

4. GREEDY ALGORITHMS II

► Boruvka's algorithm demo

Lecture slides by Kevin Wayne

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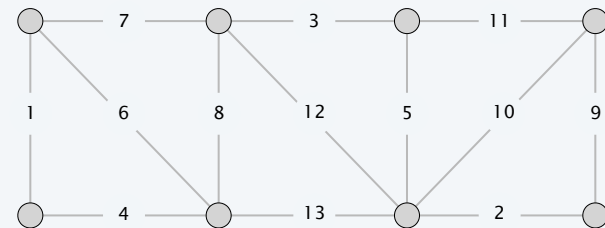
<http://www.cs.princeton.edu/~wayne/kleinberg-tardos>

Last updated on Sep 8, 2013 6:19 AM

Borůvka's algorithm demo

Repeat until only one tree.

- Apply blue rule to cutset corresponding to each blue tree.
- Color all selected arcs blue.

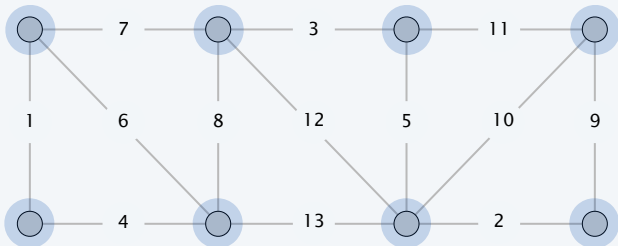


2

Borůvka's algorithm demo

Repeat until only one tree.

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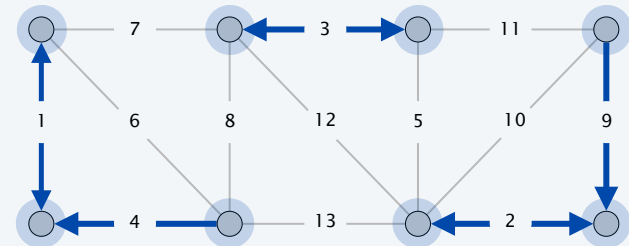


3

Borůvka's algorithm demo

Repeat until only one tree.

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- Color all selected arcs blue.

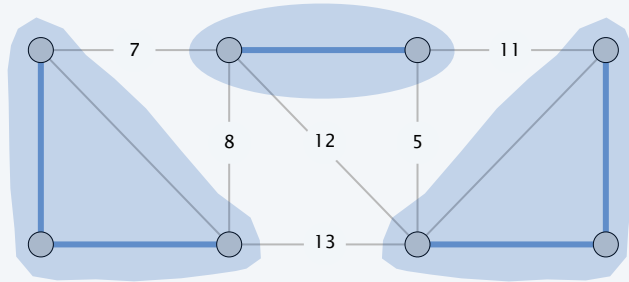


4

Borůvka's algorithm demo

Repeat until only one tree.

- Apply blue rule to cutset corresponding to each blue tree.
- Color all selected arcs blue.

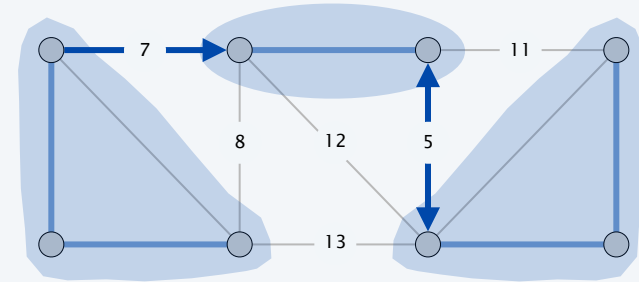


5

Borůvka's algorithm demo

Repeat until only one tree.

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- Color all selected arcs blue.

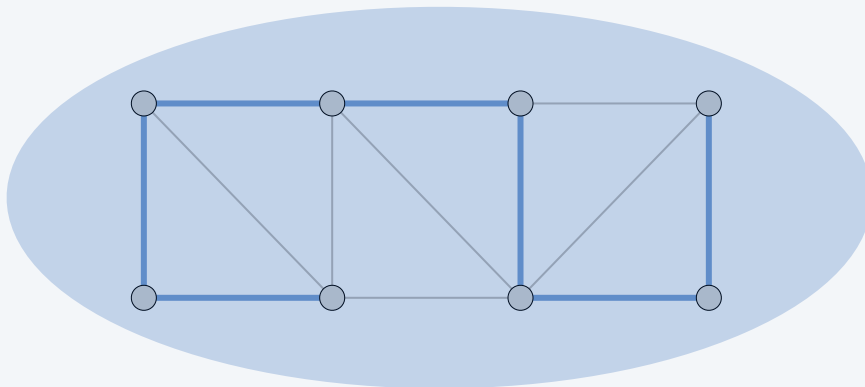


6

Borůvka's algorithm demo

Repeat until only one tree.

- Apply blue rule to cutset corresponding to each blue tree.
- Color all selected arcs blue.

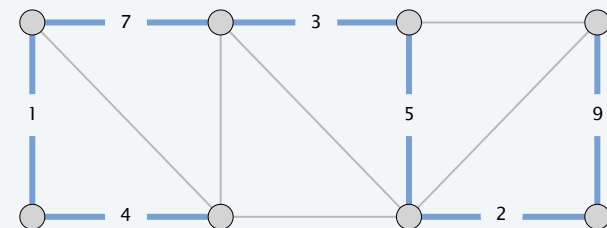


7

Borůvka's algorithm demo

Repeat until only one tree.

- Apply blue rule to cutset corresponding to each blue tree.
- Color all selected arcs blue.



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