



4. GREEDY ALGORITHMS II

- ▶ *Kruskal's algorithm demo*

Lecture slides by Kevin Wayne

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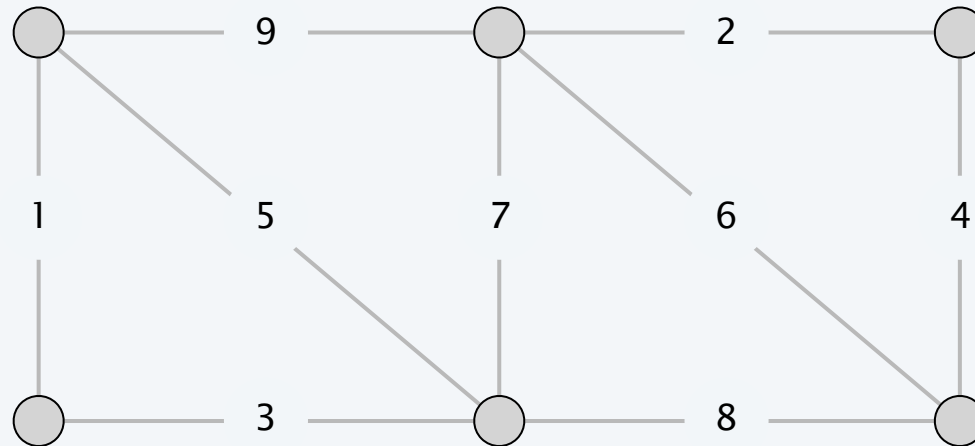
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<http://www.cs.princeton.edu/~wayne/kleinberg-tardos>

Kruskal's algorithm demo

Consider edges in ascending order of weight:

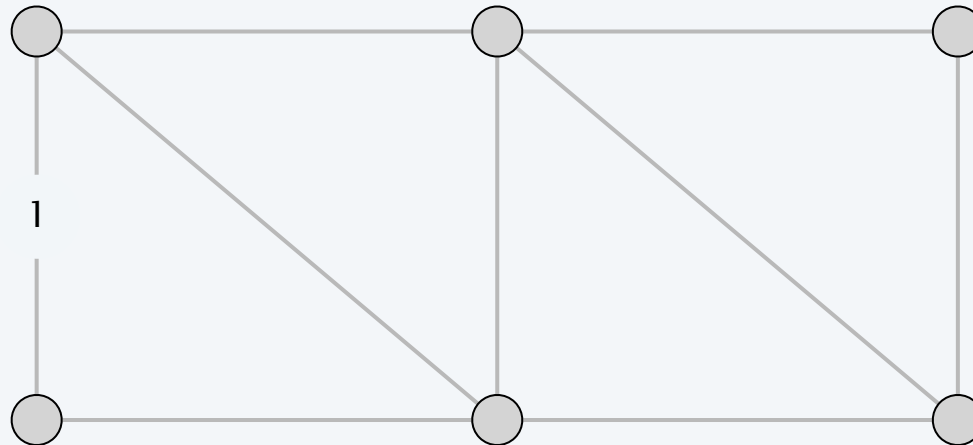
- Add to tree unless it would create a cycle.



Kruskal's algorithm demo

Consider edges in ascending order of weight:

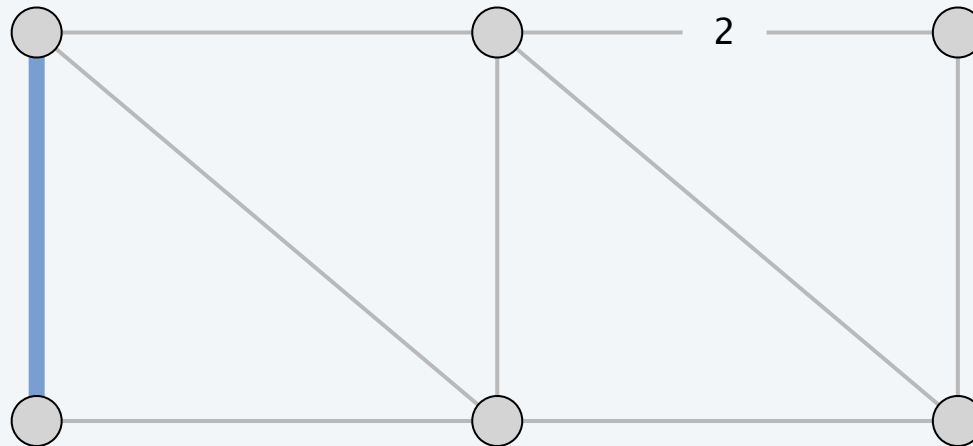
- Add to tree unless it would create a cycle.



Kruskal's algorithm demo

Consider edges in ascending order of weight:

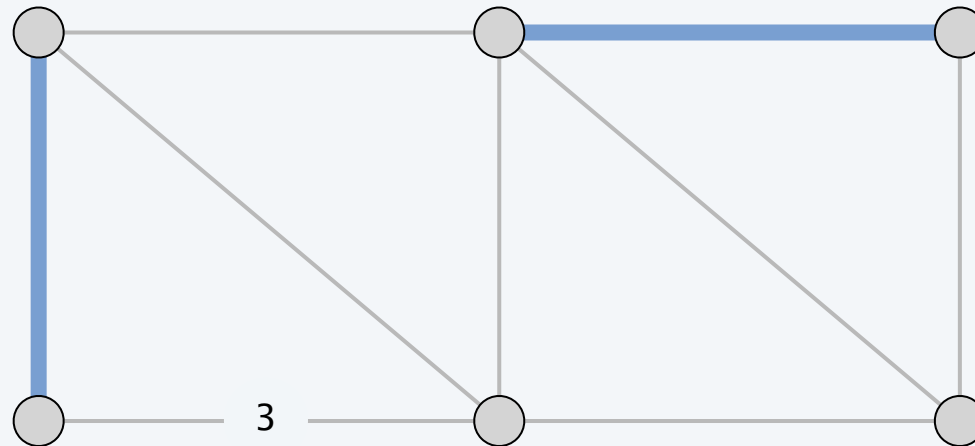
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Kruskal's algorithm demo

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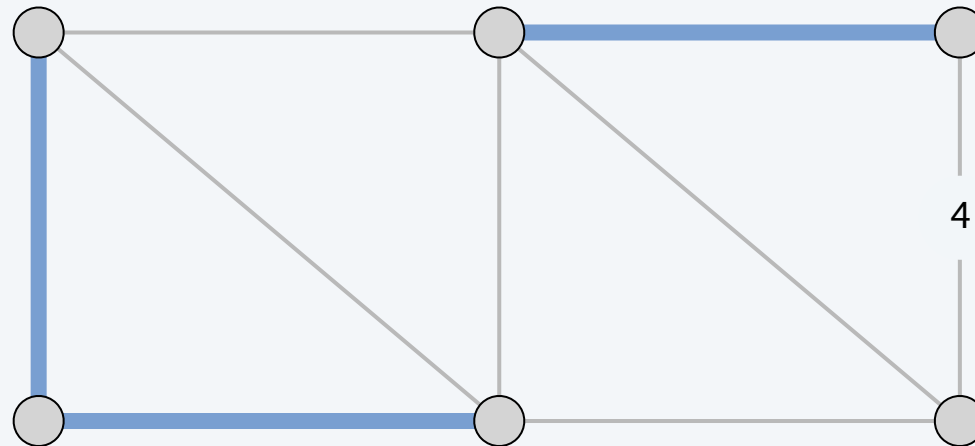
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Kruskal's algorithm demo

Consider edges in ascending order of weight:

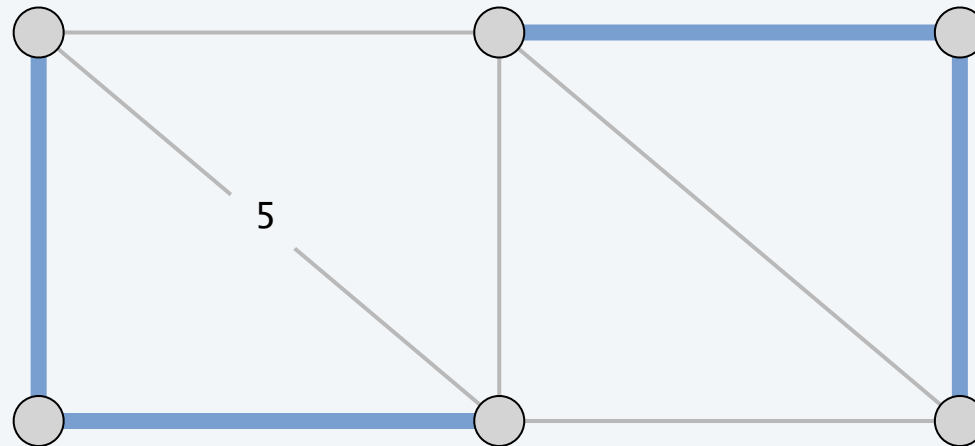
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Kruskal's algorithm demo

Consider edges in ascending order of weight:

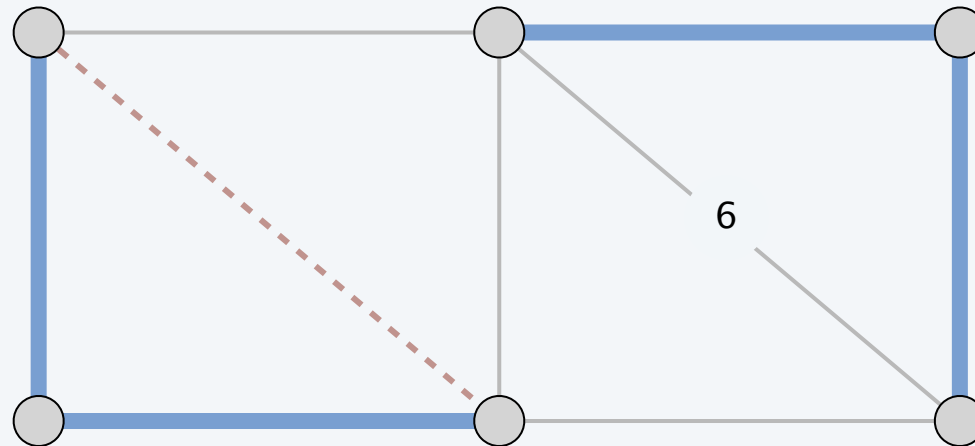
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Kruskal's algorithm demo

Consider edges in ascending order of weight:

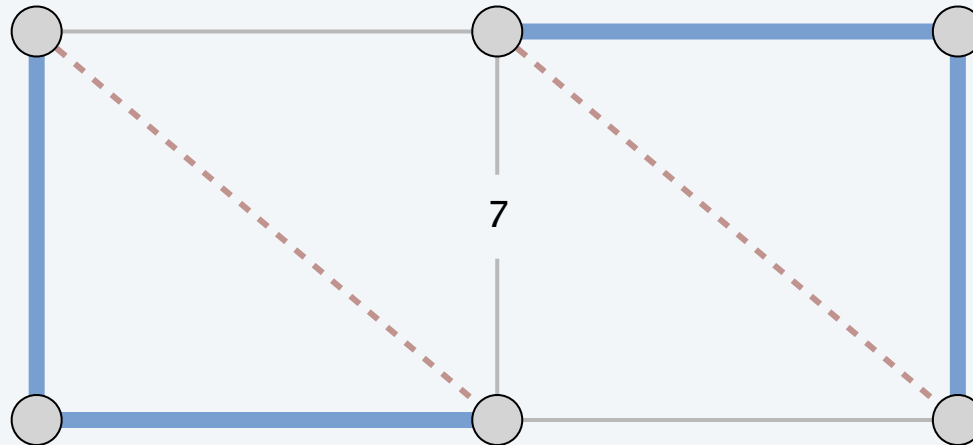
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Kruskal's algorithm demo

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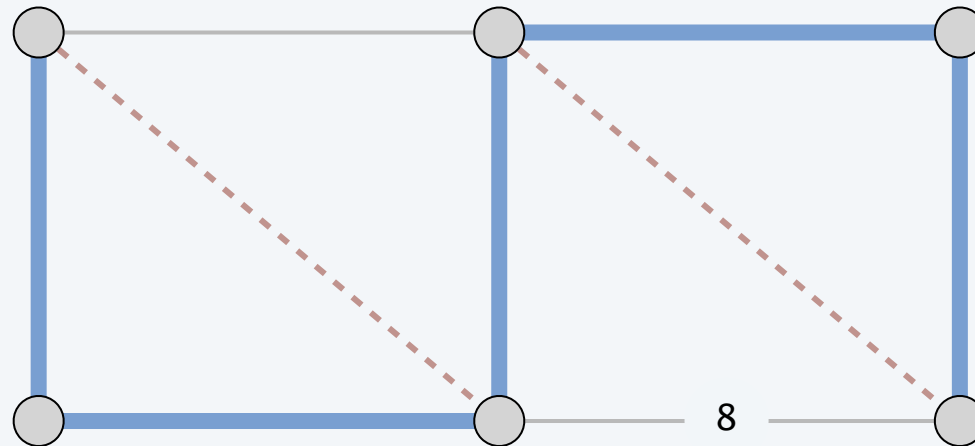
- Add to tree unless it would create a cycle.



Kruskal's algorithm demo

Consider edges in ascending order of weight:

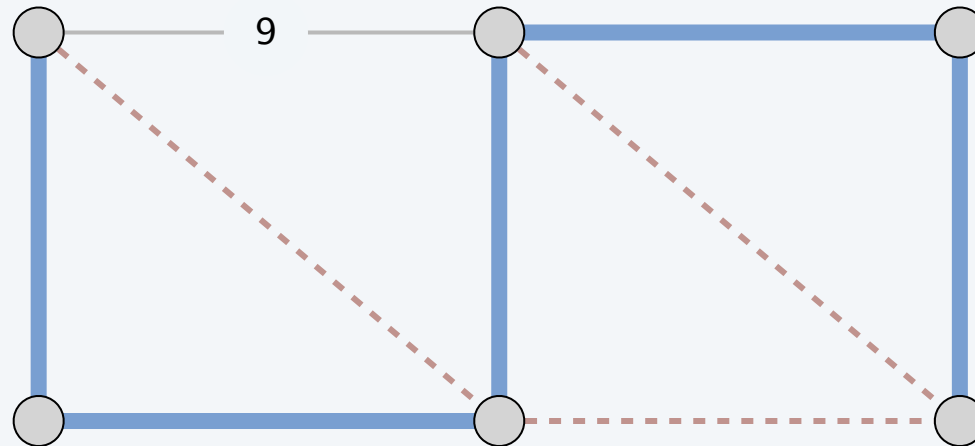
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Kruskal's algorithm demo

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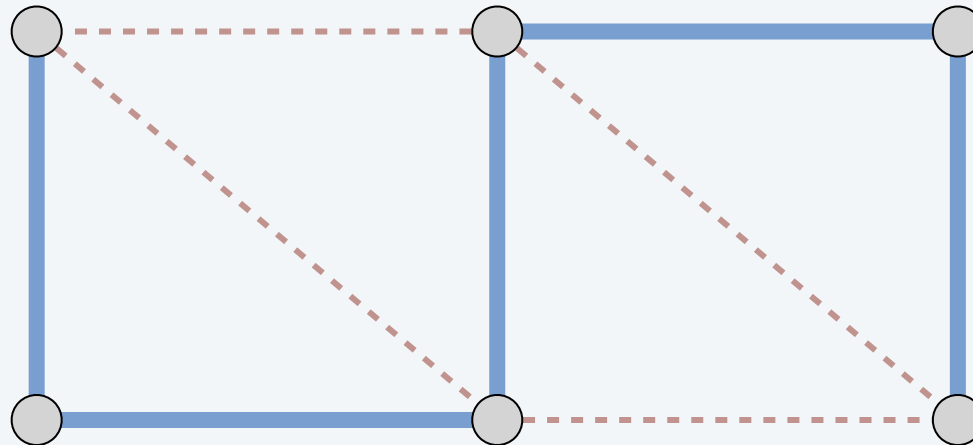
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Kruskal's algorithm demo

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Kruskal's algorithm demo

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