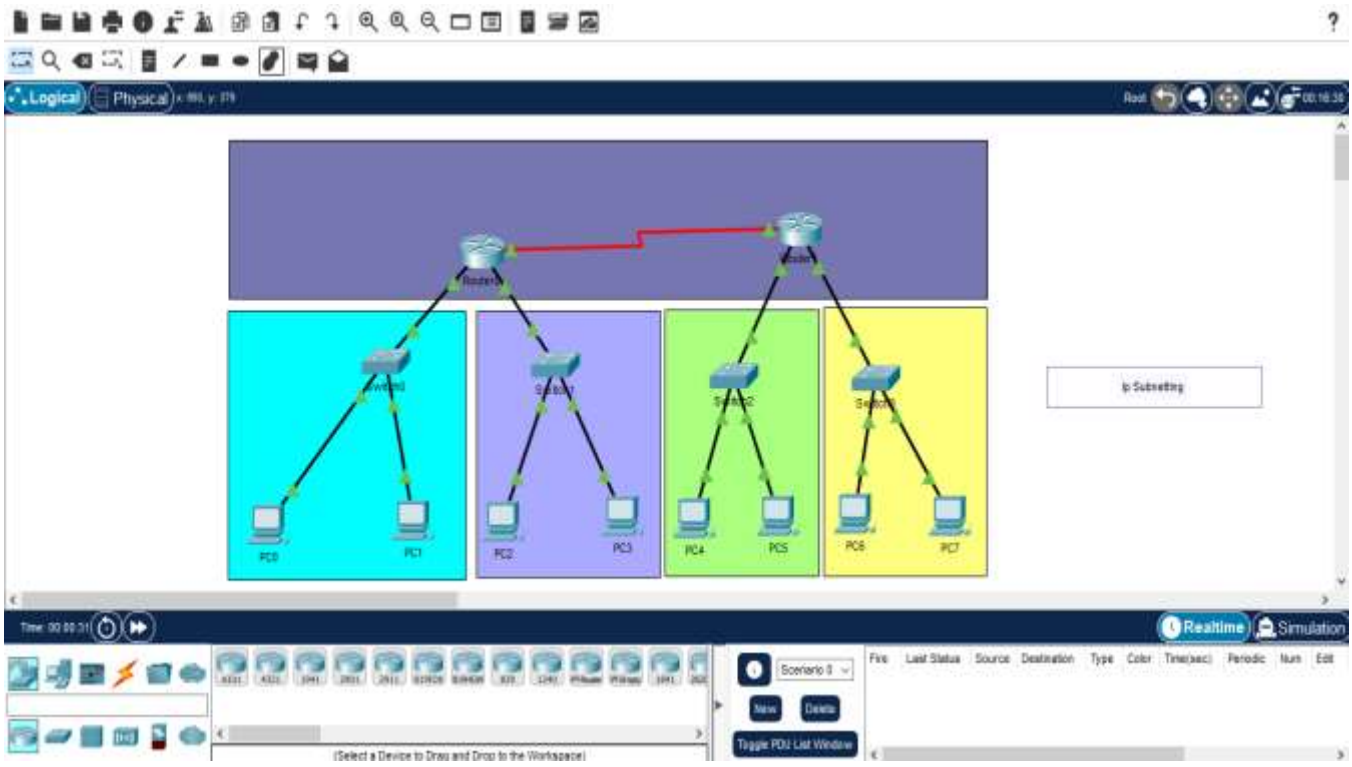
TASK

IP Subnetting in Cisco Packet Tracer

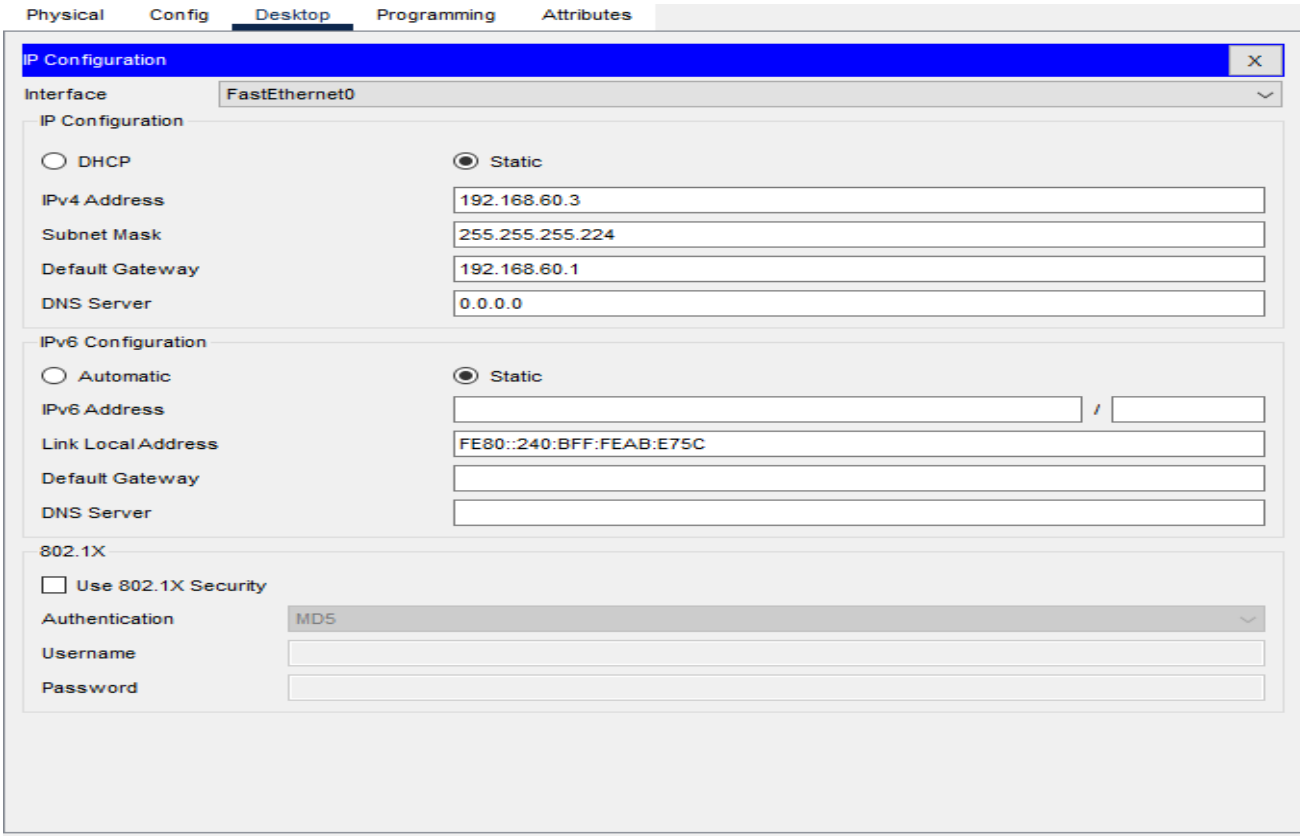
Step 1: Create a topology in Cisco packet tracer

- These are routers and these networks are subnet networks in figure below.
- Connected a copper pass-through between the computer switch and the router switch.
- Connected serial DCE cable to establish a serial connection between the two routers. With the DCE cable (clocked red zigzag) the serial side of the first router will be DCE, and the serial side of the second router will be DTE. And DCE has to transmit the clock signal controlling the data rate, and the DTE receives the clock signal.



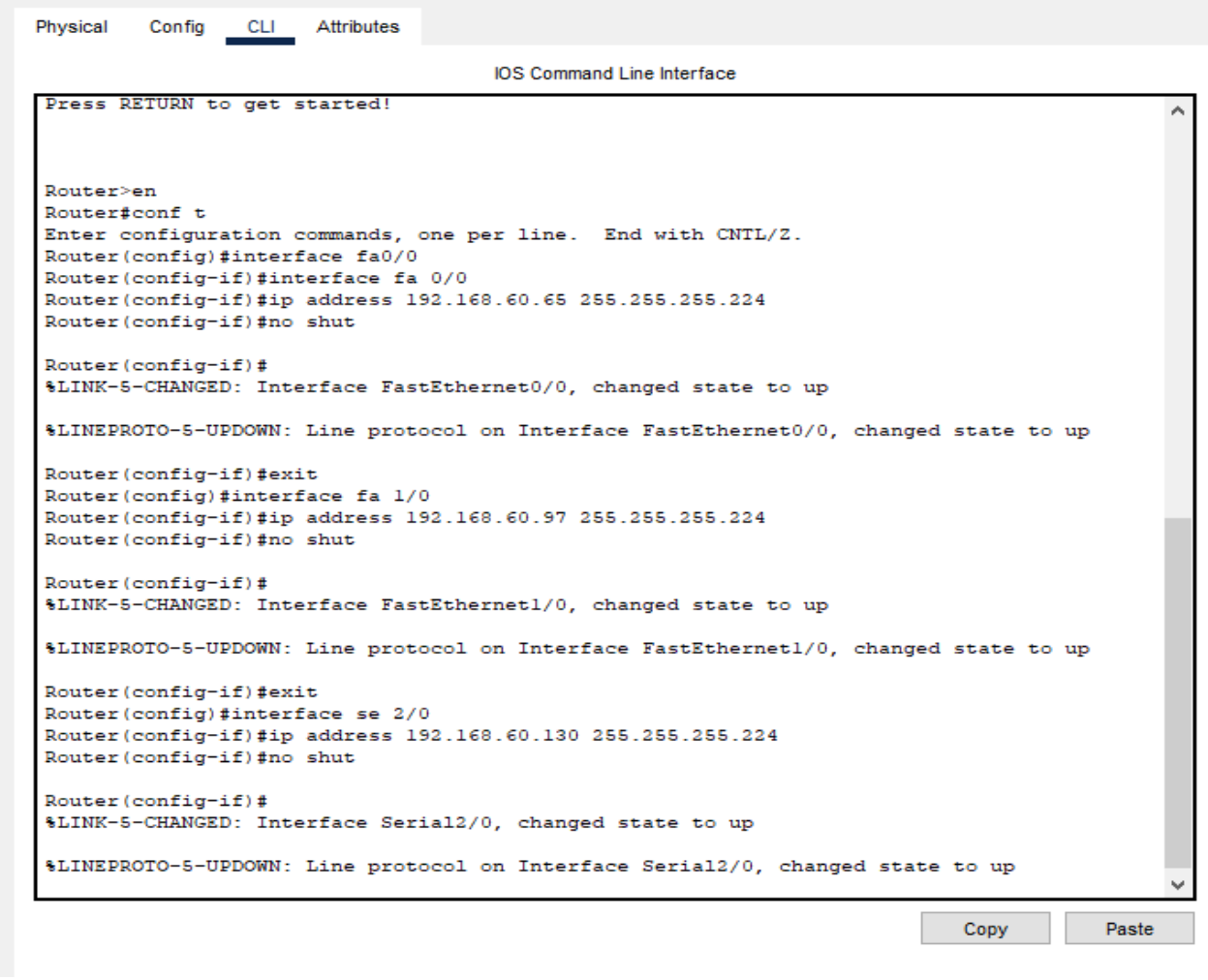
Step 2: Set the computer's IP address

- Then go to IP configuration and set the computer's IP address, subnet mask and default gateway.
- The default gateways here are the IP addresses of the router interfaces facing the PCs. This is how the IP settings of all computers are made.



Step 3: Connection of routers

- Come to the CLI section of the router and activate it by typing “enable” in the command line that appears.
- Write “configure terminal” to put it in configuration mode. Then write the interface you want to set.
- Then set this interface by entering the IP and subnet mask and activate the closed interface by typing “no shutdown”.



Step 4: Send a package

- After these operations were completed, send a package and verify that packet transfer is working