Experiment No: 02
Experiment Name: Packet through Routers.

Objective:

Since we're going to transfer packet through Routers. we'll design a simple network diagram using " CISCO Packet Tracer".
First we'll test a simple packet transfer from one PC. The circuit contains one or more Hub(s) , Routers, some PCs. We'll connect two end point PC-to-PC , PC-to-Hub/Switch, PC to Routers, Routers to Hub, etc.

Design procedure:

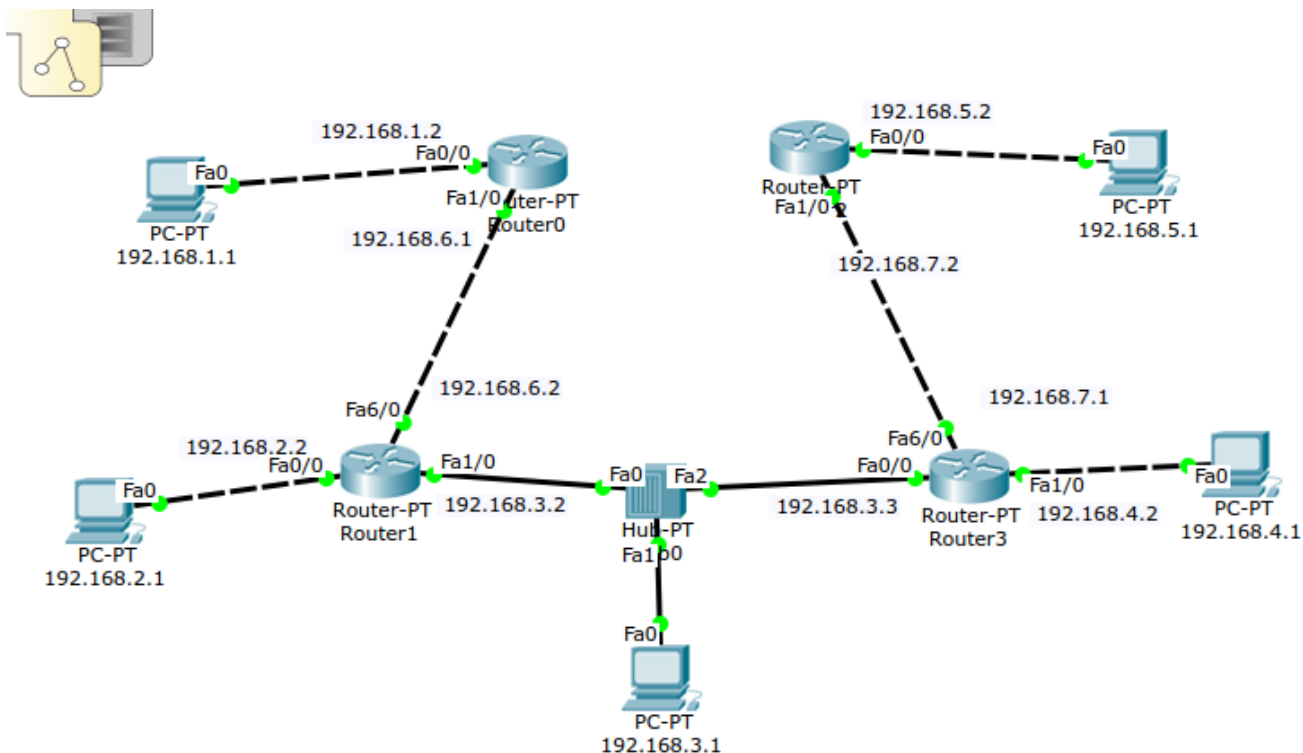Here a simple network connection using Routers & hubs:

Illustration 1: A network connection with routers & Hub

This figure shows the connection among PC , routers and hub.

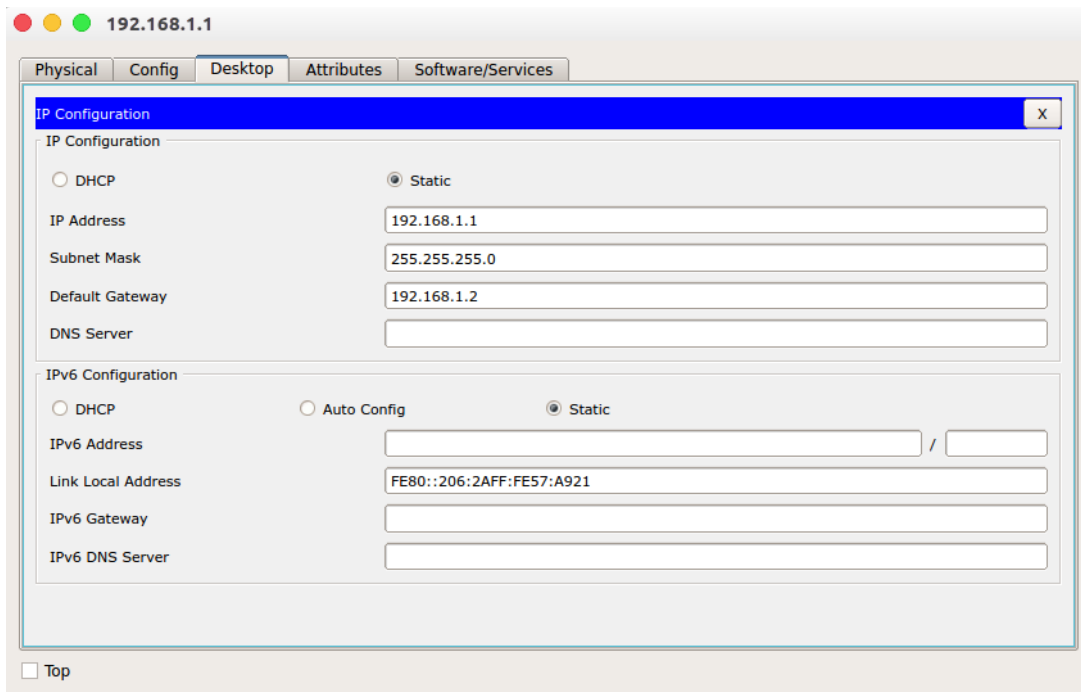## Details procedure of configure router, PC & hub:
1. PC IP configure:

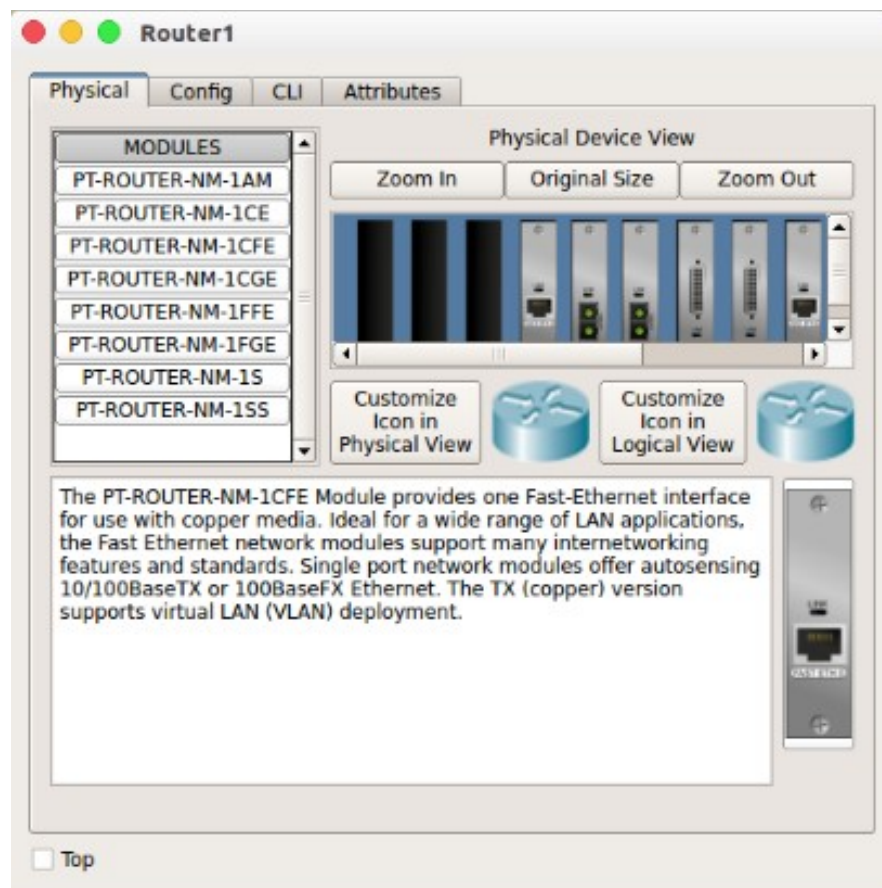

Illustration 2: IP configure of PC

2. Router configure:

Illustration 3: Add Interface card ICFE

Illustration 4: Fast Ethernet Configure

Illustration 5: Routes configure
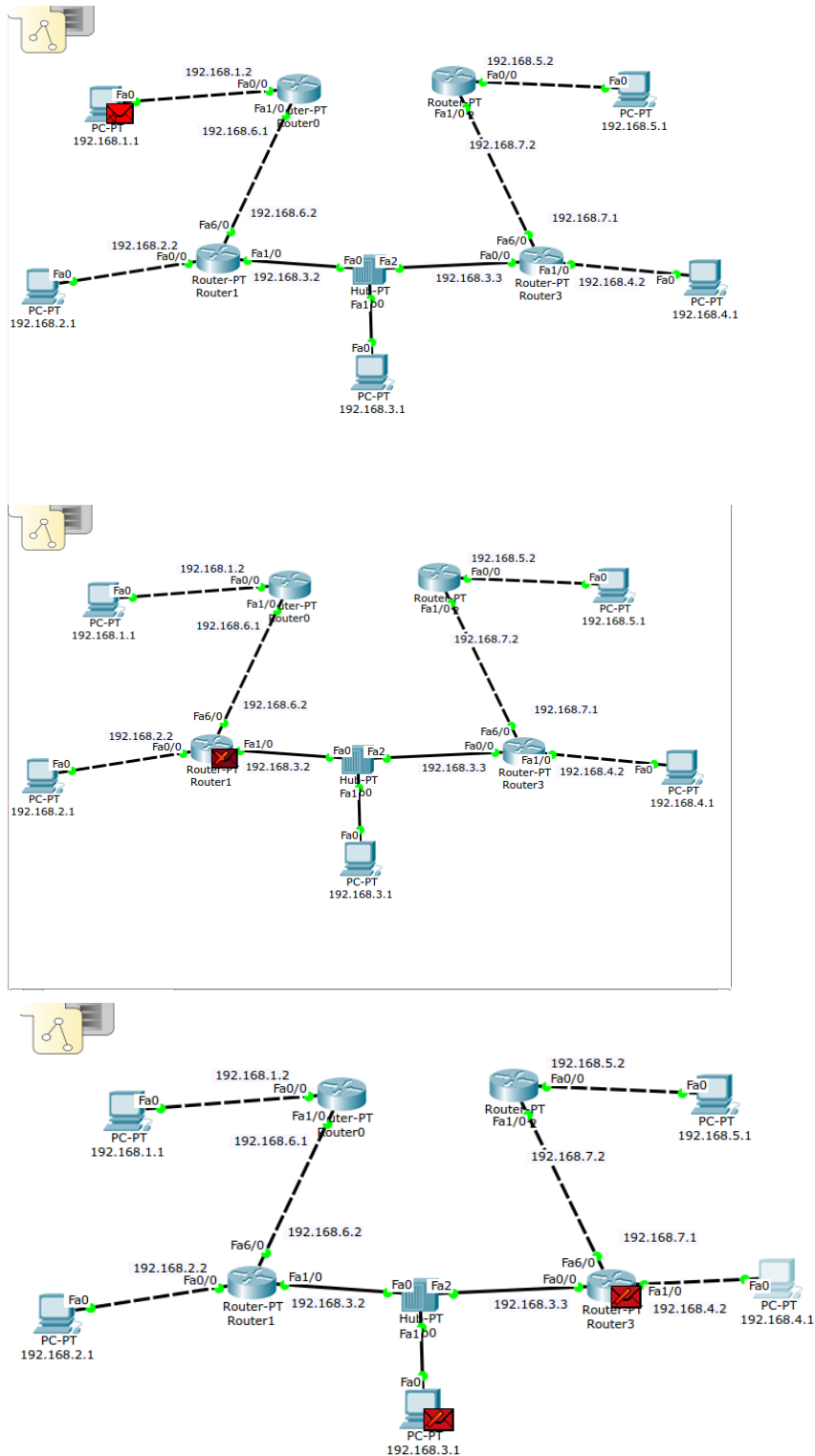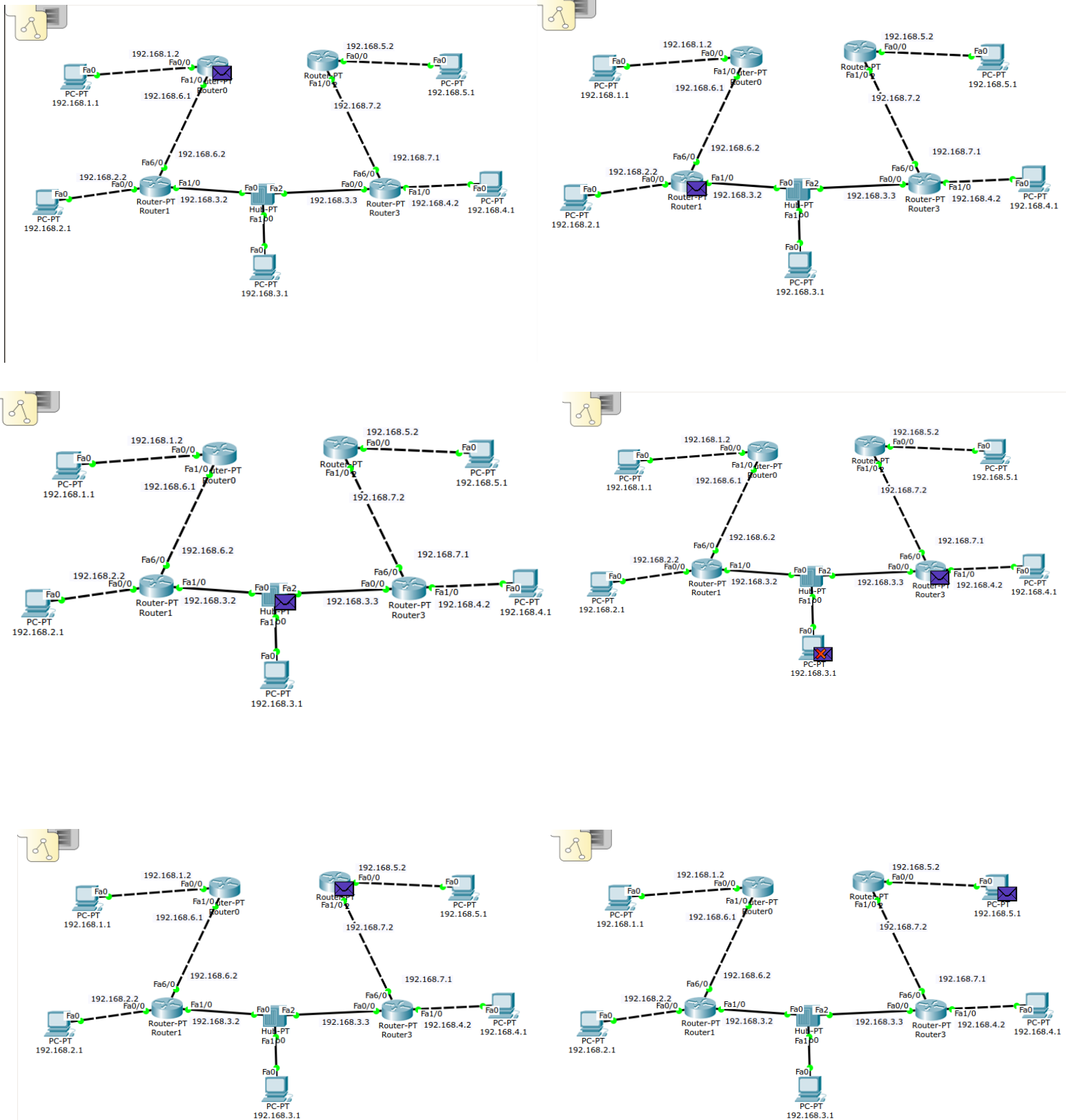
3. Packet transferring between two PC.

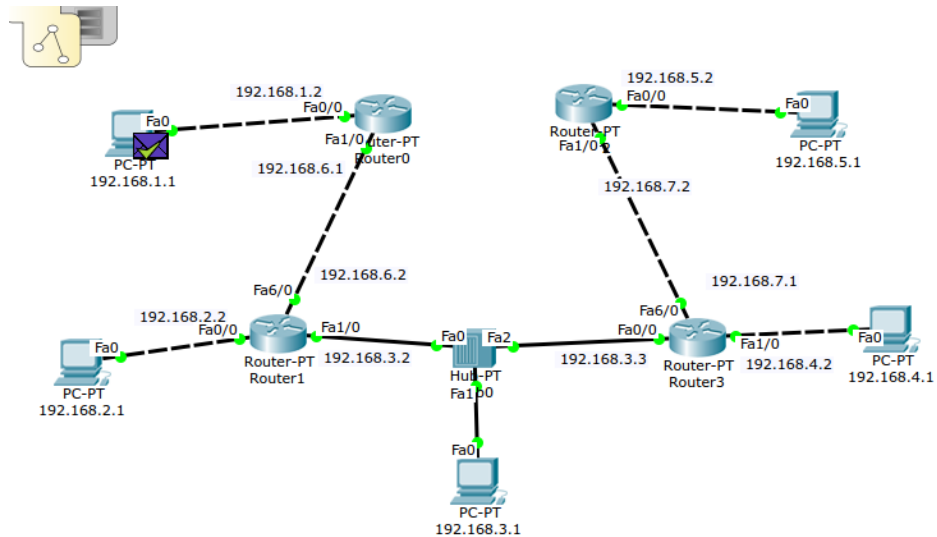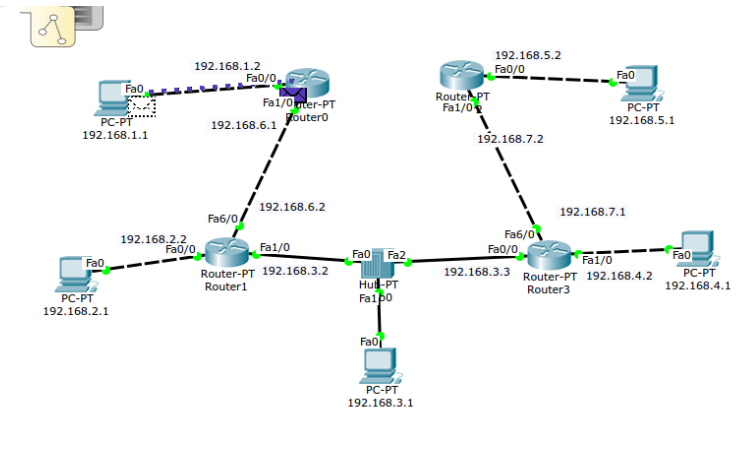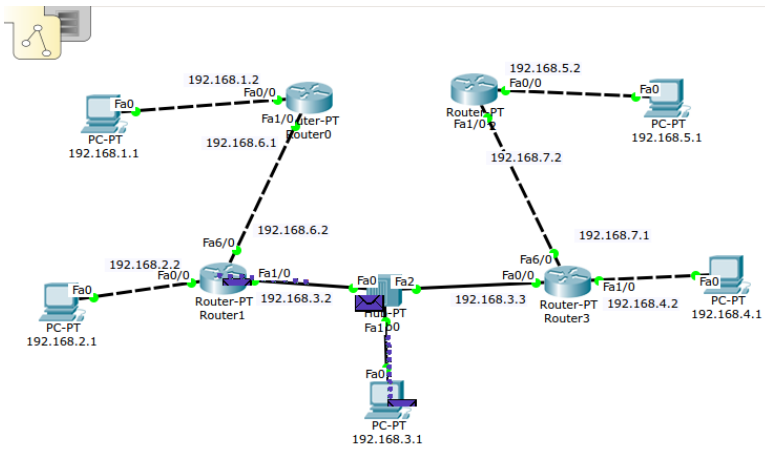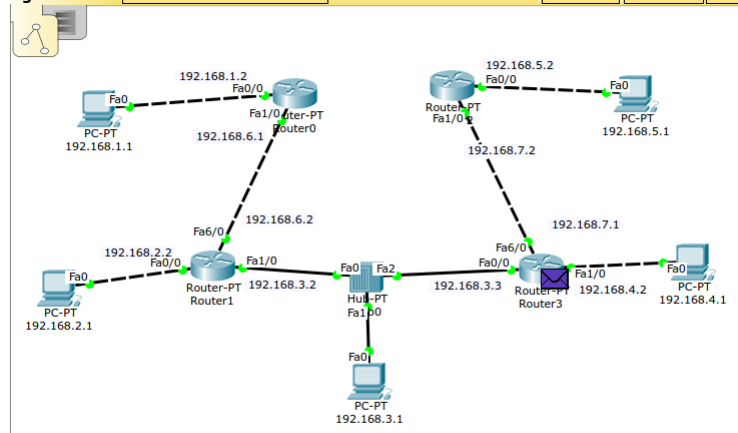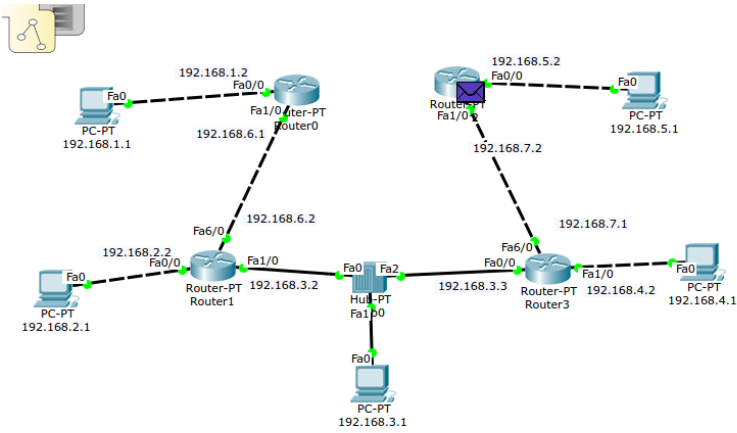*Illustration 6: First time packet transferring*

Successful packet transferring:

Illustration 7: Transferring packet trough Routers.