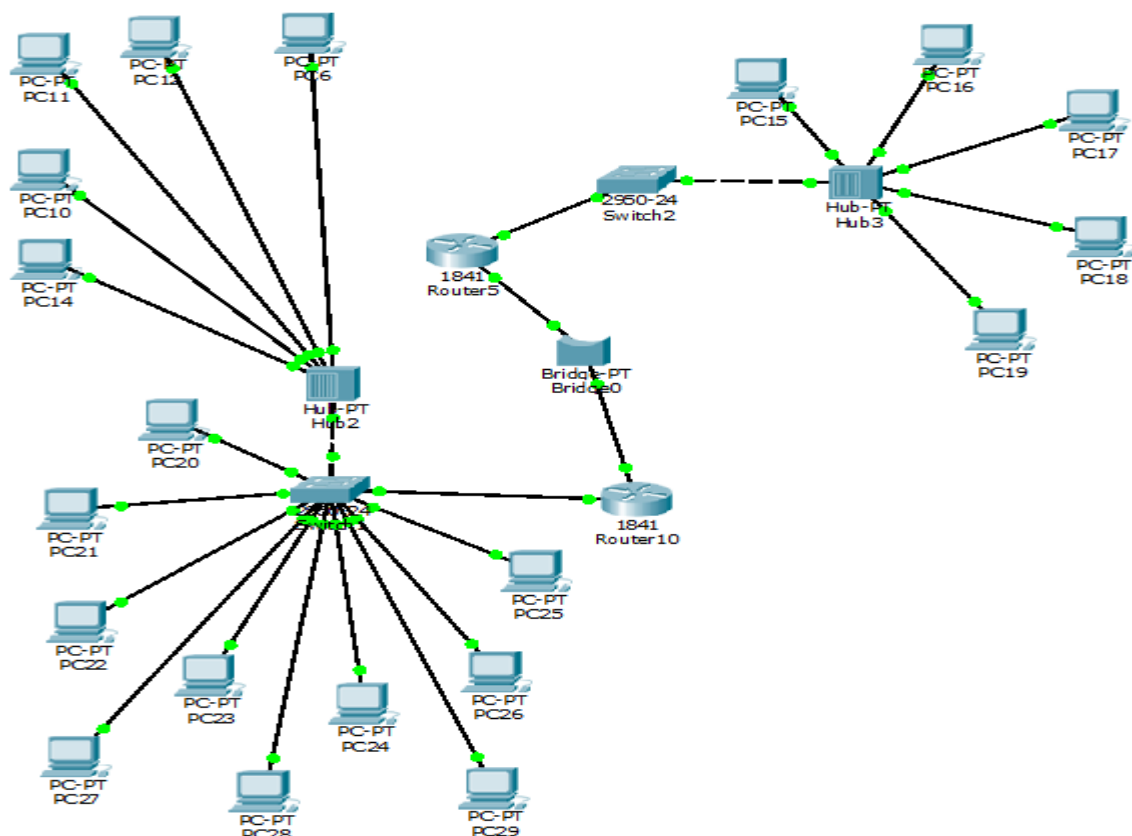
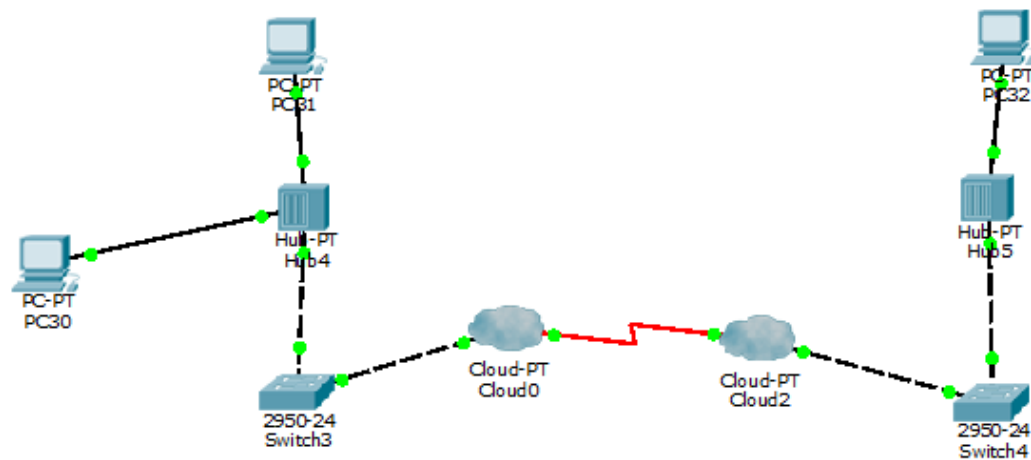


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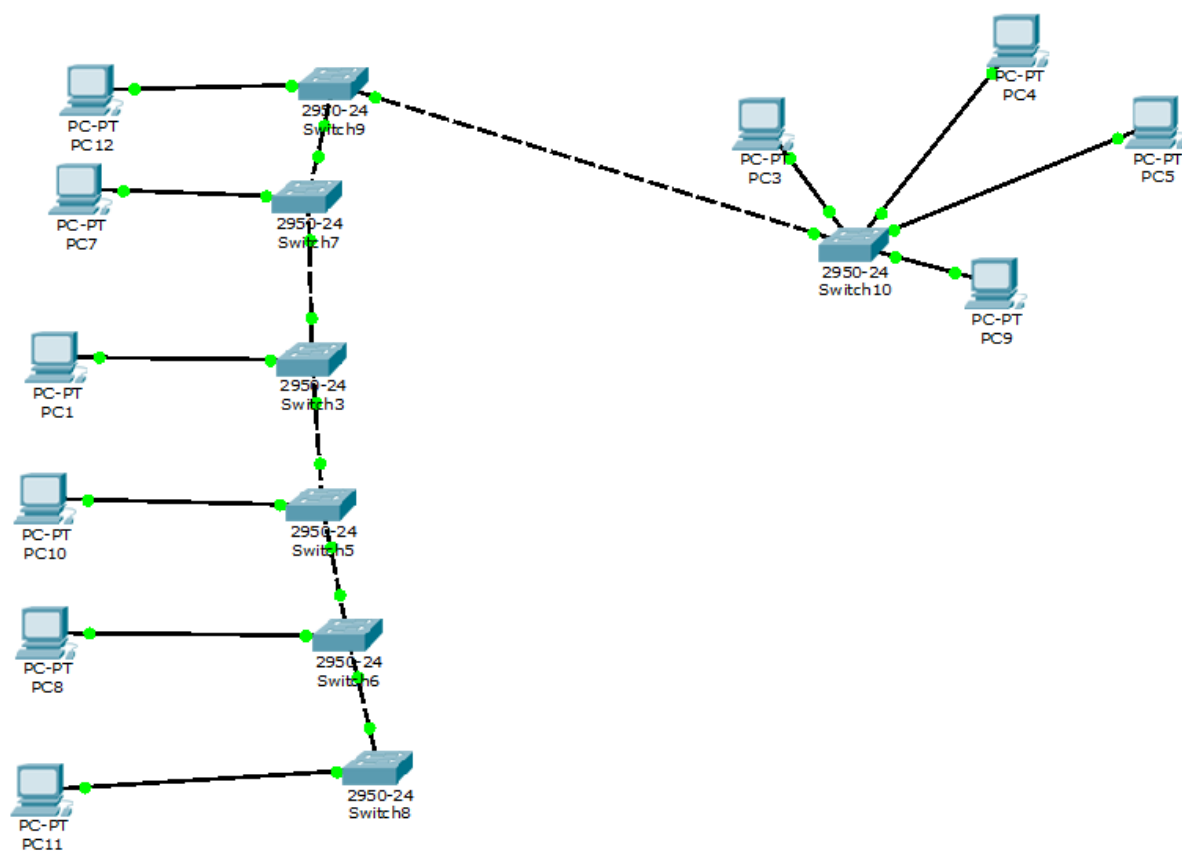
1. There are 20PC's in your network. Five PC's are connected to one Ethernet hub, and five PC's are connected to another hub. Each hub is connected to a separate switch and both the switches are connected to a separate router. The routers are connected via an Ethernet bridge. The remaining 10 PC's are connected directly to one of the two switches. How many Ethernet segments are there? Implement this scenario using Cisco Packet Tracer.



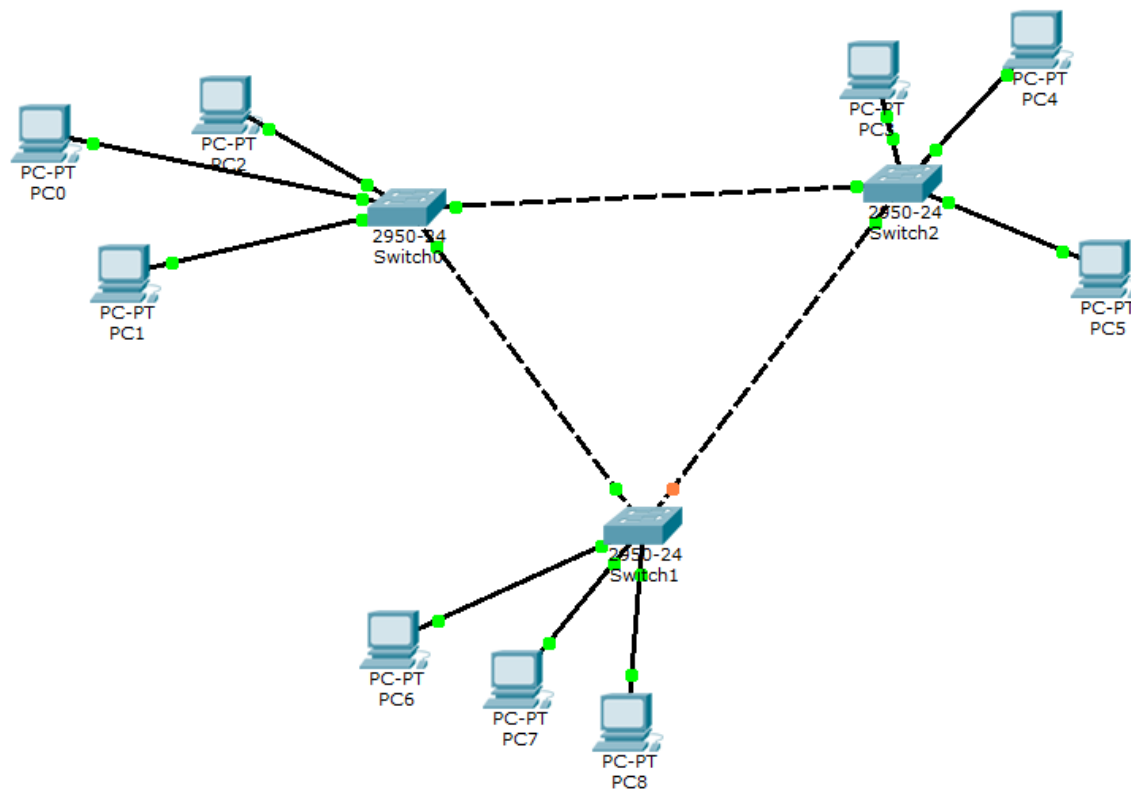
2. Two PC's are located in adjacent rooms and a third PC is in a building 300 yards away. Explain how you could connect the three PC's in a single network. Implement this scenario using Cisco Packet Tracer.



3) Create a network with minimum of 10 devices using various network topologies using cisco packet tracer tool and test the connectivity with the transmission of simple PDU (Intermediate Device – switch).



4) Create a network with clustering using 3 switches and 9 PC's and test the connectivity with transmission of simple PDU (Intermediate device -Switch).



5. Create a network with clustering using 5 routers and 15 PC's and test the connectivity with transmission of simple PDU (Intermediate device - bridges).

