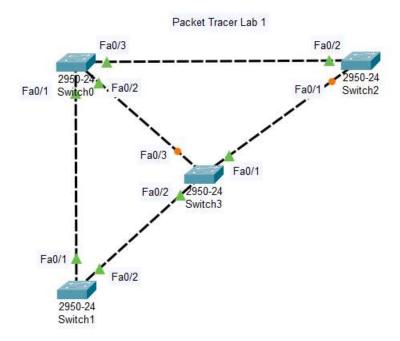
## IT1080C Computer Networking Packet Tracer Lab 1

## Linking Switches in Packet Tracer

In Packet Tracer, create a local area network with four switches connected to each other.

- 1. Use PT-Switch (six interfaces) or Switch 2950-24 (24 interfaces)
- 2. Connect switches together using Copper Cross-Over cables



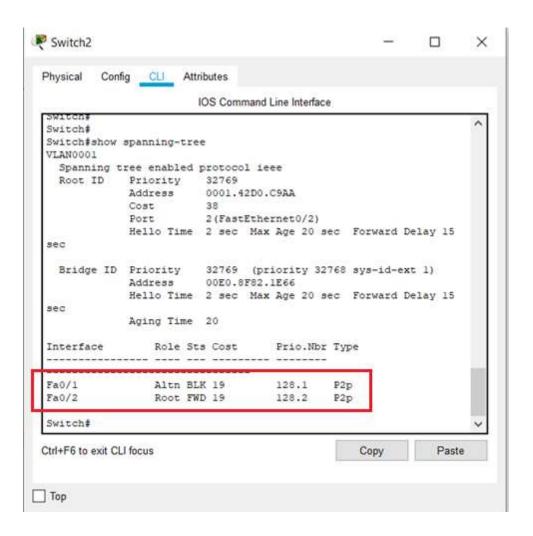
NOTE: Spanning tree protocol blocks one or more ports to prevent loops from forming in the local area network.

## Viewing Spanning Tree

Open the CLI (command line interface) on a switch with a blocked port. Run the *showing spanning-tree* command.

On Switch2, open CLI and hit enter. Example from Switch2

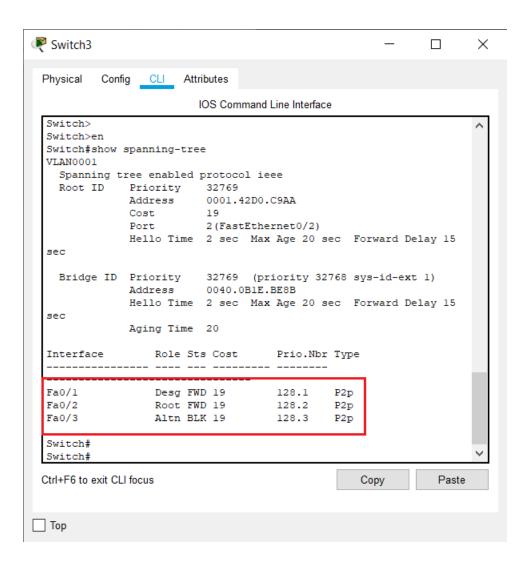
Switch> (EXEC mode – default mode after booting)
Switch>en (use the enable command to enter the Privileged Exec mode)
Switch# (Privileged Exec mode– accepts command from the user)
Switch#show spanning-tree



Interface fa0/1 is blocked and fa0/2 is the root port. Notice that the fa0/1 displays an orange light on the network diagram.

## From Switch3

Switch>
Switch>en
Switch#show spanning-tree



Notice that fa0/3 is blocked and has an orange light displayed on the network diagram.