

## Today's Outline

2

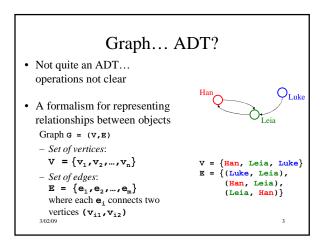
- Announcements - HW 6/7 on graphs posted later today
- Graphs – Representations

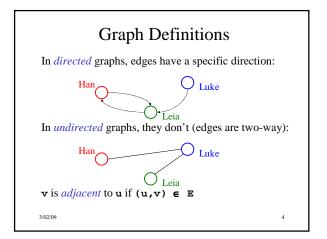
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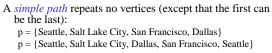
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- Topological Sort





## More Definitions: Simple Paths and Cycles



- A *cycle* is a path that starts and ends at the same node: p = {Seattle, Salt Lake City, Dallas, San Francisco, Seattle} p = {Seattle, Salt Lake City, Seattle, San Francisco, Seattle}
- A *simple cycle* is a cycle that repeats no vertices except that the first vertex is also the last (in undirected graphs, no edge can be repeated)

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