1. Explain how a “bad” router on the path between the source and destination can shut down a legitimate SCTP association even if packets are never dropped at any of the routers (including the “bad” router).

2. What is the job of a default router? How does a host that is starting (booting) obtain the IP address of the default router of the network the host is connected to?

3. How can a host with a single Ethernet NIC (and no other network card) be reachable by multiple IP addresses? What is common to these multiple IP addresses? [Hint: ARP or Address Resolution Protocol]