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Subject: Computer Networking
Practical.

Course: MCA 2A

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Problem Statement:

There is an organization A with multiple departments. design a network for the HR department and the size of the department is 10 users. also show the communication between user number 1 and user number 5 of the network.

Objective: To understand the connection between User 1 and user 5 in 10 many users

Description:

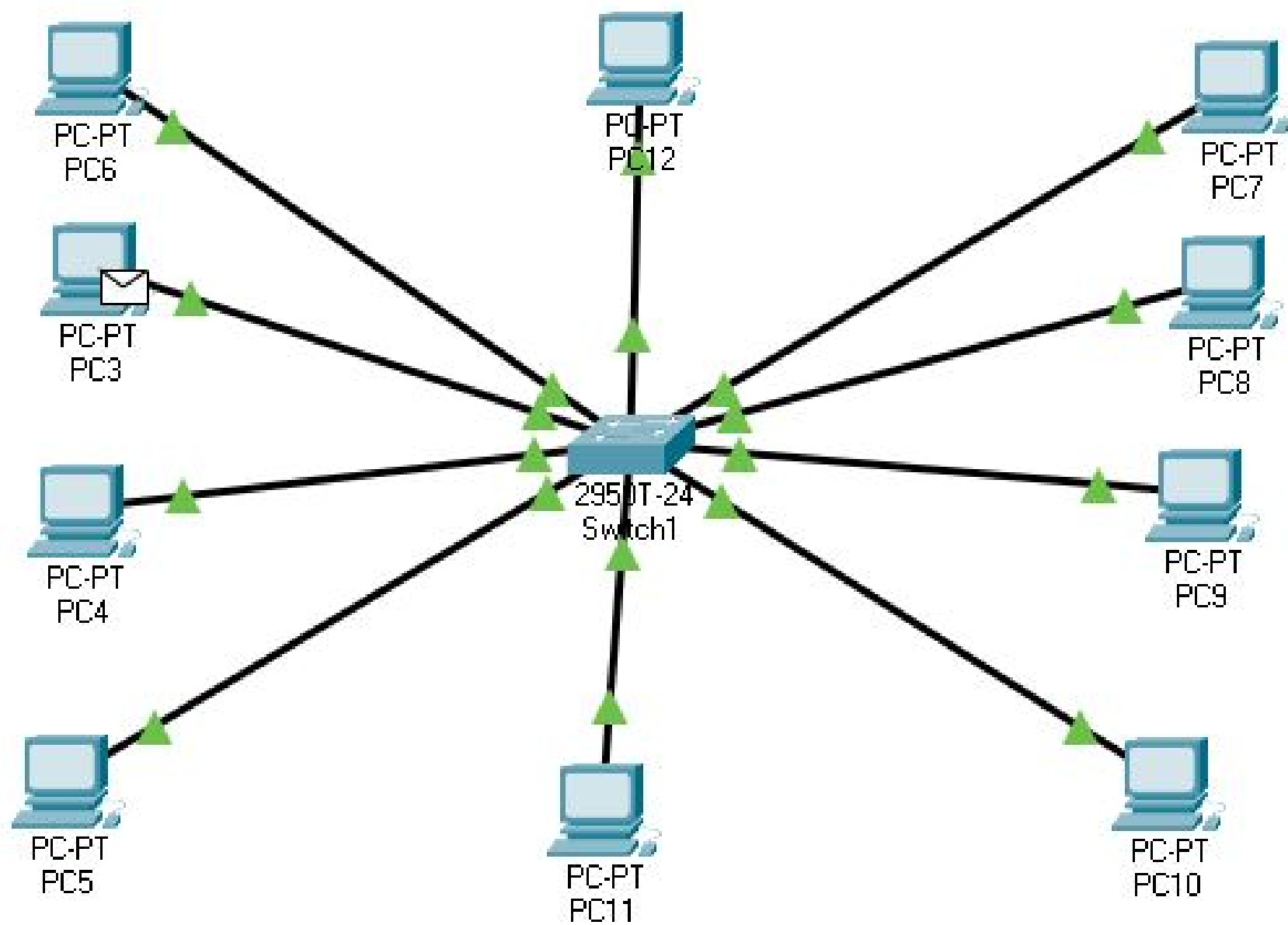
Step 1: open Cisco Packet Tracer

Step 2: Select End devices and 10 PC's (User/Computer) and a switch to connect.

Step 3: Select and configure all the PC (users) by right click > Config > Fast Ethernet 0.

Step 4 :- Put IPV4 Address as 192.168.1.3 for 1st PC and 192.168.1.2 second and so on. Subnet mask will filled automatically

Step 5 :- After connecting and configuring users send msg using msg icon on system 1 and click on system 5. Data will shared between the two system.

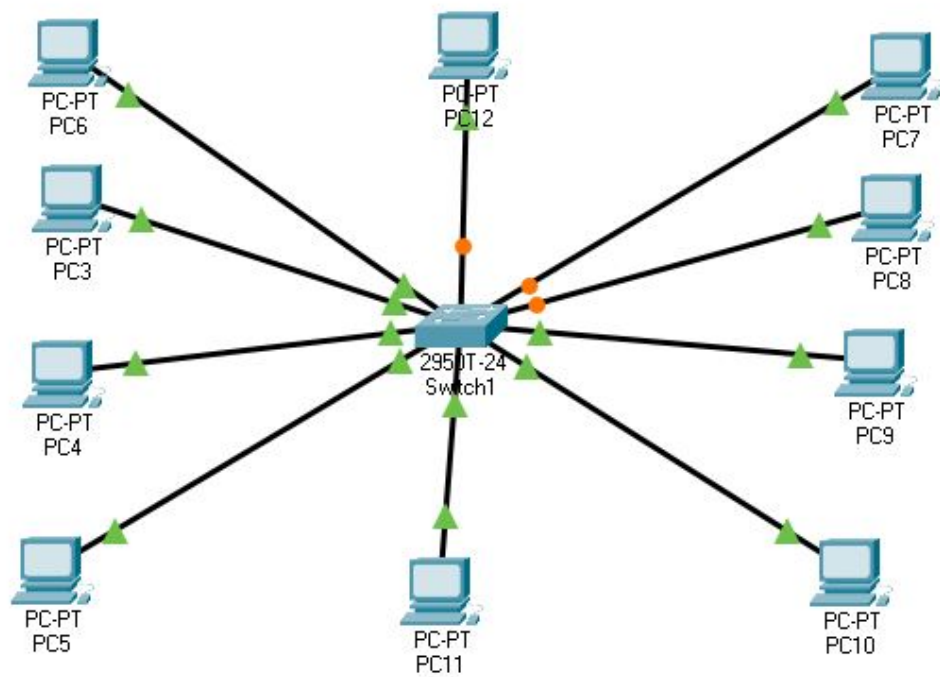


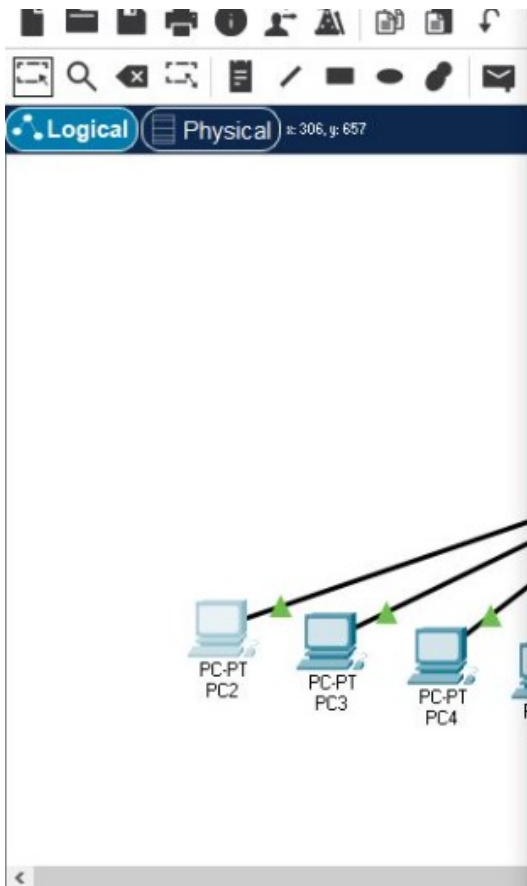




Logical Physical :: 779, y: 445

[Ro





Physical Config Desktop Programming Attributes

- GLOBAL
- Settings
- Algorithm Settings
- INTERFACE
- FastEthernet0
- Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.64DE.47CE

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.1.1

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::201:64FF:FEDE:47CE

[Root] 02:54:00