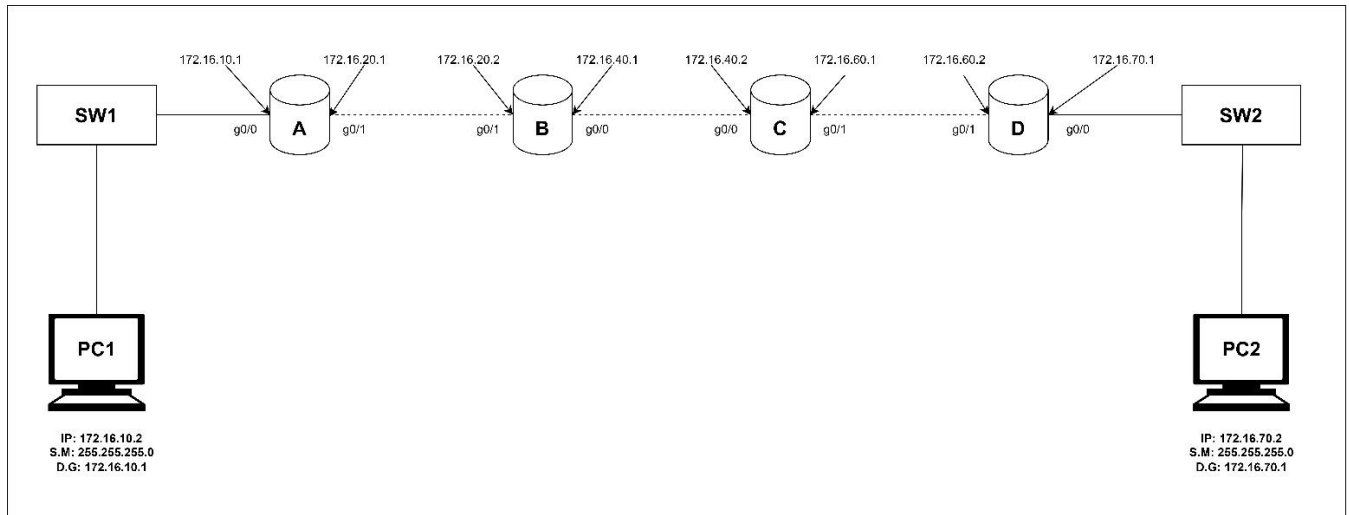   - configure IPs to given interfaces
   - configure static routing

After completing above scenario, PC1 should ping PC2.
Upload the screenshot of following commands output in your fcn git repo for evaluation
- **show ip interface brief**
- **show ip route**
- PC1 command prompt -> **ping 172.16.30.2**

2. Use 2911 Router, configure following details as per diagram

- Hostname
- Usermode and Privileged Mode passwords
- configure IPs to given interfaces
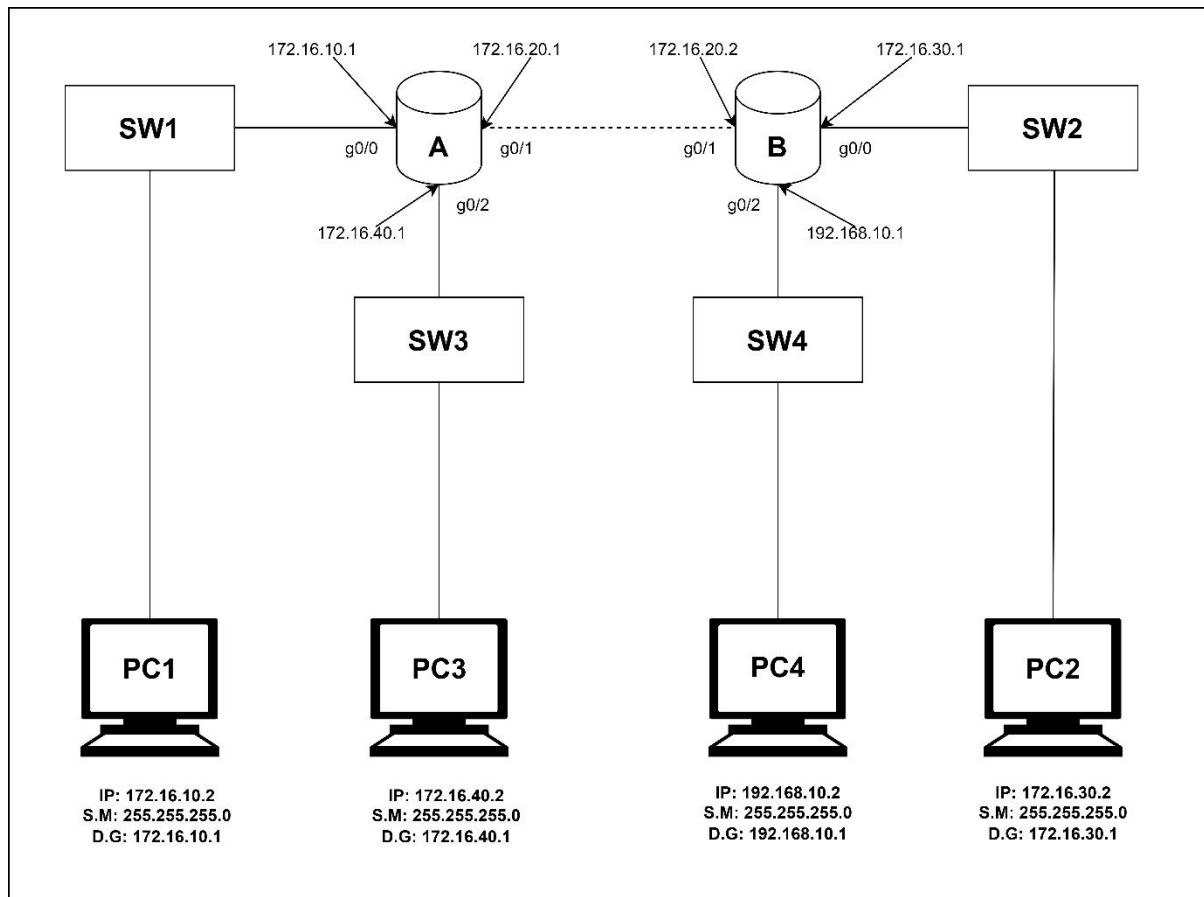- configure static routing

After completing above scenario, PC1 should ping PC2.
Upload the screenshot of following commands output in your fcn git repo for evaluation
- **show ip interface brief**
- **show ip route**
- PC1 command prompt -> **ping 172.16.70.2**

3. Use 2911 Router, configure following details as per diagram

- Hostname
- Usermode and Privileged Mode passwords
- configure IPs to given interfaces
- configure **RIP** routing protocol

After completing above scenario, Every PC should ping to each other.
Upload the screenshot of following commands output in your fcn git repo for evaluation
- **show ip interface brief**
- **show ip route**
- **command prompt ping from**
    - PC1 -> PC2
    - PC1 -> PC4