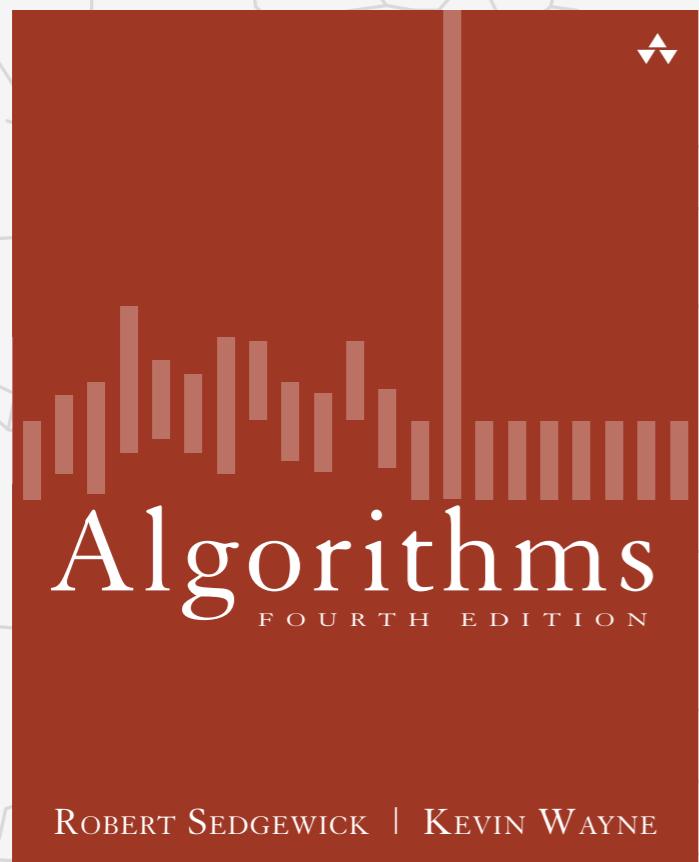


Algorithms

ROBERT SEDGEWICK | KEVIN WAYNE



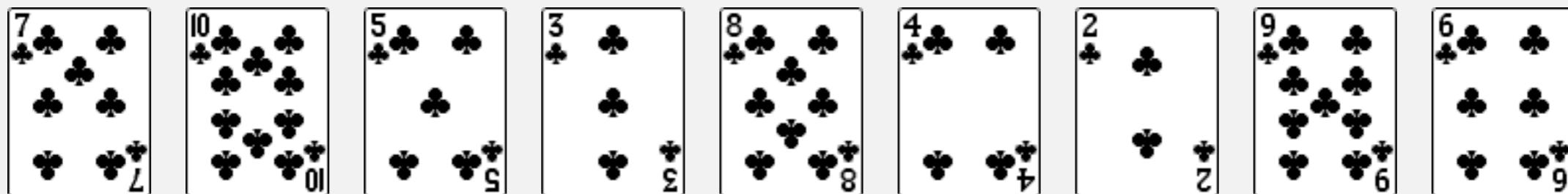
ROBERT SEDGEWICK | KEVIN WAYNE

<http://algs4.cs.princeton.edu>

2.1 SELECTION SORT DEMO

Selection sort demo

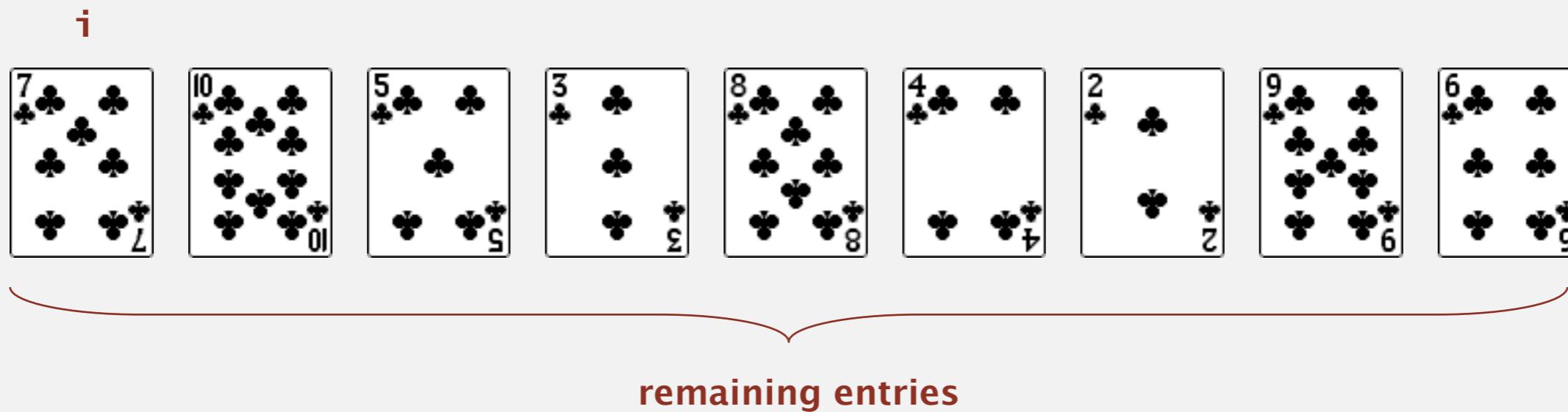
- In iteration i , find index min of smallest remaining entry.
- Swap $a[i]$ and $a[\text{min}]$.



initial

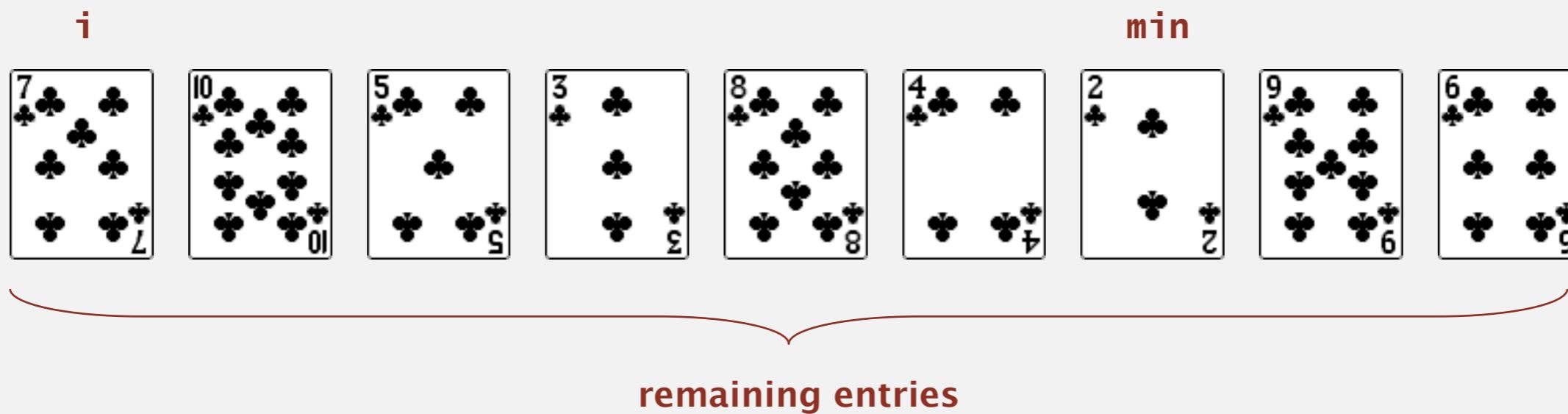
Selection sort demo

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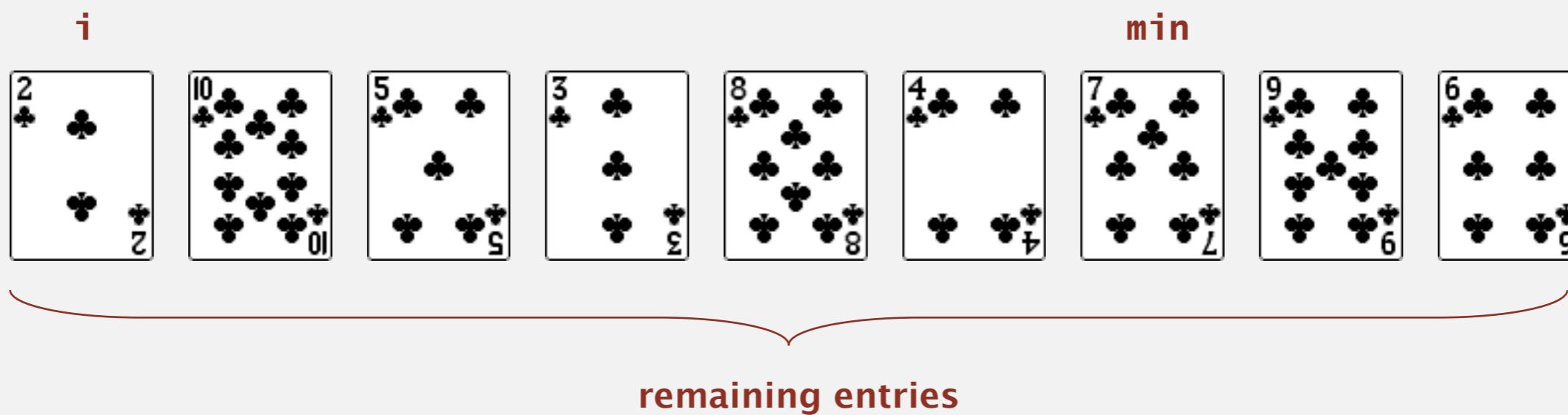
Selection sort demo

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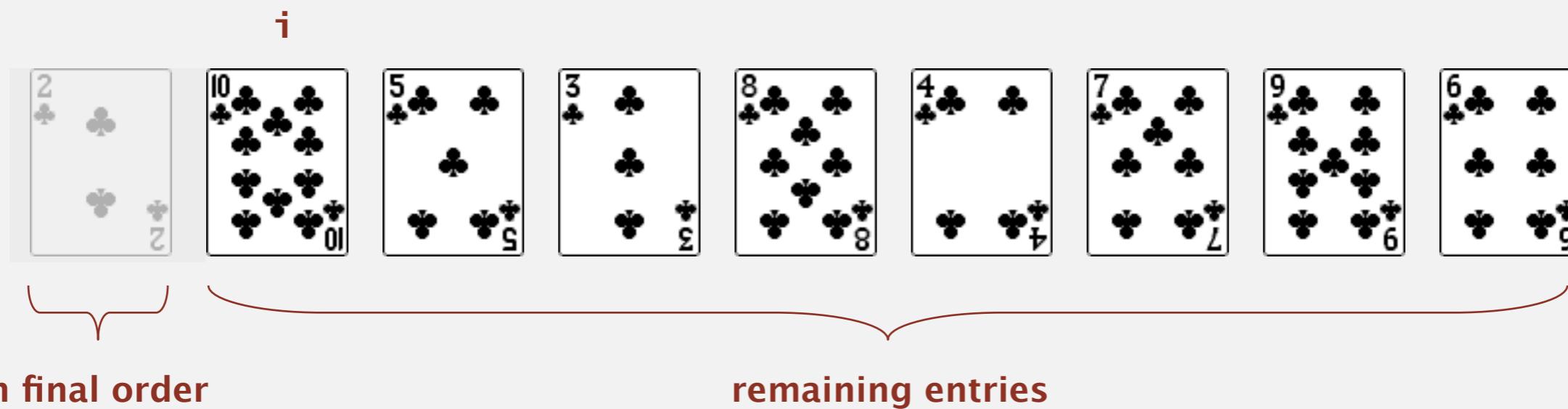
Selection sort demo

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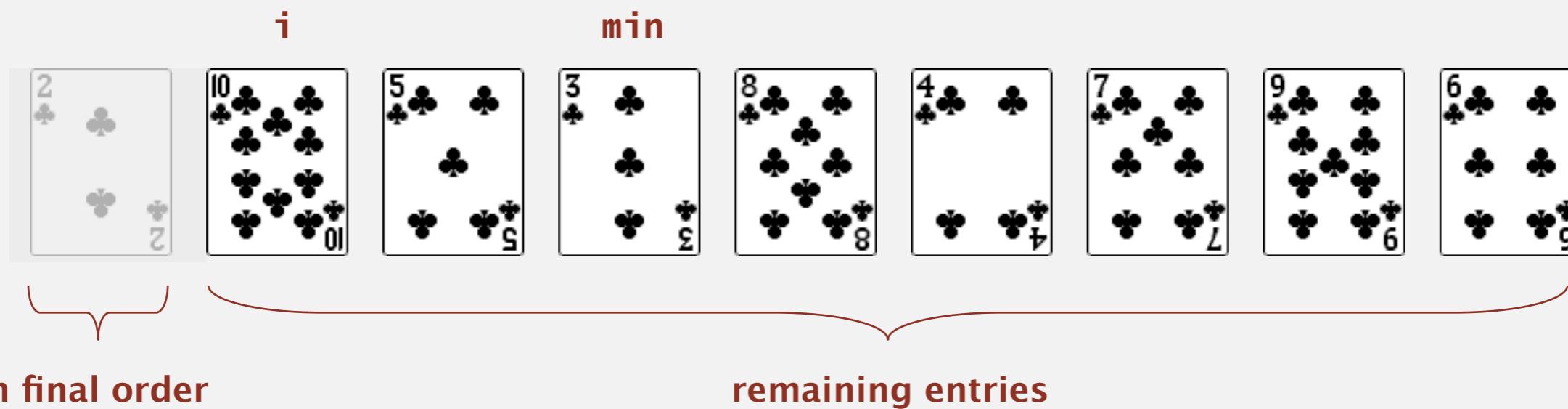
Selection sort demo

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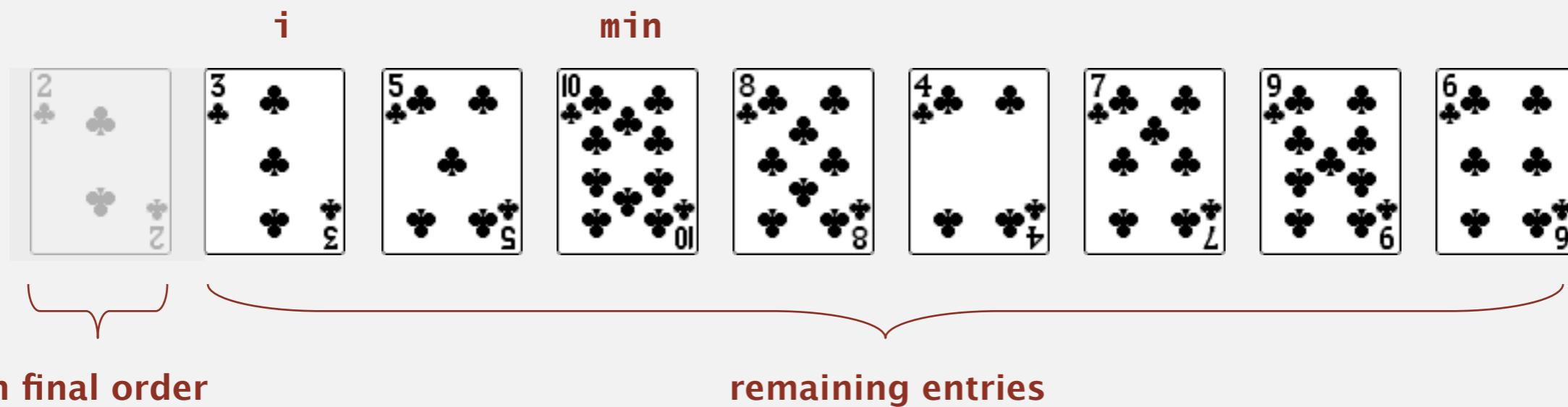
Selection sort demo

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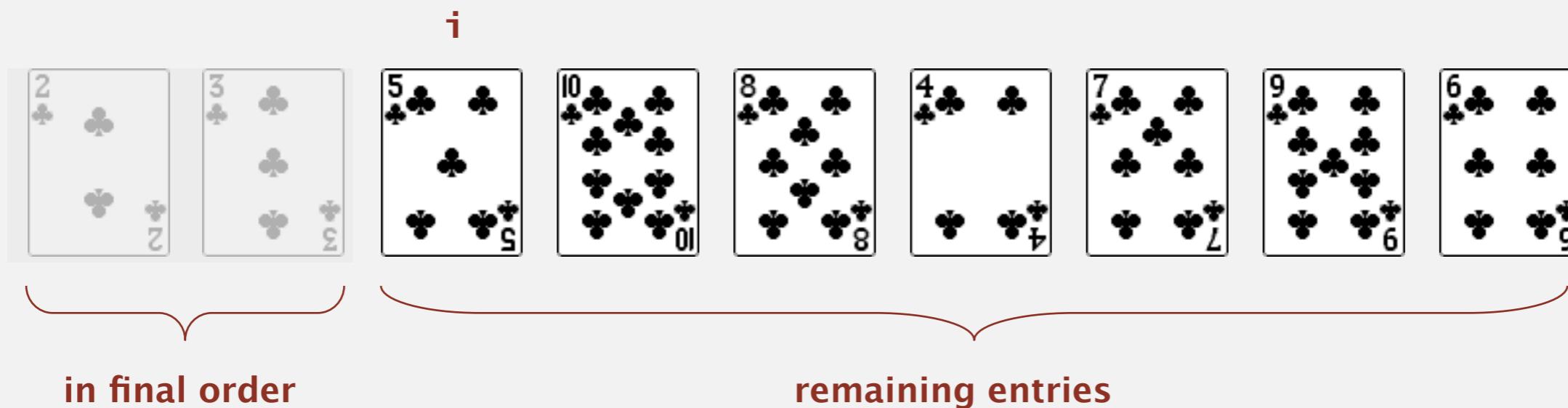
Selection sort demo

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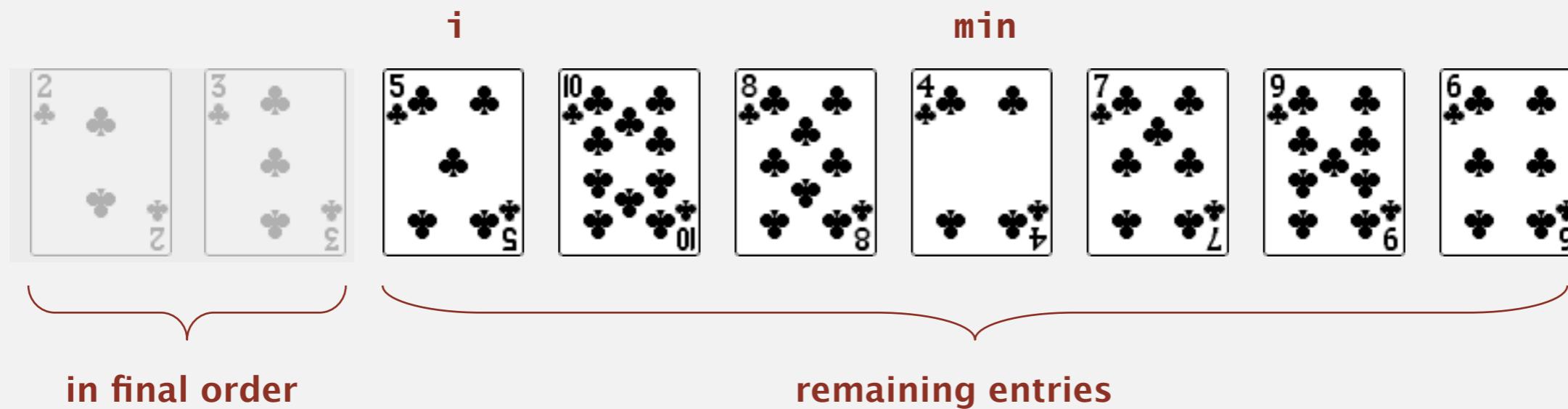
Selection sort demo

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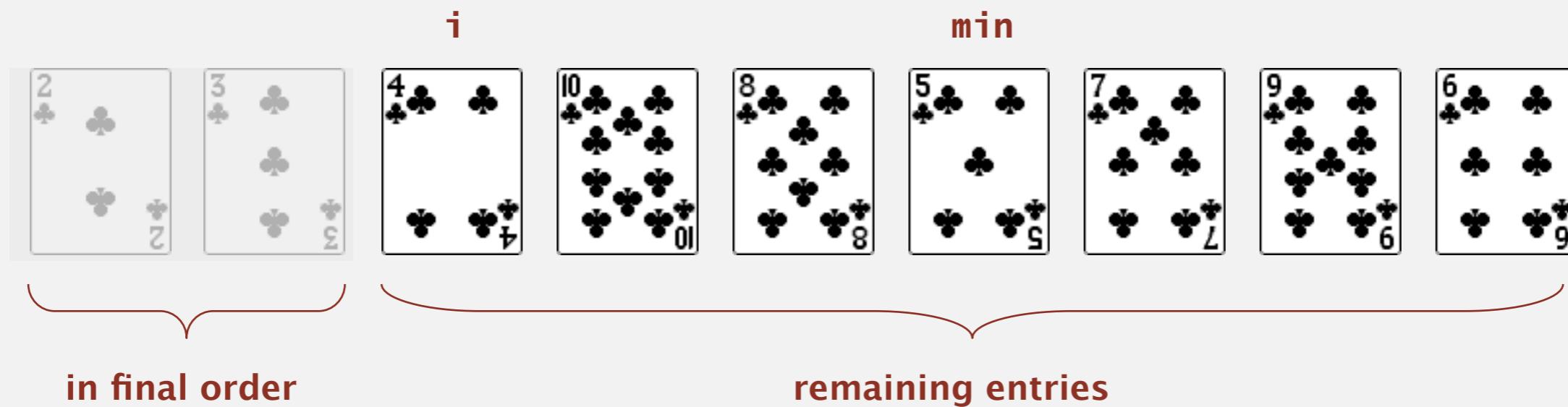
Selection sort demo

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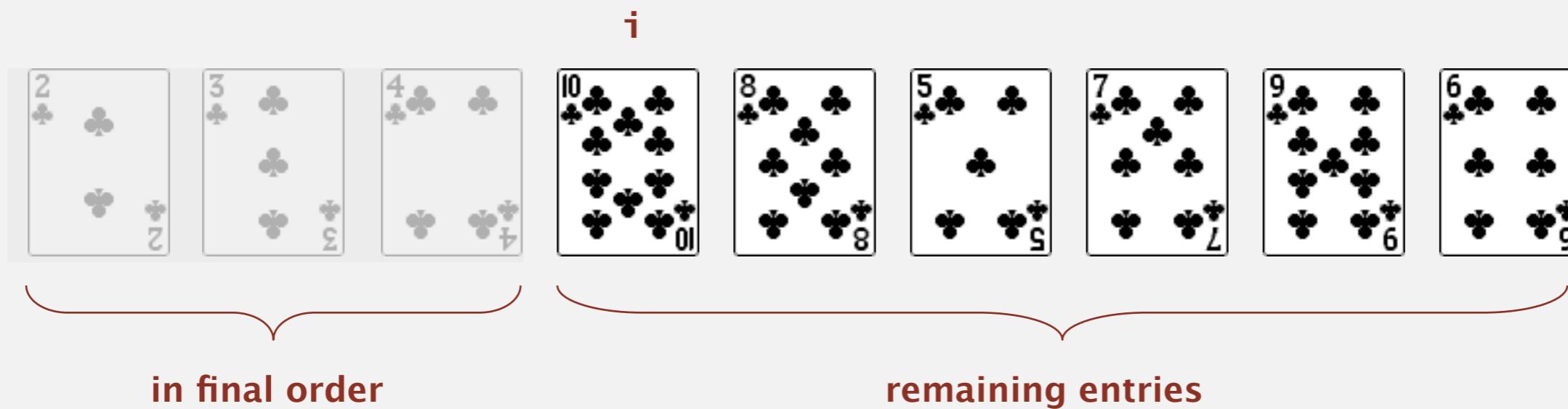
Selection sort demo

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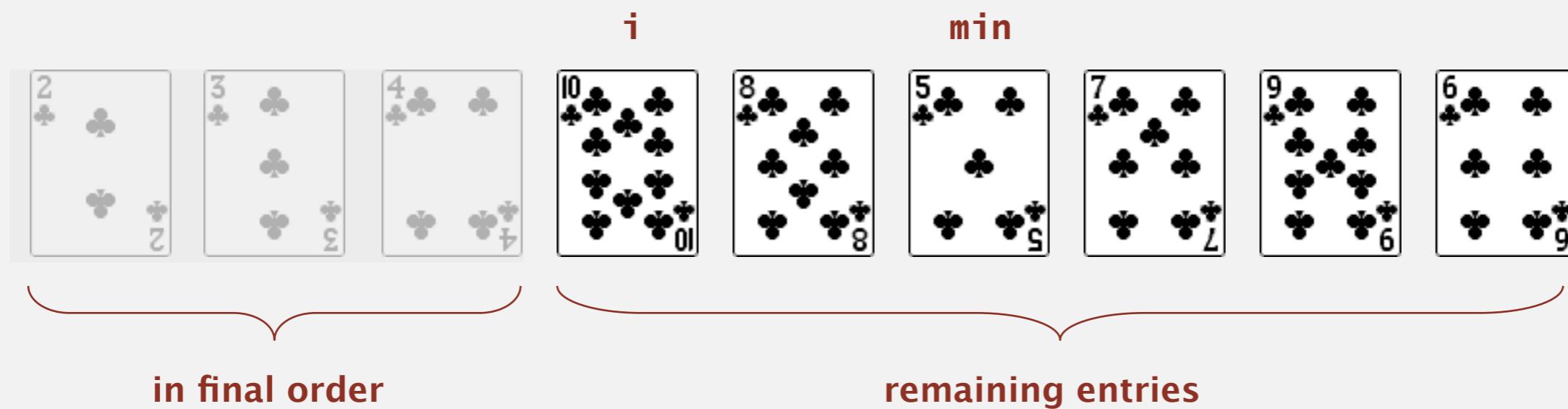
Selection sort demo

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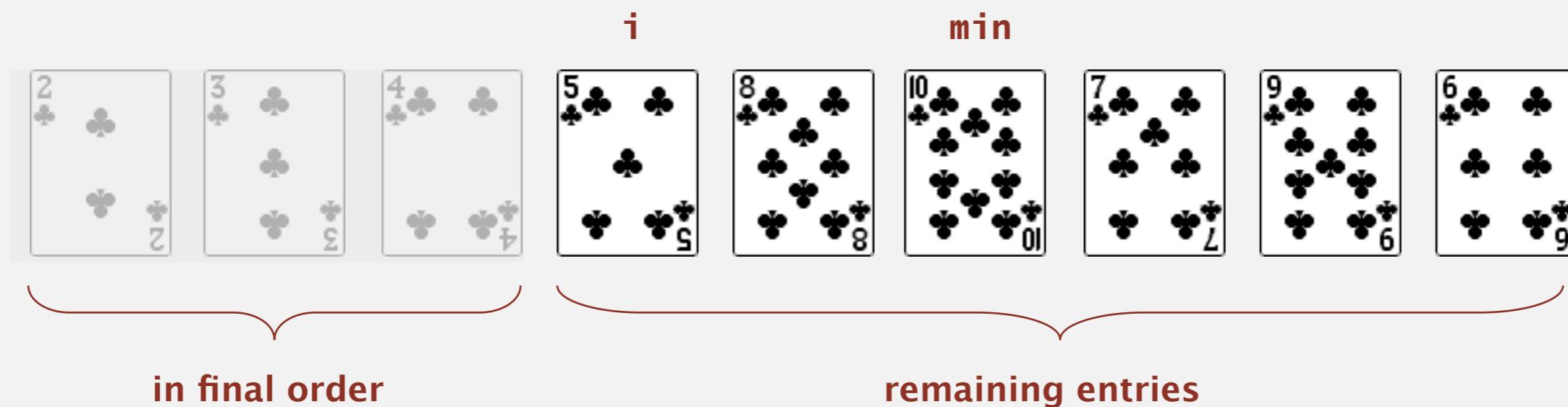
Selection sort demo

- In iteration i , find index min of smallest remaining entry.
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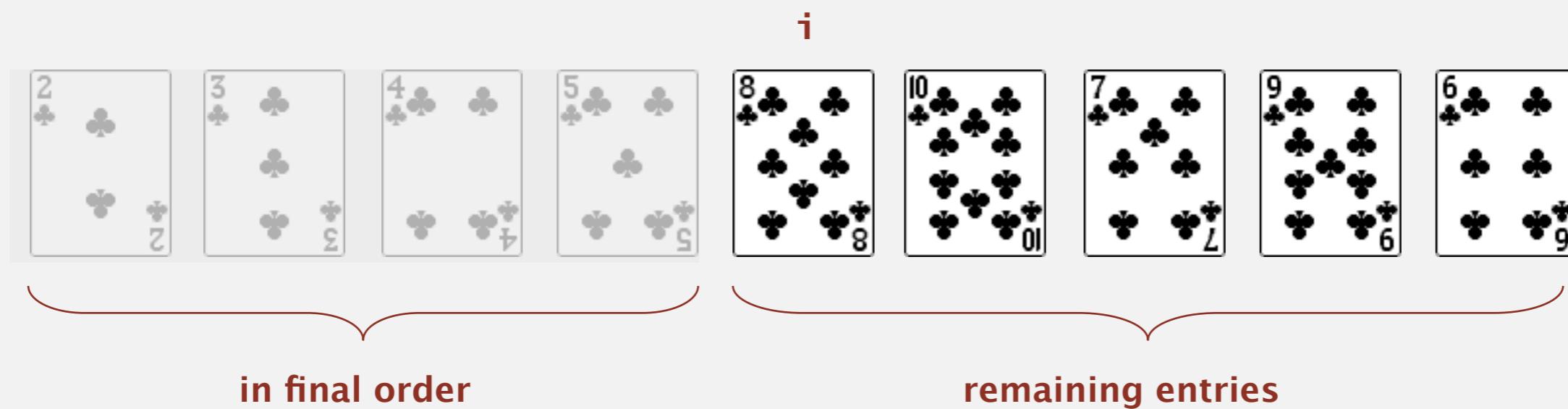
Selection sort demo

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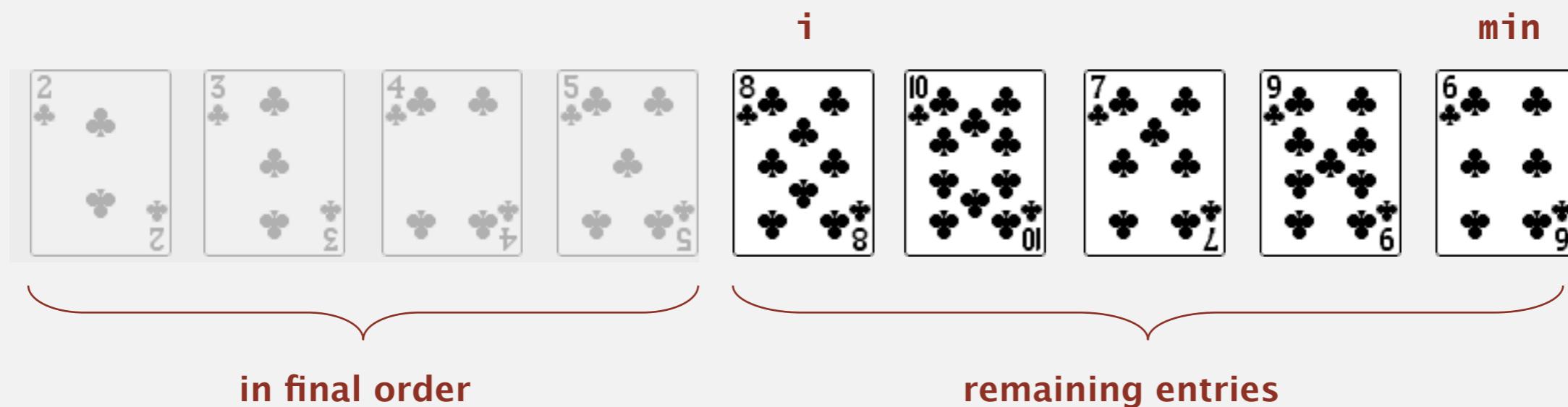
Selection sort demo

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 - Swap $a[i]$ and $a[\min]$.



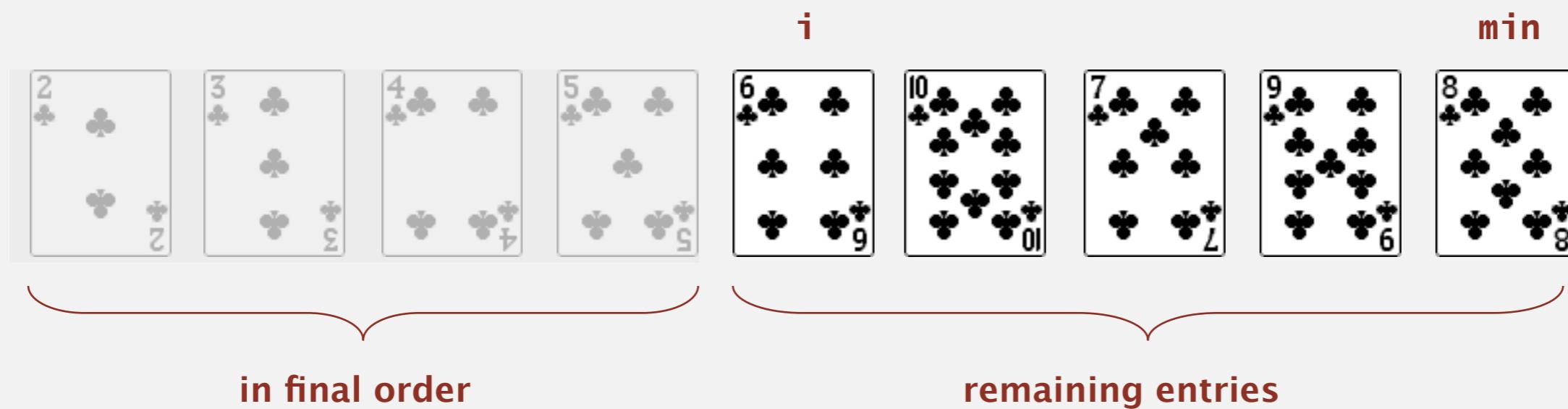
Selection sort demo

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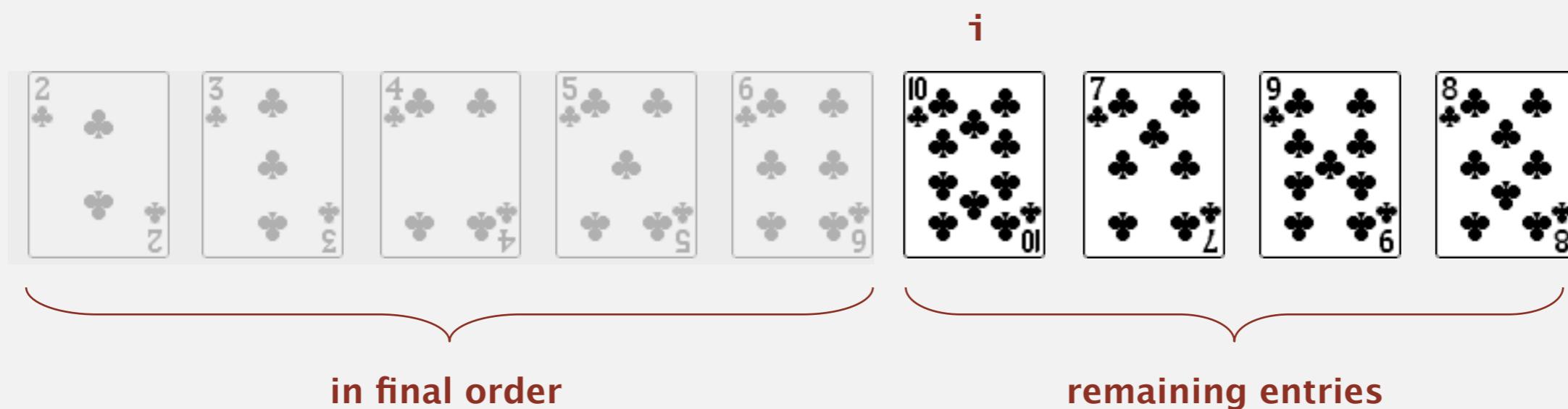
Selection sort demo

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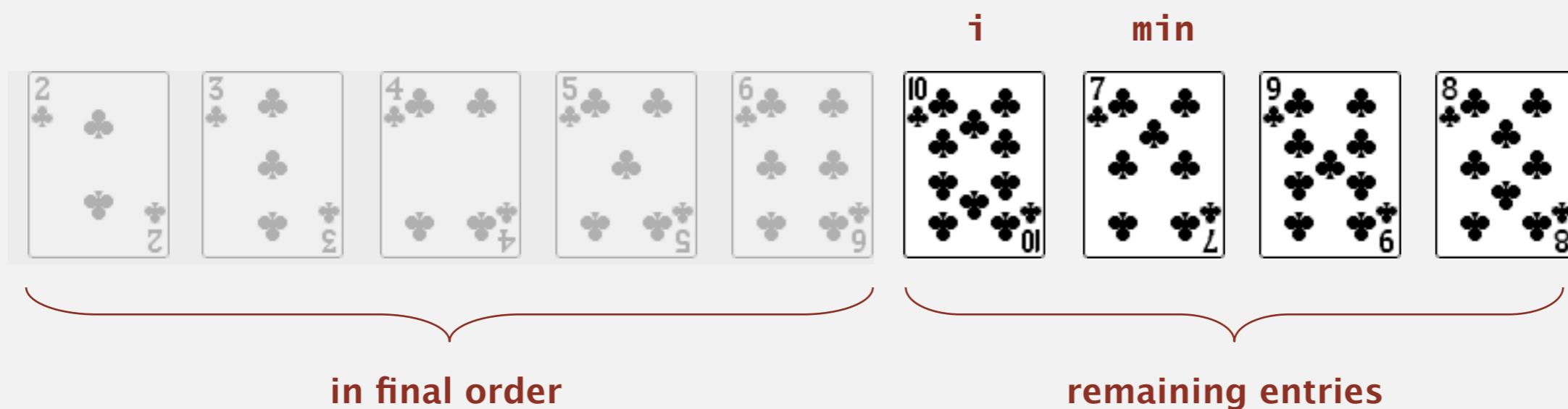
Selection sort demo

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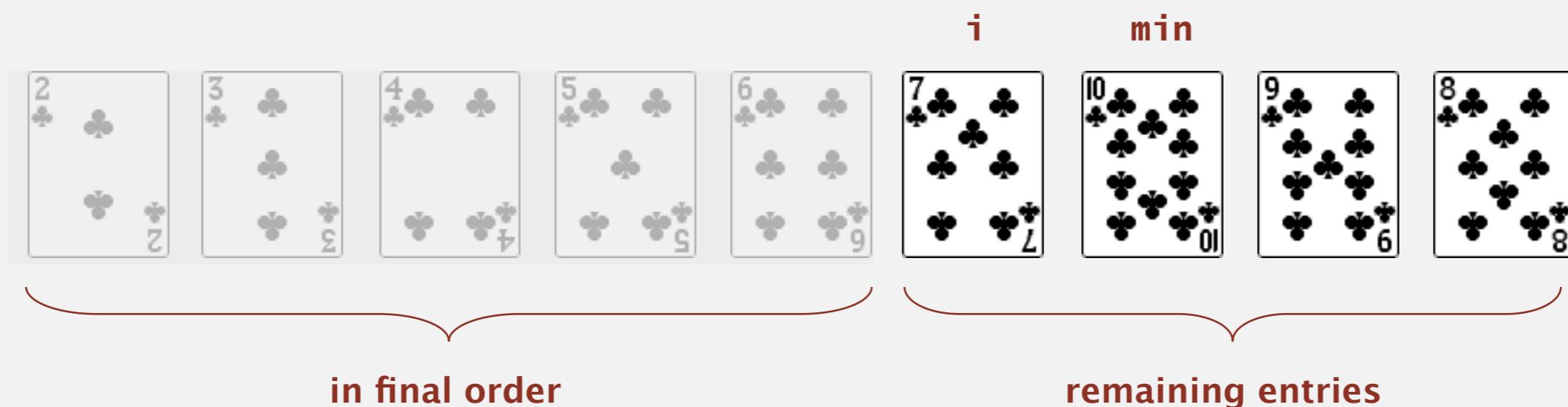
Selection sort demo

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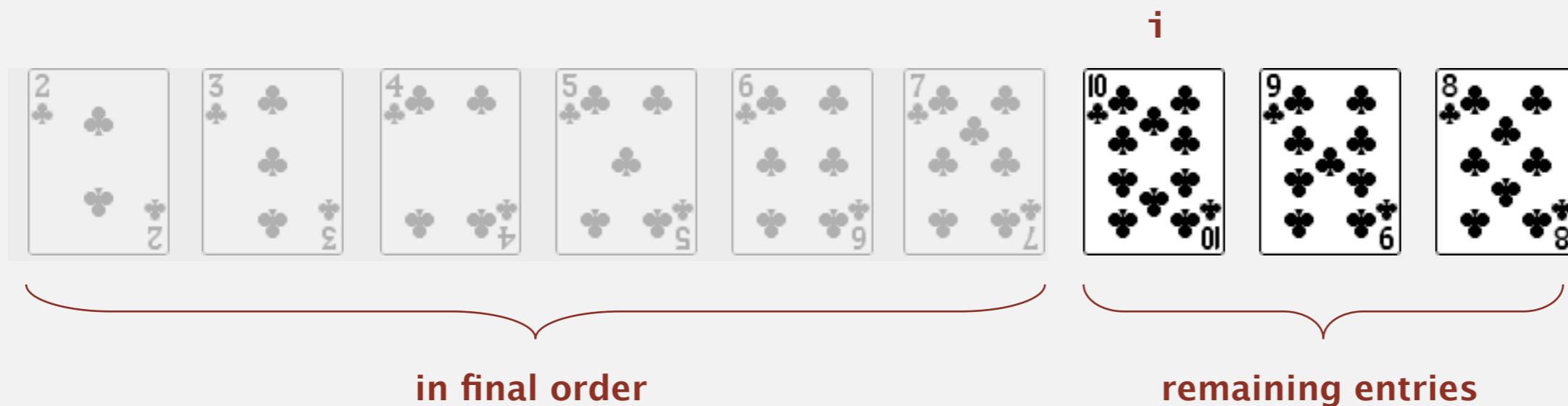
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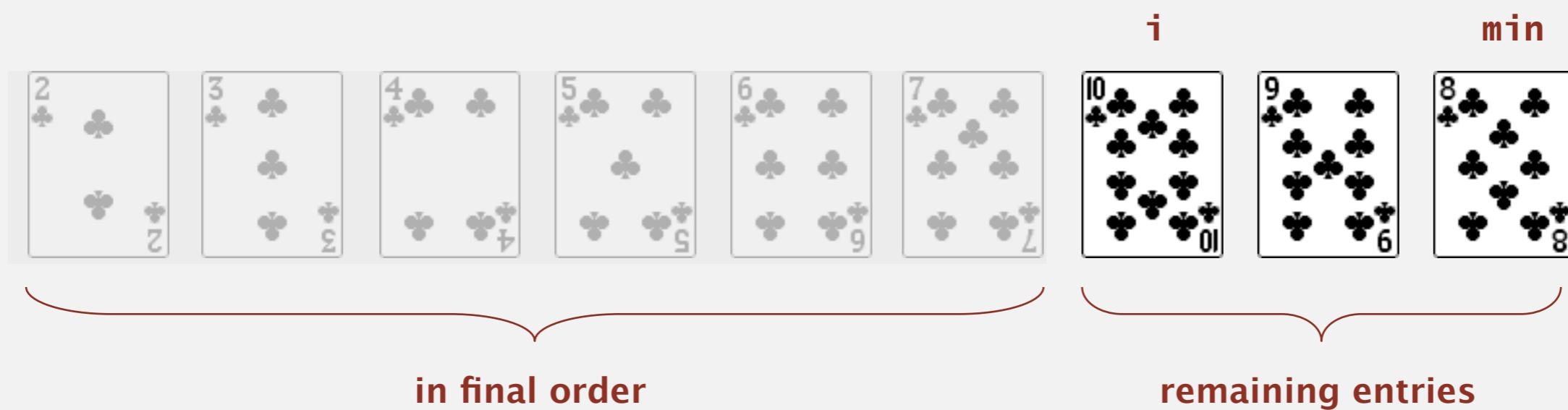
Selection sort demo

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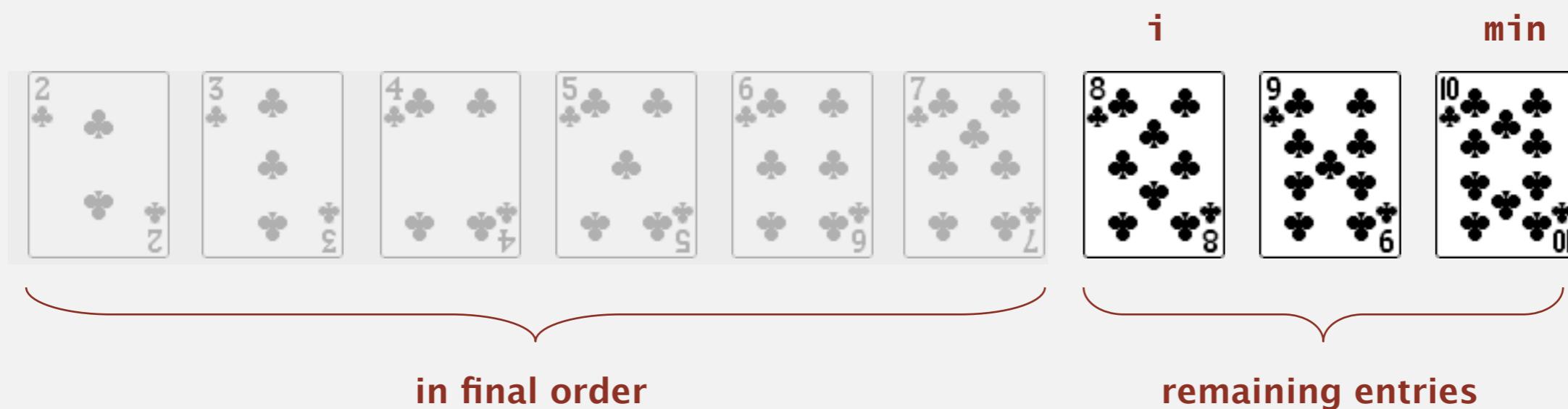
Selection sort demo

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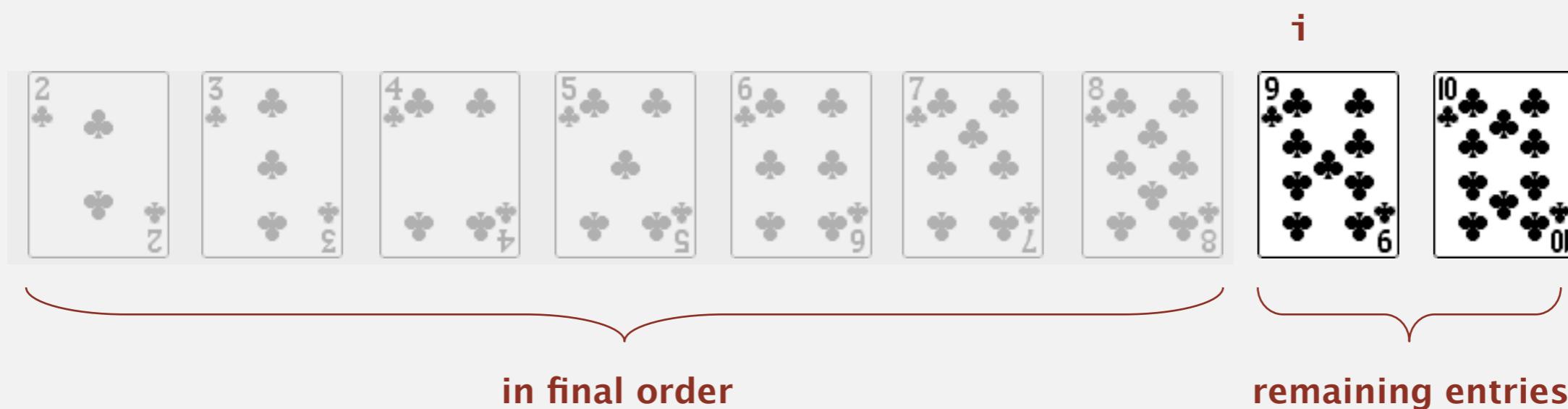
Selection sort demo

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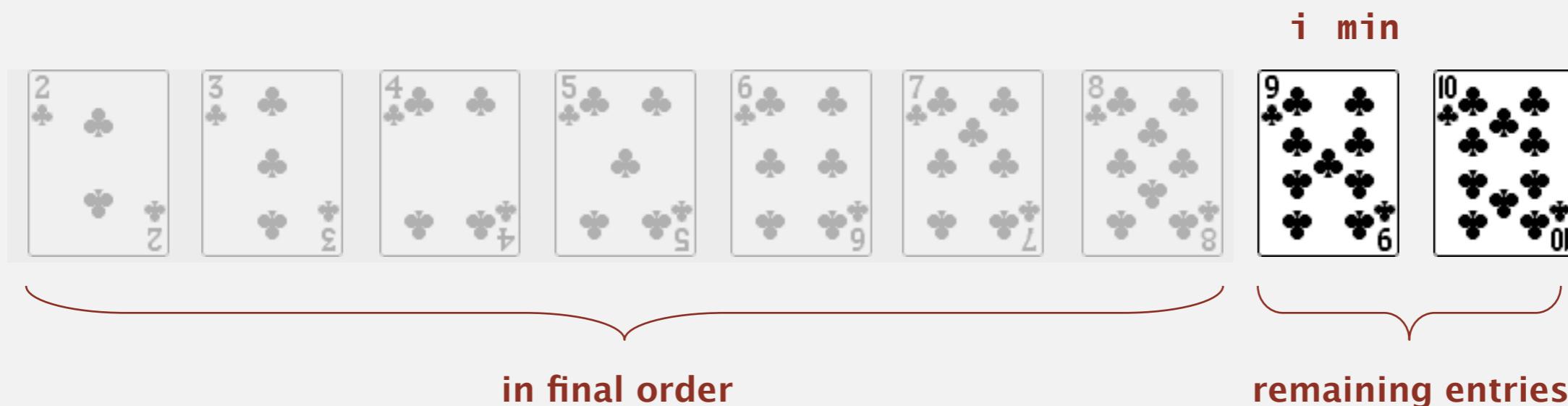
Selection sort demo

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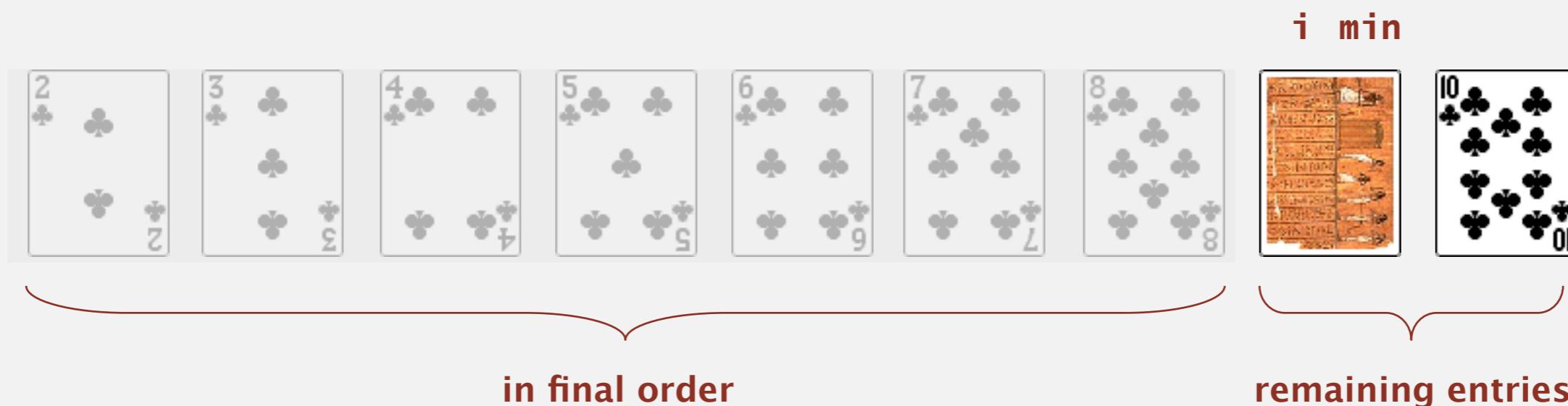
Selection sort demo

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Selection sort demo

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Selection sort demo

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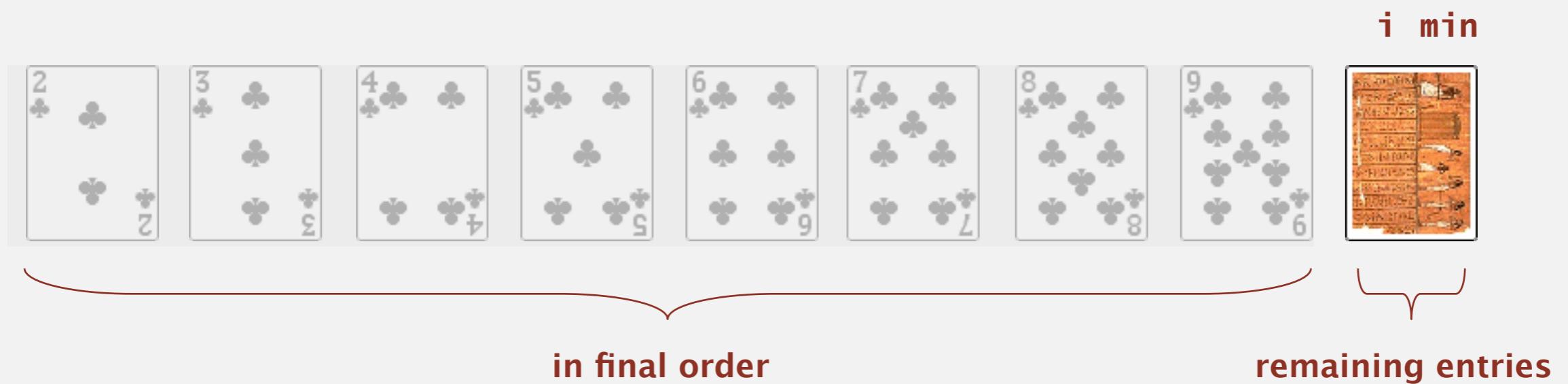
Selection sort demo

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Selection sort demo

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Selection sort demo

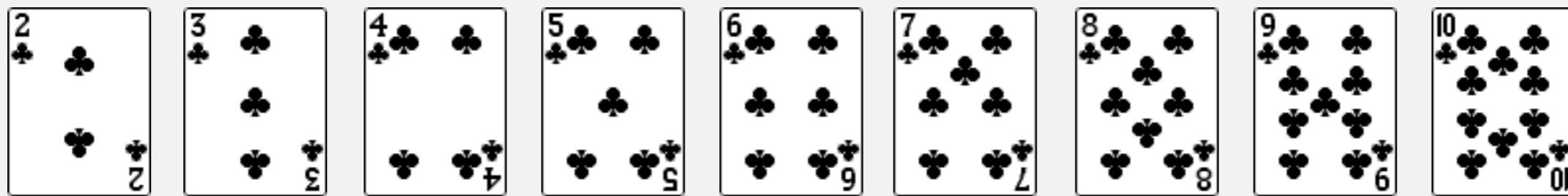
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in final order

Selection sort demo

- In iteration i , find index min of smallest remaining entry.
- Swap $a[i]$ and $a[\text{min}]$.



sorted