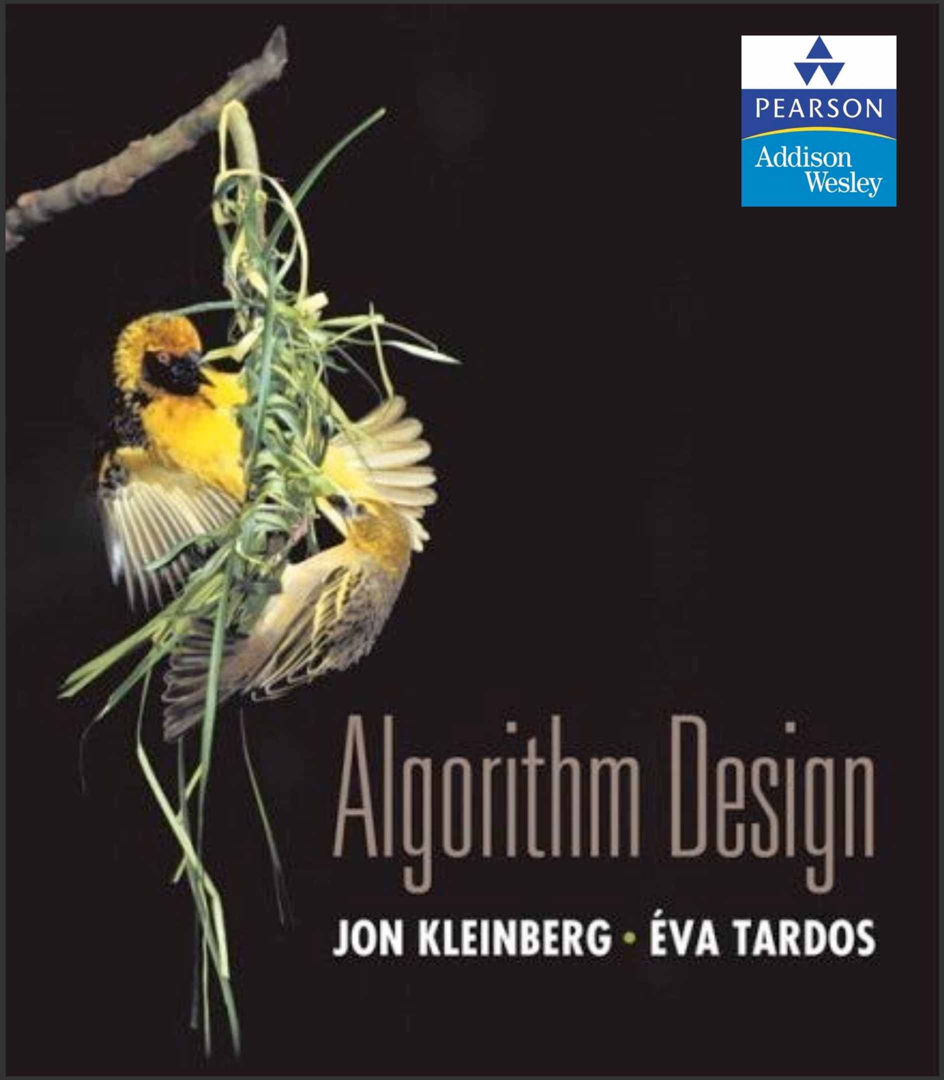


4. Greedy Algorithms II

- *Prim's algorithm demo*

Lecture slides by Kevin Wayne

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

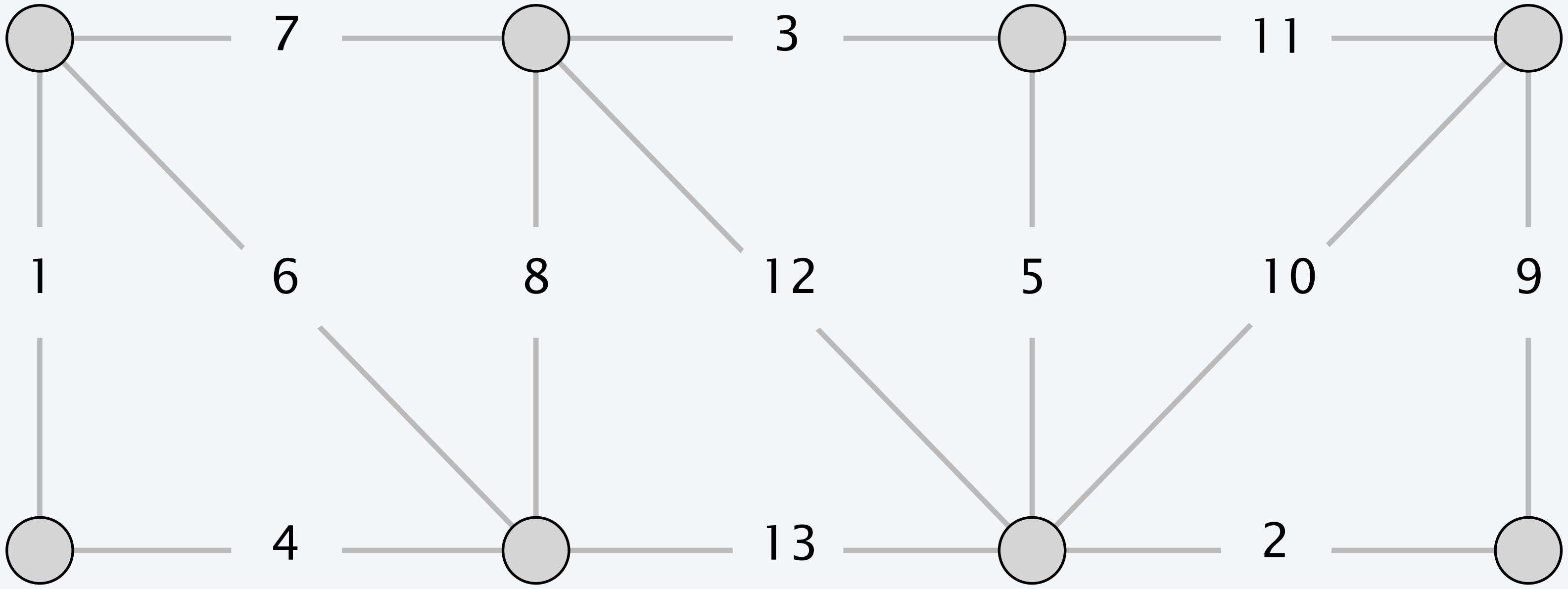
Last updated on 11/7/17 4:07 PM

Prim's algorithm demo

Initialize S = any node, $T = \varnothing$.

Repeat $n - 1$ times:

- Add to T a min-weight edge with one endpoint in S.
- Add new node to S.



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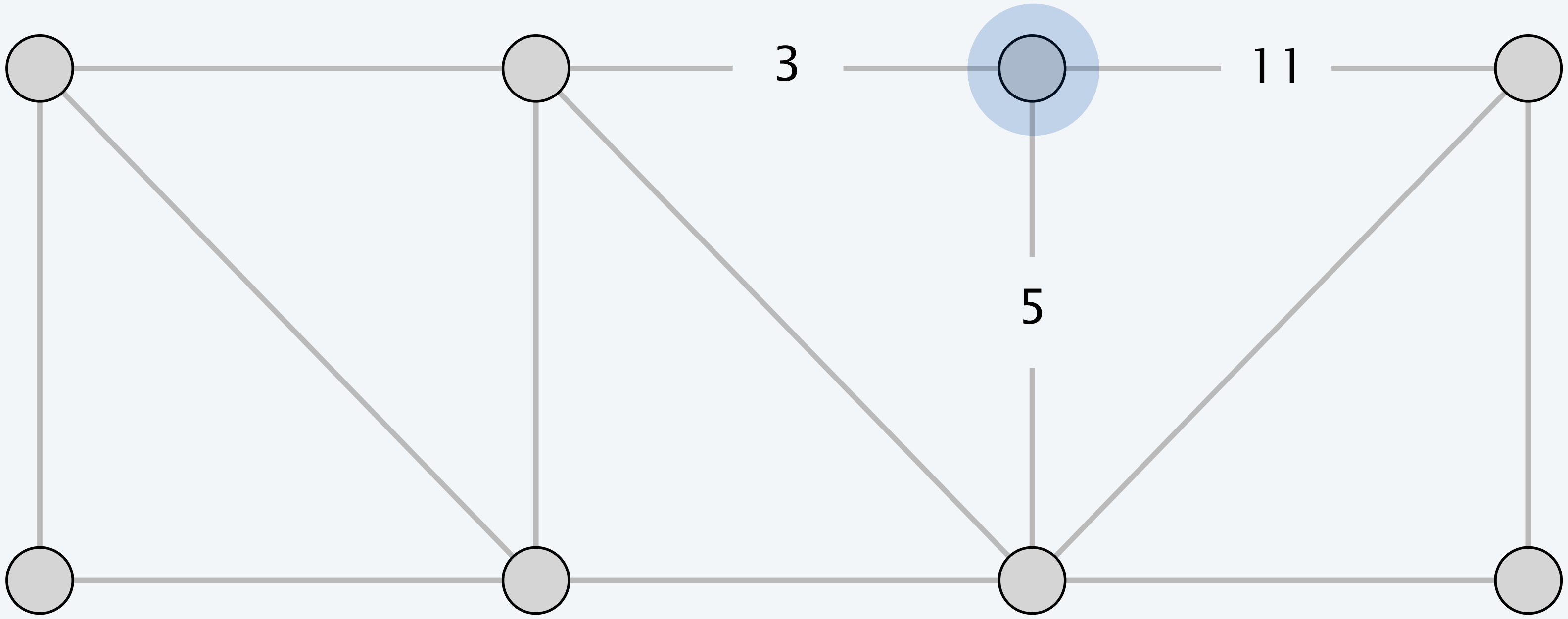

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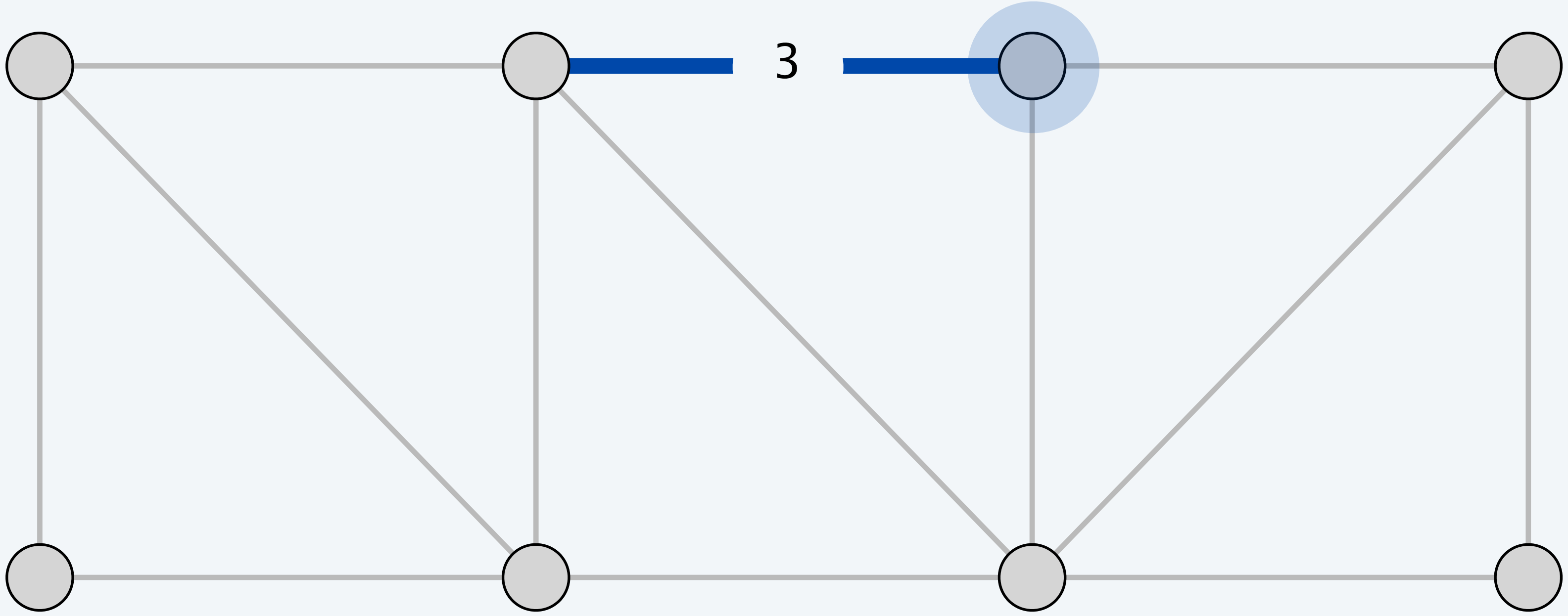

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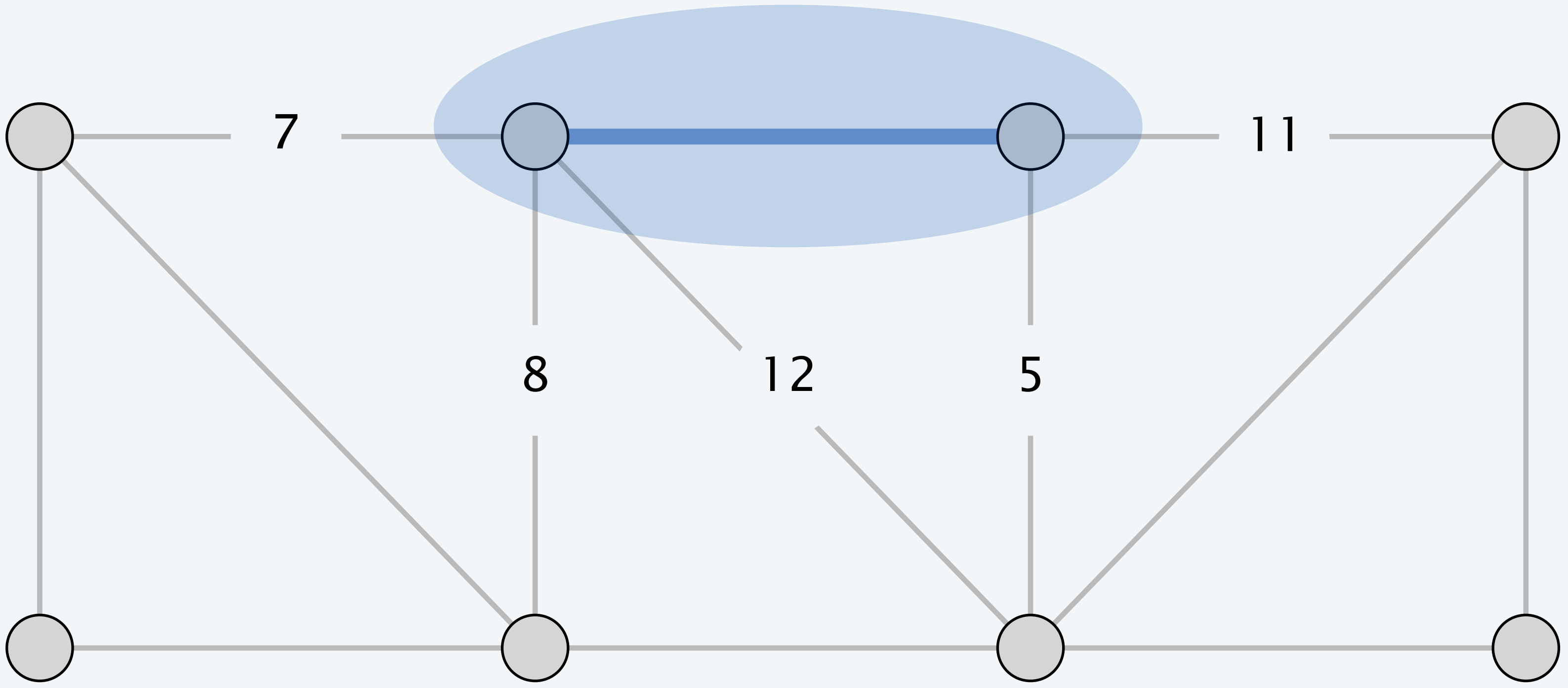

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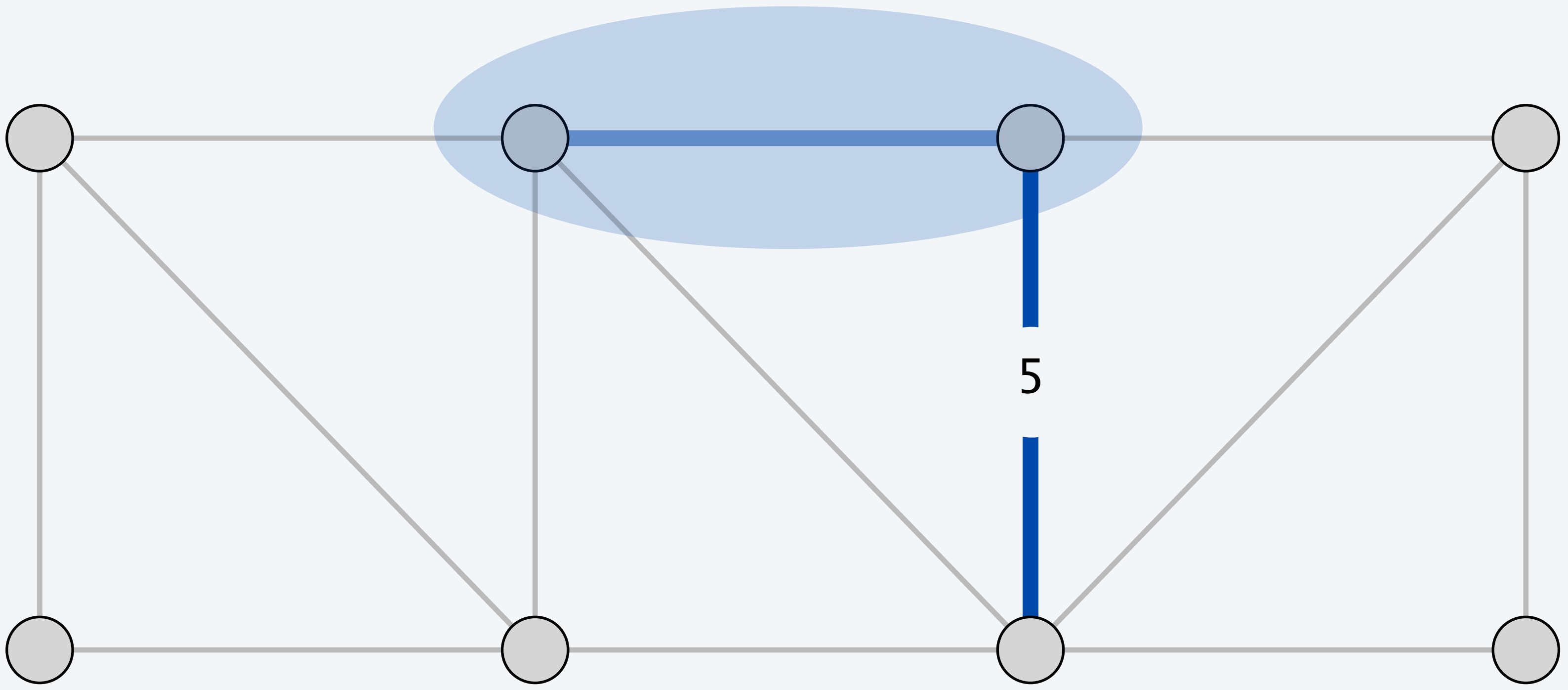

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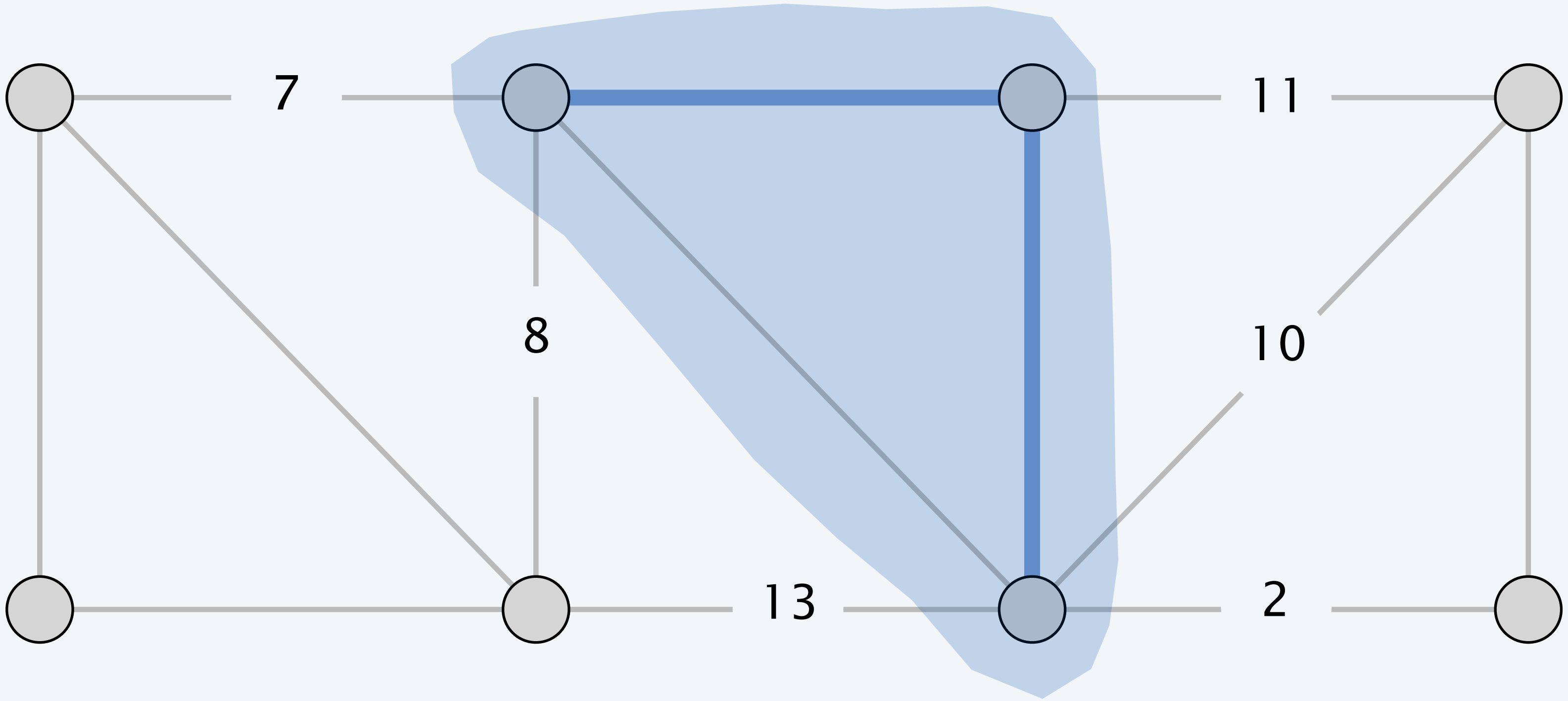

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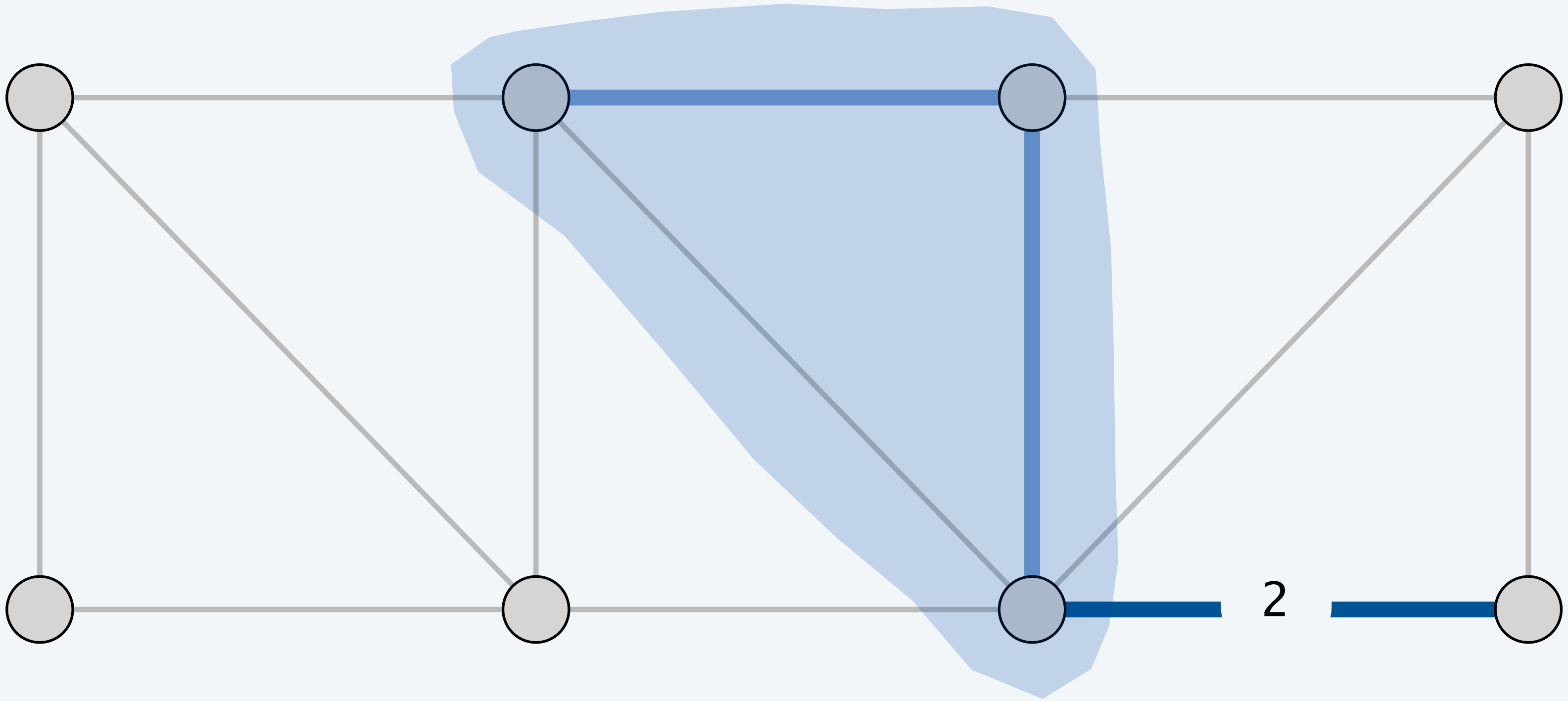

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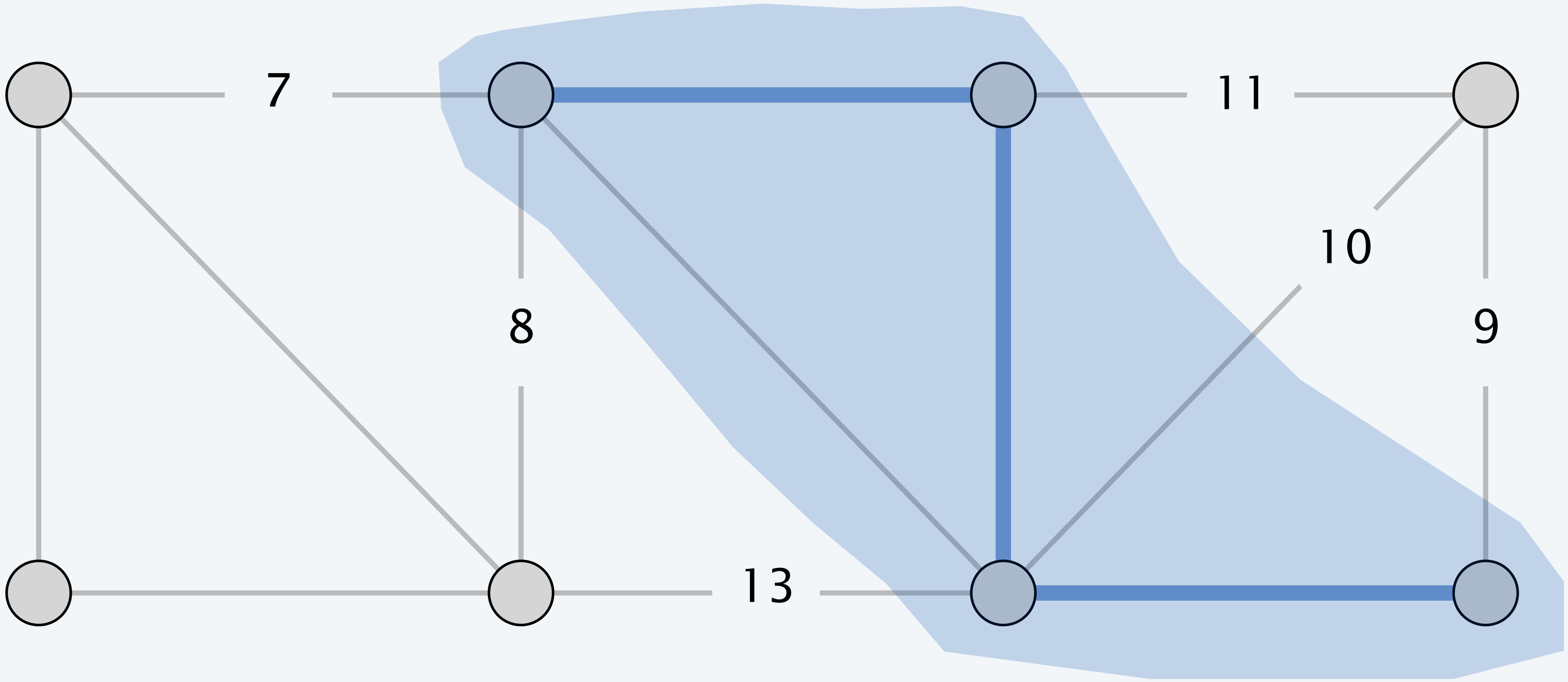

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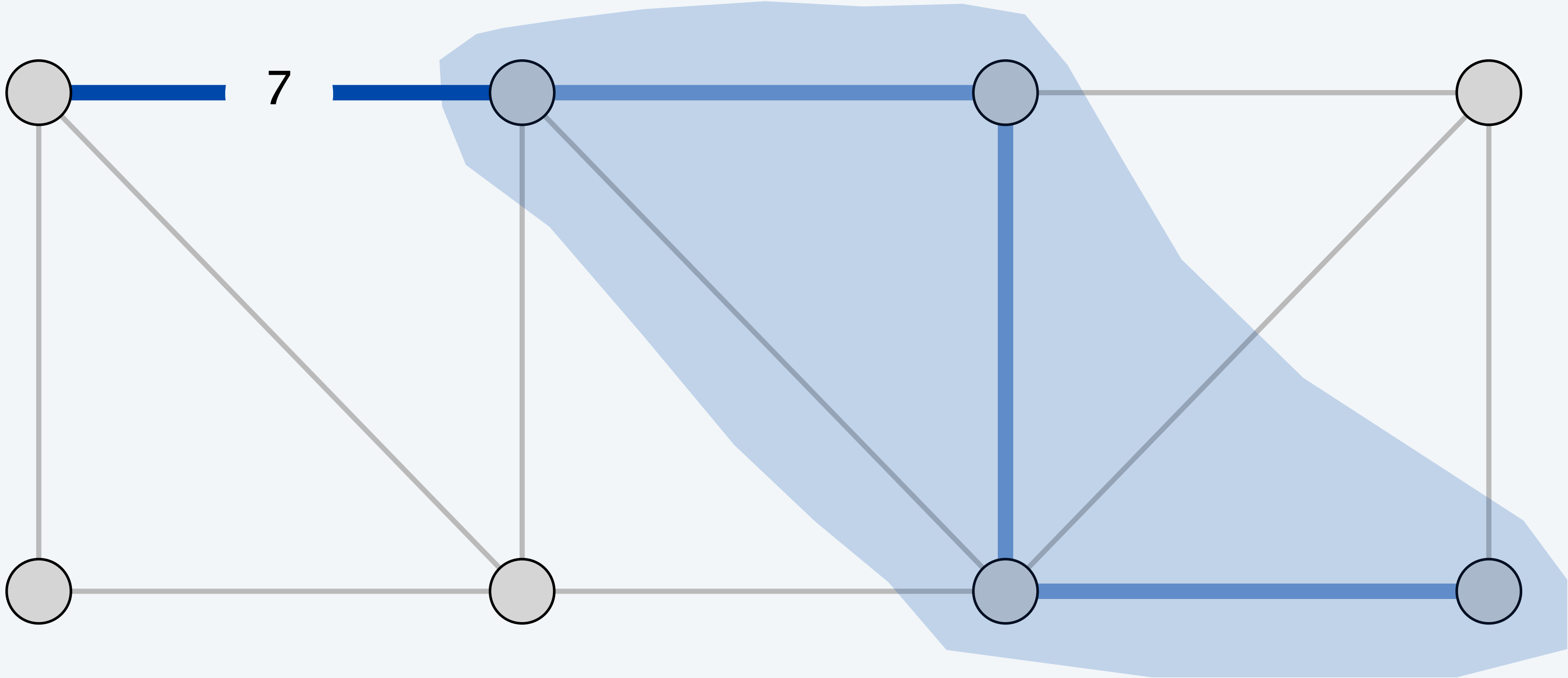

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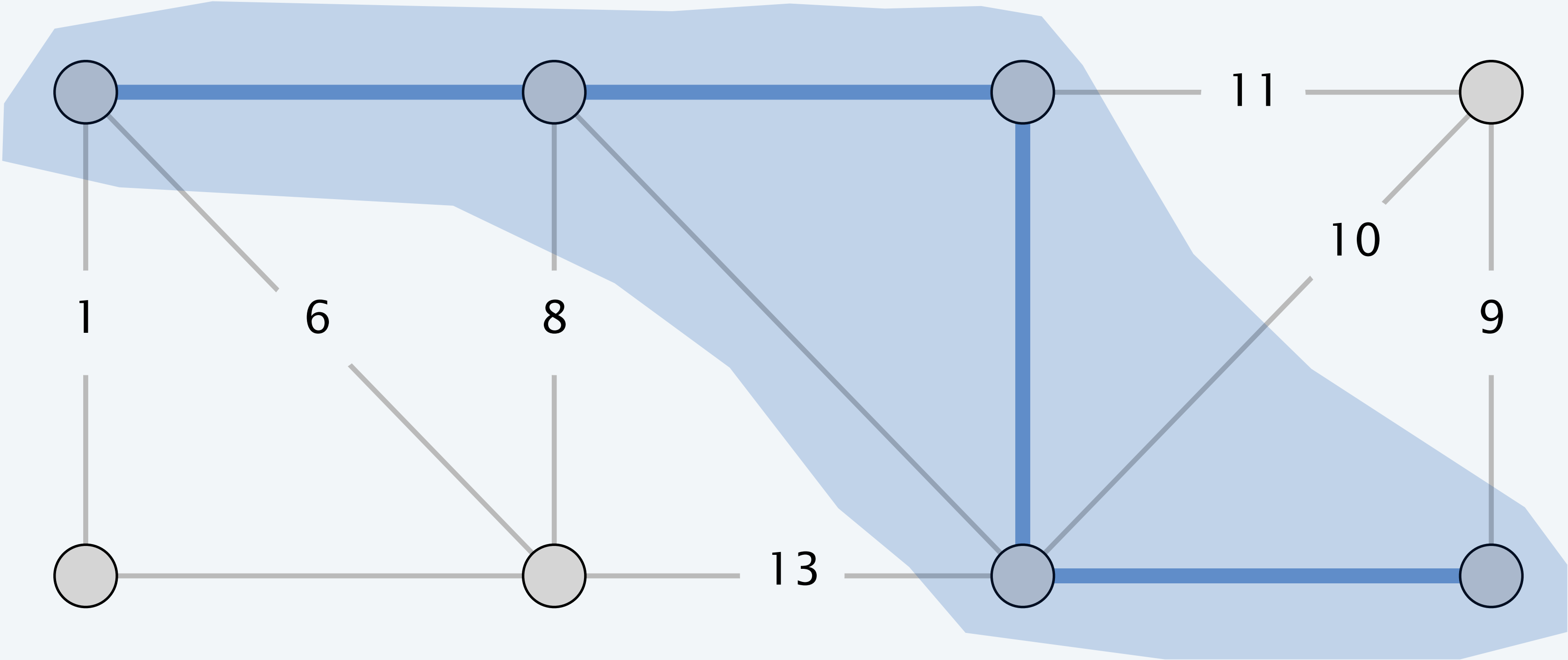

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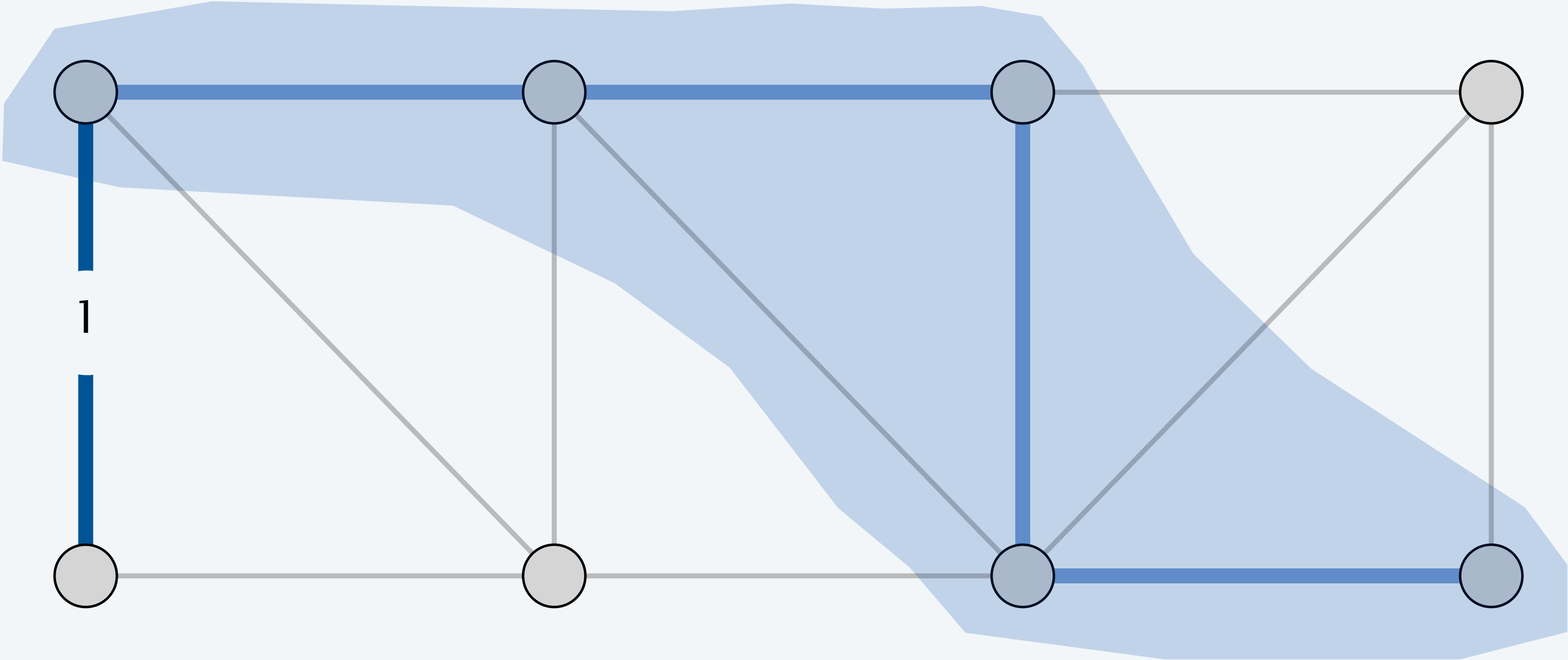

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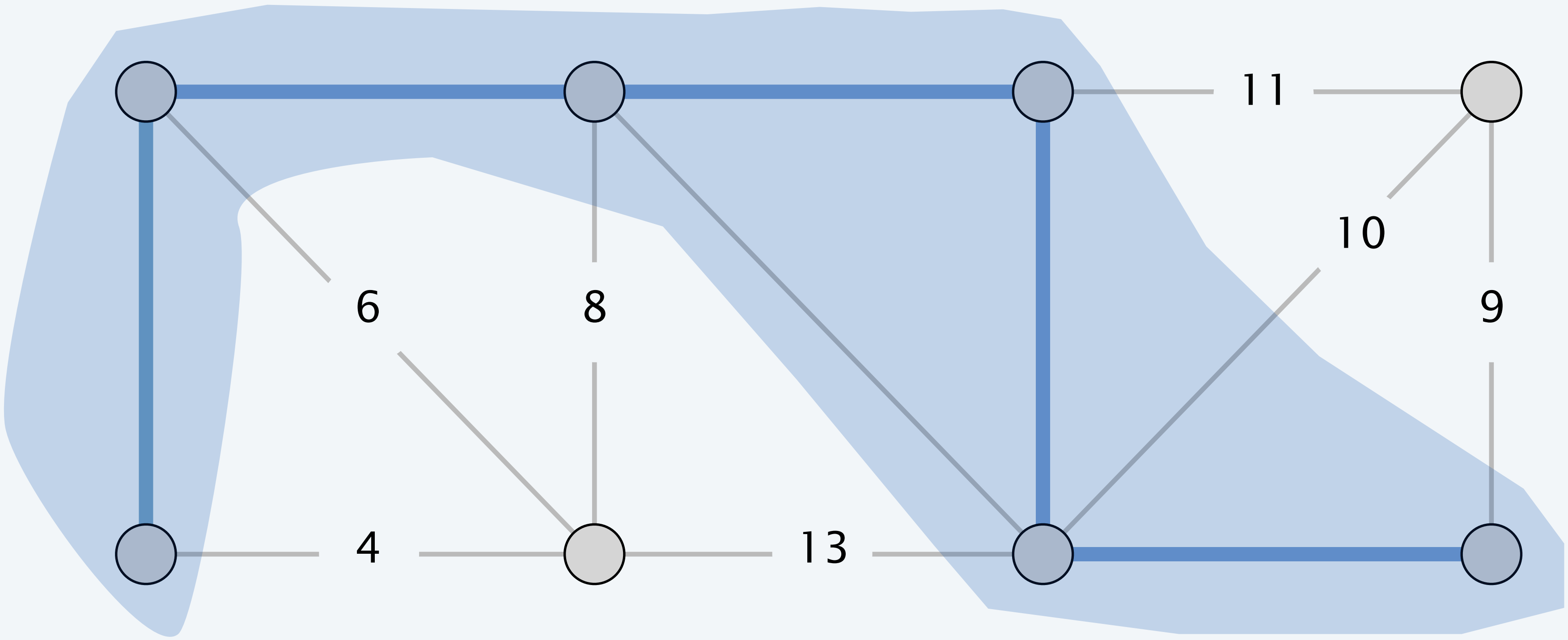

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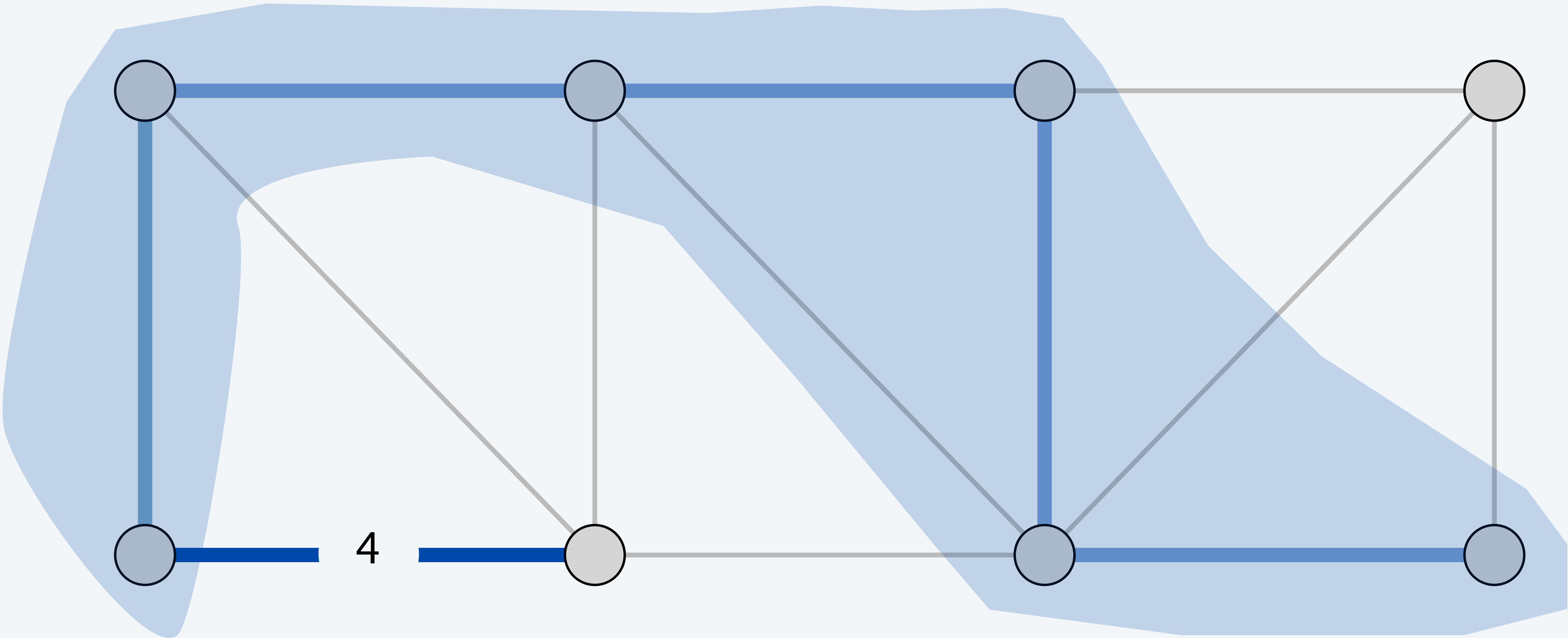

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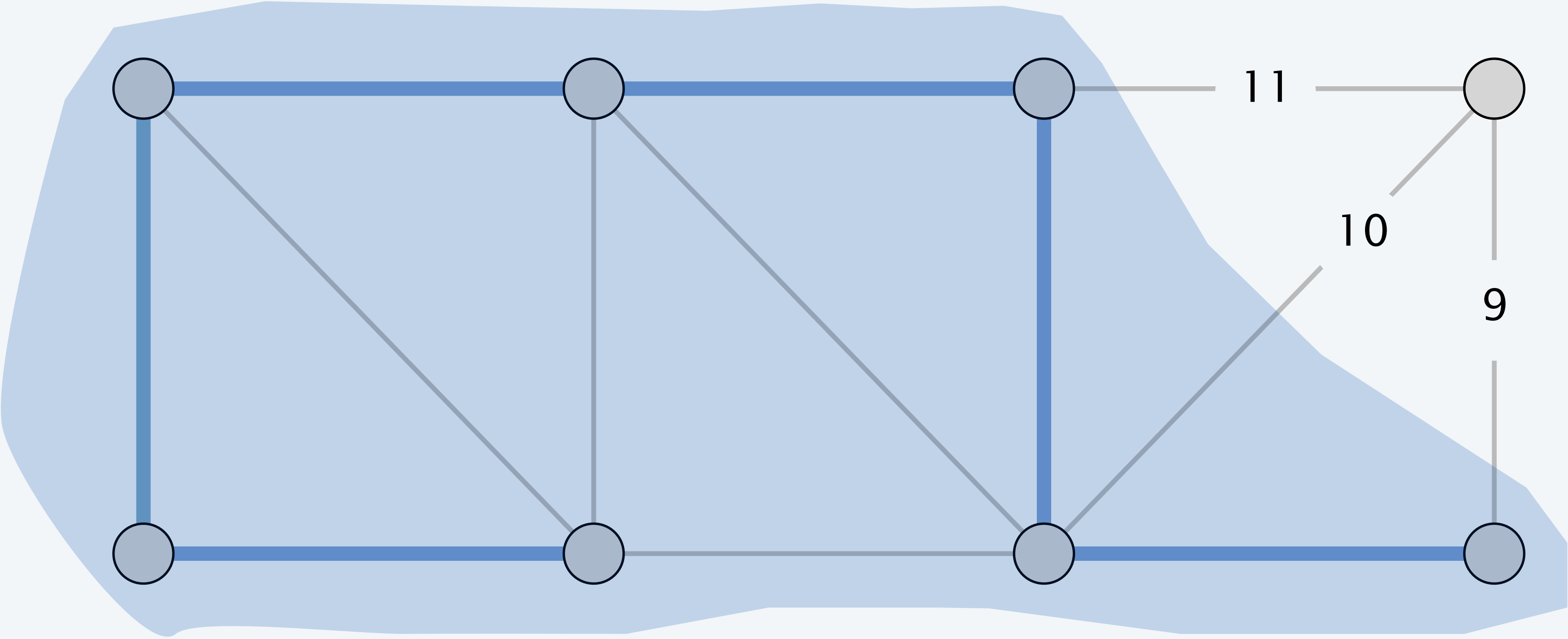

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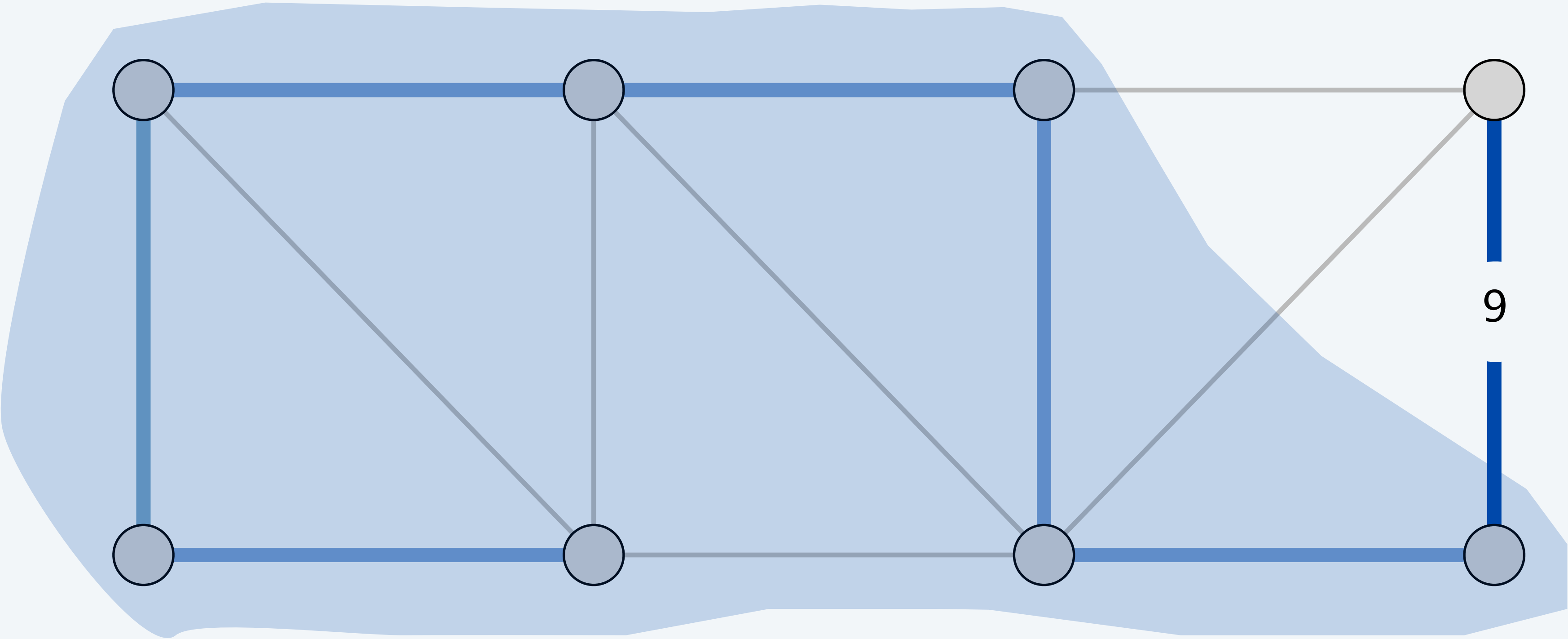

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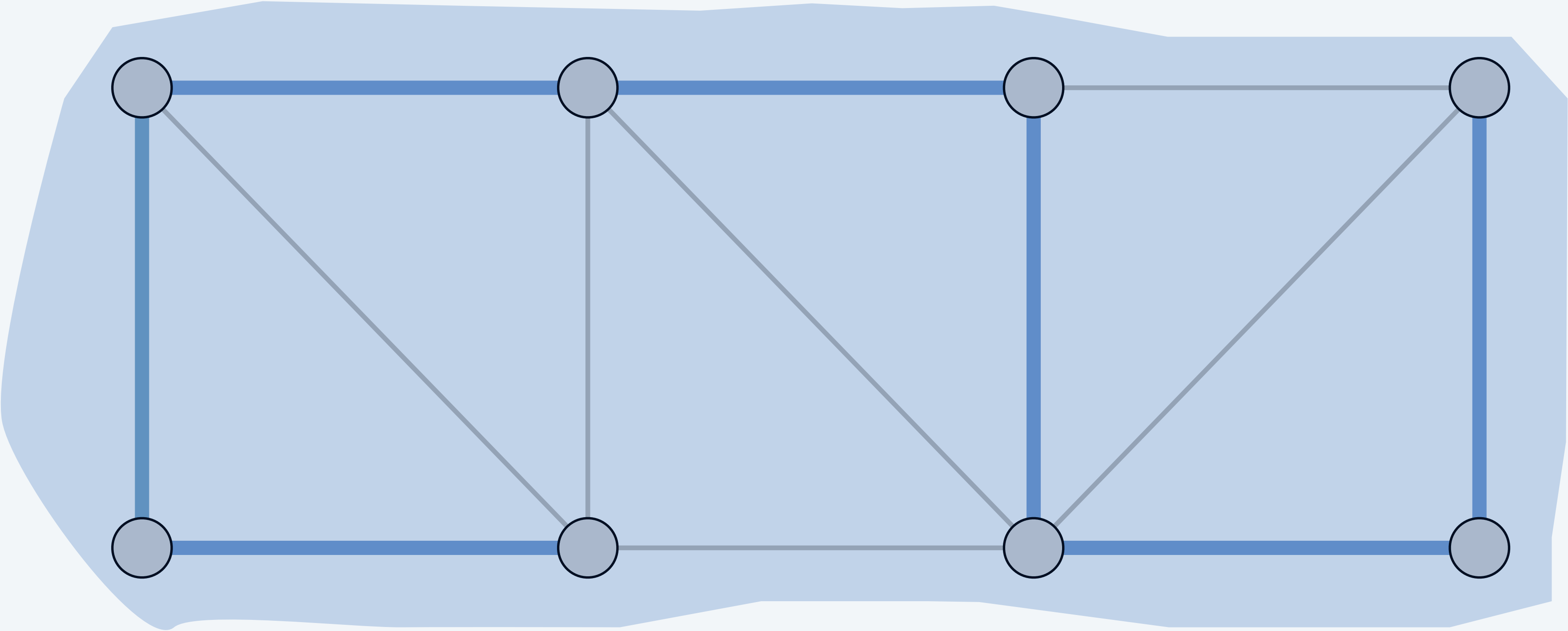

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