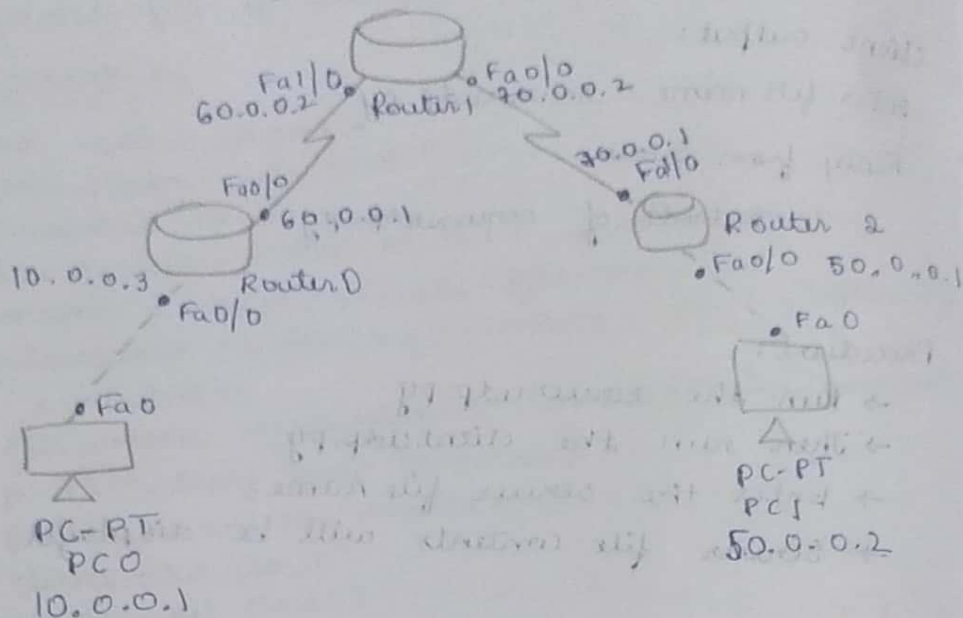**Demonstrate the TTL/ Life of a Packet**

Demonstrate the TTL/ life of a packet
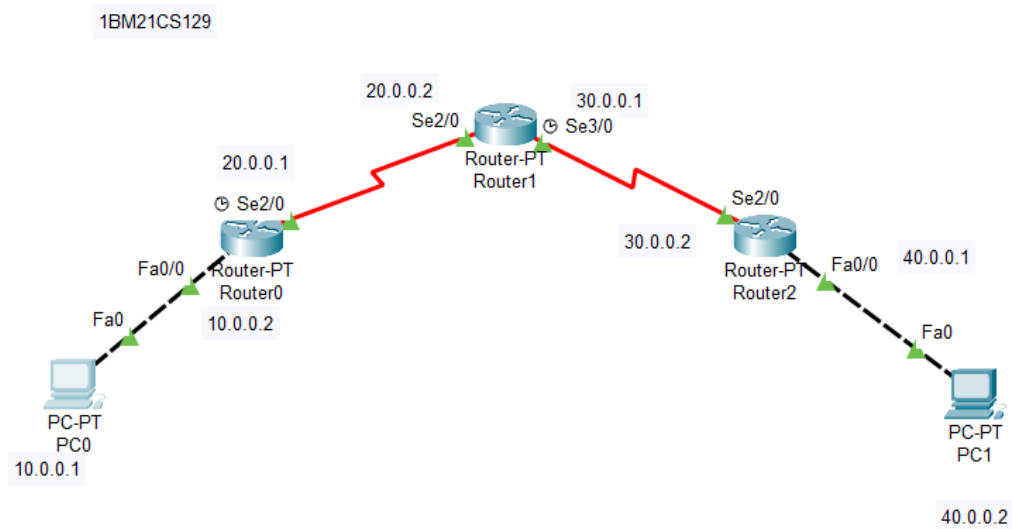
Topology :

Procedure :

→ Create a topology

→ Configure IP address of PC

→ Configure IP address of routers

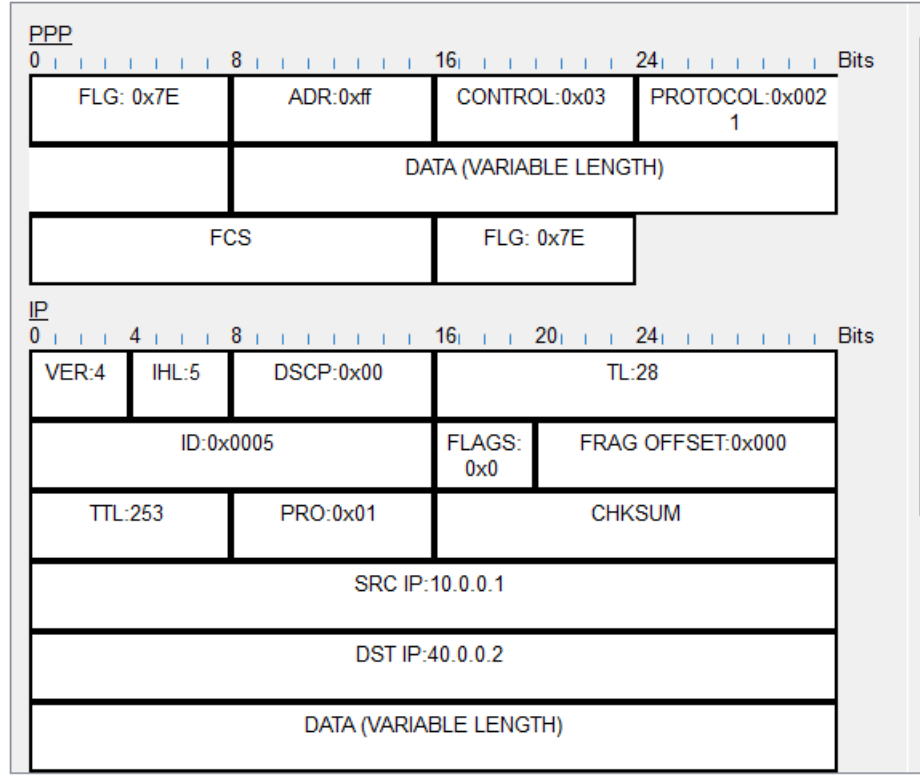→ Configure the routers using default / static

Topology:

1BM21CS129

Output:

PDU Information at Device: Router2

OSI Model   Inbound PDU Details   Outbound PDU Details

PDU Formats

PPP

0 ... 8	... 16	... 24	... Bits
FLG: 0x7E	ADR:0xff	CONTROL:0x03	PROTOCOL:0x0021

DATA (VARIABLE LENGTH)	

FCS	FLG: 0x7E

IP

0 ... 4	8	... 16	20	24 ... Bits

VER:4	IHL:5	DSCP:0x00	TL:28	
ID:0x0005			FLAGS: 0x0	FRAG OFFSET:0x000
TTL:253		PRO:0x01		CHKSUM

SRC IP:10.0.0.1

DST IP:40.0.0.2

DATA (VARIABLE LENGTH)

PDU Information at Device: Router2 ✕

OSI Model   Inbound PDU Details   Outbound PDU Details

PDU Formats

EthernetII

```
0           4              8                    Bytes
```

PREAMBLE: 101010..10	SFD	DEST ADDR:000A.4167.60 7C	

SRC ADDR:000A. 4184.23DA	TYPE:0 x0800	DATA (VARIABLE LENGTH)	FCS:0x00000000

IP

```
0       4      8            16      20      24              Bits
```

VER:4	IHL:5	DSCP:0x00	TL:28

ID:0x0005	FLAGS: 0x0	FRAG OFFSET:0x000

TTL:252	PRO:0x01	CHKSUM

SRC IP:10.0.0.1

DST IP:40.0.0.2

DATA (VARIABLE LENGTH)

ICMP

```
0               8            16                        Bits
```