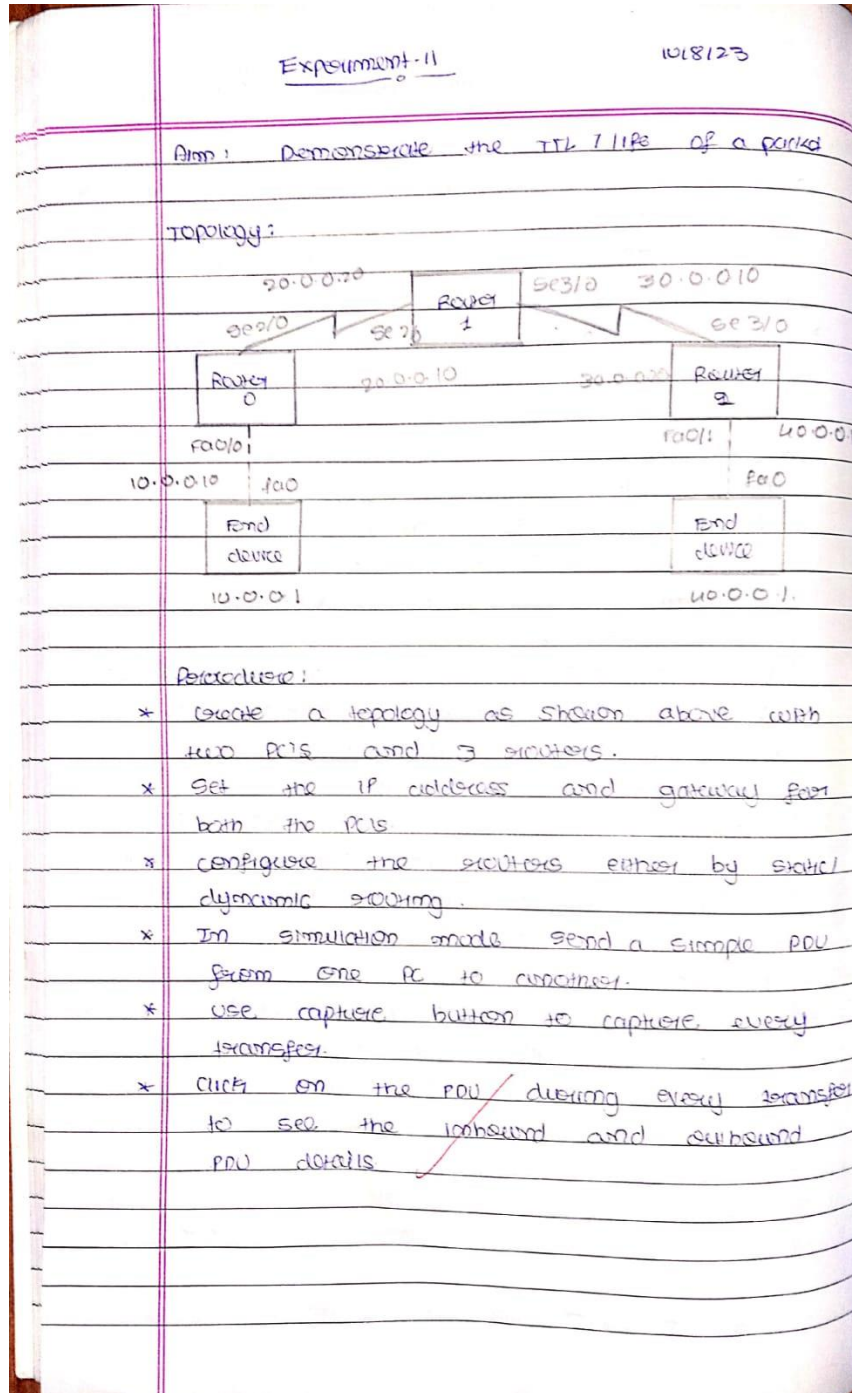


WEEK 11

Demonstrate the TTL/ Life of a Packet.

OBSERVATION:



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Date / /
Page

of a packet

Output:

IP

0	4	8	16	24	32
4	1111	0000	1111 22		
ID: 0x6			0x	0x0	
TTL: 255		PRO: 0x1		CHECKSUM	
SRC IP: 10.0.0.1					
DST IP: 240.0.0.1					
OPT 0x0					0x0
DATA (variable length)					

0.0.0.10

0.0.0.10

Router
2

0.0.0.10

0.0.0.10

End
Device

0.0.0.1

Observation:

- * The no. of hops the packet travels before being discarded is recorded as TTL.
- * Datagram's TTL field is set by sender and decremented by each router along the path to its destination.
- * The router decrements TTL value by one while forwarding the packets.
- * When TTL value is 0, the router discards it and sends ICMP message.

above with

gateway for

by router

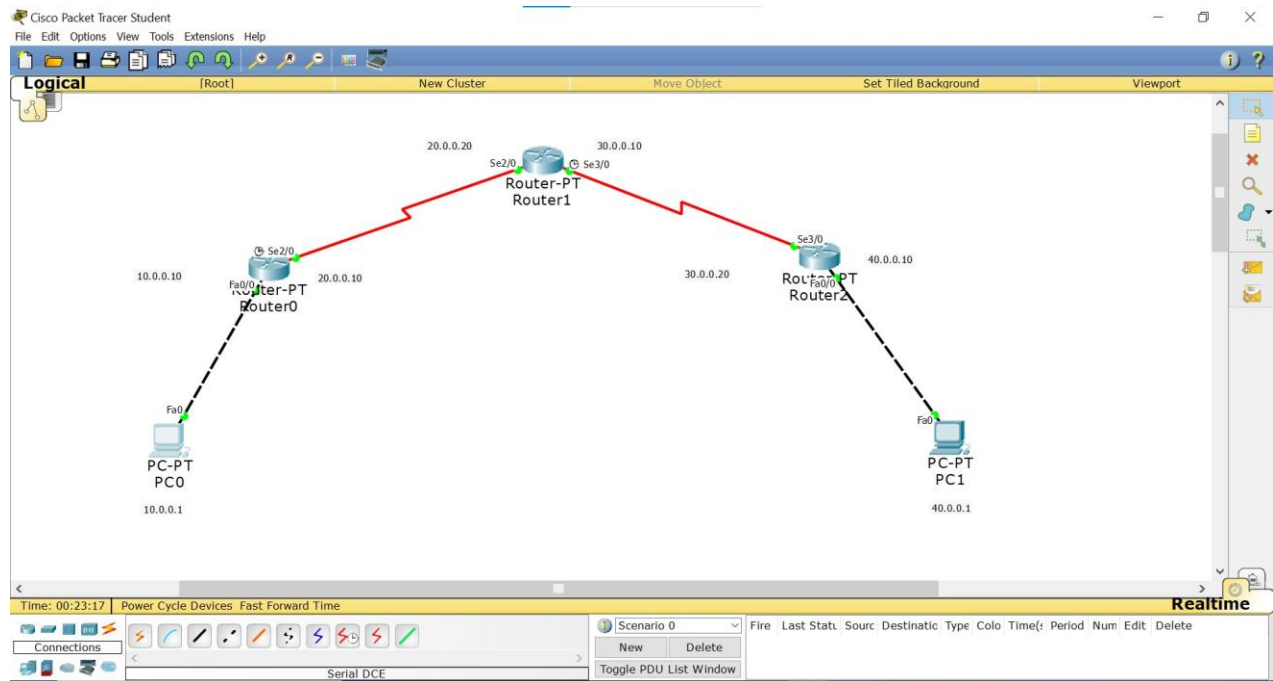
simple PC

the every

very transfer
subband

10/8/23

TOPOLOGY:



OUTPUT:

