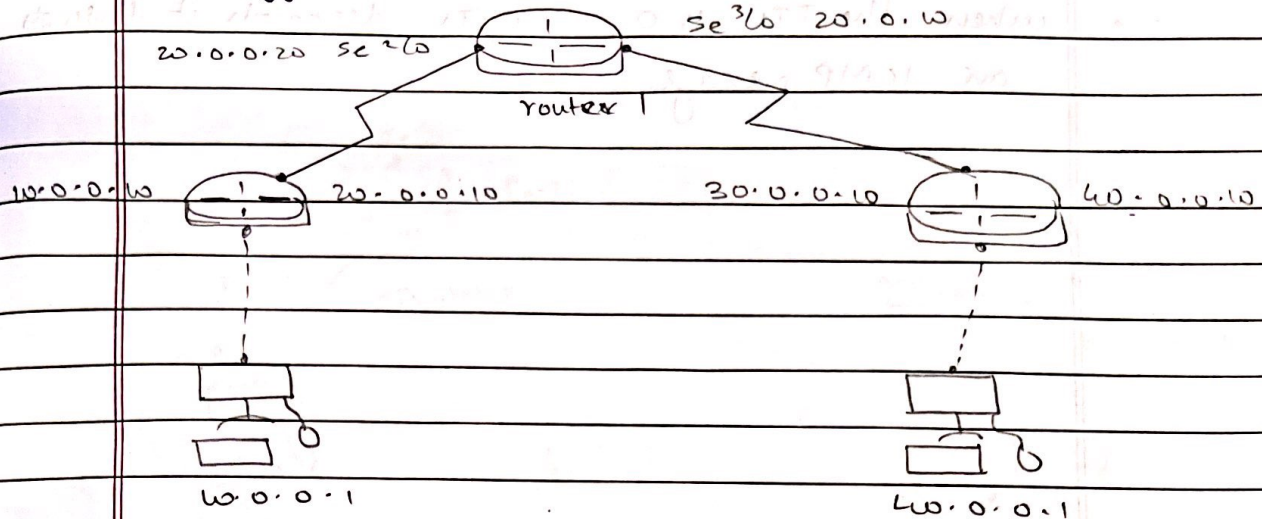


Program W.

Aim: Demonstrate the TTL / life of a packet

Topology:



Procedure:

- Create a topology
- Set the IP address and gateway for both PC's
- Configure the routers either statics / dynamices
- in simulation mode send a simple PDU from one PC to another
- use capture button
- click on the PDU during every transfer.

Output:

IP

0	4	8	16	19	31
4	1	1111	DSCP		
			10: 0x6	0x8	0x0
TTL: 255		PRO: 0x1			Checksum

SRC IP: 10.0.0.1

DEST IP: 40.0.0.1

OPT: 0x0

Data (variable length)

Observation:

- The no of hops the packets travel before being discarded as TTL
- Router reduce TTL values by one until forwarding packets
- when the TTL is 0; router discards it & sends an ICMP message.