



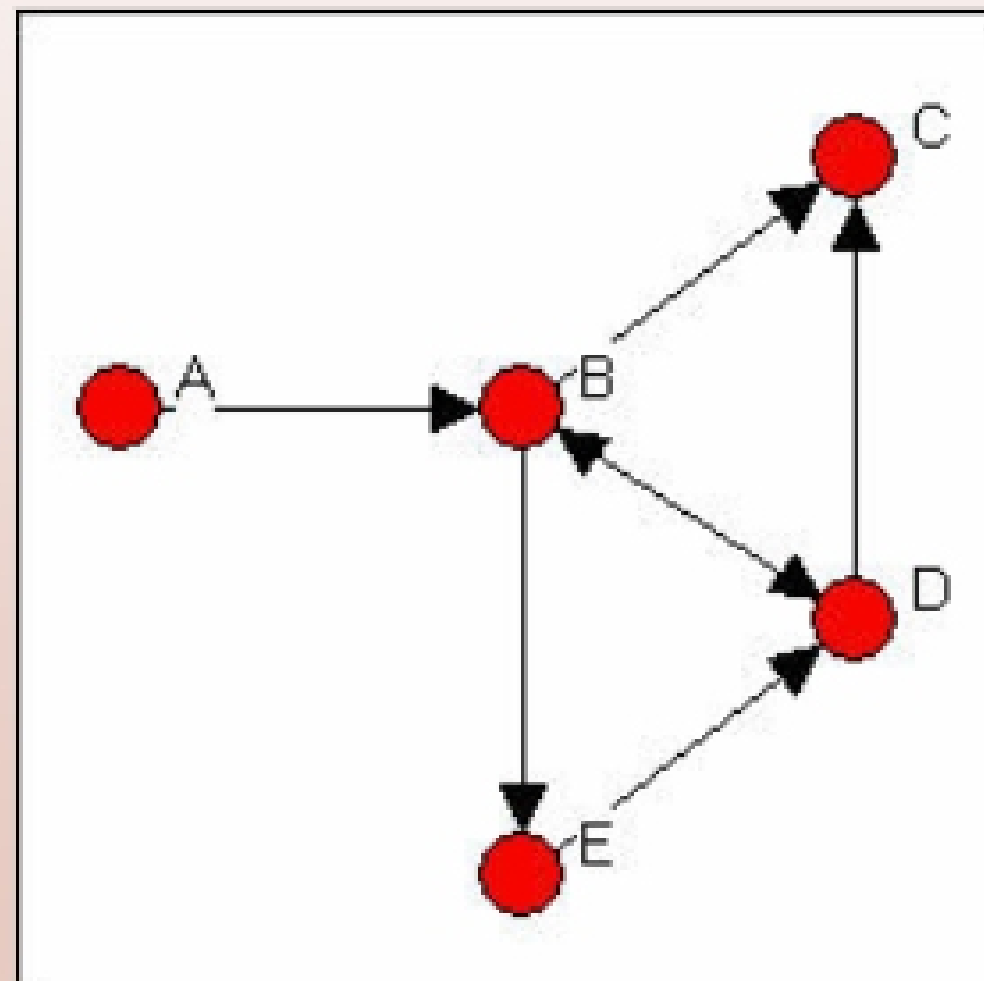
CMSC 250

Discrete Structures

Graphs and Trees

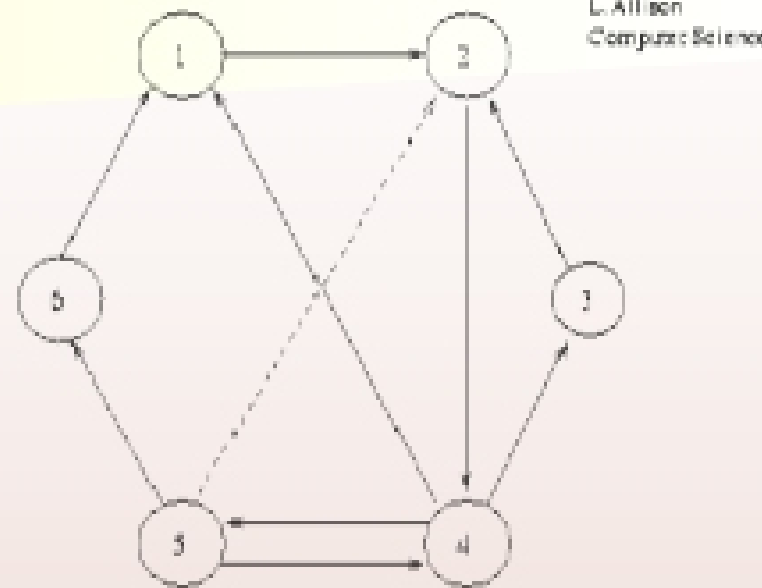
Graphs

- Vertices
- Edges (endpoints)



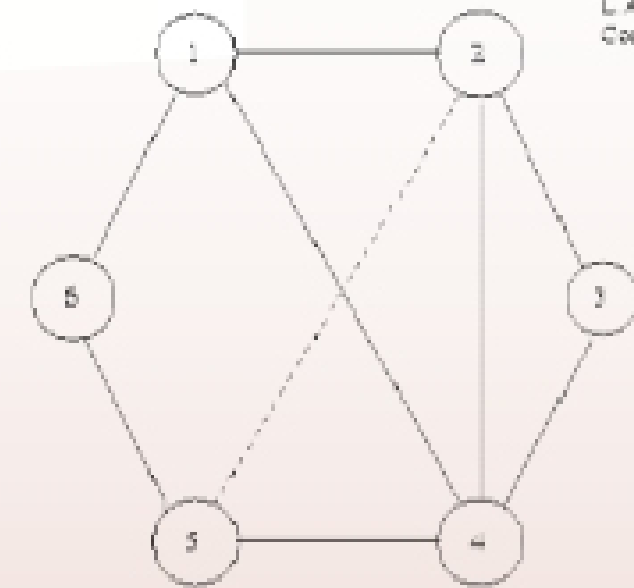
Types of Graphs

- Directed – order counts when discussing edges
- Undirected (bidirectional)
- Weighted – each edge has a value associated with it
- Unweighted



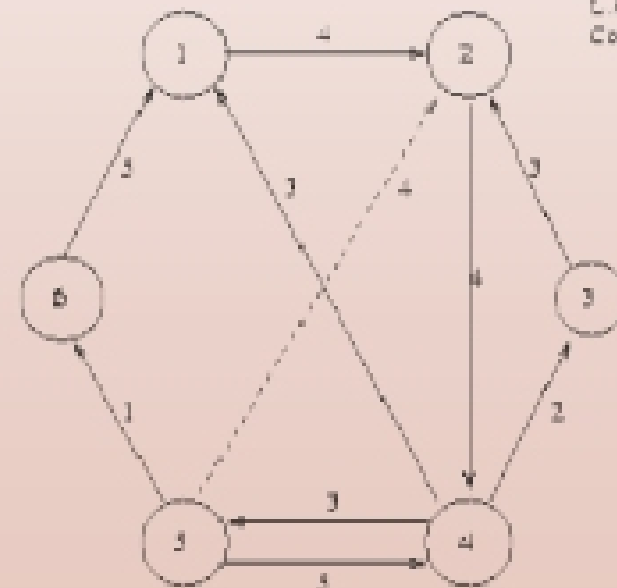
Directed Graph

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Computer Science



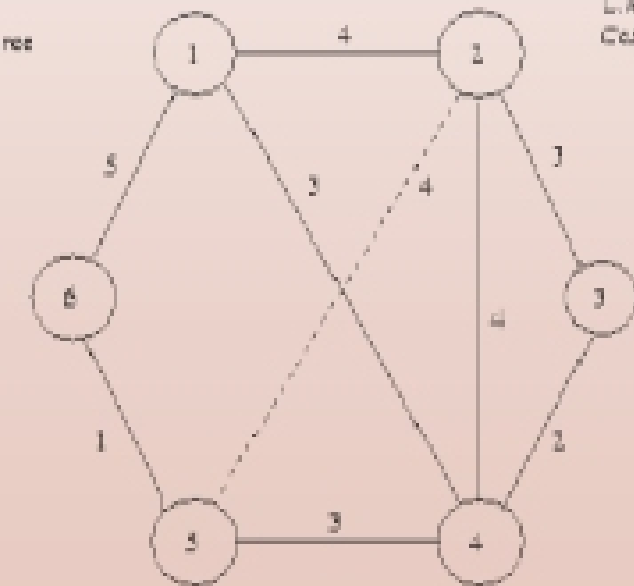
Undirected Graph

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Weighted Directed Graph

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Weighted Undirected Graph

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