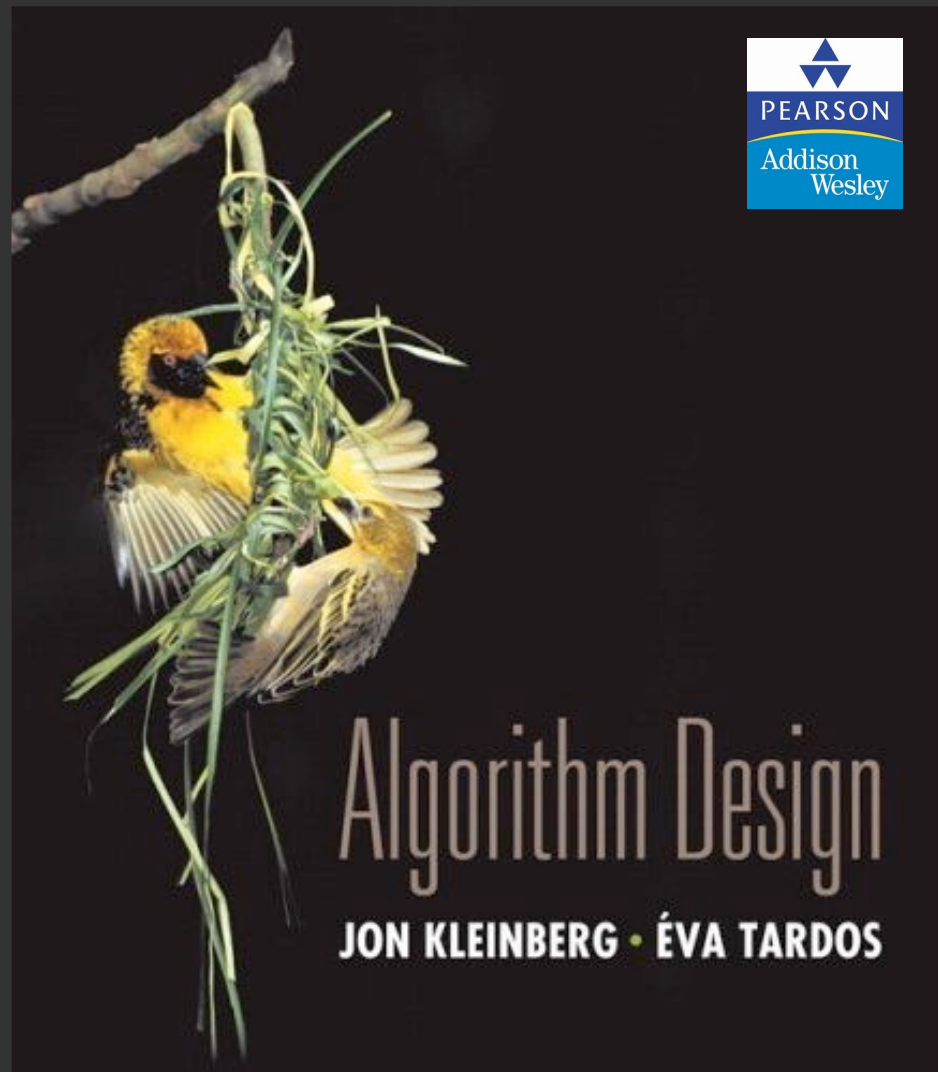


## 4. GREEDY ALGORITHMS II

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► *Boruvka's algorithm demo*



Lecture slides by Kevin Wayne

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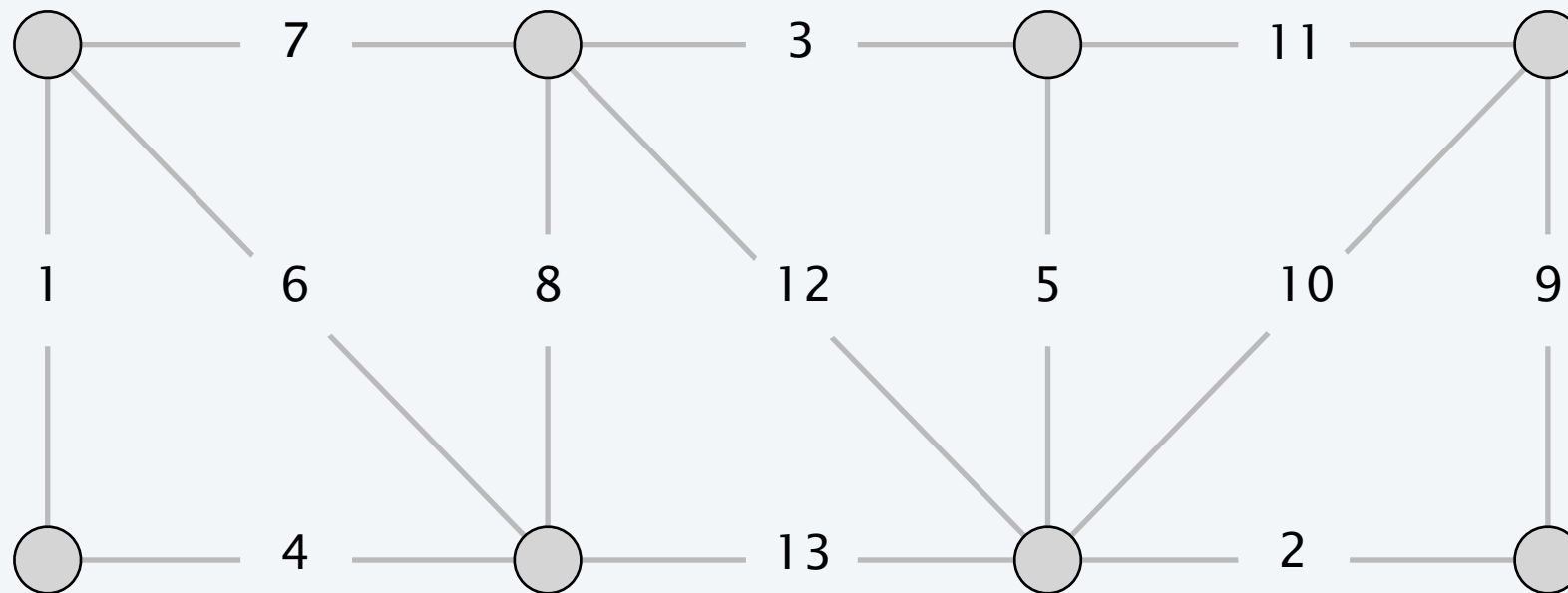
<http://www.cs.princeton.edu/~wayne/kleinberg-tardos>

# Borůvka's algorithm demo

---

Repeat until only one tree.

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

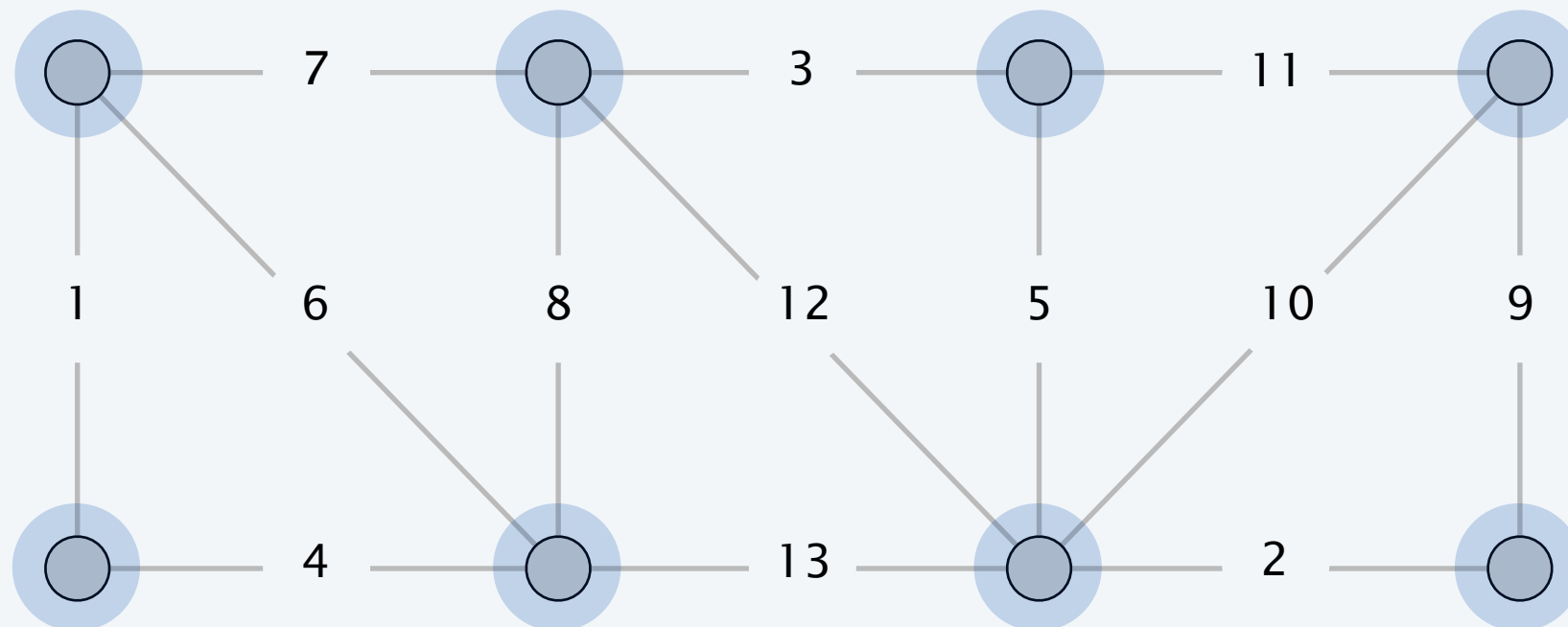


# Borůvka's algorithm demo

---

Repeat until only one tree.

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

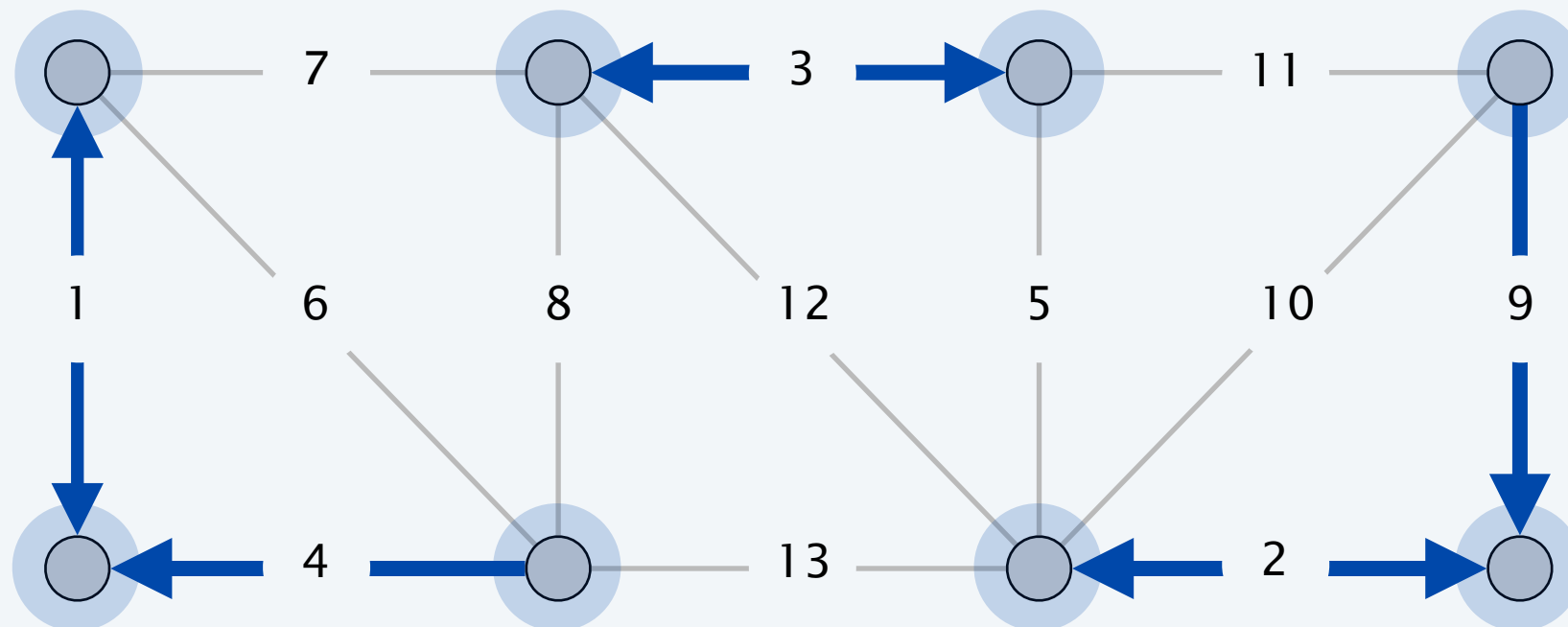


# Borůvka's algorithm demo

---

Repeat until only one tree.

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

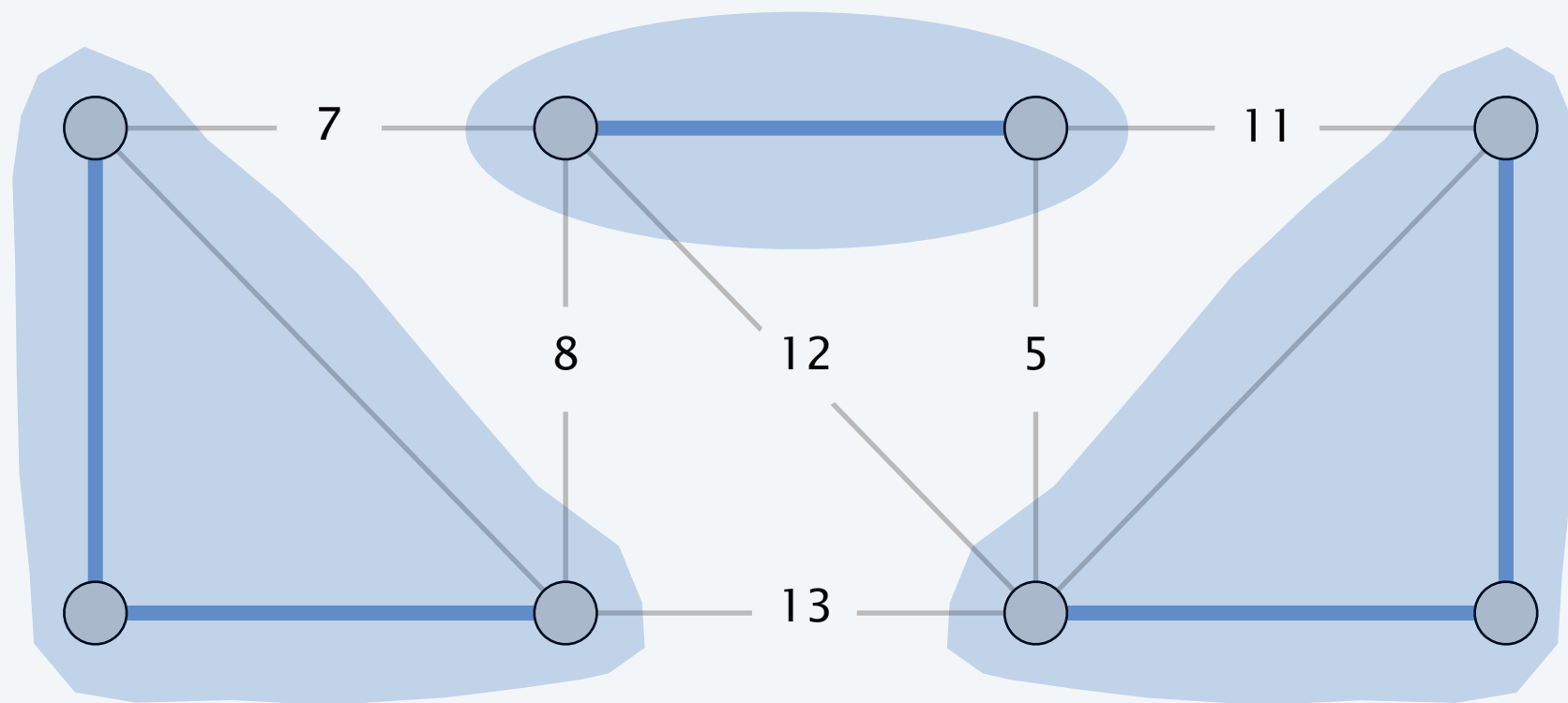


# Borůvka's algorithm demo

---

Repeat until only one tree.

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

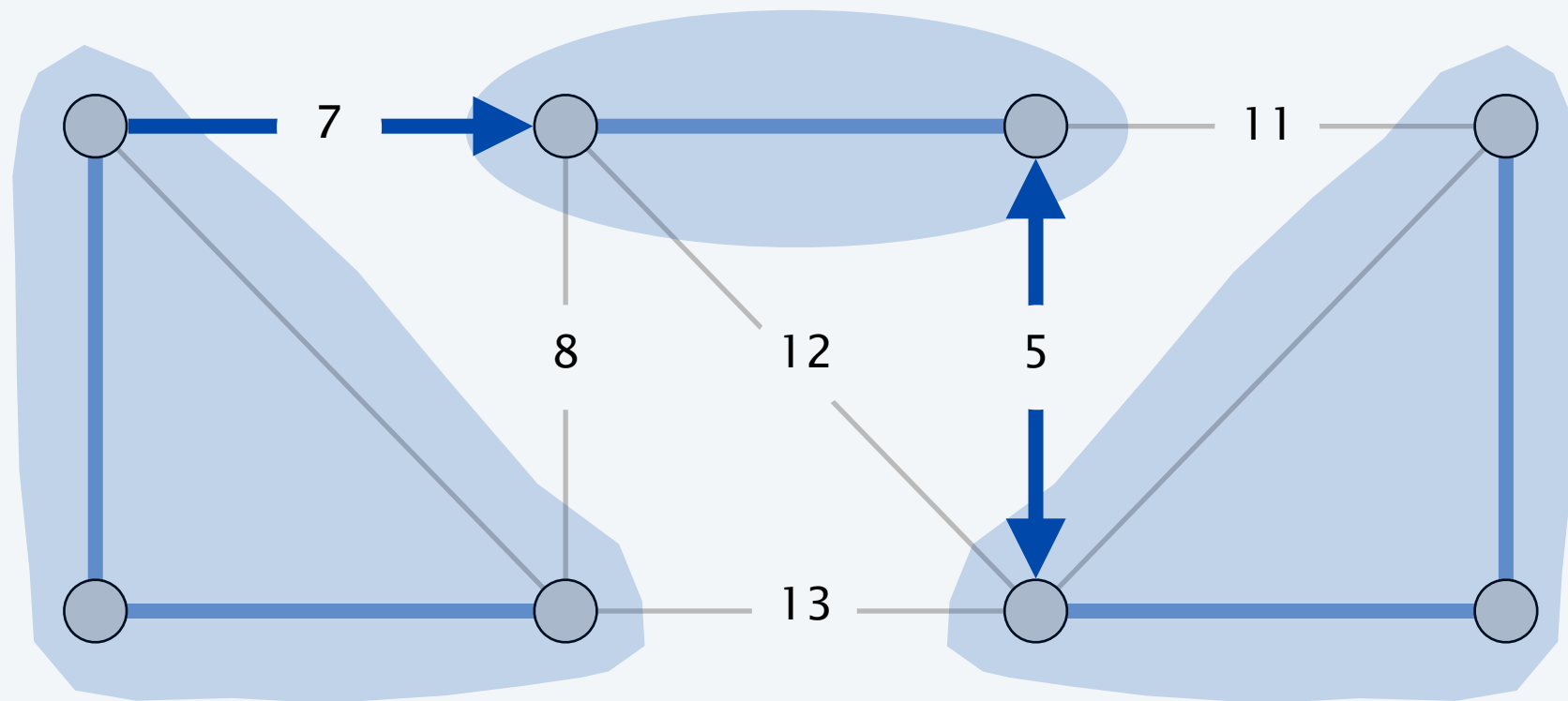


# Borůvka's algorithm demo

---

Repeat until only one tree.

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

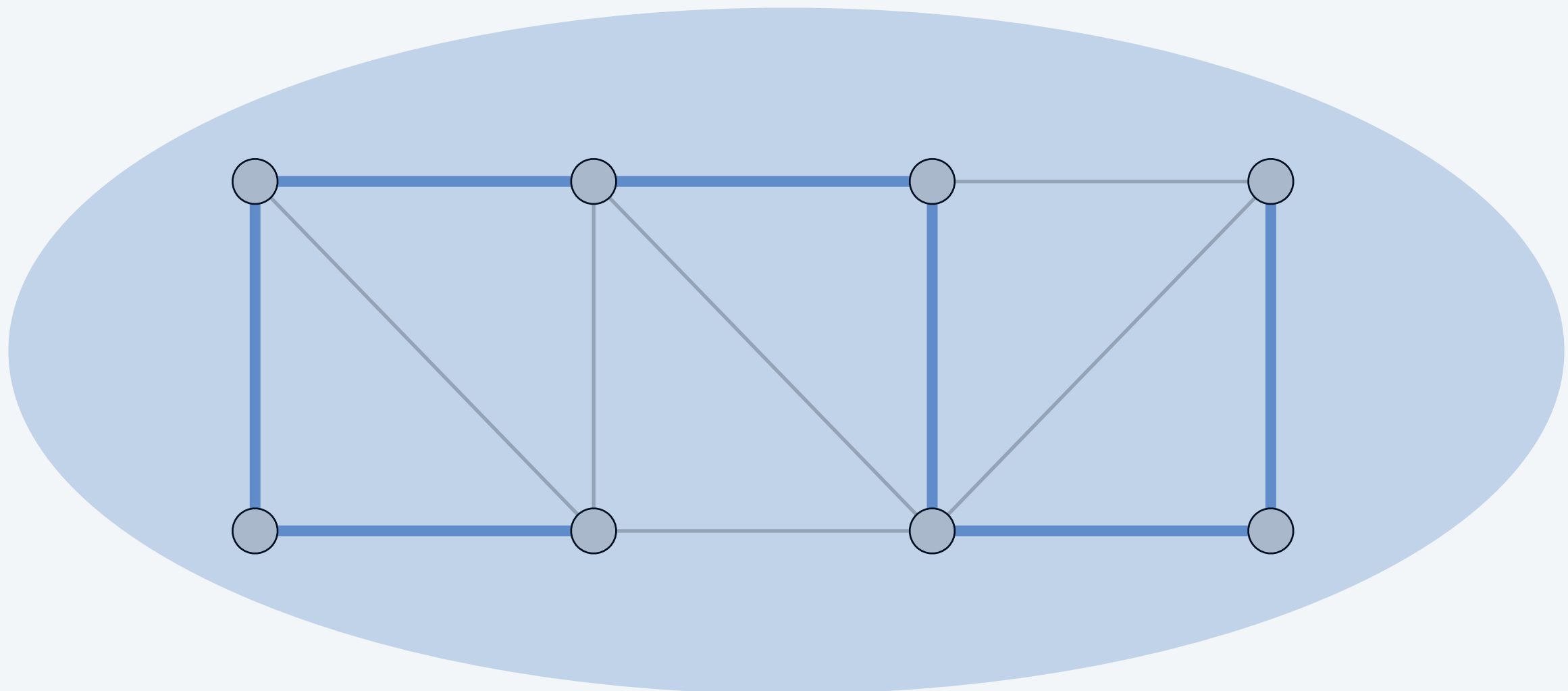


# Borůvka's algorithm demo

---

Repeat until only one tree.

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



# Borůvka's algorithm demo

---

Repeat until only one tree.

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

