

1. (20) Explain the relationship between CIDR and hierarchical routing.

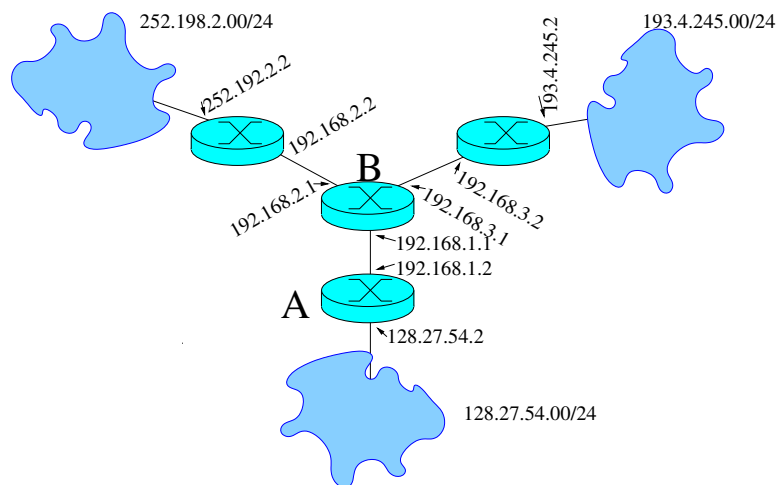
2. (15) Indicate the routing tables that routers A and B have in the network below. The network number for each cloud is given and the IP address of each router interface is the number closest to that interface.

Router A

Destination network	Next Router	Interface

Router B

Destination network	Next Router	Interface



3. Every ISP and network on the Internet has finally agreed to use the same routing protocol and share all routing information globally. Should they select a link-state or distance-vector algorithm. Why? What types of problems might they encounter trying to implement this?

4. Compare and contrast (very briefly) TCP Reno and TCP Vegas' approach to congestion.