



















































Graph Algorithms

- There are algorithms to compute the minimal spanning tree of a graph and the shortest paths for a graph.
 - We will see these later on in the semester.
- There are algorithms for other graph operations:
 - If a graph represents a set of pipes and the number represent the maximum flow through each pipe, then we can determine the maximum amount of water that can flow through the pipes assuming one vertex is a "source" (water coming into the system) and one vertex is a "sink" (water leaving the system)
 - Many more graph algorithms... very useful to solve real life problems.

15110 Principles of Computing, Carnegie Mellon University - CORTINA

27