Review Questions for Midterm Exam 2

1. What is the difference between “flow control” and “congestion control”?

2. For the following directed graph, construct the table associated with applying the link-state algorithm to node A.

3. Does the TCP protocol use a “go back N”-type algorithm for reliable transport, or a “selective repeat”-type algorithm? Explain your answer.

4. In TCP, what is “slow start”, when is it used, and how does it work?

5. In TCP, what is “fast recovery”, when is it used, and how does it work?

6. Explain the “count to infinity” problem with an example.

7. Distinguish among the following terms: fragmentation, segmentation, MTU, MSS

8. What is NAT? How does it work?

9. What is a “hop limit”? How is it enforced? What does it have to do with traceroute?

10. Define the following terms and specify where they are used: BGP? RIP? ARP?