RIP V2 Topology (Set – A)

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200.176.0.128

Fa0 — Fa0/0 — Fa1/0 — Fa0

Laptop-PT
Laptop0
30 Hosts

R Se2/0 r-PT
Router1

PC-PT
PC0
20 Hosts

Se2/0

Fa0/0
155.35.0.0

Zafop-PT
Laptop2
900 Hosts

Se2/0

Se3/0

Fa0/0
Router-PT
Fa1/0
Router0

Rout Fa1/0
Router2

200.176.1.0

Fa0

Fa0

PC-PT
PC2
800 Hosts

Fa0

PC-PT
PC1
45 Hosts

Laptop-PT
Laptop1
50 Hosts
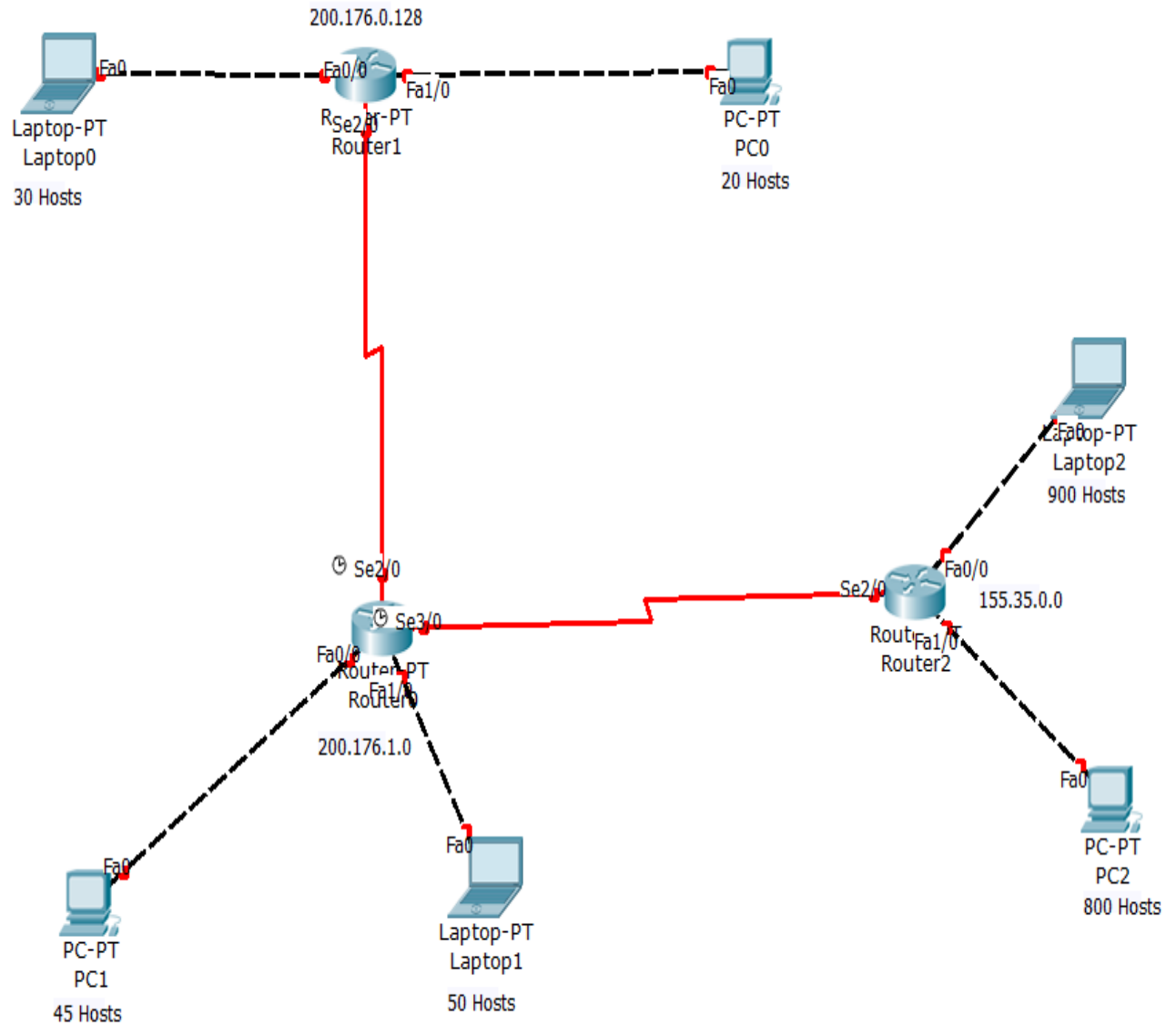
Addressing Table

Device	Interface	IP Address	Subnet Mask	Default Gateway
PC0	N/A	200.176.0.130	255.255.255.224	200.176.0.129
PC1	N/A	200.176.0.162	255.255.255.224	200.176.0.161
PC2	N/A	200.176.1.2	255.255.255.192	200.176.1.1
PC3	N/A	200.176.1.66	255.255.255.192	200.176.1.65
PC4	N/A	155.35.0.2	255.255.252.0	155.35.0.1
PC5	N/A	155.35.4.2	255.255.252.0	155.35.4.1
R0	Fa0/0	200.176.1.1	255.255.255.192	N/A
	Fa1/0	200.176.1.65	255.255.255.192	N/A
	Se2/0	20.1.1.2	255.255.255.252	N/A
	Se3/0	20.2.2.1	255.255.255.252	N/A
R1	Fa0/0	200.176.0.129	255.255.255.224	N/A
	Fa1/0	200.176.0.161	255.255.255.224	N/A
	Se2/0	20.1.1.1	255.255.255.252	N/A
R2	Fe0/0	155.35.0.1	255.255.252.0	N/A
	Fe1/0	155.35.4.1	255.255.252.0	N/A
	Se2/0	20.2.2.2	255.255.255.252	N/A

Configuring RIPv2

Device	Command
R0	Router(config)#router rip Router(config-router)#version 2 Router(config-router)#network 200.176.1.0 Router(config-router)#network 200.176.1.64 Router(config-router)#network 20.1.1.0 Router(config-router)#network 20.2.2.0 Router(config-router)#no auto summary Router(config-router)#exit
R1	Router(config)#router rip Router(config-router)#version 2 Router(config-router)#network 200.176.0.128 Router(config-router)#network 200.176.0.160 Router(config-router)#network 20.1.1.0 Router(config-router)#no auto summary Router(config-router)#exit
R2	Router(config)#router rip Router(config-router)#version 2 Router(config-router)#network 155.35.0.0 Router(config-router)#network 155.35.4.0 Router(config-router)#network 20.2.2.0 Router(config-router)#no auto summary Router(config-router)#exit