Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}

♠	Lauren
♥	Delbert
♦	Glaser
♣	Edith
♠	JS
♦	Sandra
♥	Swimp
♥	James
♣	Lee
♥	Dave
♣	Bearman
♦	Lisa

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Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}

♠	Lauren
♥	Delbert
♦	Glaser
♣	Edith
♠	JS
♦	Sandra
♥	Swimp
♥	James
♣	Lee
♥	Dave
♣	Bearman
♦	Lisa

0	♣	3
1	♠	2
2	♥	4
3	♦	3

Counts

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Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}

♠	Lauren
♥	Delbert
♦	Glaser
♣	Edith
♠	JS
♦	Sandra
♥	Swimp
♥	James
♣	Lee
♥	Dave
♣	Bearman
♦	Lisa

→

0	♣	3
1	♠	2
2	♥	4
3	♦	3

Counts

→

0	♣	0
1	♠	3
2	♥	5
3	♦	9

Starting Points

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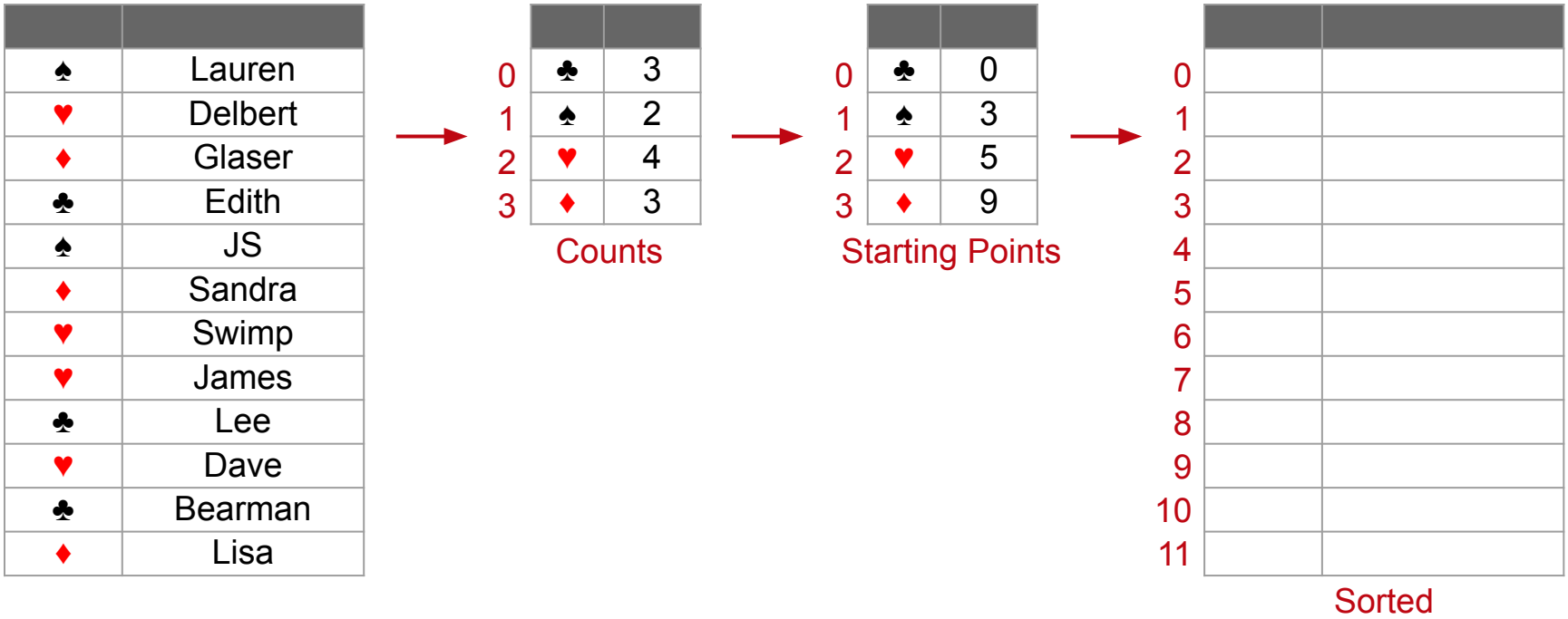
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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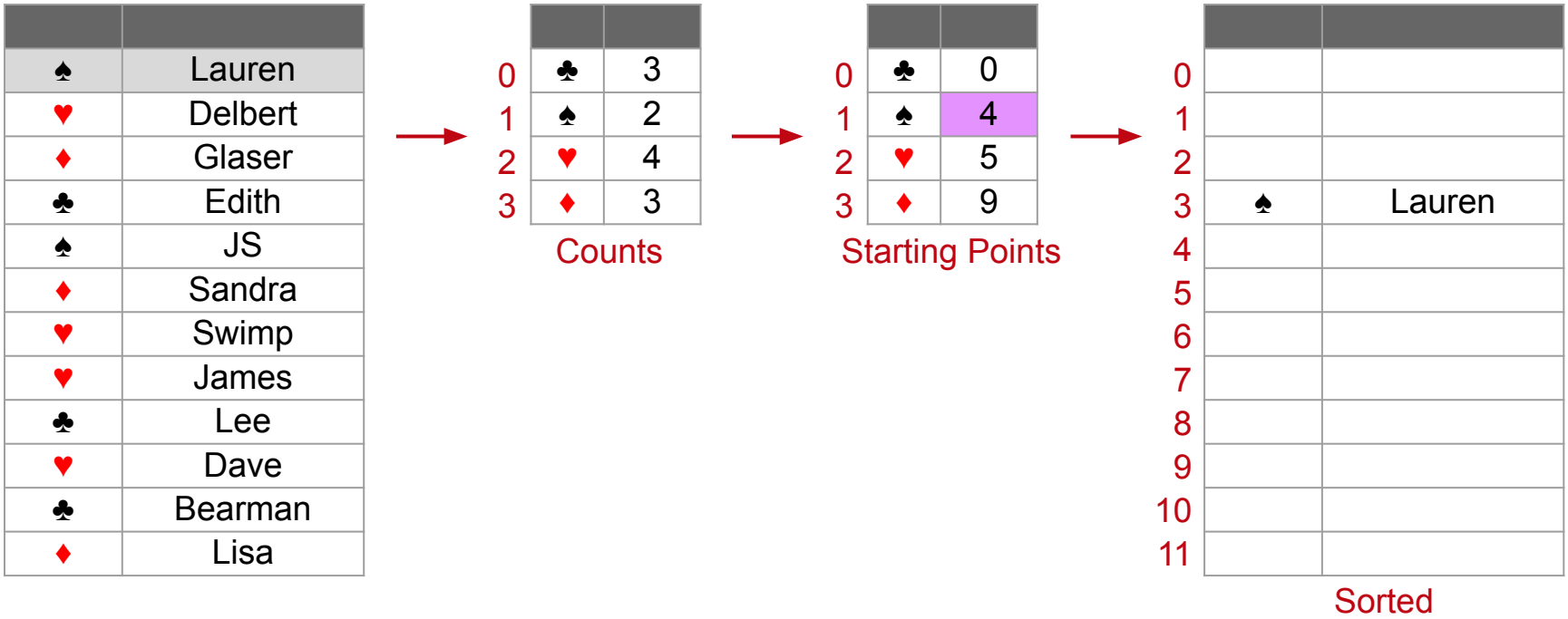
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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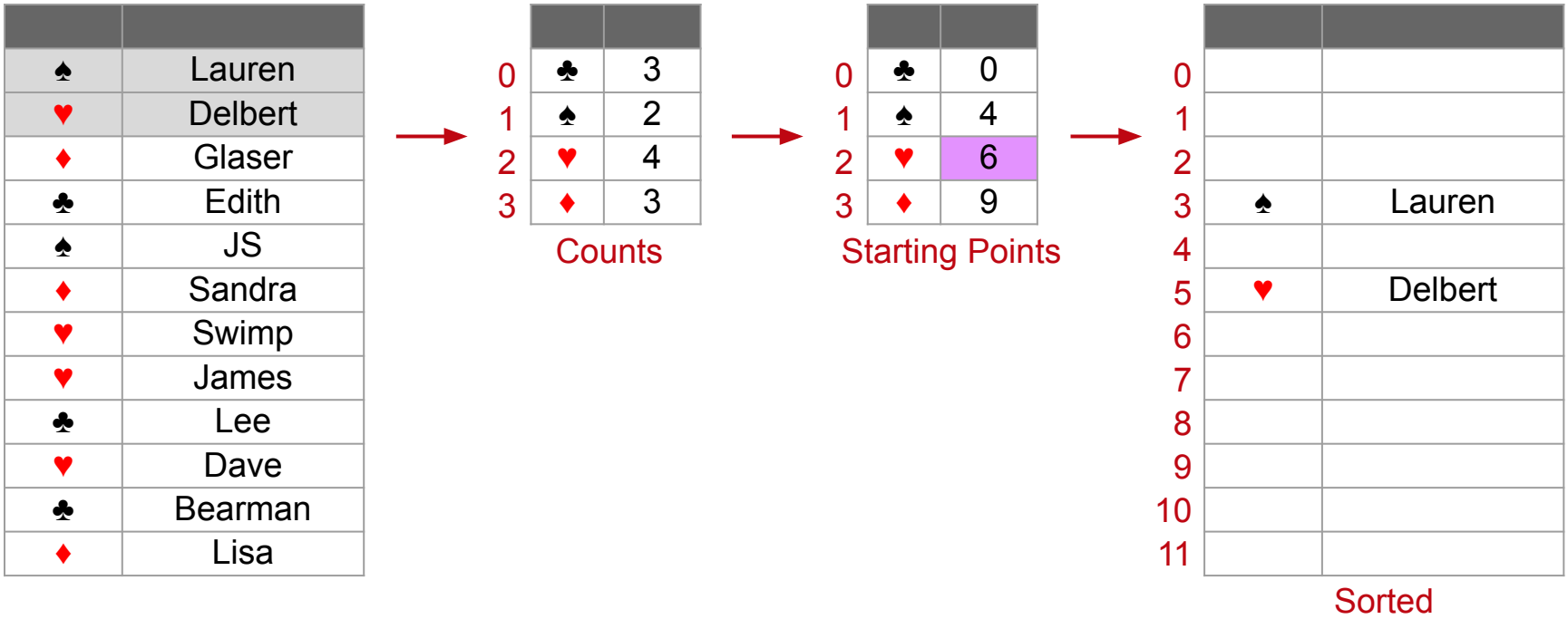
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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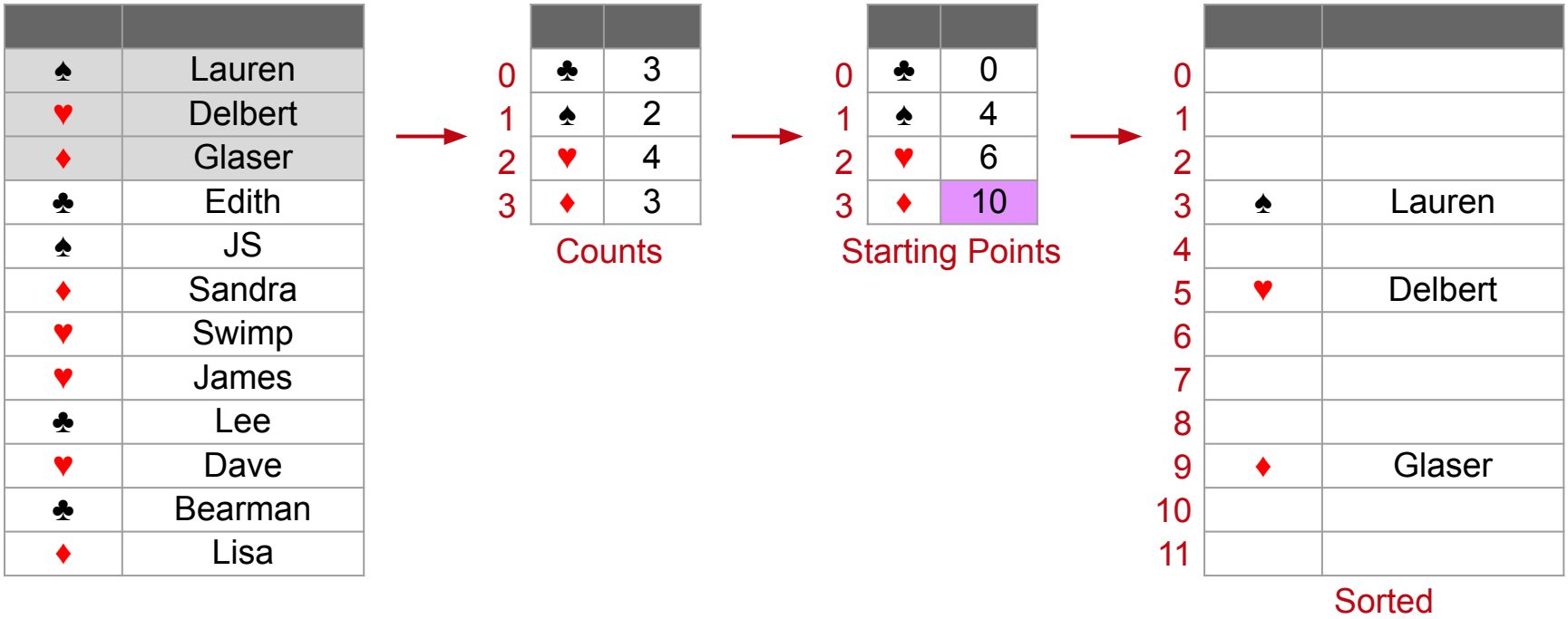
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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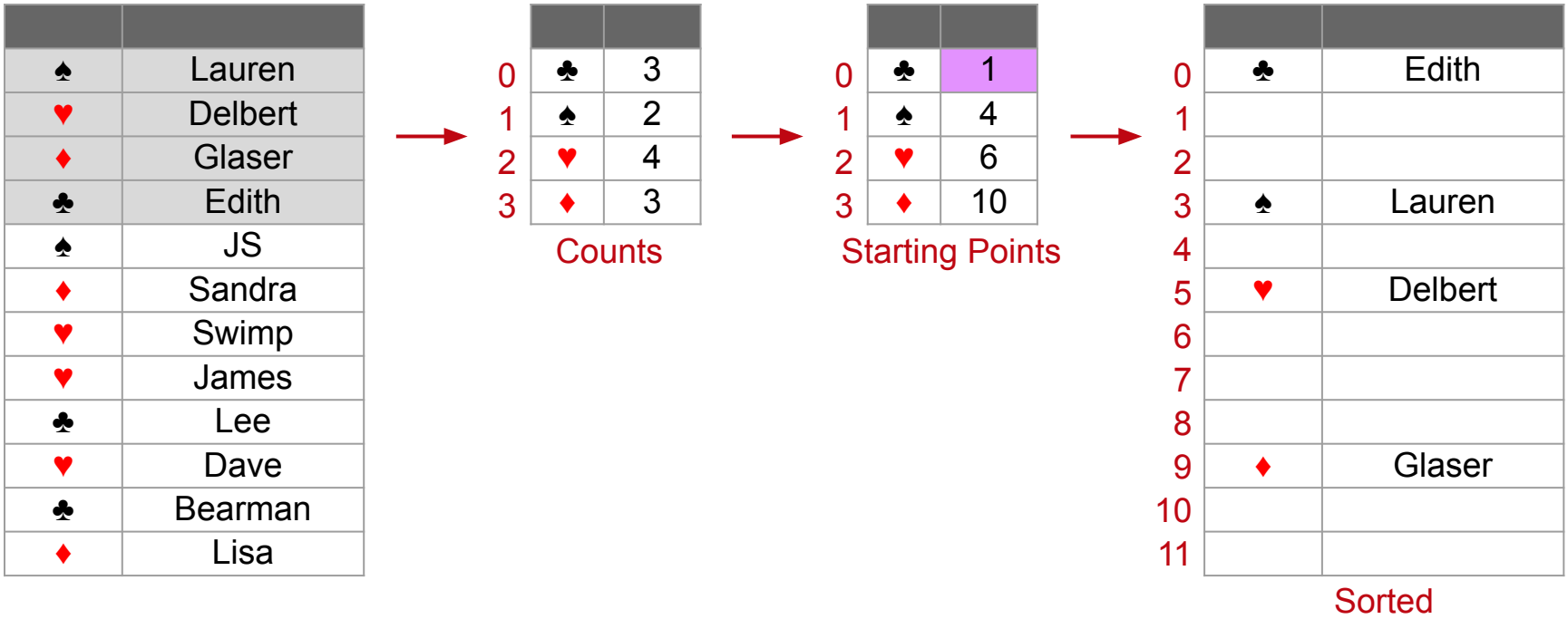
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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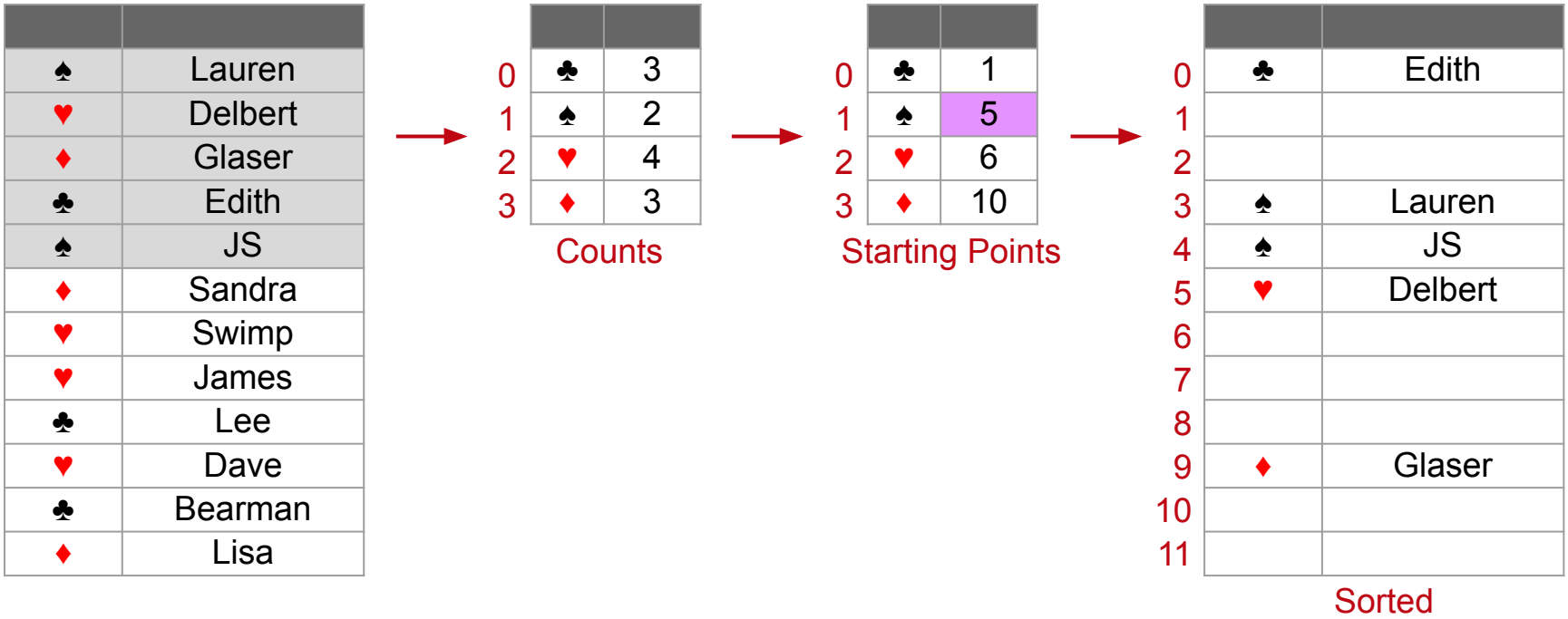
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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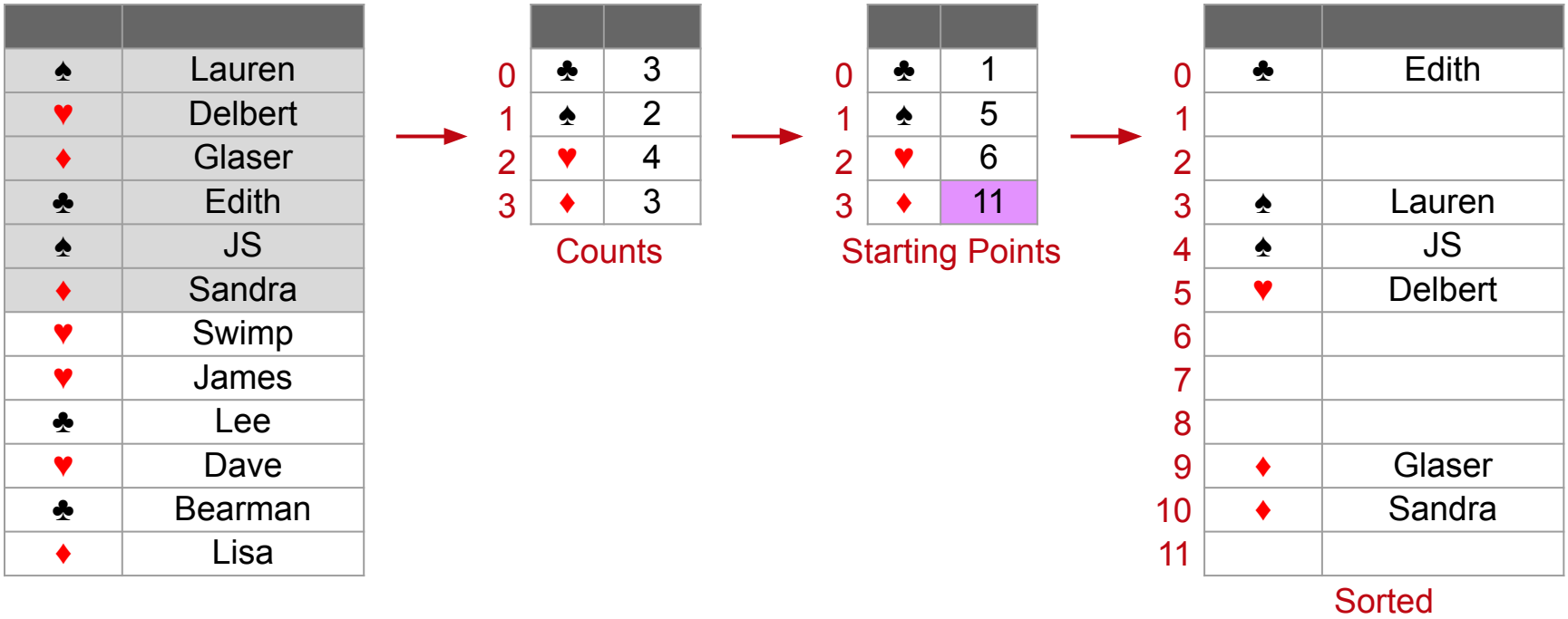
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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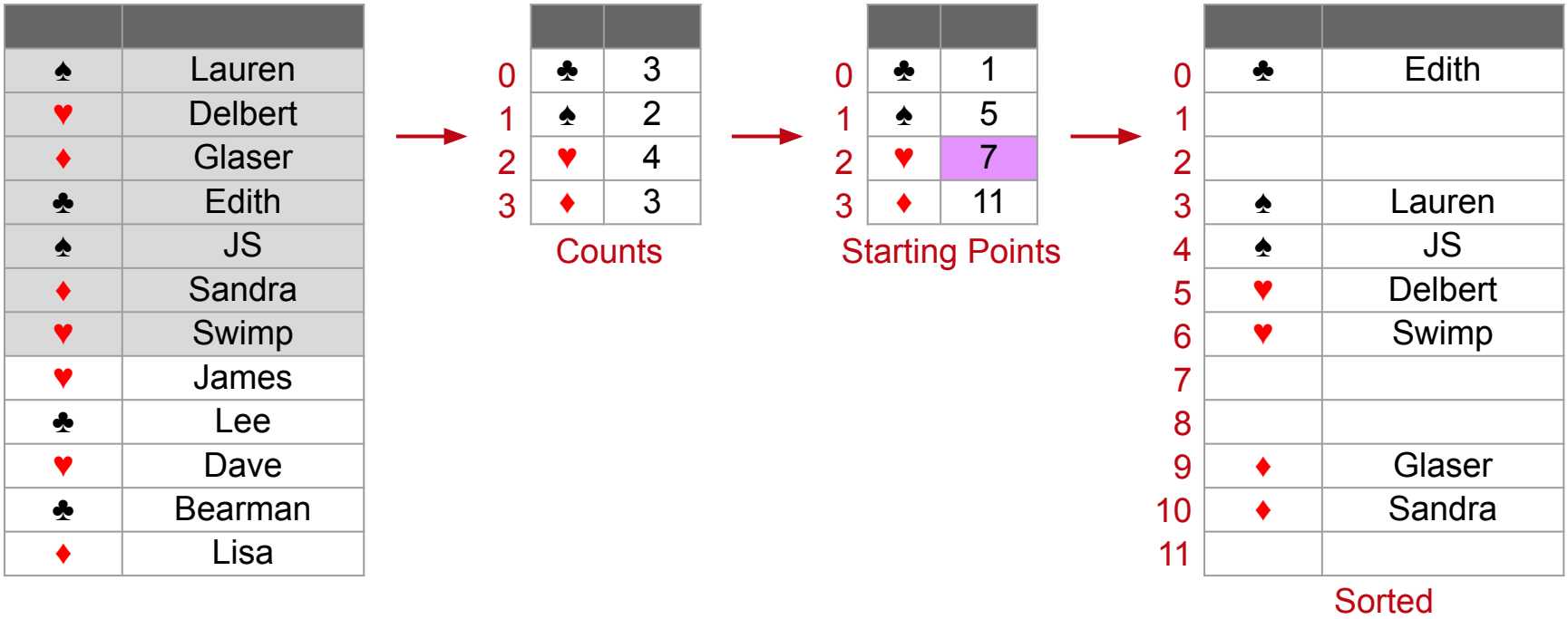
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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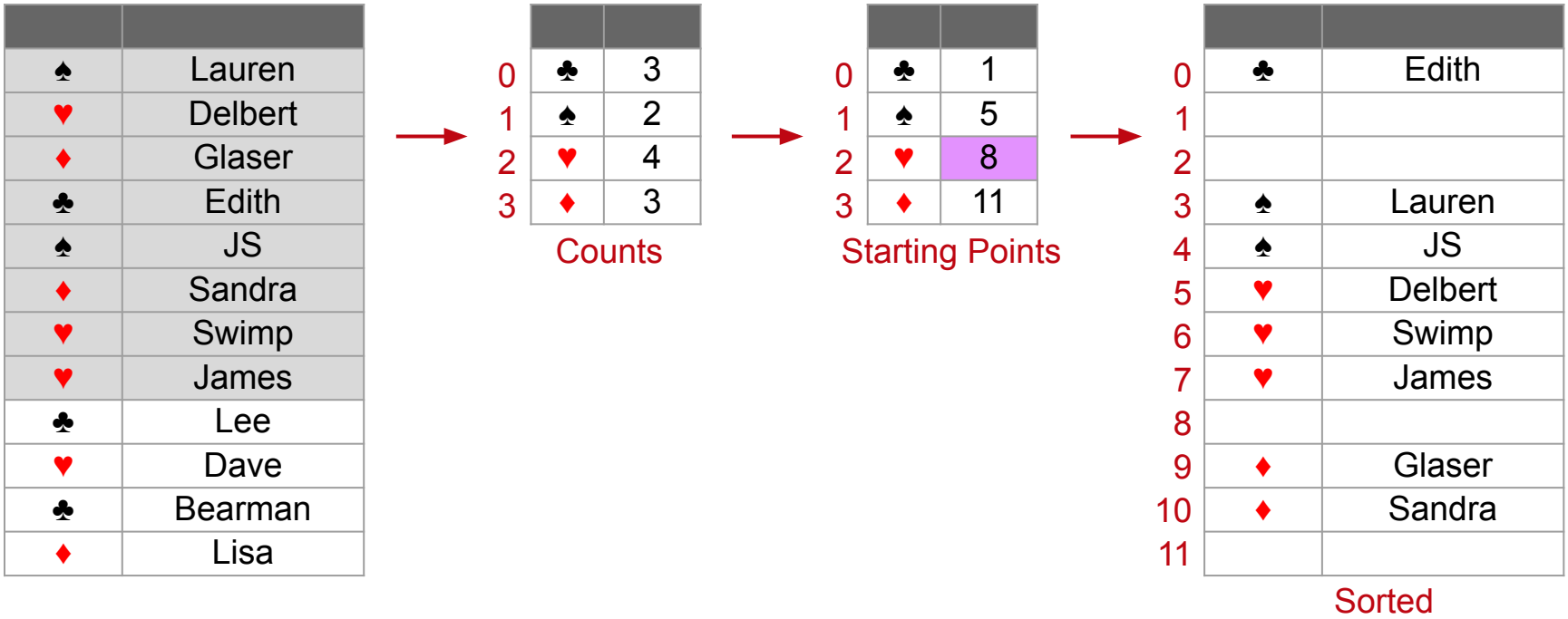
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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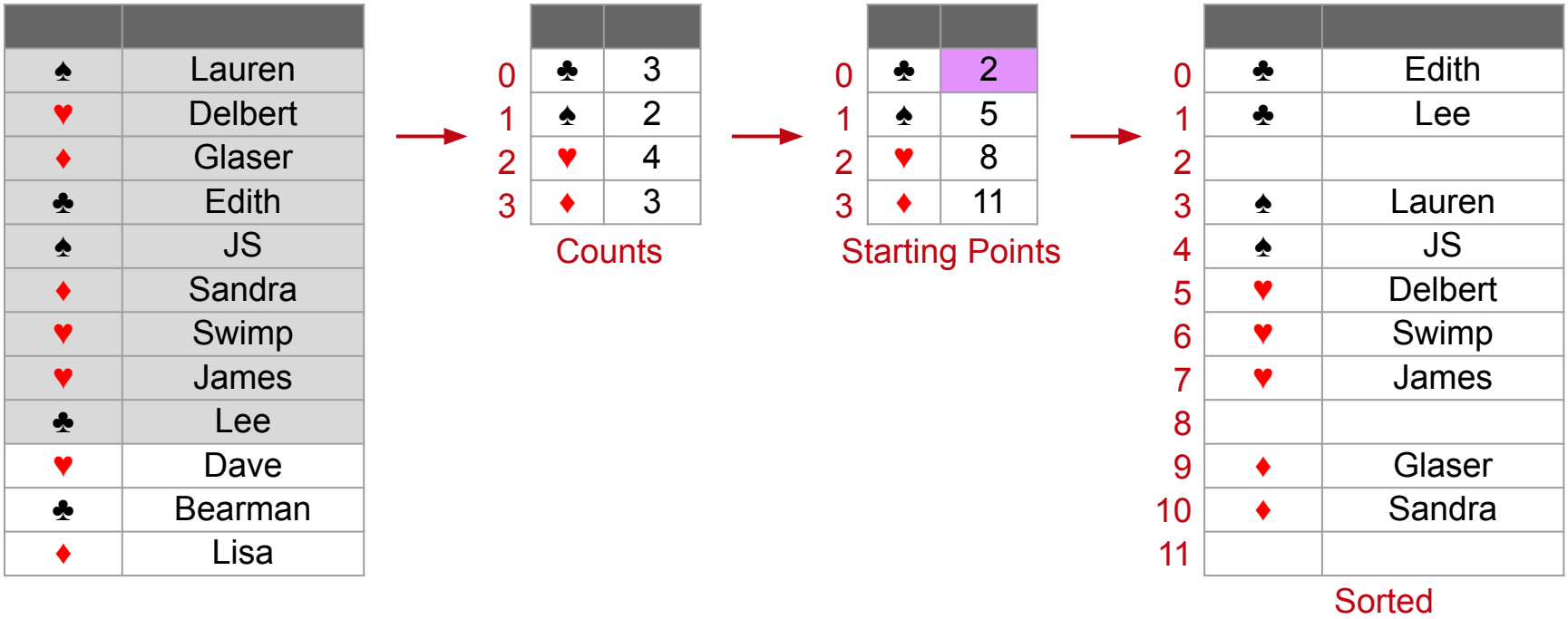
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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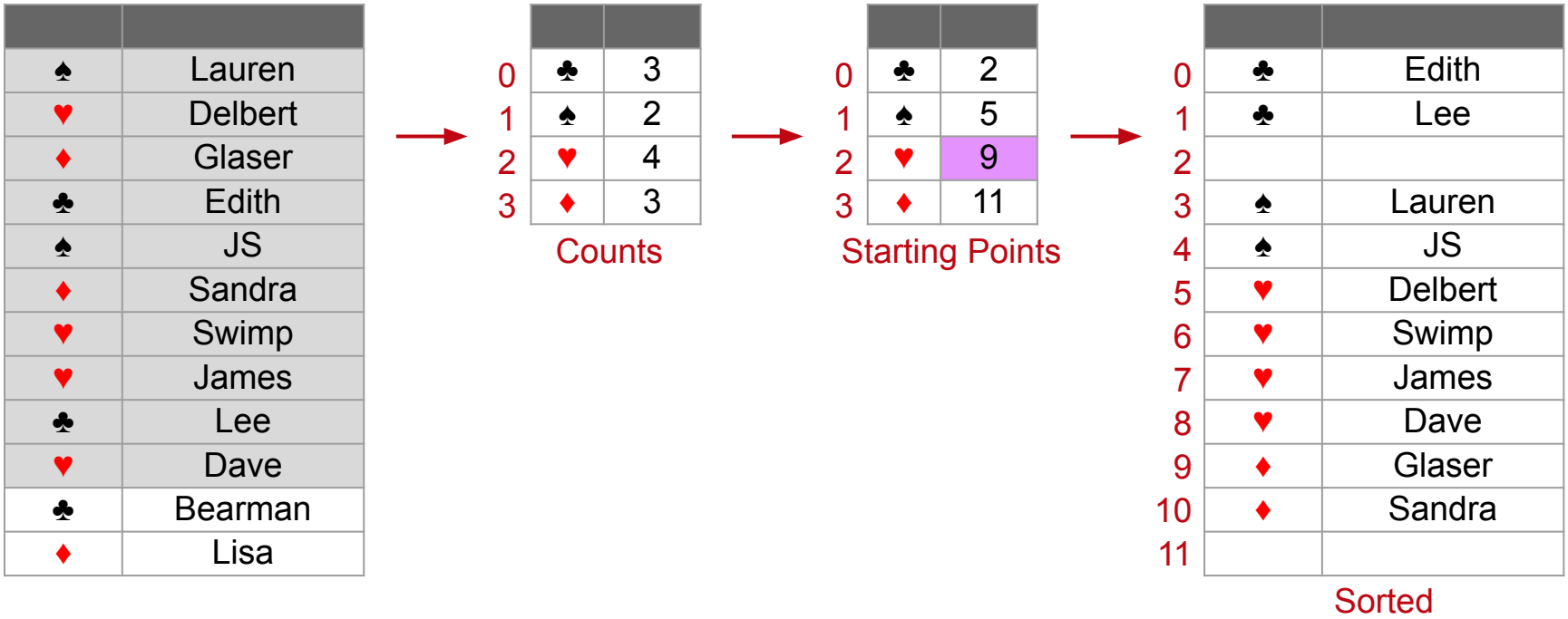
Counting Sort

Example:

- Alphabet: {♣, ♠, ♥, ♦}



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Counting Sort

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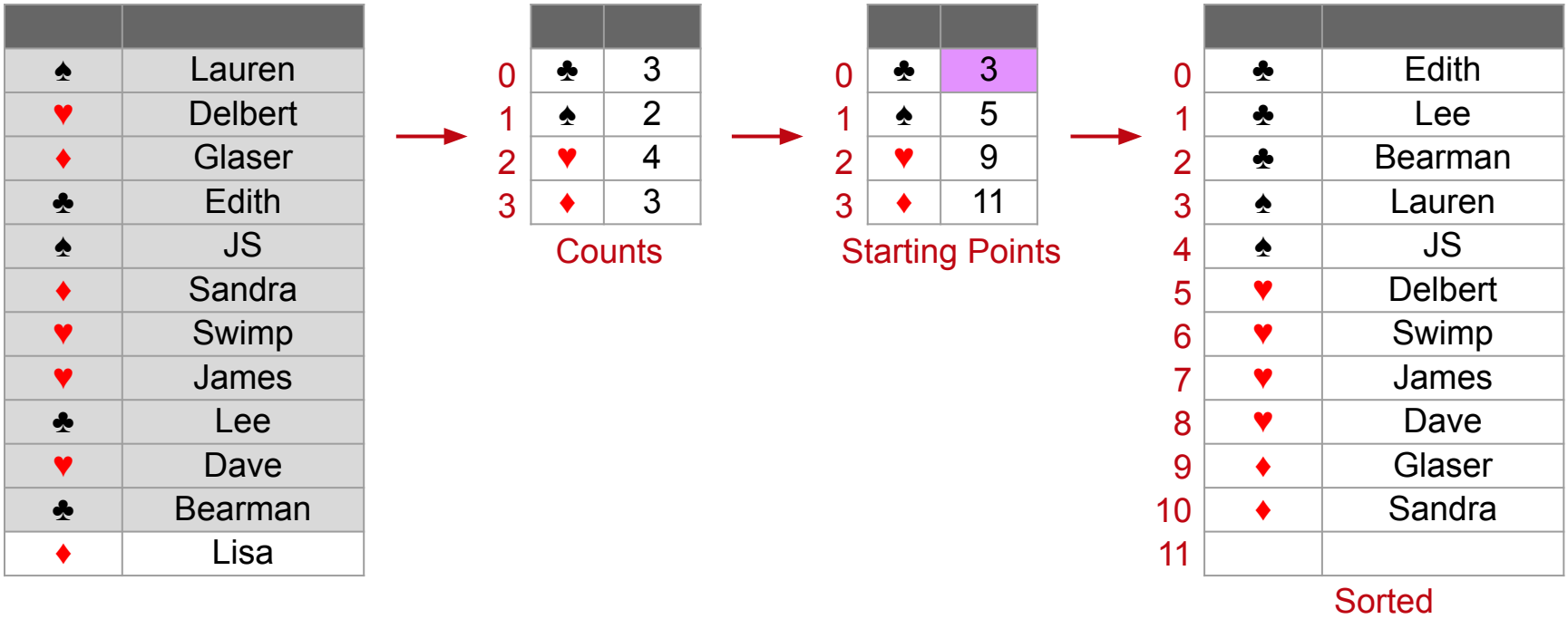

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Counting Sort

Example:

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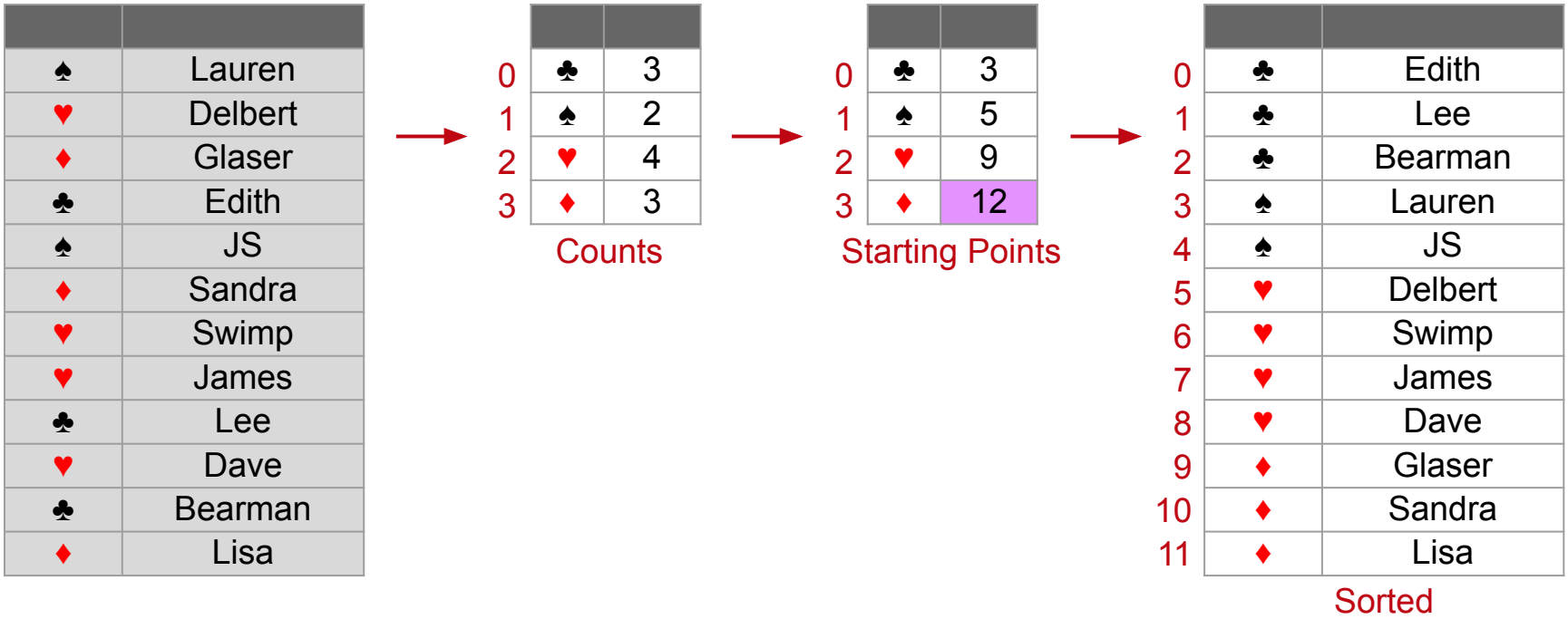

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