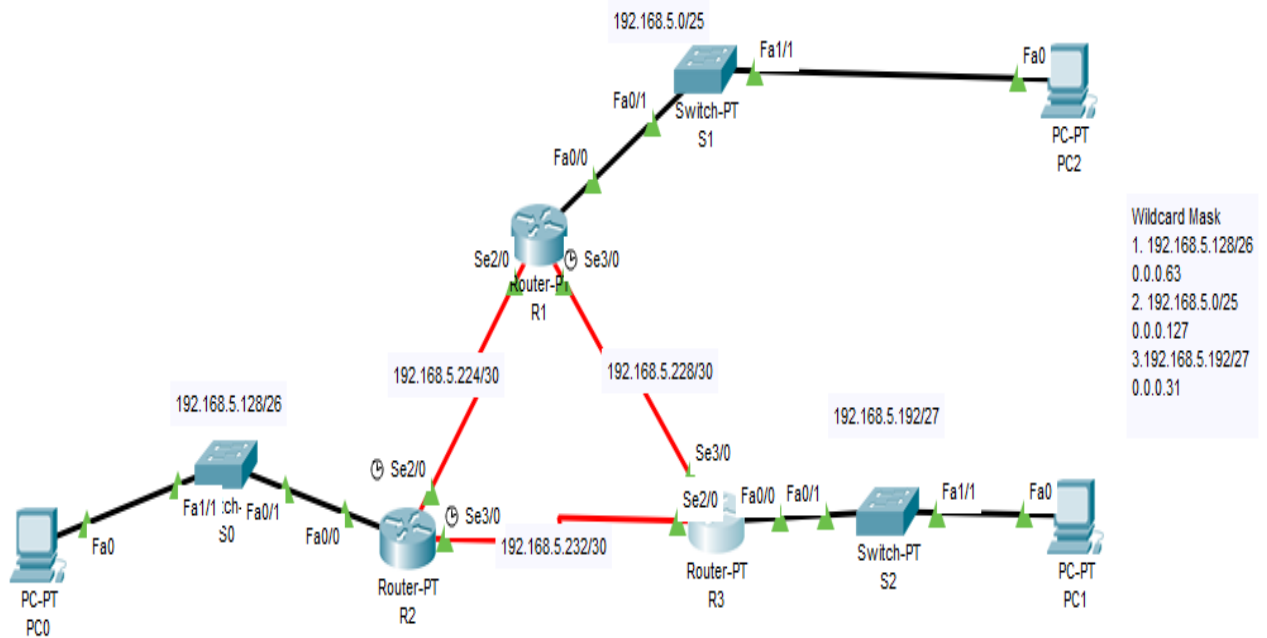


Configure EIGRP Protocol in Packet Tracer



Configure R1:

```
R1(config)#router eigrp 10
R1(config-router)#no auto-summary
R1(config-router)#network 192.168.5.224 0.0.0.3
R1(config-router)#network 192.168.5.228 0.0.0.3
R1(config-router)#network 192.168.5.0 0.0.0.127
```

Configure R2:

```
R2(config)#router eigrp 10
R2(config-router)#no auto-summary
R2(config-router)#network 192.168.5.128 0.0.0.63
R2(config-router)#network 192.168.5.224 0.0.0.3
R2(config-router)#network 192.168.5.232 0.0.0.3
```

Configure R3:

```
R3(config)#router eigrp 10
R3(config-router)#no auto-summary
R3(config-router)#network 192.168.5.232 0.0.0.3
R3(config-router)#network 192.168.5.228 0.0.0.3
R3(config-router)#network 192.168.5.192 0.0.0.31
```

Verify EIGRP:

R1#show ip eigrp neighbors -----shows all EIGRP neighbors.

R1#show ip route eigrp-----shows only EIGRP entries in the routing table.

R1#show ip route----- shows the entire route table.

R1#show ip eigrp topology-----Shows entries in the EIGRP topology table.

Disabling Automatic Summarization

- The *auto-summary* command permits EIGRP to automatically summarize at major network boundaries
- The *no auto-summary* command is used to disable automatic summarization
 - This causes all EIGRP neighbors to send updates that will not be automatically summarized
 - this will cause changes to appear in both
 - routing tables
 - topology tables