

## 4. GREEDY ALGORITHMS II

### ▸ Kruskal's algorithm demo

Lecture slides by Kevin Wayne

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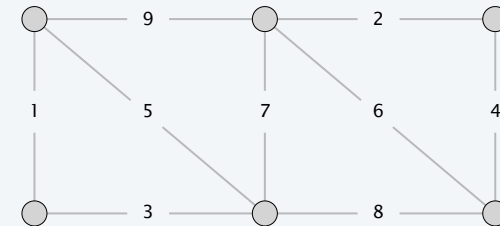
<http://www.cs.princeton.edu/~wayne/kleinberg-tardos>

Last updated on Sep 8, 2013 6:19 AM

## Kruskal's algorithm demo

Consider edges in ascending order of weight:

- Add to tree unless it would create a cycle.

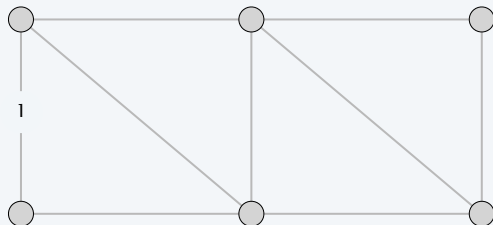


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## Kruskal's algorithm demo

Consider edges in ascending order of weight:

- Add to tree unless it would create a cycle.

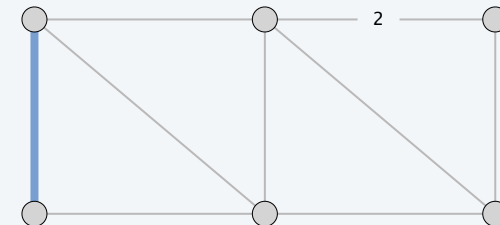


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## Kruskal's algorithm demo

Consider edges in ascending order of weight:

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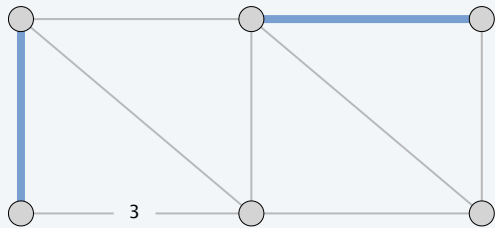


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## Kruskal's algorithm demo

Consider edges in ascending order of weight:

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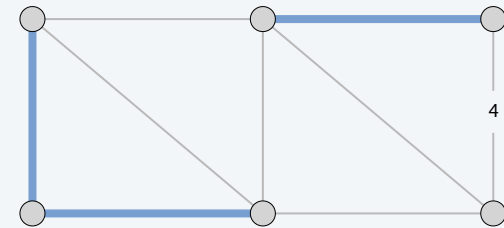


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## Kruskal's algorithm demo

Consider edges in ascending order of weight:

- Add to tree unless it would create a cycle.

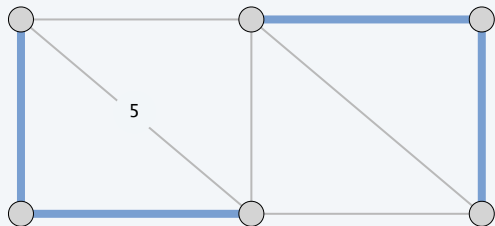


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## Kruskal's algorithm demo

Consider edges in ascending order of weight:

- Add to tree unless it would create a cycle.

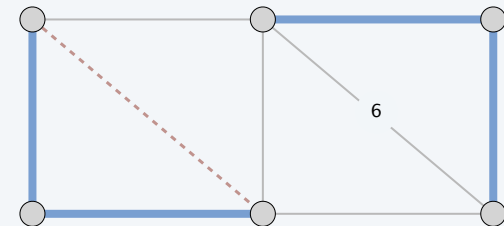


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Consider edges in ascending order of weight:

- Add to tree unless it would create a cycle.

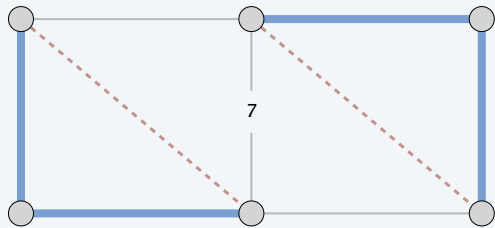


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Consider edges in ascending order of weight:

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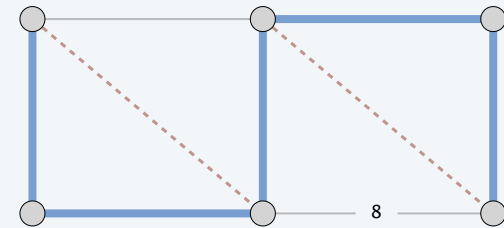


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Consider edges in ascending order of weight:

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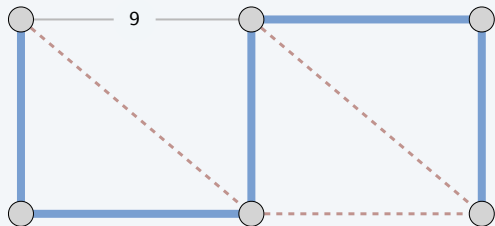


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## Kruskal's algorithm demo

Consider edges in ascending order of weight:

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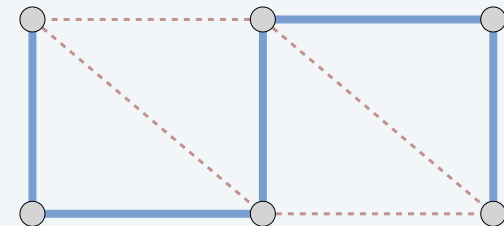


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## Kruskal's algorithm demo

Consider edges in ascending order of weight:

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## Kruskal's algorithm demo

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Consider edges in ascending order of weight:

- Add to tree unless it would create a cycle.

