

NAME - ASHUTOSH ARDU

REG NO - 20BRS1262

DATE - 6-7-2021

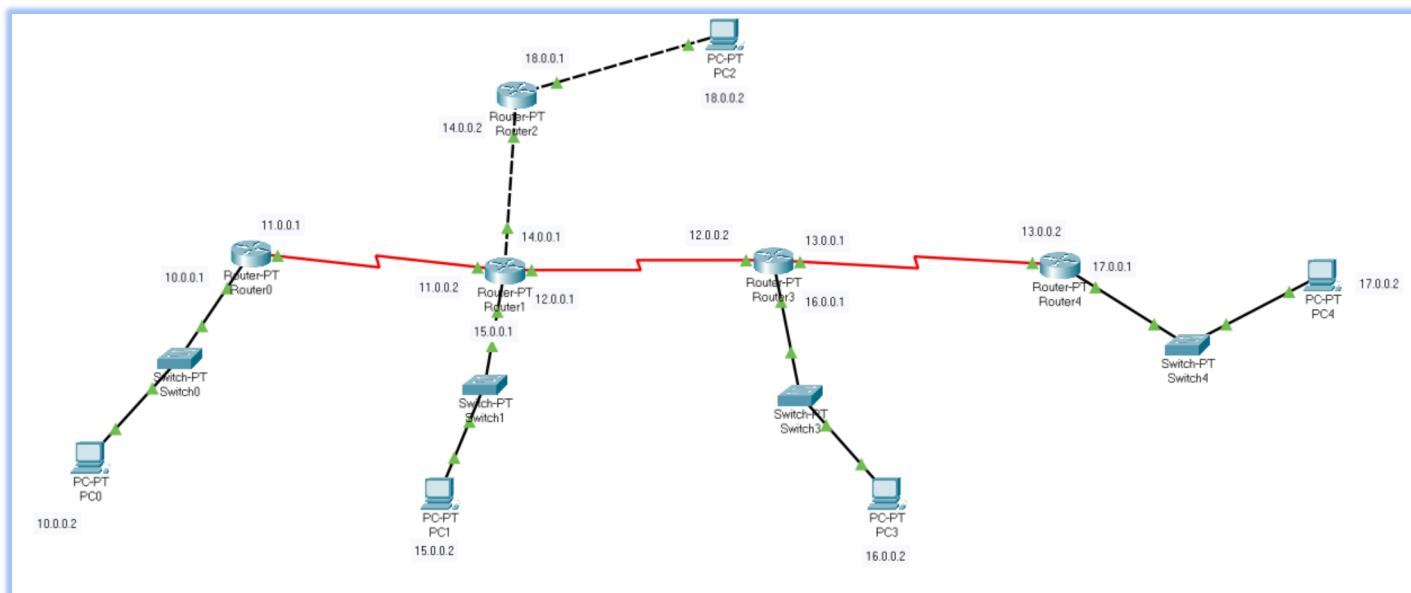
CSE1004 PACKET TRACER TASK

QUESTION 1

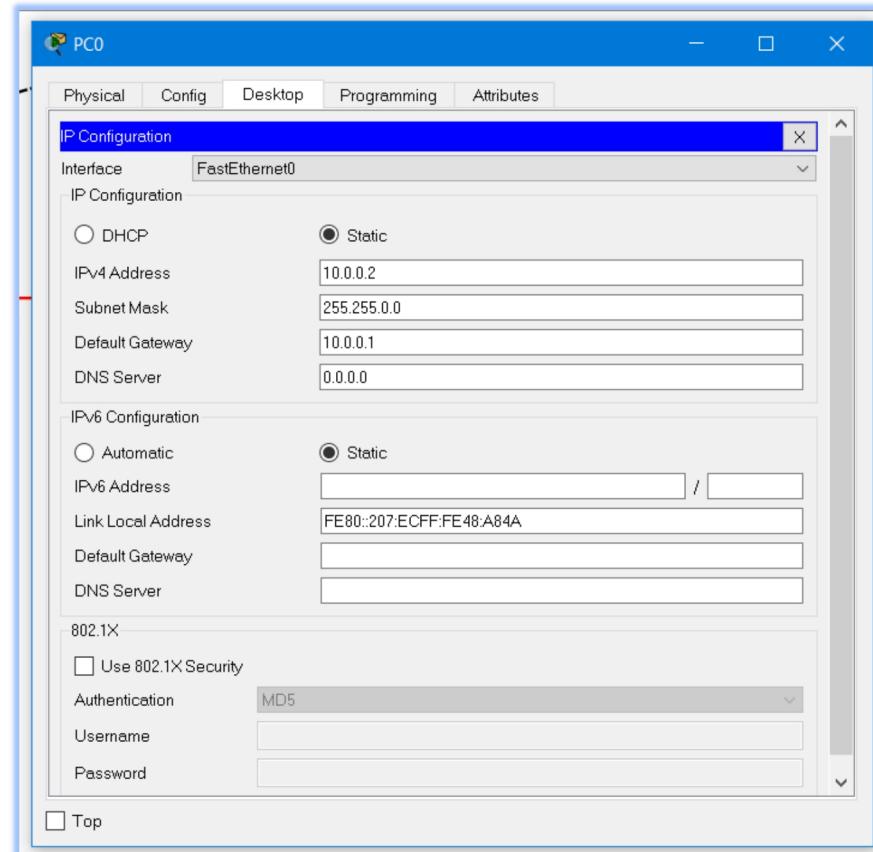
STEPS INVOLVED

- FIRST USING THE DEVICES AVAILABLE IN THE PACKET TRACER SOFTWARE CREATE A NETWORK WITH A SPECIFIC TOPOLOGY.
- CONNECT THE PCS, SWITCHES AND ROUTERS PRESENT IN THE TOPOLOGY.
- THEN ASSIGN PROPER IP'S TO THE PCS AND ROUTERS.
- LATER ASSIGN THE RIP TABLES FOR EACH ROUTER.
- AFTER COMPLETING THE ABOVE STEPS, CREATE A PACKET AND SEND IT WITH PC5 AS SOURCE AND PC9 AS DESTINATION.

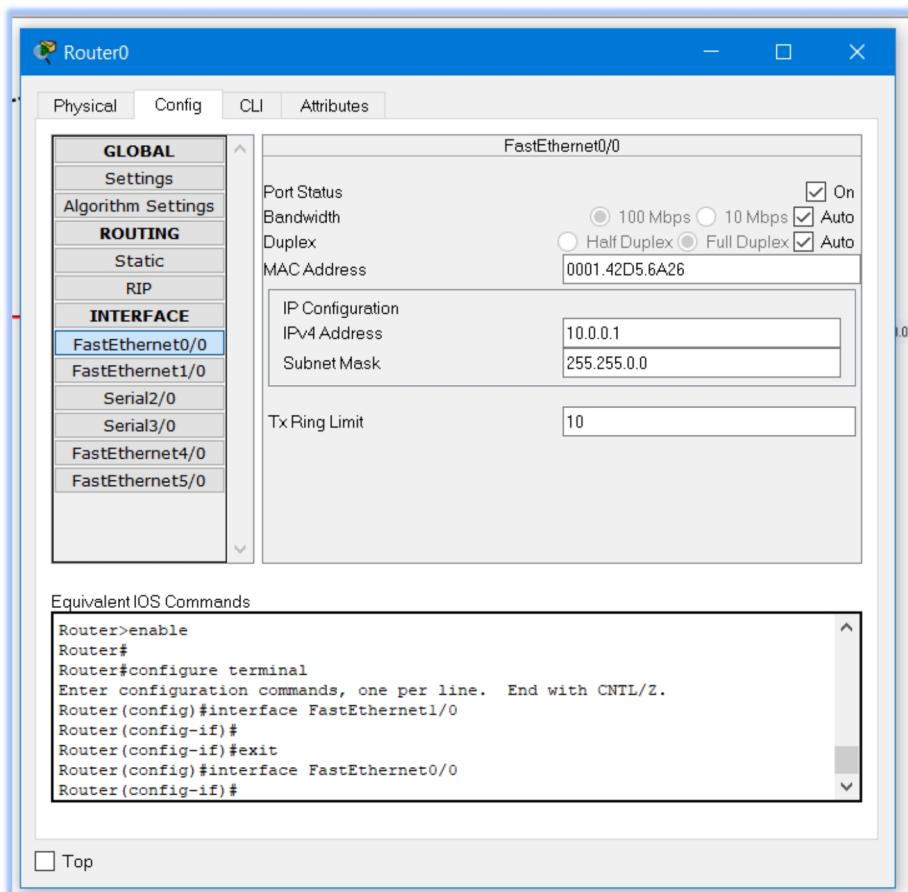
TOPOLOGY



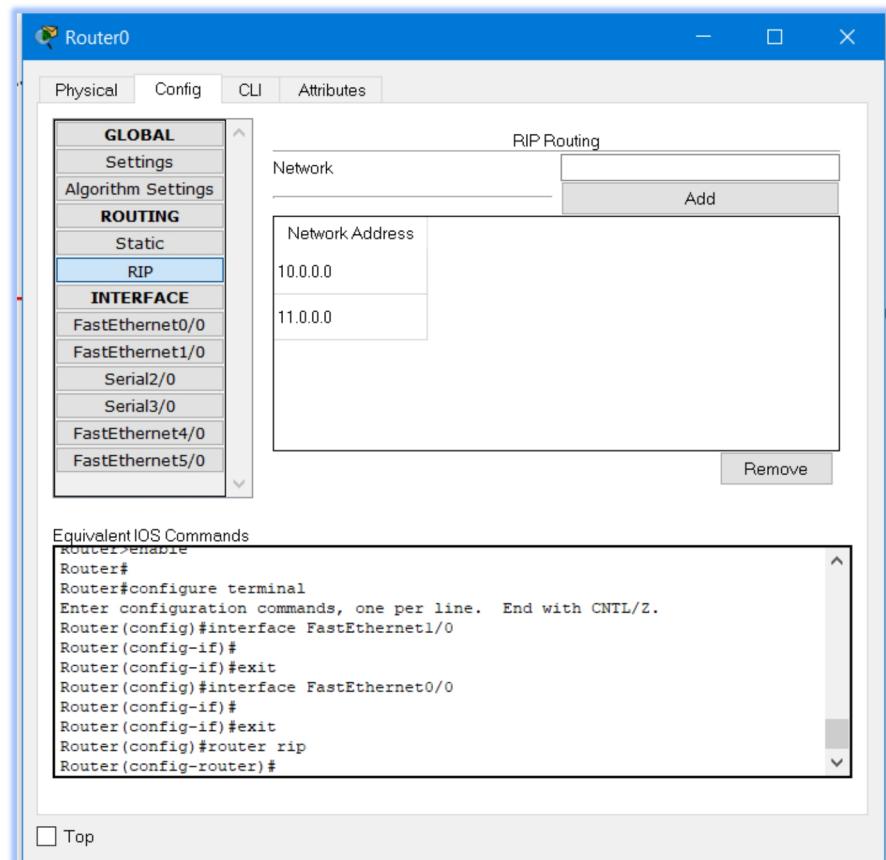
IP CONFIGURATION OF PCS



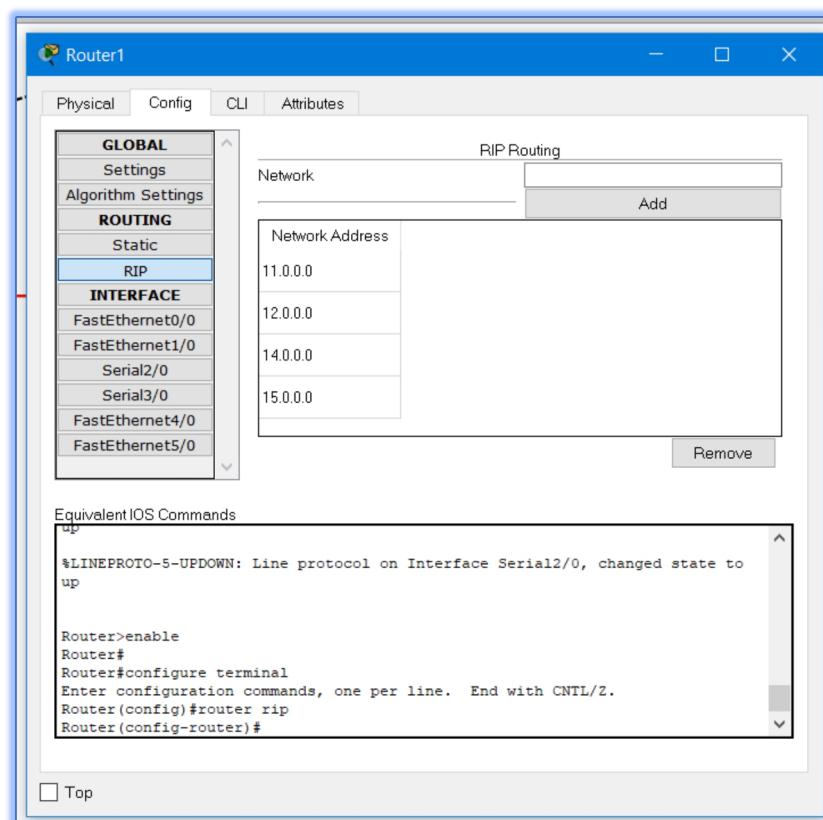
IP CONFIGURATION OF ROUTERS



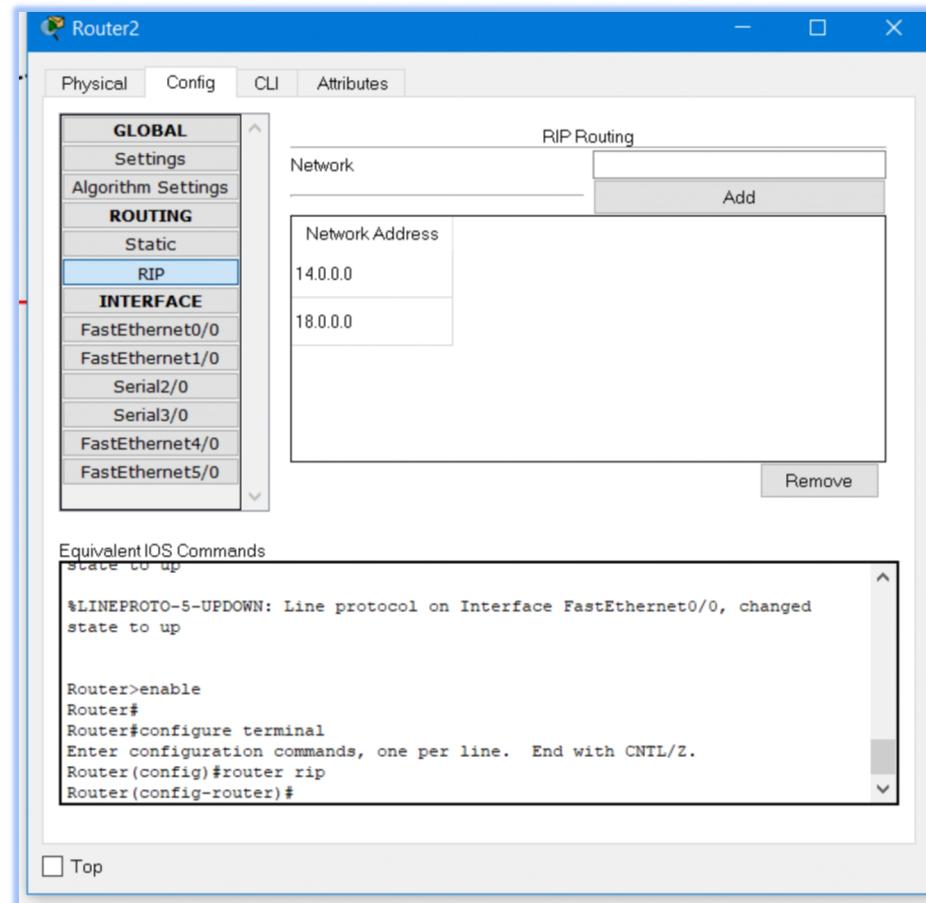
RIP (ROUTING INFORMATION PROTOCOL) FOR ROUTER 0



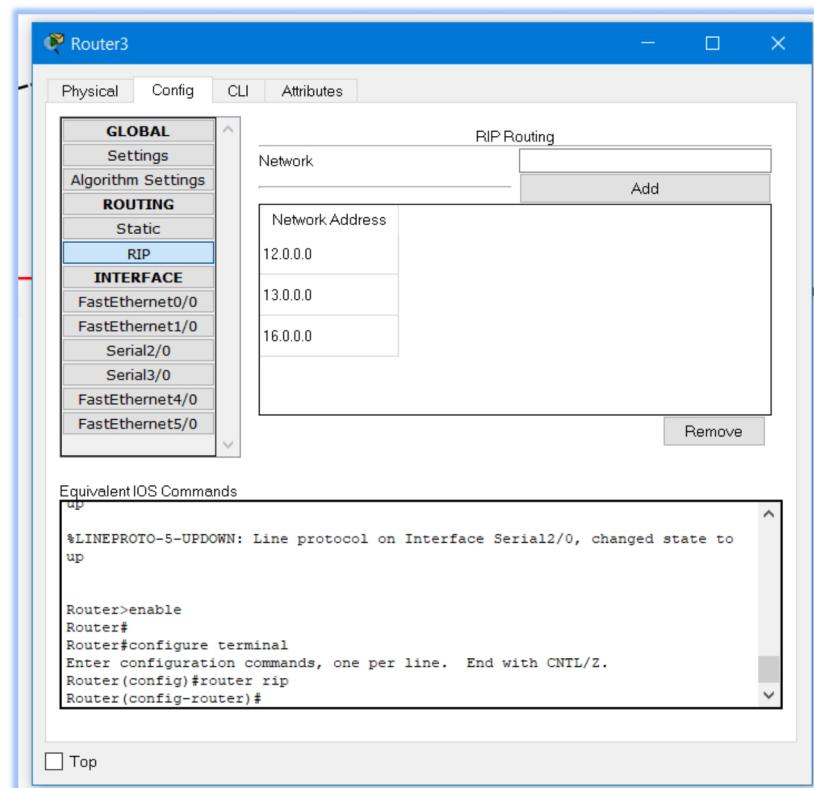
RIP FOR ROUTER 1



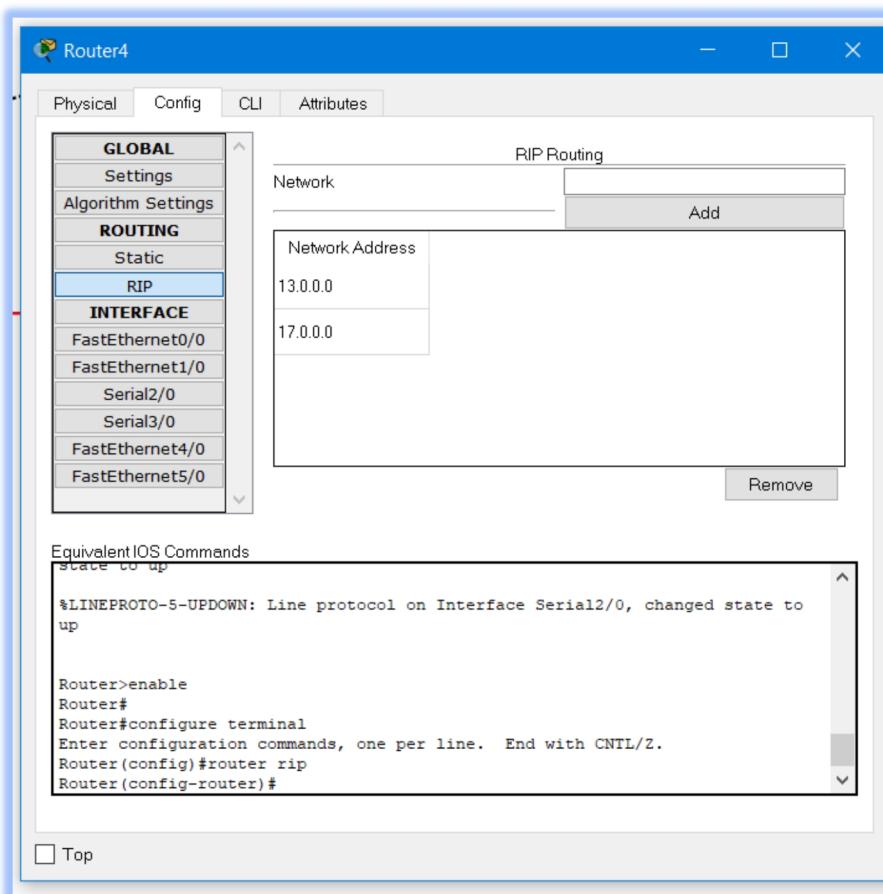
RIP FOR ROUTER 2



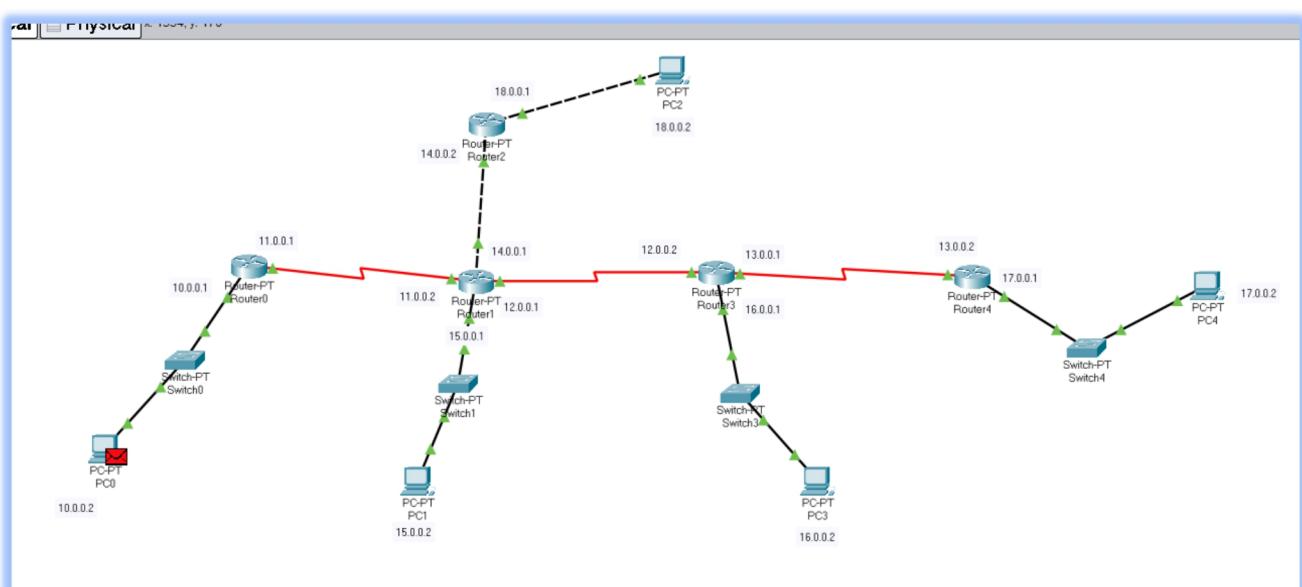
RIP FOR ROUTER 3



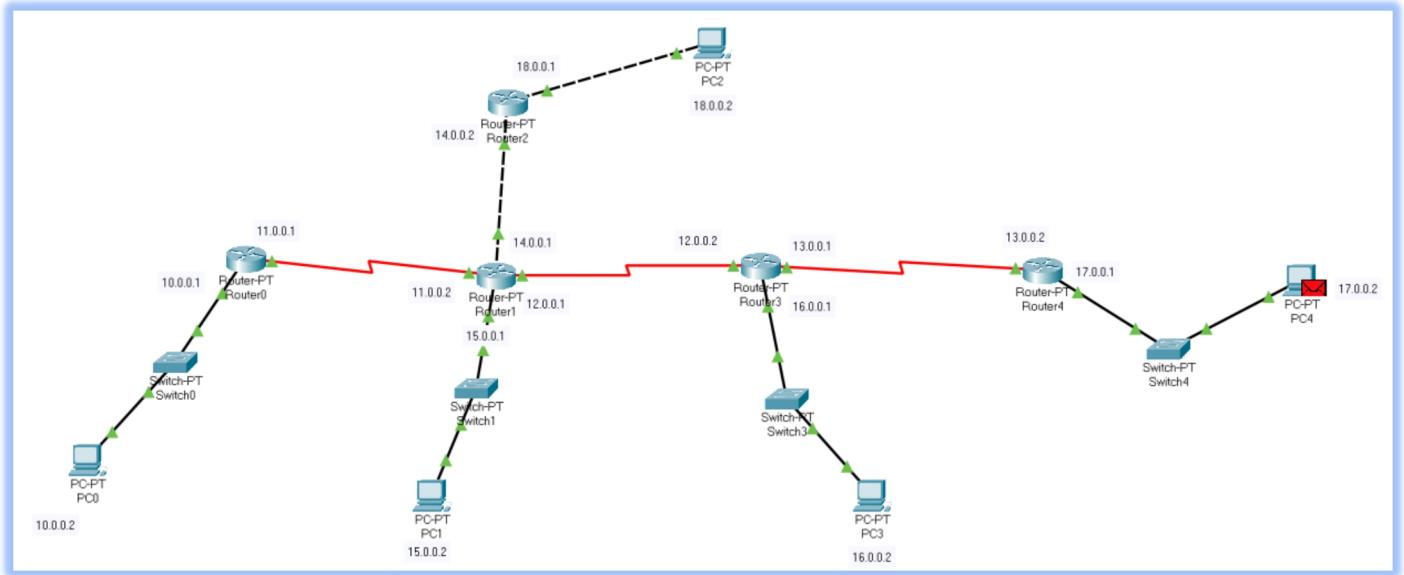
RIP FOR ROUTER 4



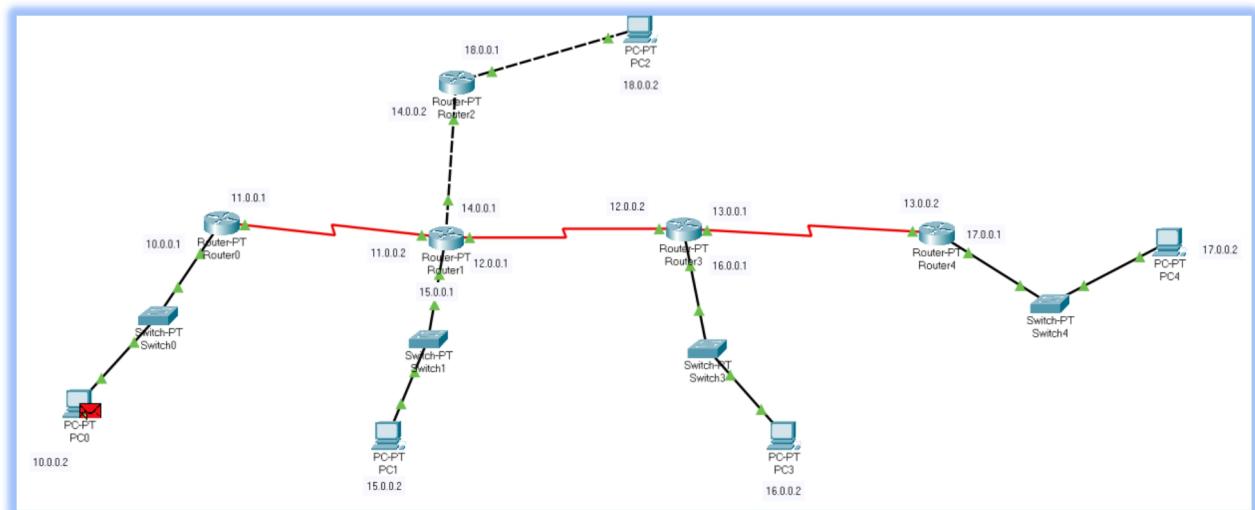
PACKET IS CREATED WITH DESTINATION AS PC4



PACKET REACHES DESTINATION



PACKET TRANSMISSION SUCCESSFUL



STEPS INVOLVED IN PACKET TRANSMISSION

Event List				
Vis.	Time(sec)	Last Device	At Device	Type
	0.000	-	PC0	ICMP
	0.001	PC0	Switch0	ICMP
	0.002	Switch0	Router0	ICMP
	0.003	Router0	Router1	ICMP
	0.004	Router1	Router3	ICMP
	0.005	Router3	Router4	ICMP
	0.006	Router4	Switch4	ICMP
	0.007	Switch4	PC4	ICMP
	0.008	PC4	Switch4	ICMP
	0.009	Switch4	Router4	ICMP
	0.010	Router4	Router3	ICMP
	0.011	Router3	Router1	ICMP
	0.012	Router1	Router0	ICMP
	0.013	Router0	Switch0	ICMP
eye	0.014	Switch0	PC0	ICMP

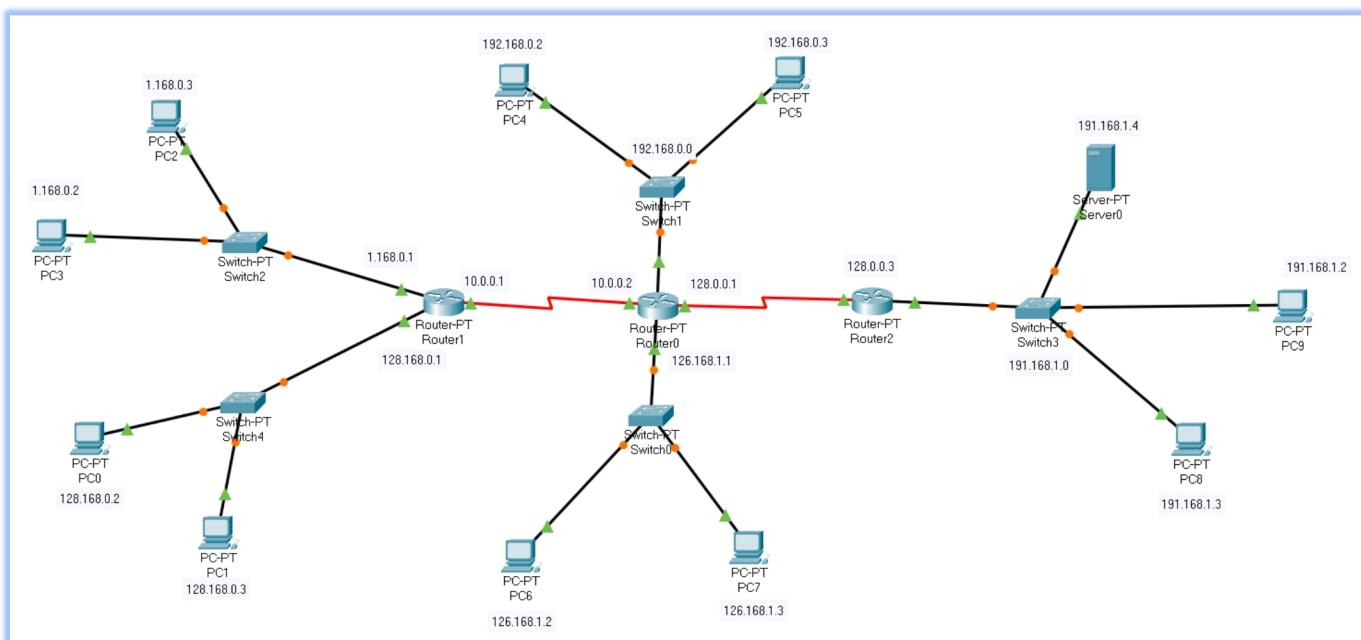


QUESTION 2

STEPS INVOLVED

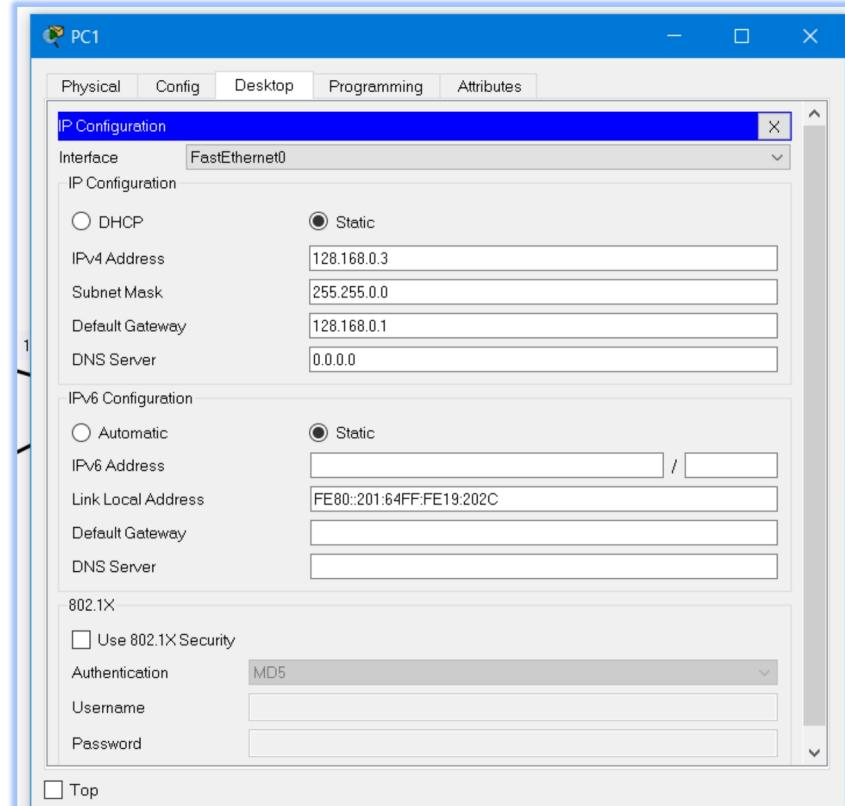
- FIRST USING THE DEVICES AVAILABLE IN THE PACKET TRACER SOFTWARE CREATE A NETWORK WITH A SPECIFIC TOPOLOGY.
- CONNECT THE PCS, SWITCHES AND ROUTERS PRESENT IN THE TOPOLOGY.
- THEN ASSIGN PROPER IP'S TO THE PCS AND ROUTERS.
- LATER ASSIGN THE RIP TABLES FOR EACH ROUTER.
- AFTER COMPLETING THE ABOVE STEPS, CREATE A PACKET AND SEND IT ACROSS THE NETWORK TO CHECK WHETHER IT IS FUNCTIONING WELL.

TOPOLOGY

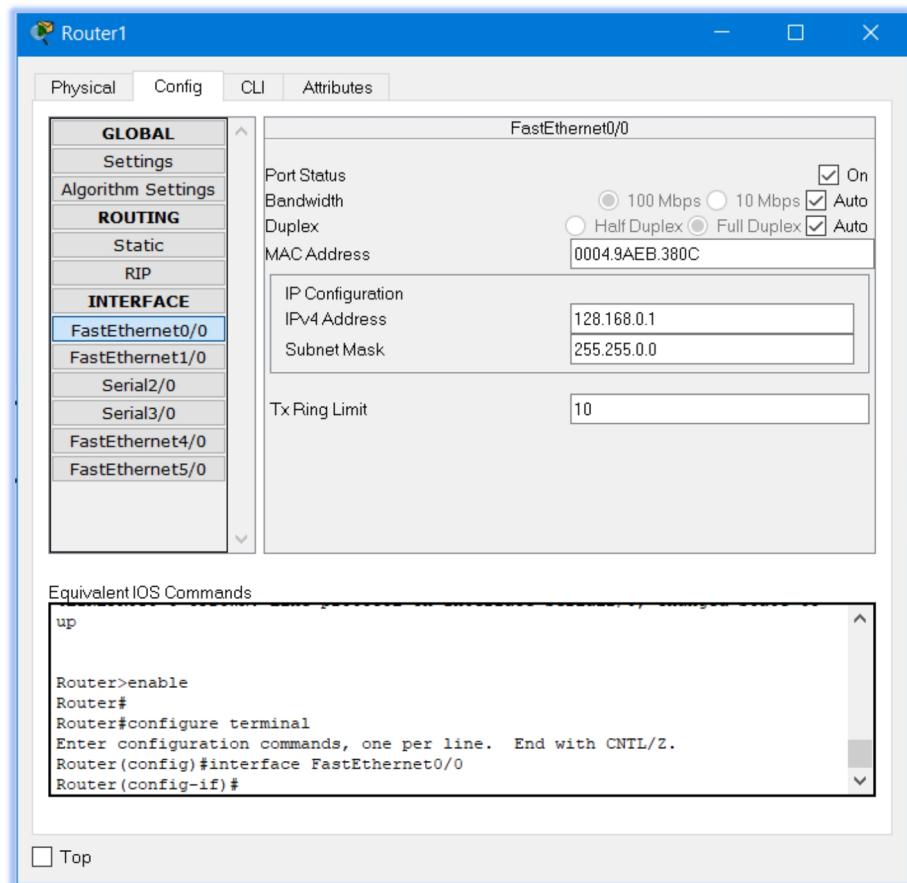


(PLEASE ZOOM IN)

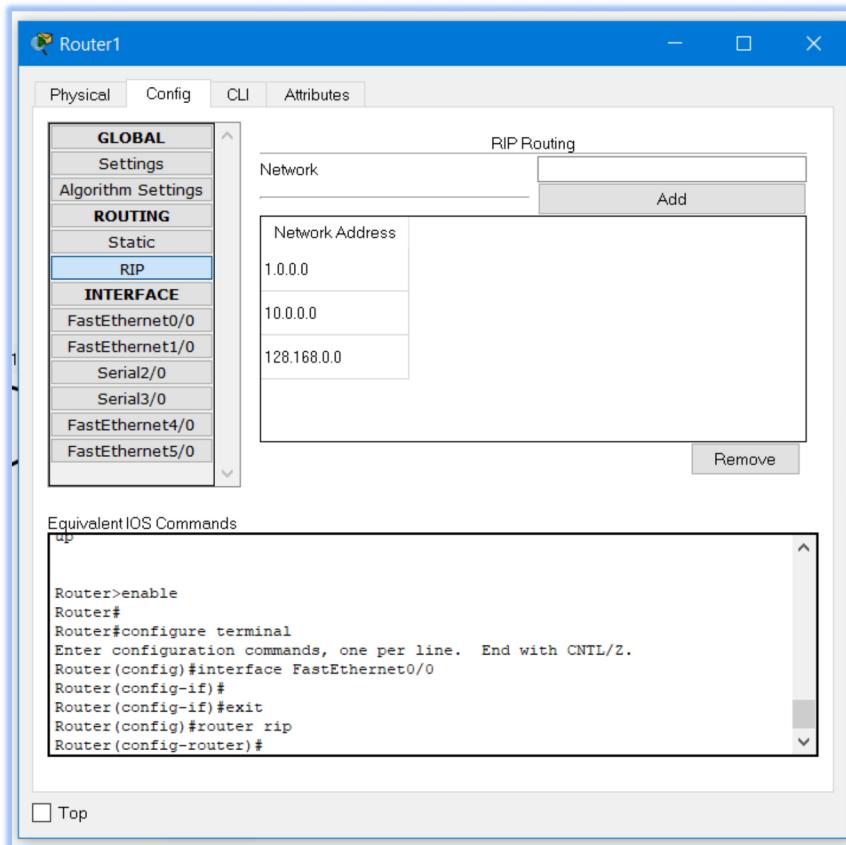
IP ASSIGNMENT FOR A PC



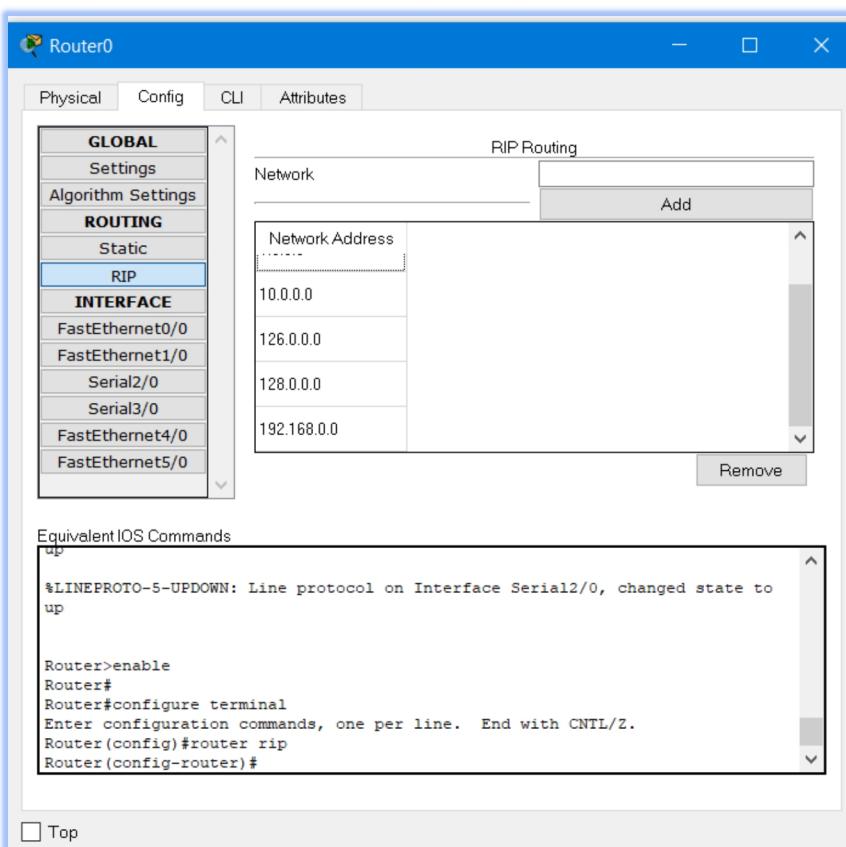
IP ASSIGNMENT FOR A ROUTER



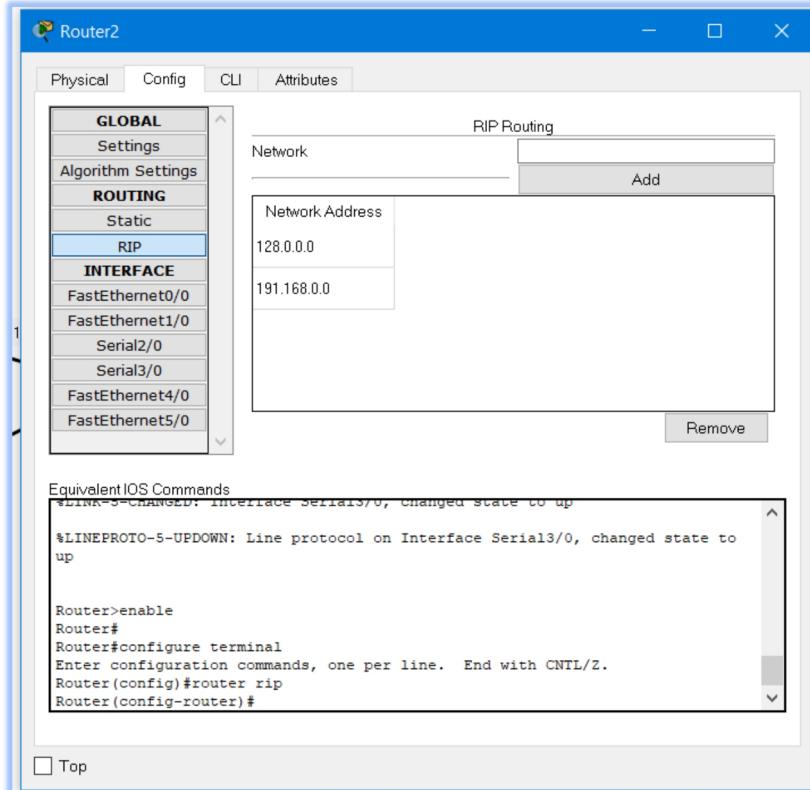
THE RIP (ROUTER INFORMATION PROTOCOL) FOR ROUTER 1



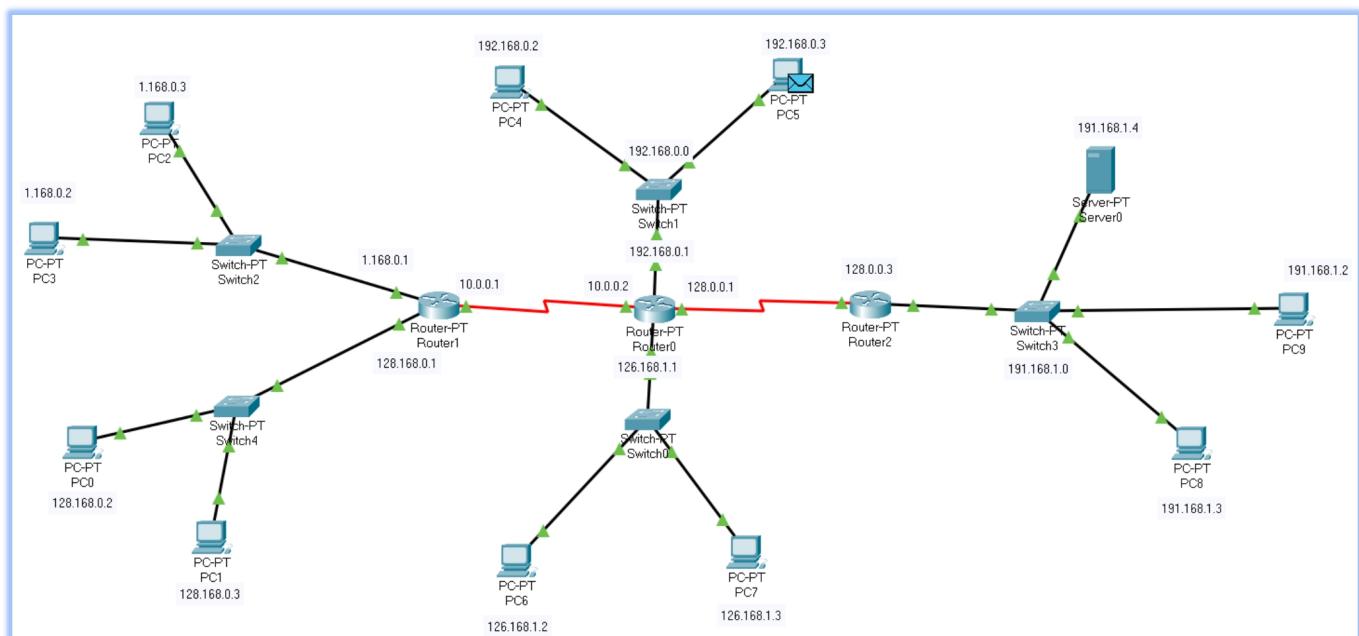
RIP FOR ROUTER 0



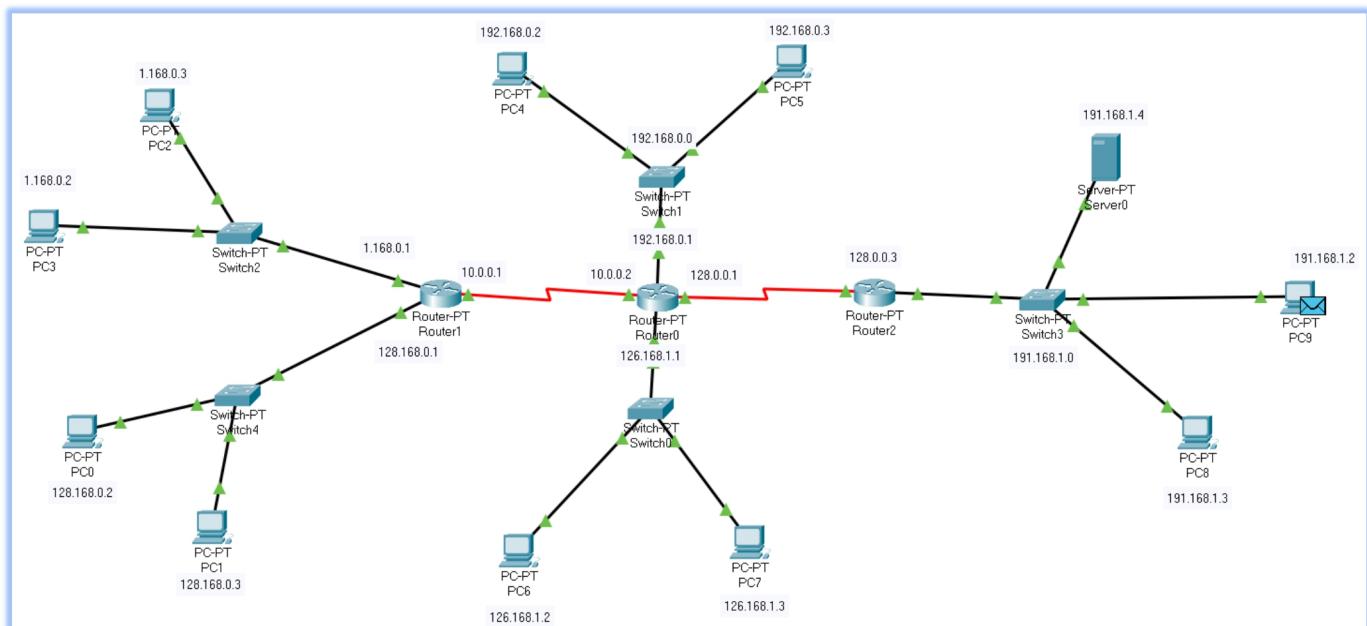
RIP FOR ROUTER 2



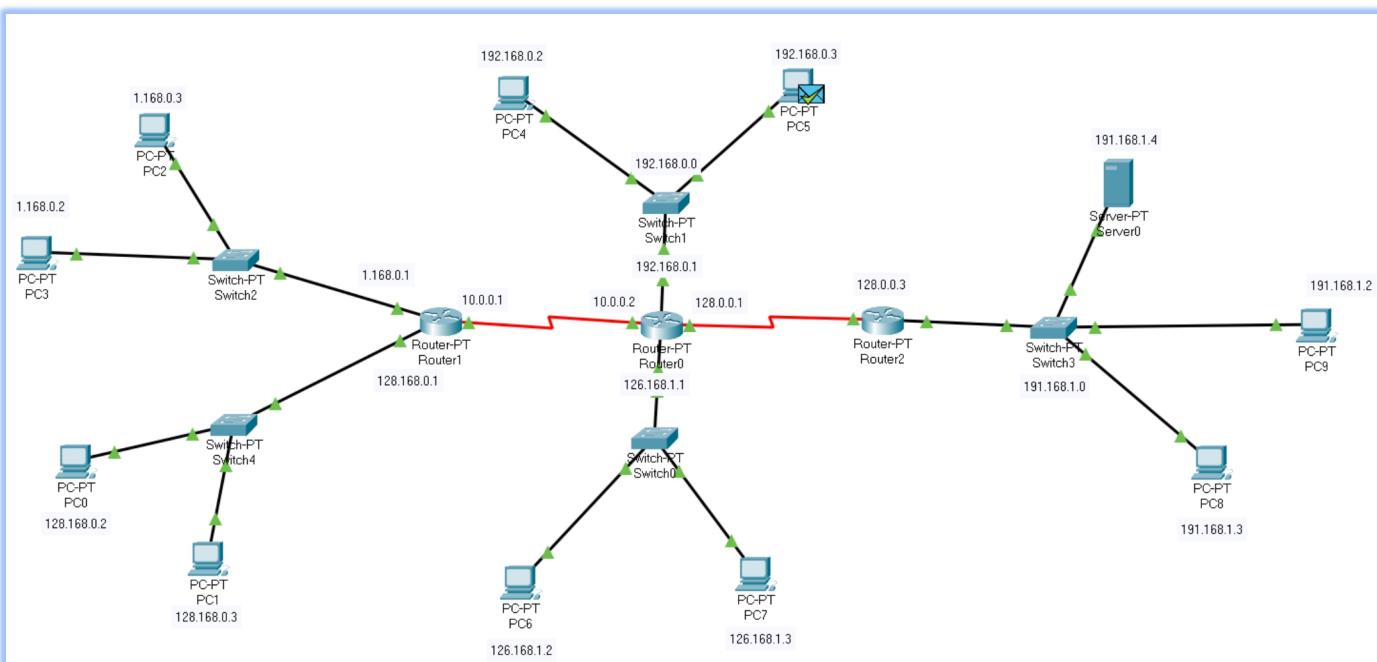
PACKET IS CREATED



PACKET REACHES THE DESTINATION



SUCCESSFUL PACKET TRANSMISSION



PROCESSES INVOLVED DURING TRANSMISSION

Event List				
Vis.	Time(sec)	Last Device	At Device	Type
	0.000	-	PC5	ICMP
	0.001	PC5	Switch1	ICMP
	0.002	Switch1	Router0	ICMP
	0.003	Router0	Router2	ICMP
	0.004	Router2	Switch3	ICMP
	0.005	Switch3	PC9	ICMP
	0.006	PC9	Switch3	ICMP
	0.007	Switch3	Router2	ICMP
	0.008	Router2	Router0	ICMP
	0.009	Router0	Switch1	ICMP
	0.010	Switch1	PC5	ICMP