Cpr E 489 (Spring 2020) Online Exam #2 Review

Topic 5: Network Layer
- Shortest-path routing [Chapters 7.5.1, 7.5.2, 7.5.4]
    - Distance Vector routing
        - Bellman-Ford algorithm
        - Routing loop, Split Horizon with Poisoned Reverse (SHPR)
        - Path Vector Routing
    - Link State routing
        - Dijkstra's algorithm
- RIP, OSPF, BGPv4 [Chapter 8.6.0]

Topic 6: Transport Layer – Transmission Control Protocol (TCP) [Chapters 8.5, lecture notes]
- TCP provides a connection-oriented reliable byte-stream end-to-end data delivery service over IP.
- TCP Connection Establishment/Termination (3-way handshake)
- TCP ACK and Error Control
    - Special version of SR ARQ
    - TCP Retransmission Time Out (RTO)
- TCP Flow Control (difference between flow control and congestion control)