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**Subject: Computer Networks Lab** 

Lab 9

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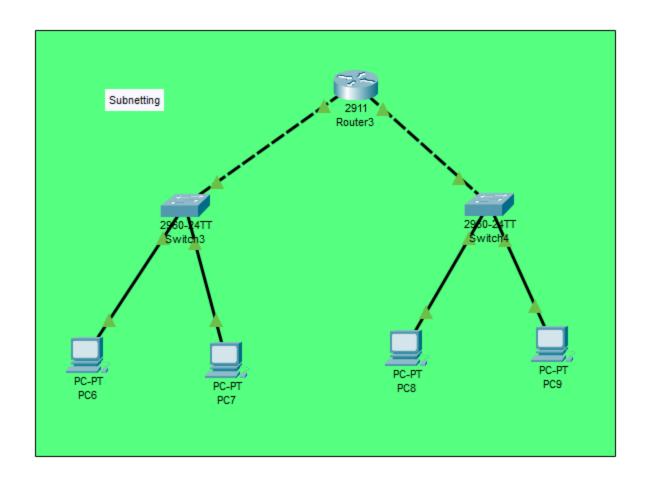
**Submitted To: Sir Rasikh** 

**Section: 5D** 

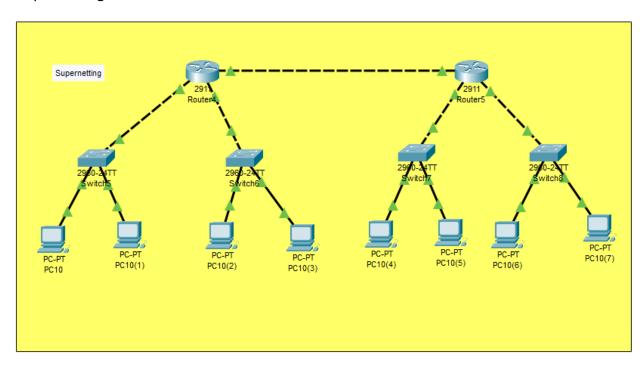
## Difference between Subnetting and Supernetting

Subnetting	Supernetting
Subnetting is the procedure to divide the network into sub-networks.	While Supernetting is the procedure of combining small networks.
In subnetting, Network addresses' bits are increased.	While in supernetting, Host addresses' bits are increased.
In subnetting, The mask bits are moved towards the right.	While In supernetting, The mask bits are moved towards the left.
Subnetting is implemented via Variable- length subnet masking.	While supernetting is implemented via Classless interdomain routing.
In subnetting, Address depletion is reduced or removed.	While It is used for simplifying the routing process.

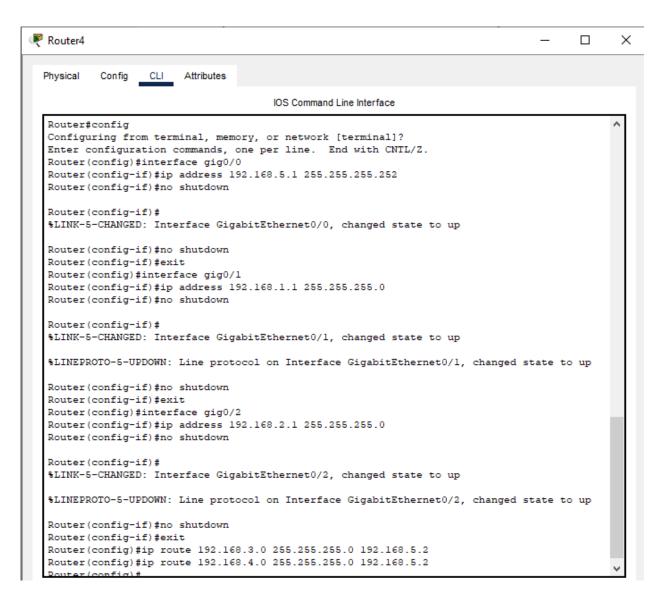
Subnetting:



## Supernetting:



## Supernetting Commands: First router



## Second router:

