Q. Demonstrate the TTL or life of a packet Aim: To determine the TTL or life of a packet Pa211 1) Switch 2 Switch \ Fall Fao/ Fao PCH PCS 0.0.0.2 10.0.0.3 30.0.0.2 30.0.0.3 Topology: connect Router 0 to Router 1 & Router 1 to Router 2 using a revial - det cable. 2. connect Router D to switch O using copper straight cable. Illy supeat for router 1 to switch & nouter 2 to switch 2 3 Connect 6 PC's (2 each) to each of the switch using copper-straight cable & assign ip addresses Observat Procedure: 1. Open cisco packet tracer & establish the topology as shown above.

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- 2. Select the simple PDU icon & select source & destination
- 3. Include the PCO and PCS as part of the communication that is to take place, then sweetch to simulation made.
- 4. Start the simulation by dicking on auto capture / play button & observe the TTL of a packet.

## Observation:

each nouter hop to prevent infinite loops. If the TIL reaches 0, the nouter disearch the packet and sends an ICMP (Internet control Menage Protocol) "Time Enceeded" menage back to the sender.