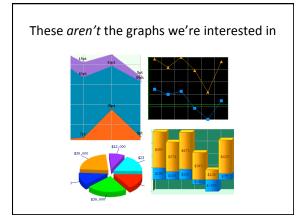
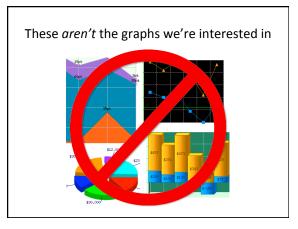


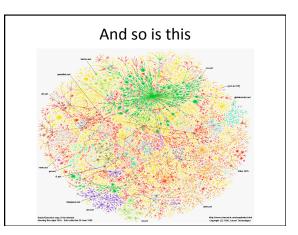
Readings

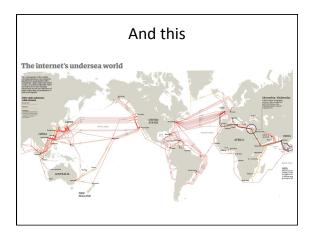
- Chapter 28: Graphs
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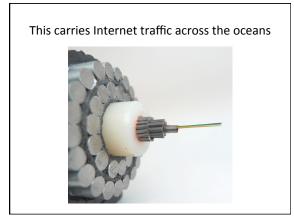


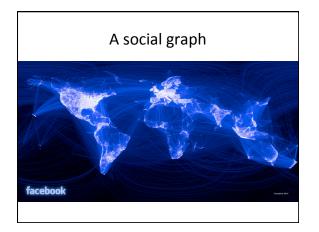




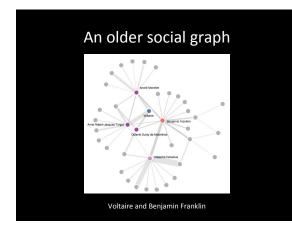


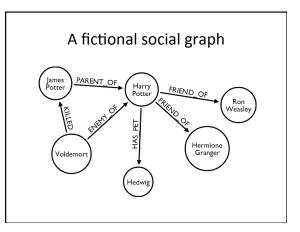


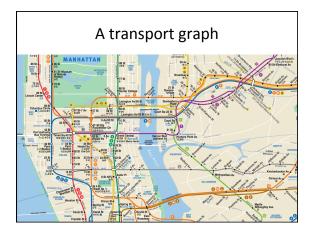


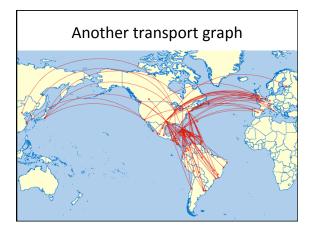


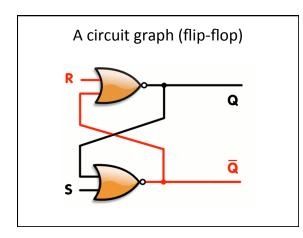


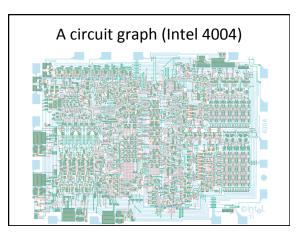


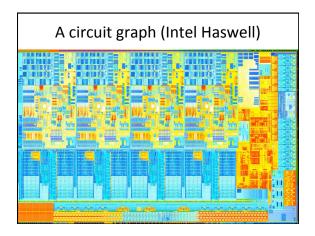


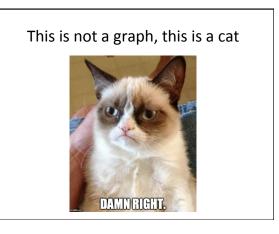


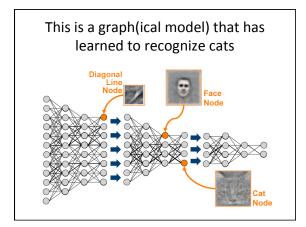


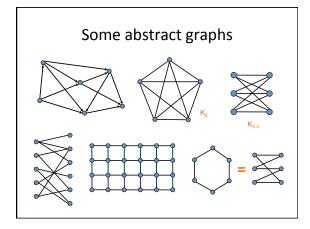


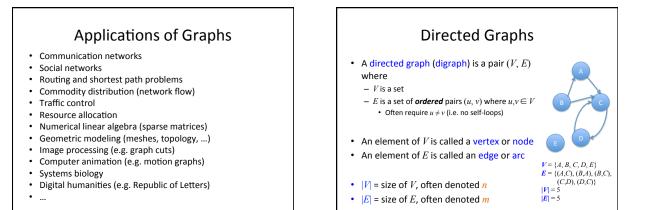


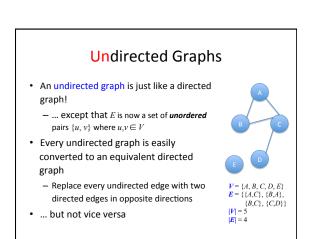


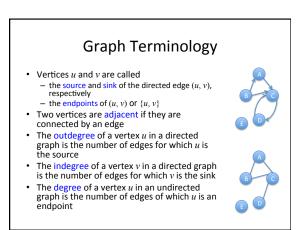


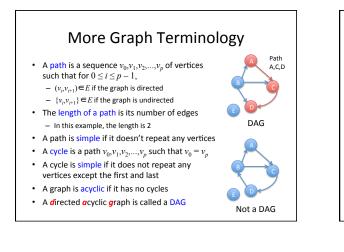


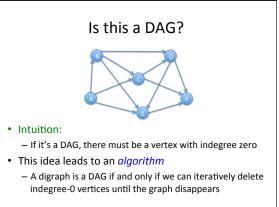


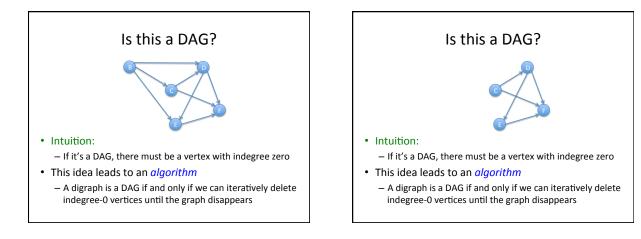


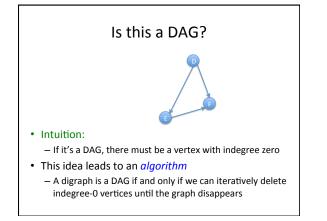


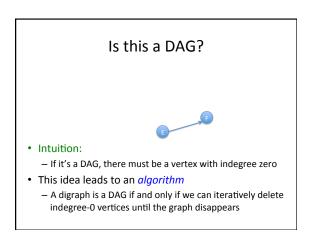




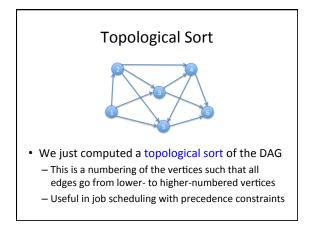


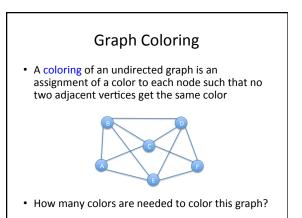


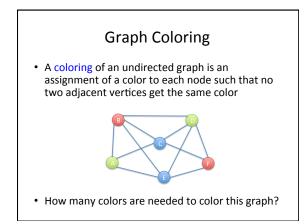


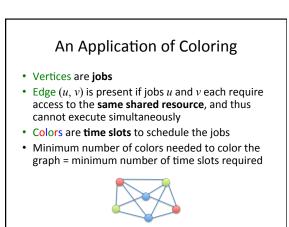


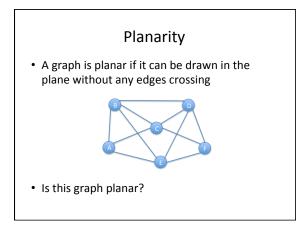


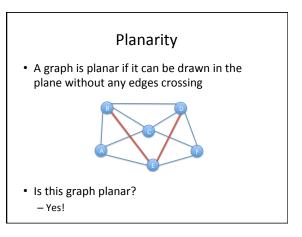


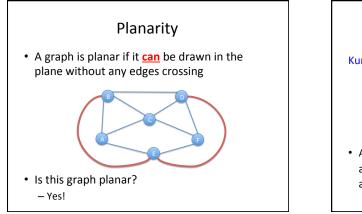


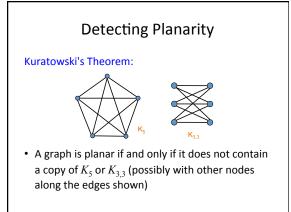


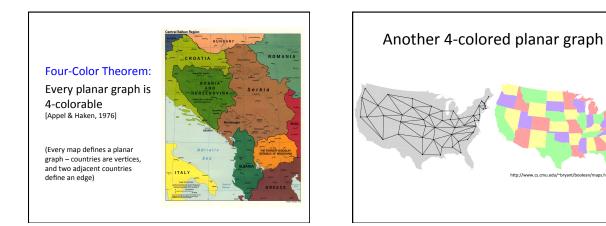






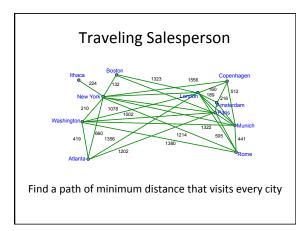


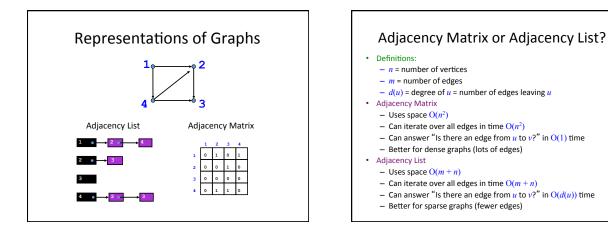


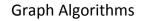


Bipartite Graphs

- A directed or undirected graph is bipartite if the vertices can be partitioned into two sets such that no edge connects two vertices in the same set
- The following are equivalent
 G is bipartite
 - G is 2-colorable
 - G has no cycles of odd length
 - ,







- Search
 - Depth-first search
 - Breadth-first search
- Shortest paths
 - Dijkstra's algorithm
- Minimum spanning trees
 - Prim's algorithm
 - Kruskal's algorithm

Readings

- Chapter 28: Graphs
- Chapter 29: Graph Implementations