

4. GREEDY ALGORITHMS II

► Prim's algorithm demo

Lecture slides by Kevin Wayne

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

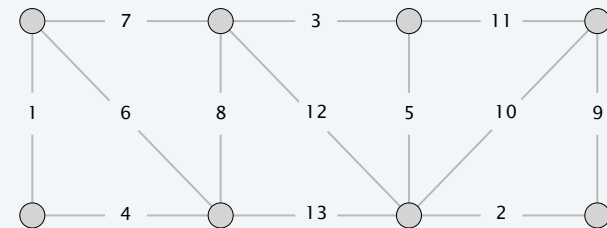
Last updated on Sep 8, 2013 6:19 AM

Prim's algorithm demo

Initialize S = any node.

Repeat $n - 1$ times:

- Add to tree the min weight edge with one endpoint in S .
- Add new node to S .



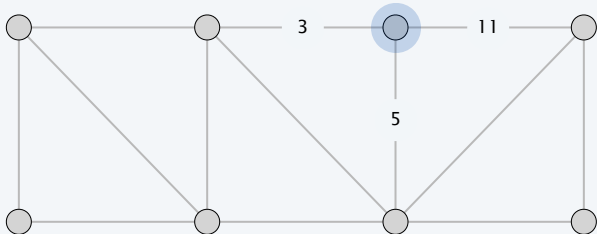
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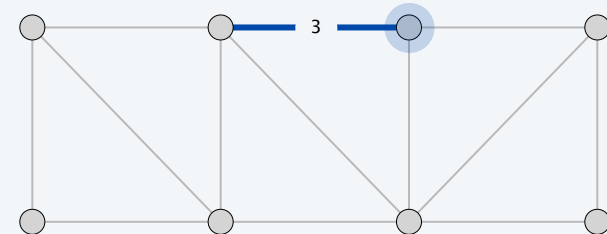
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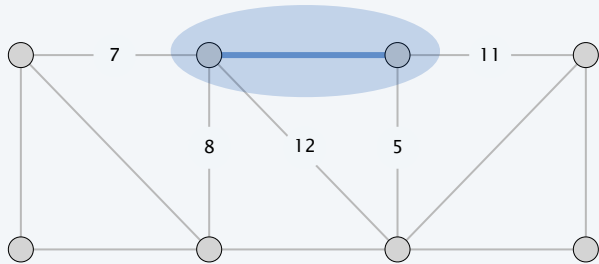
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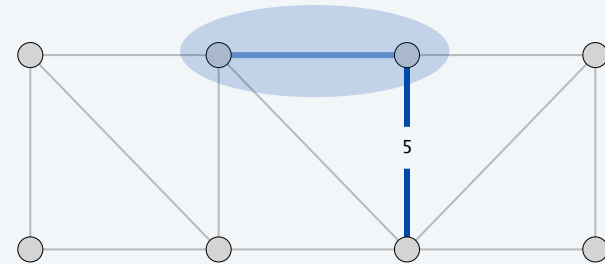
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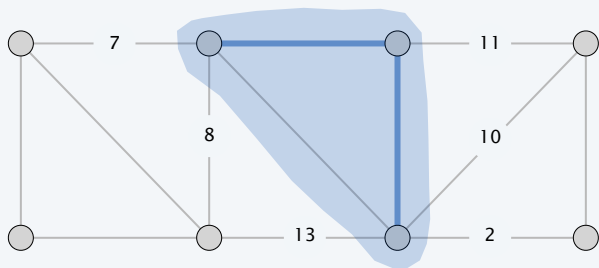
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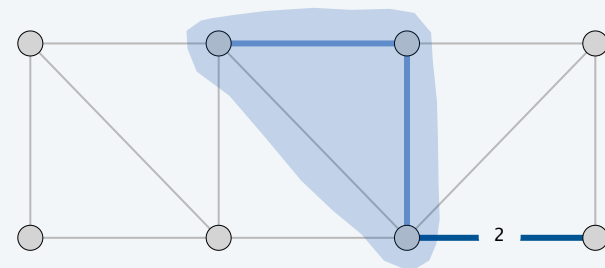
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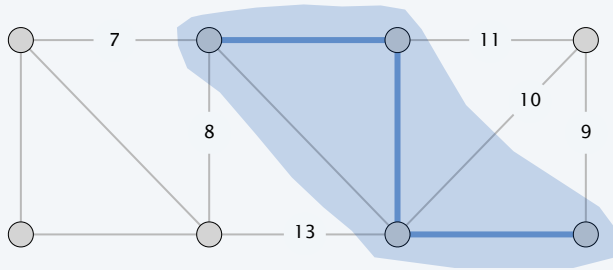
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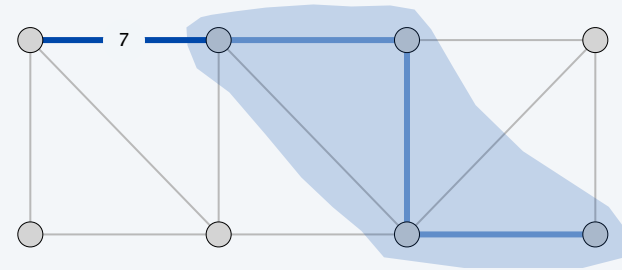
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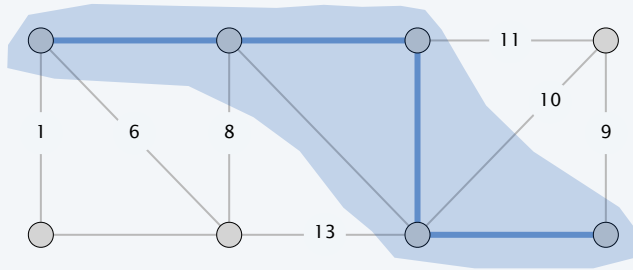
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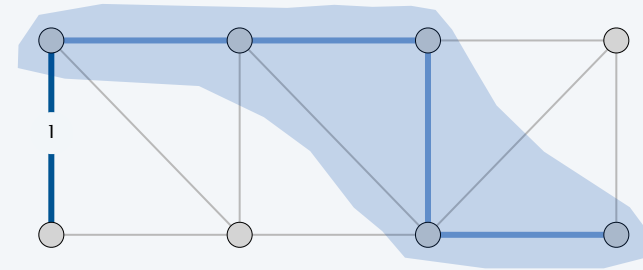
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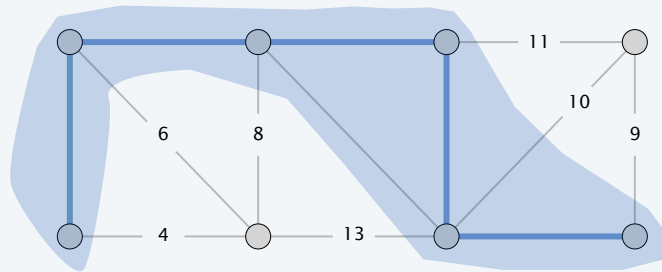
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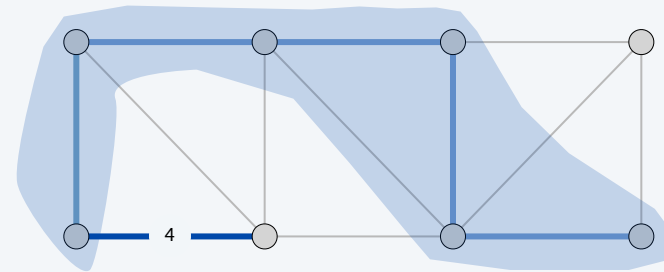
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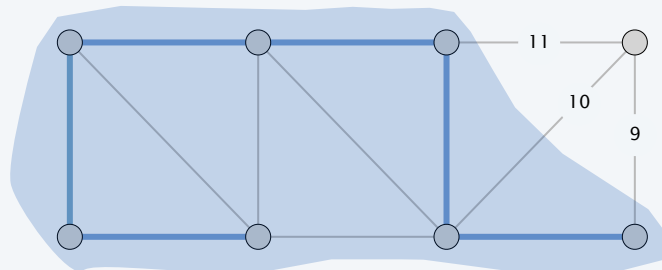
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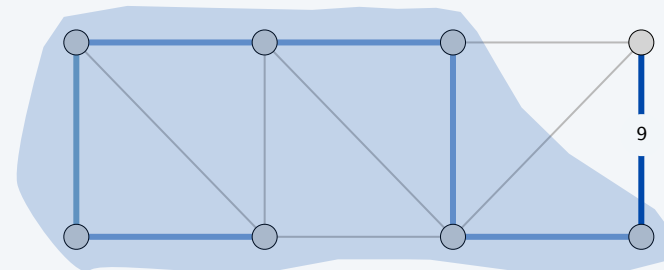
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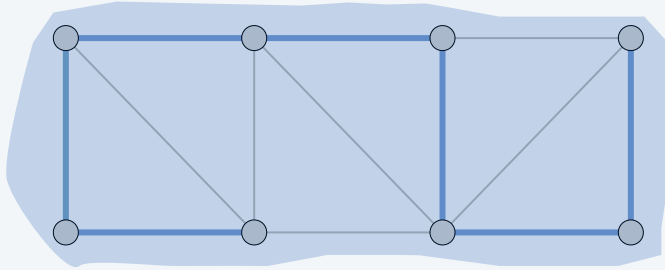
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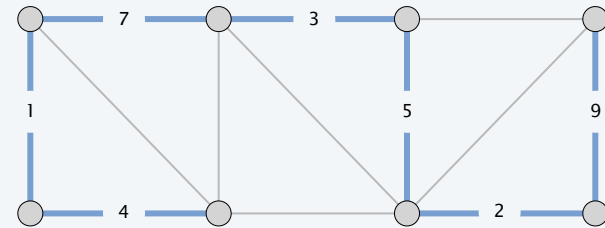
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