

Divide and conquer
splits each array
into left and right
subarrays.

Sorts Left

Sorts Right

Merges results

Mergesort: Example

Version of 08/02/17

9	8	7	6	5	4	3	2	1
---	---	---	---	---	---	---	---	---

Divide and conquer
splits each array
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Sorts Left

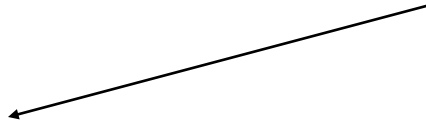
Sorts Right

Merges results

Mergesort: Example

9	8	7	6	5	4	3	2	1
---	---	---	---	---	---	---	---	---

9	8	7	6	5
---	---	---	---	---



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Mergesort: Example



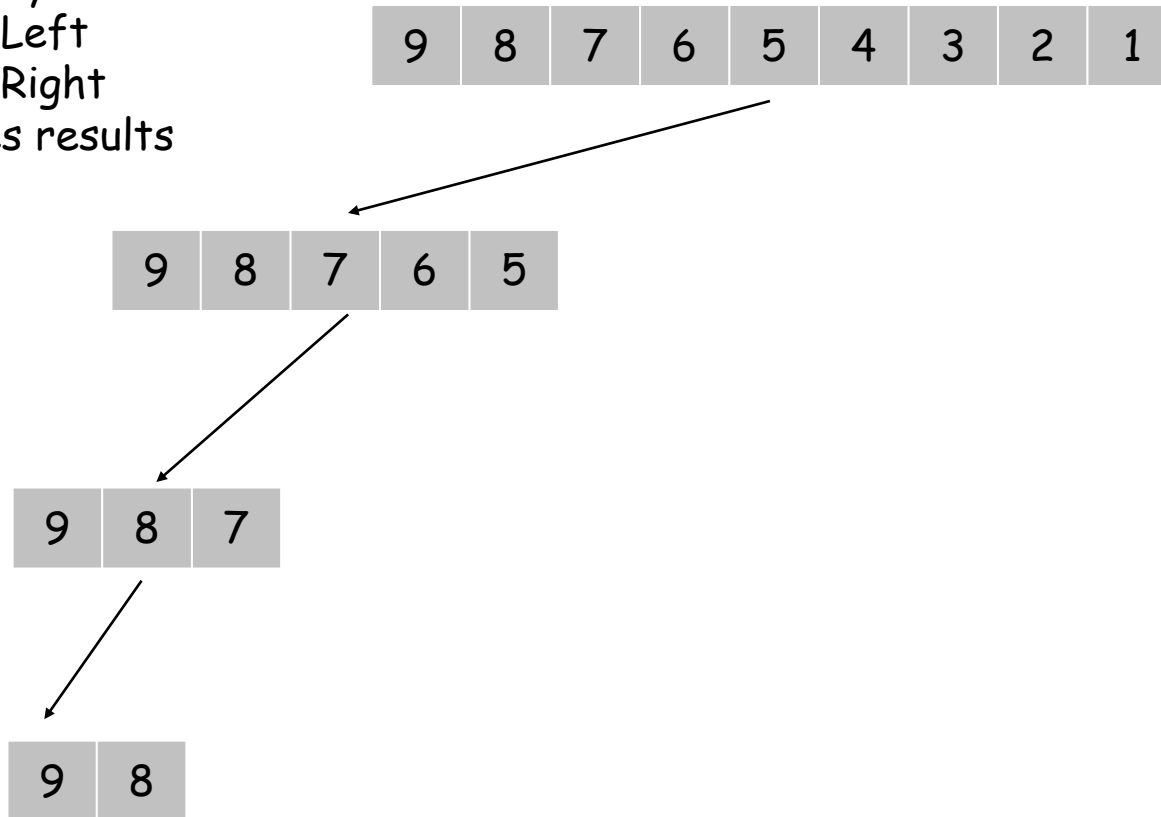
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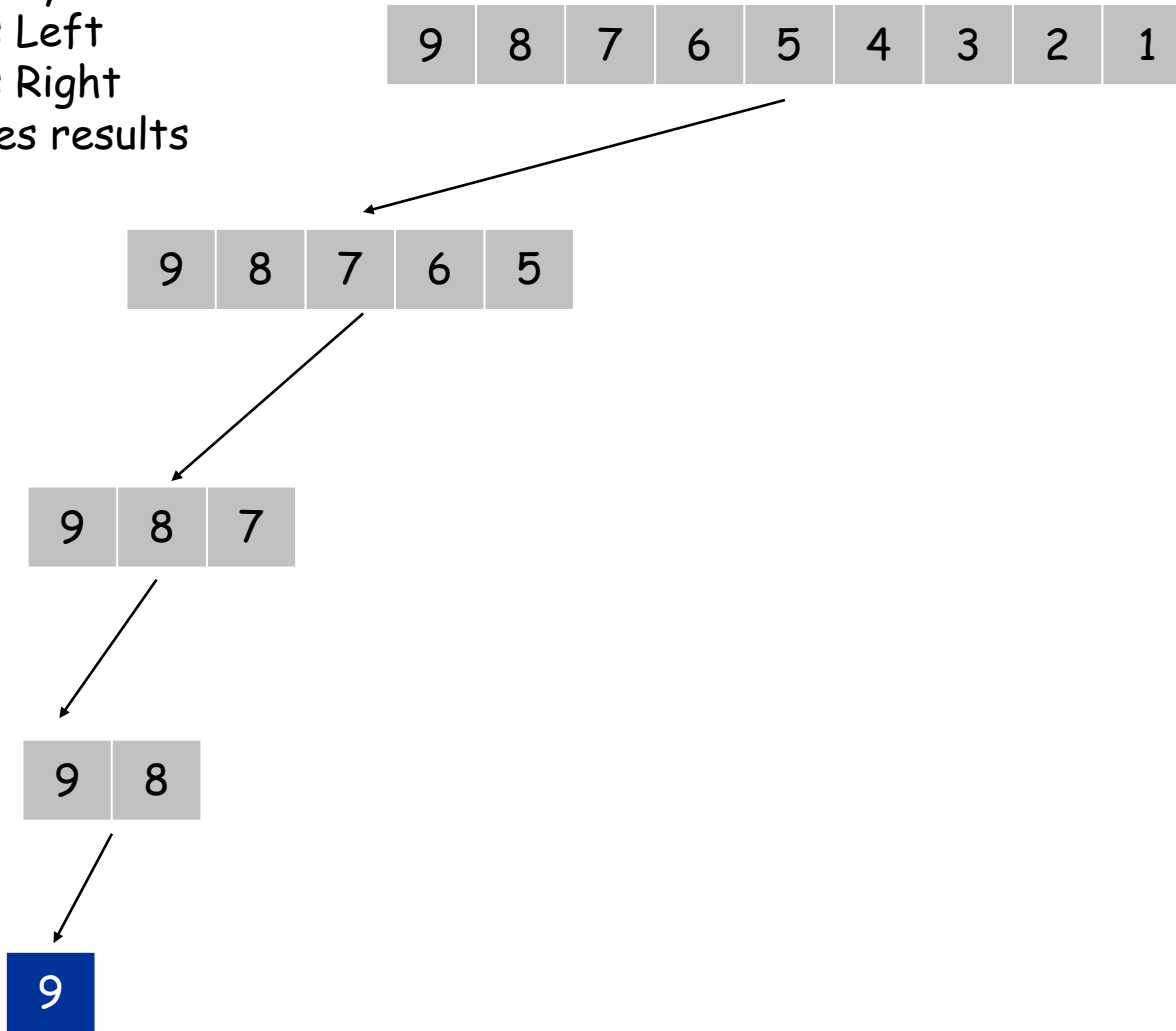
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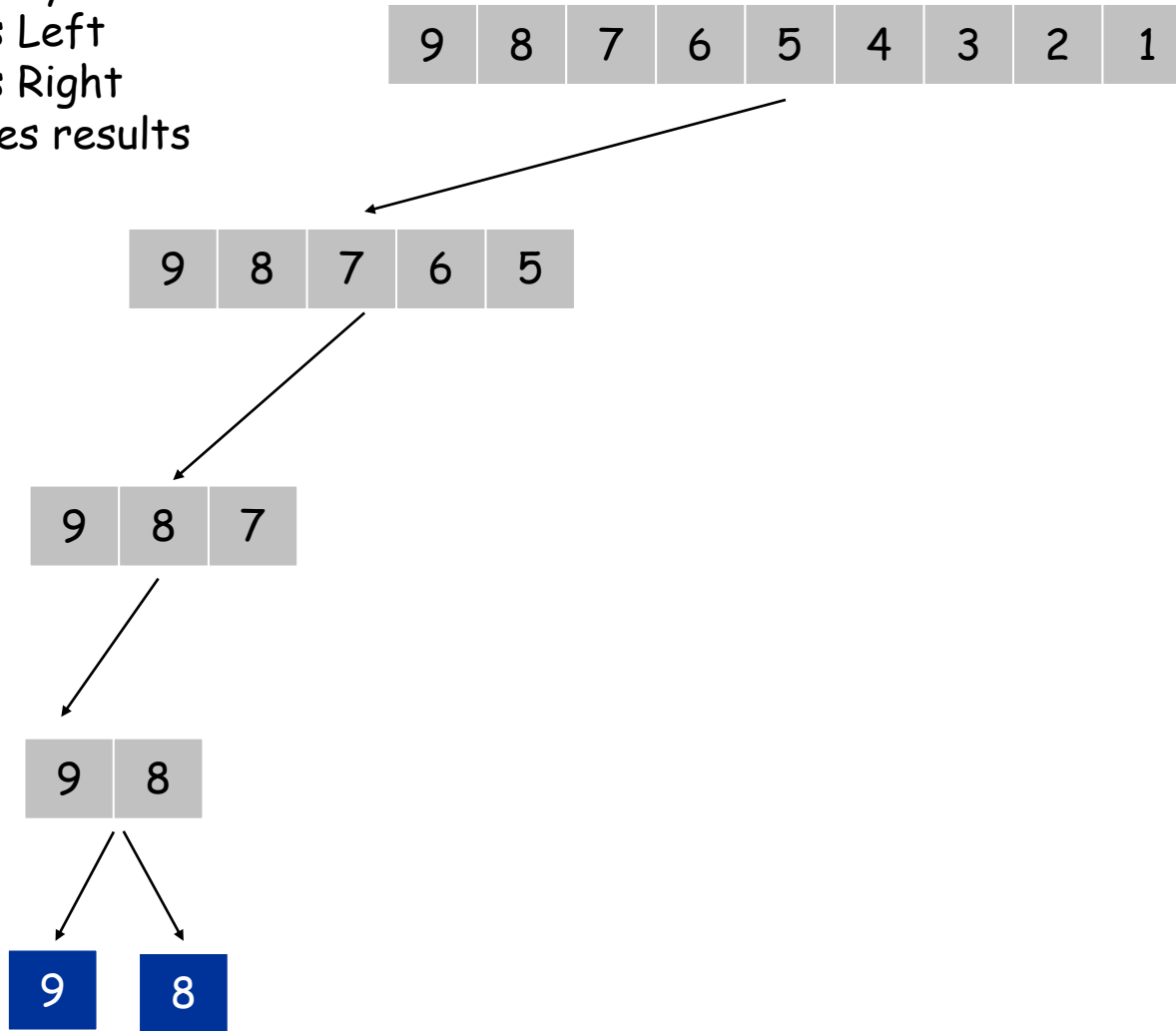
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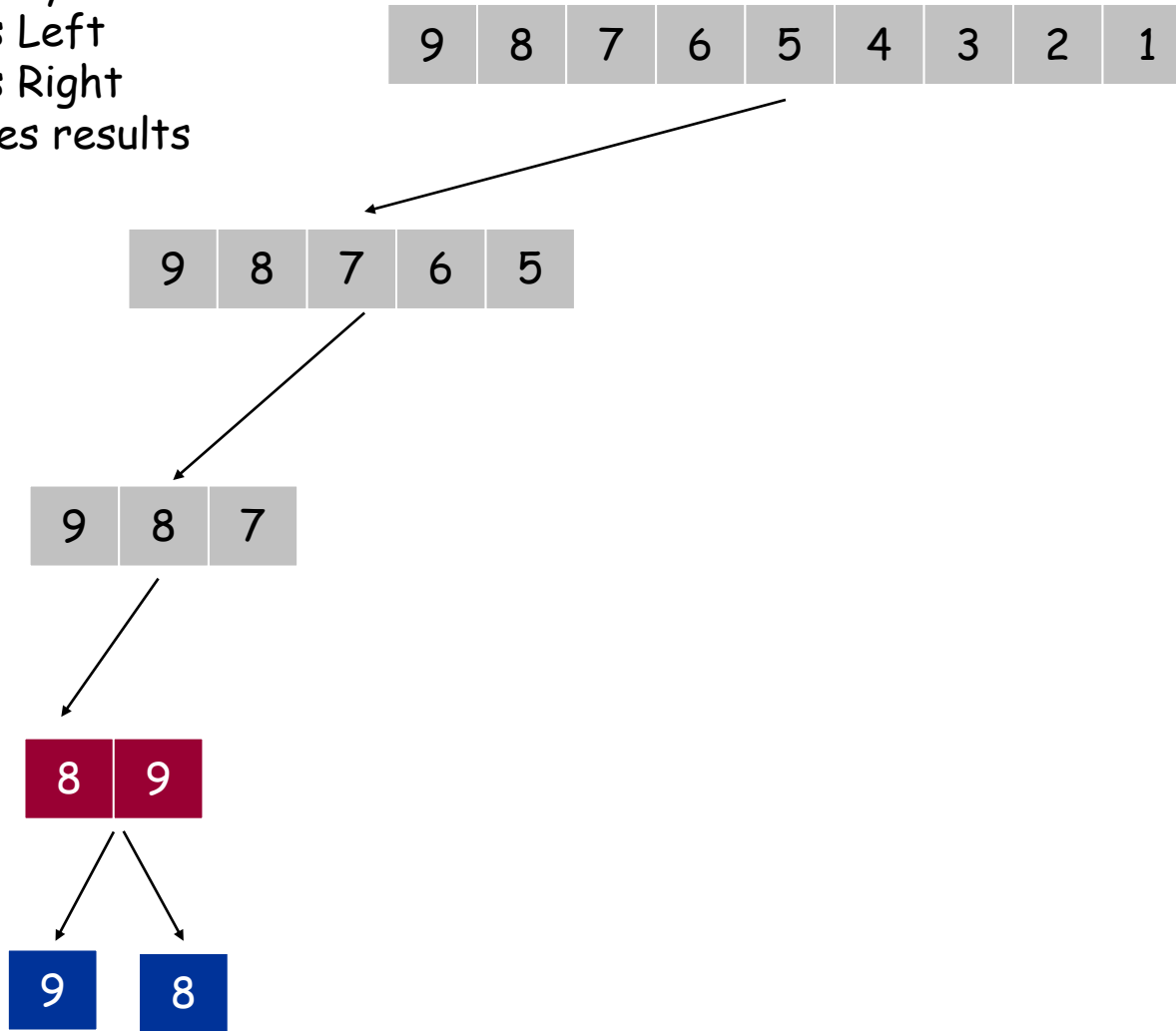
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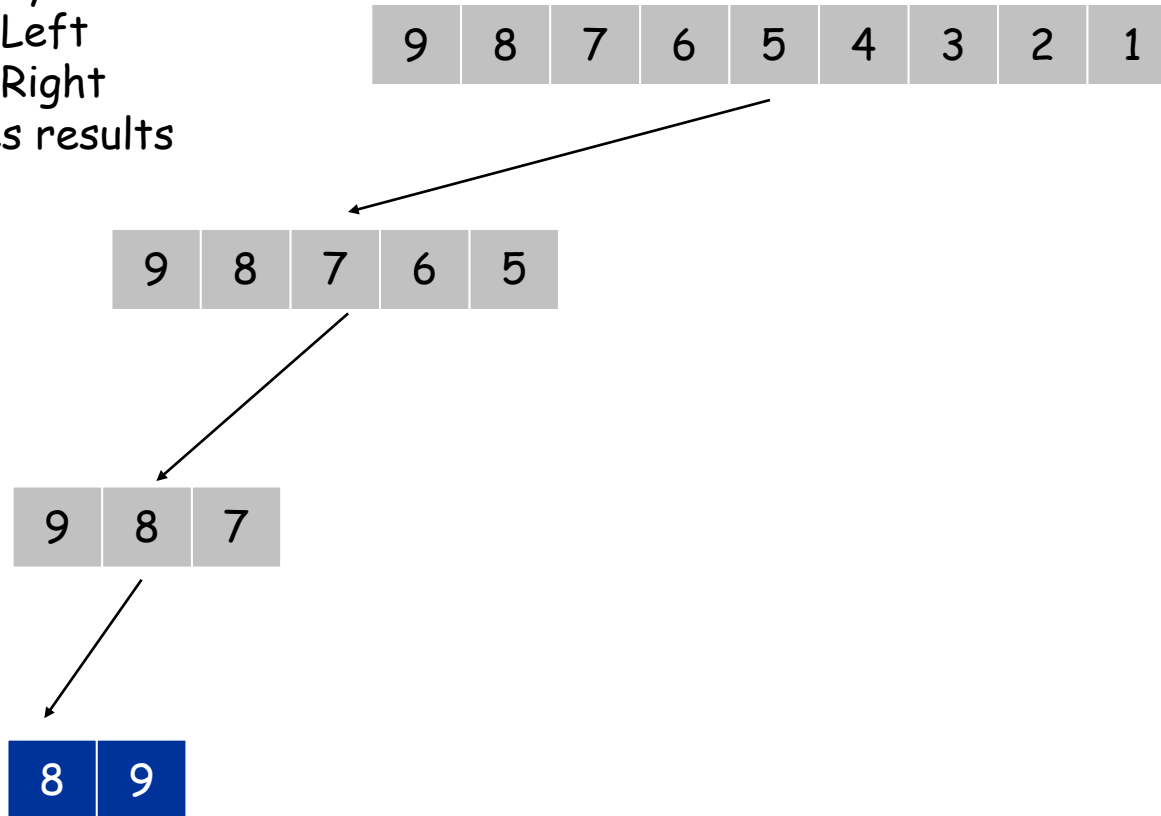
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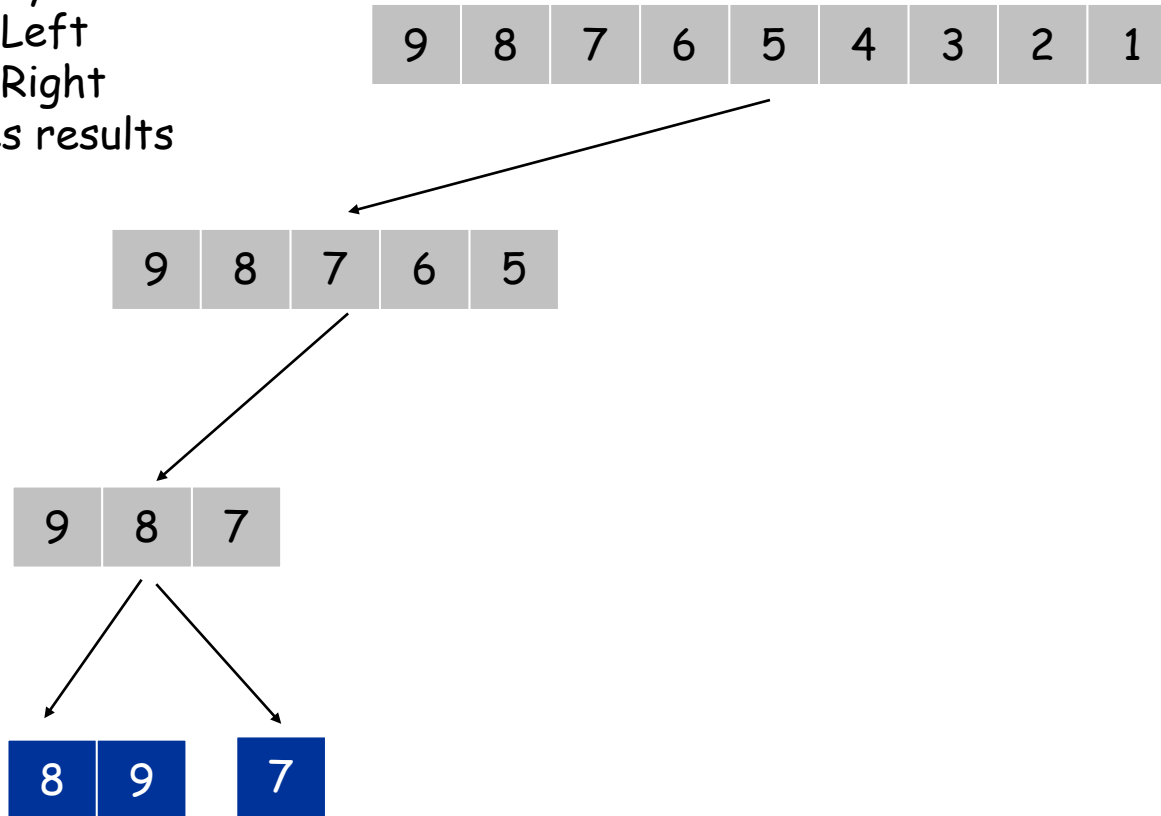
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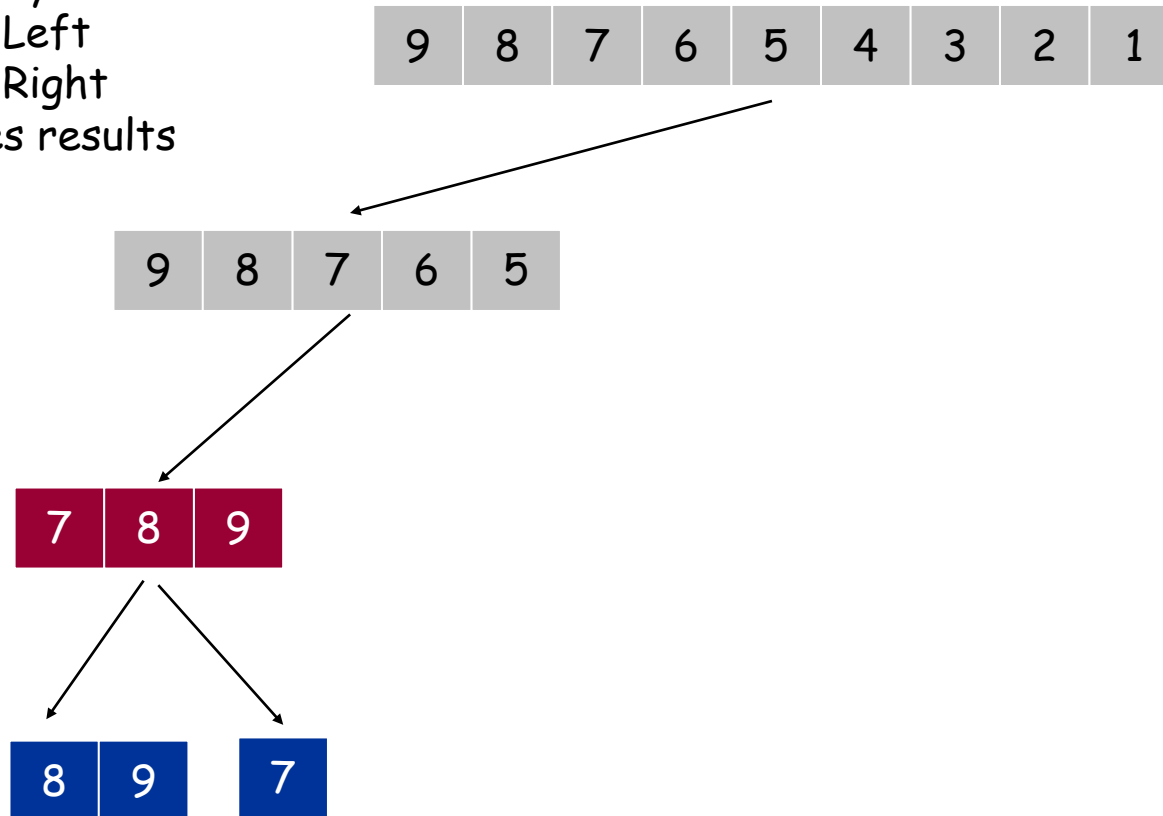
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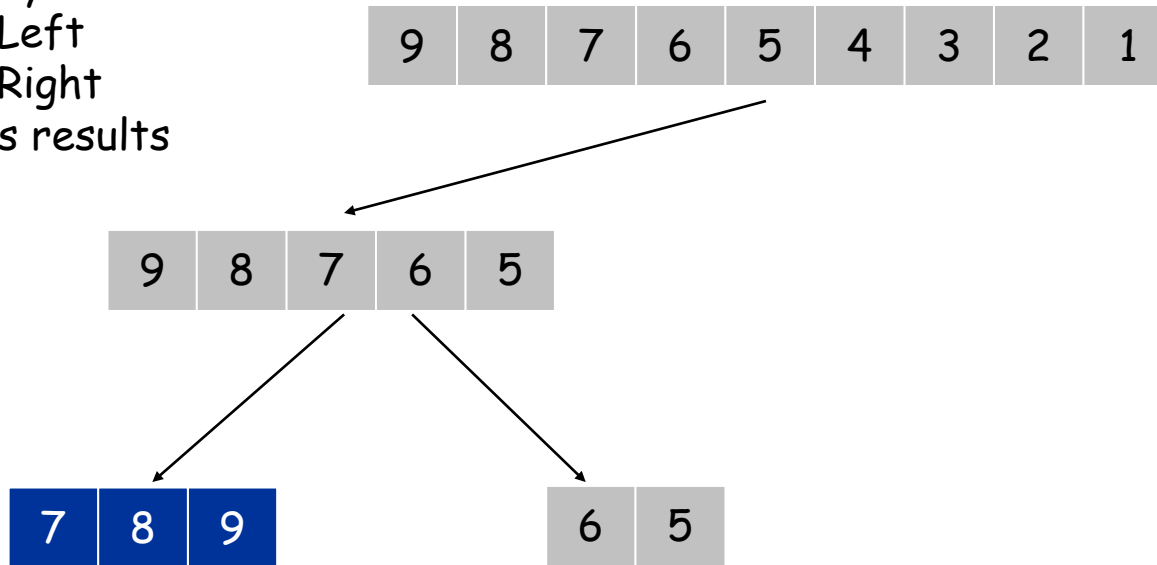
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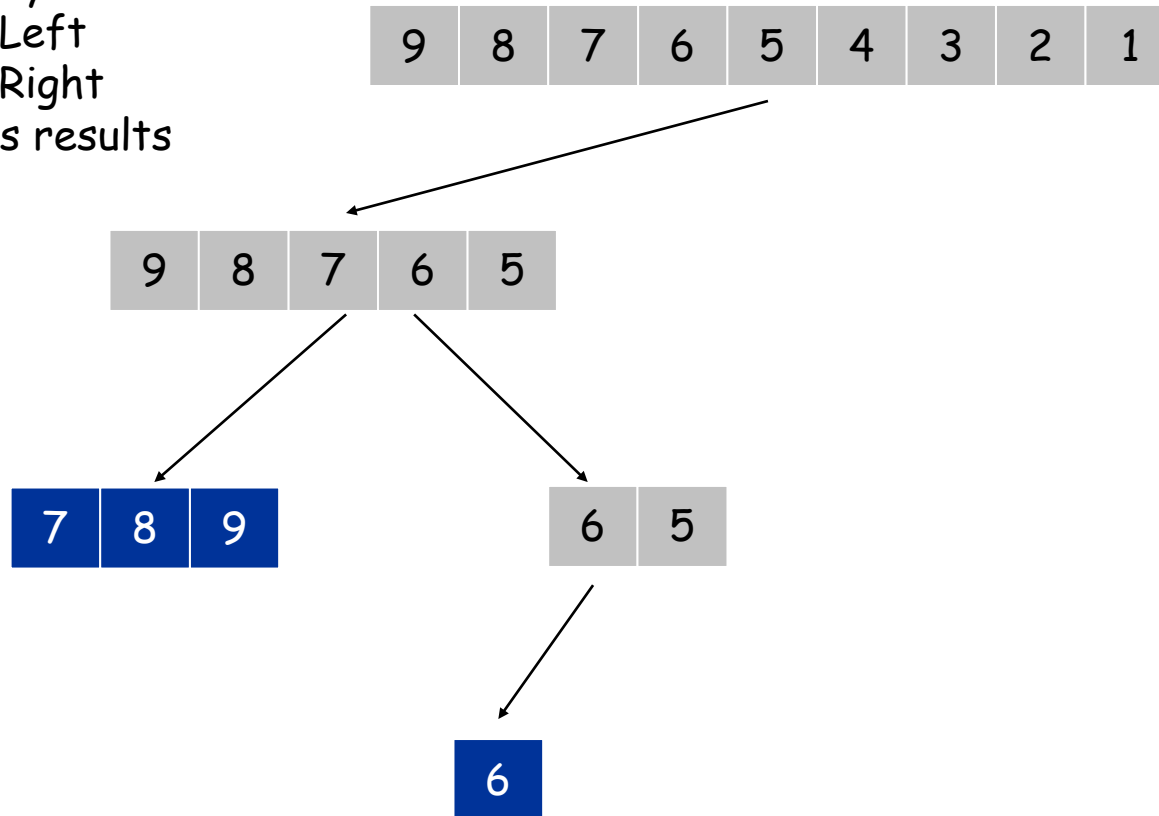
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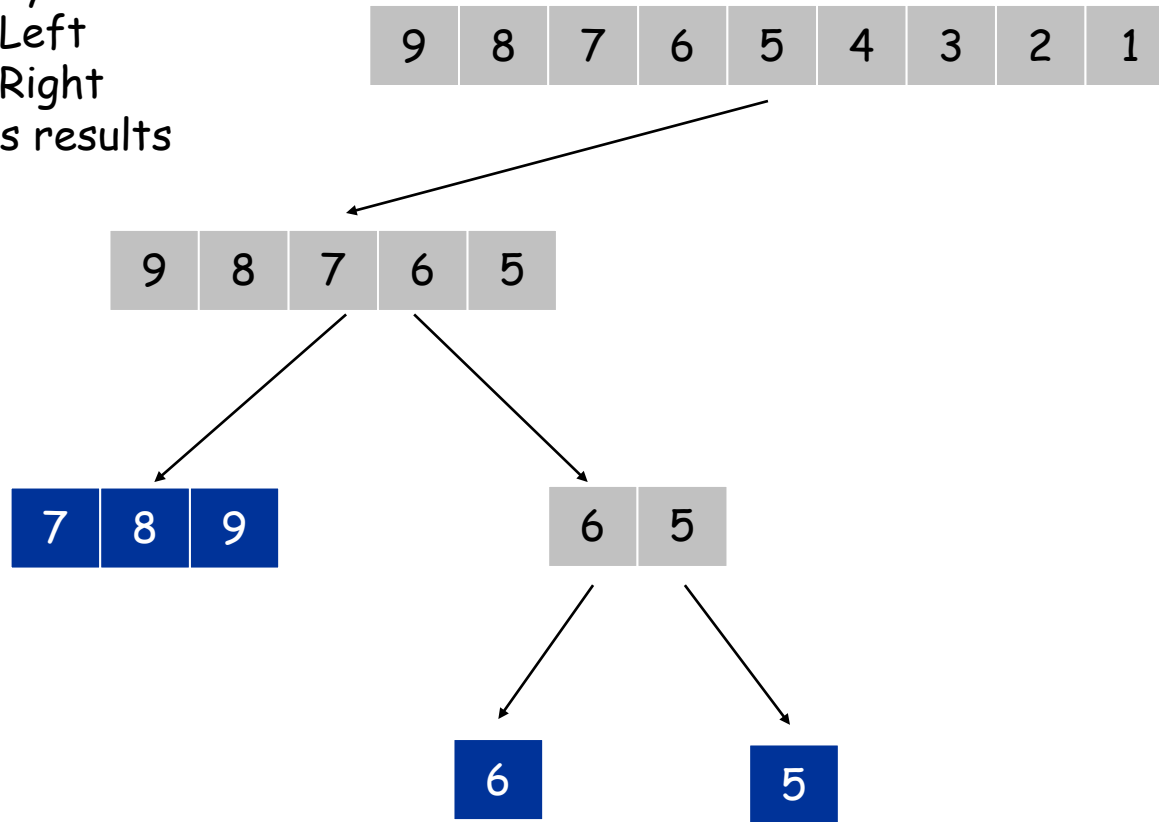
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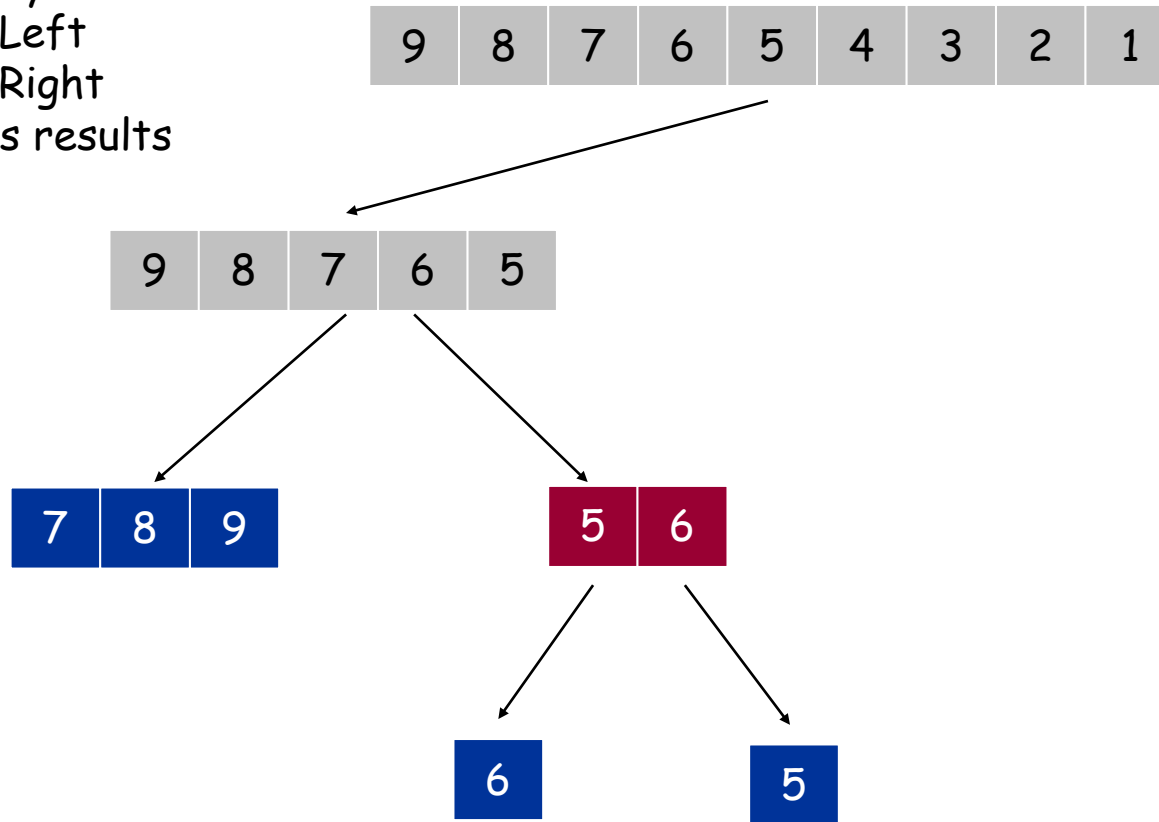
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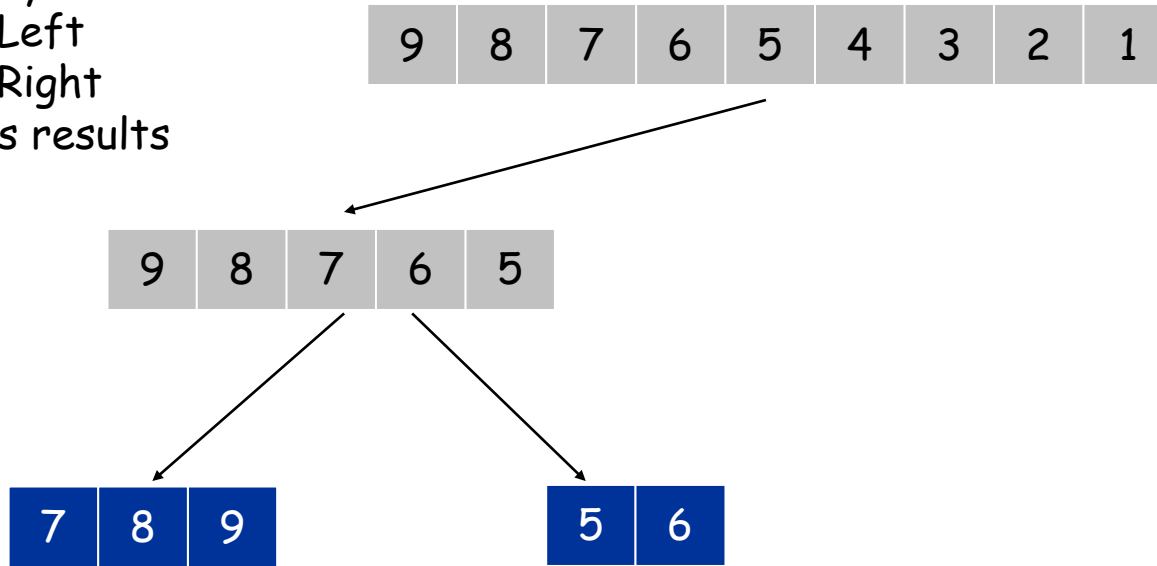
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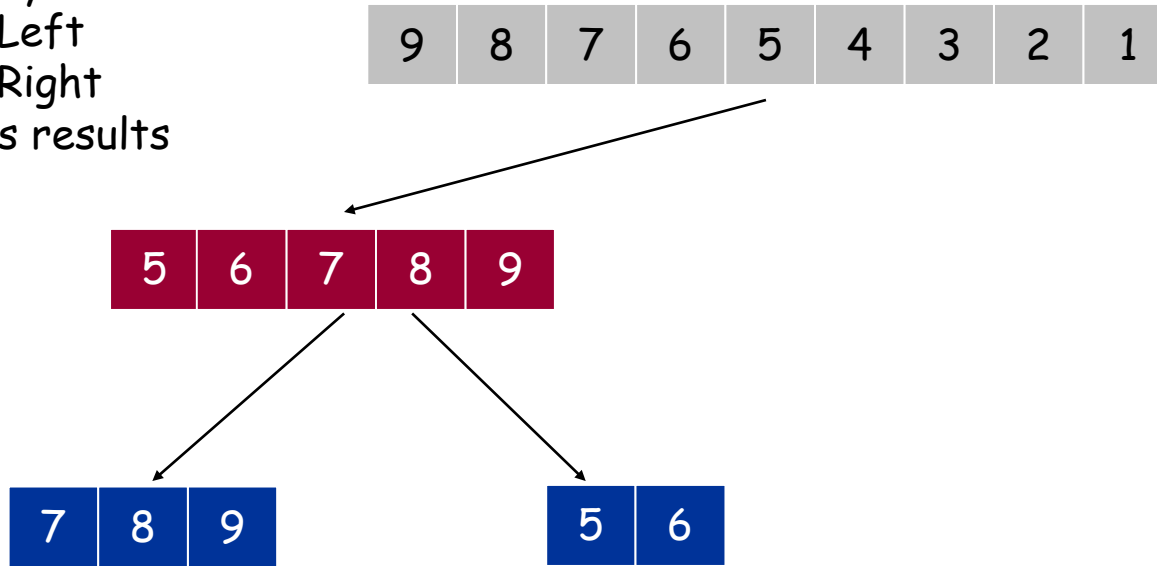
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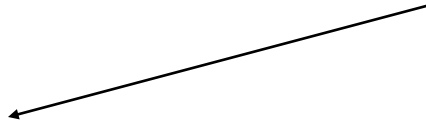
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9	8	7	6	5	4	3	2	1
---	---	---	---	---	---	---	---	---

5	6	7	8	9
---	---	---	---	---



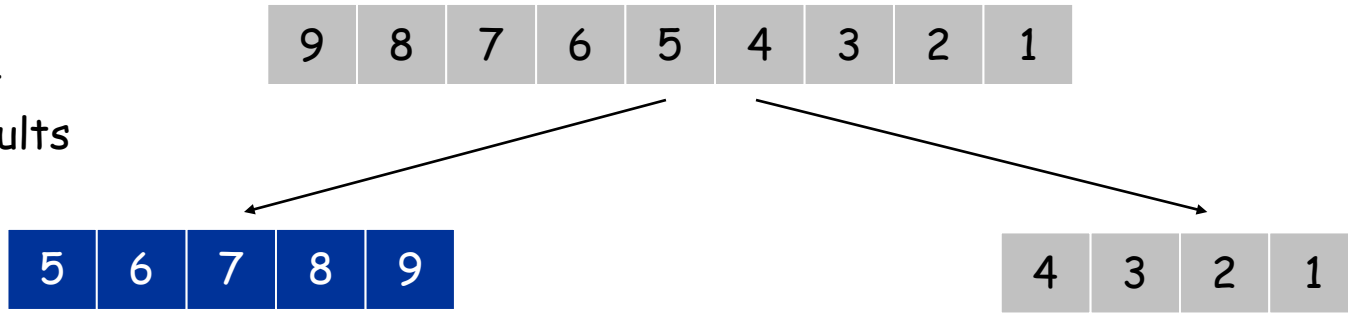
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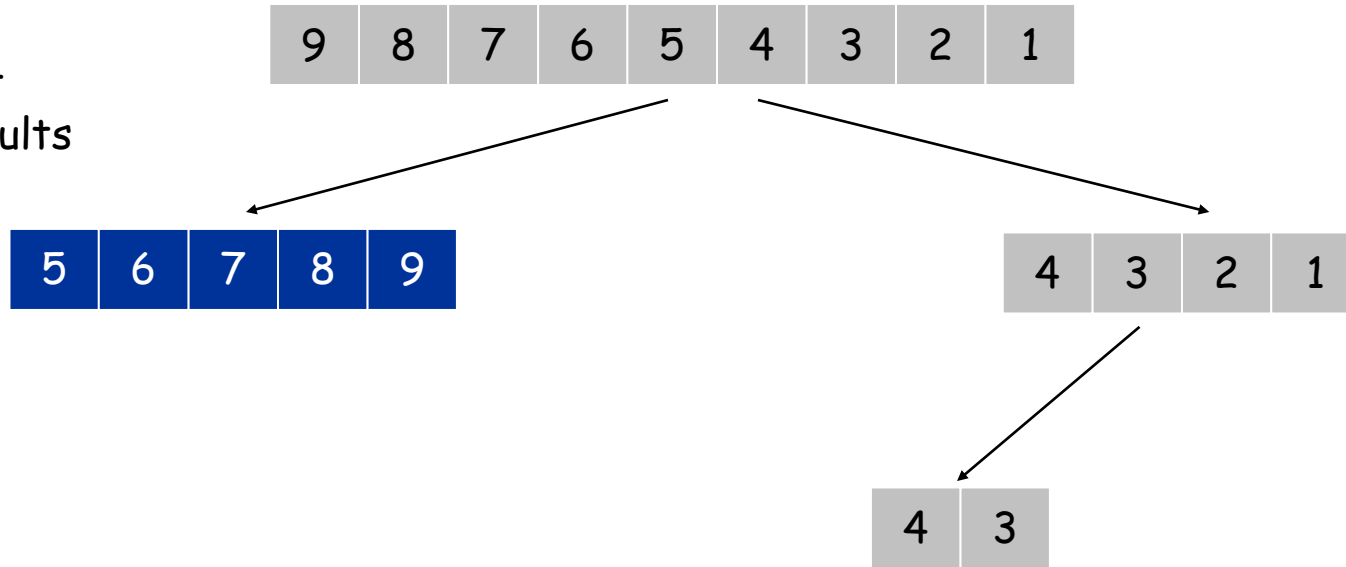
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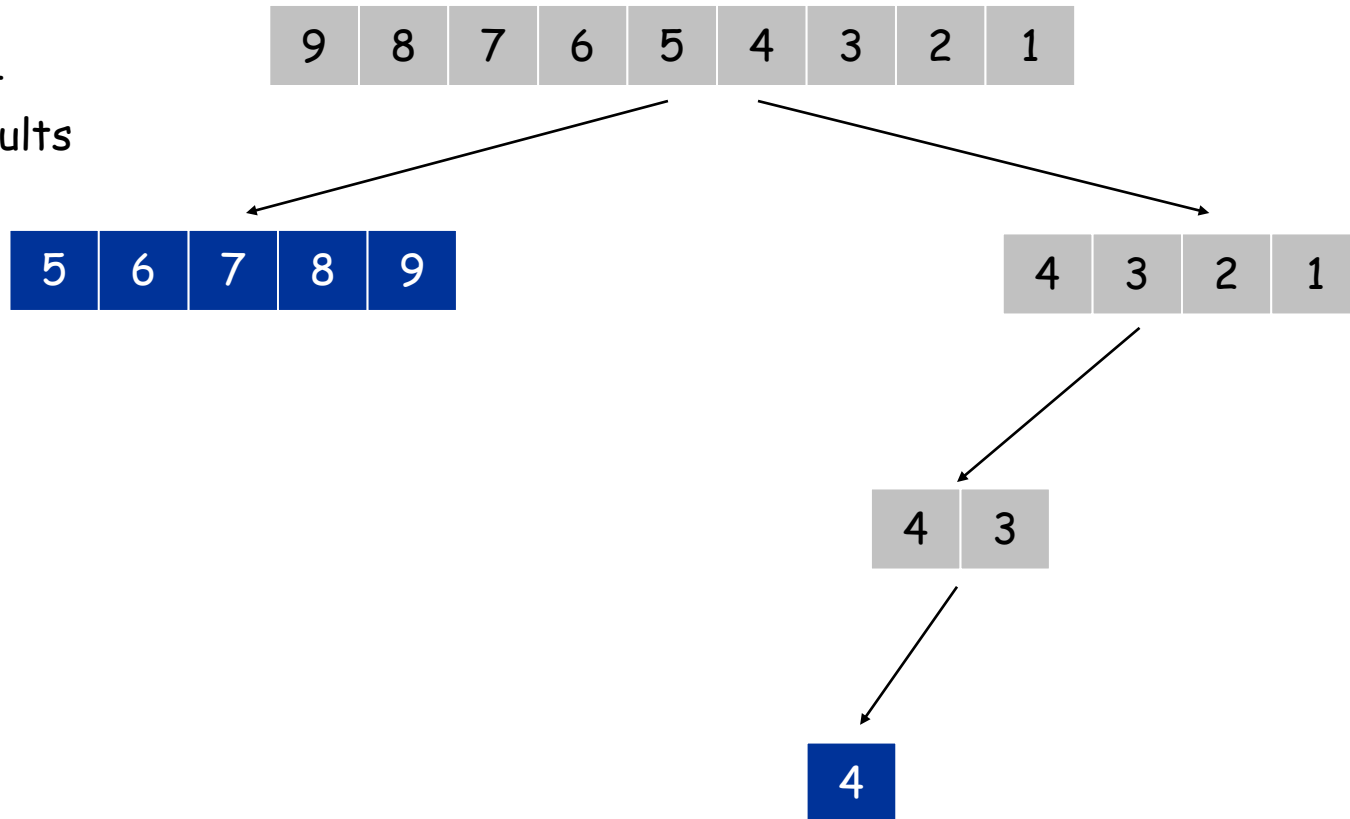
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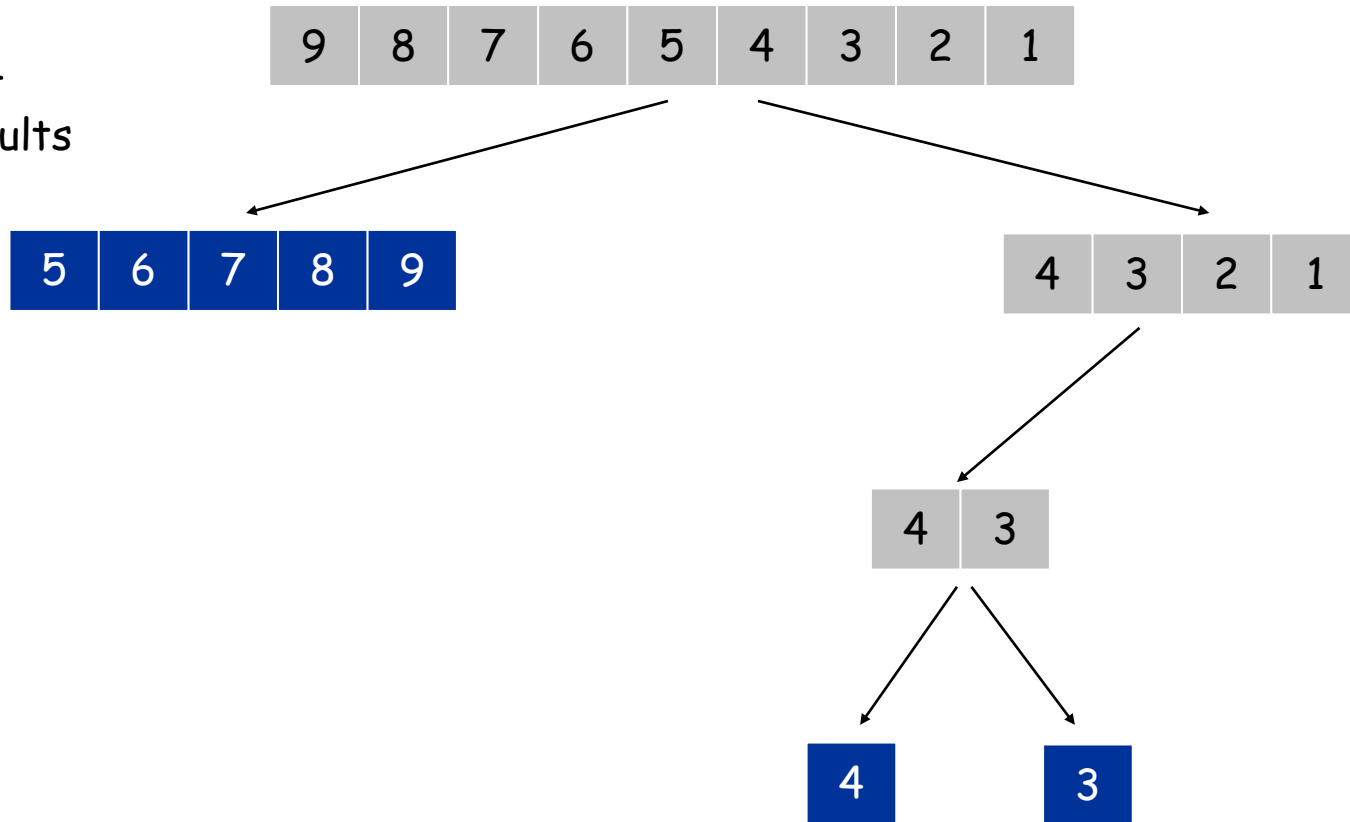
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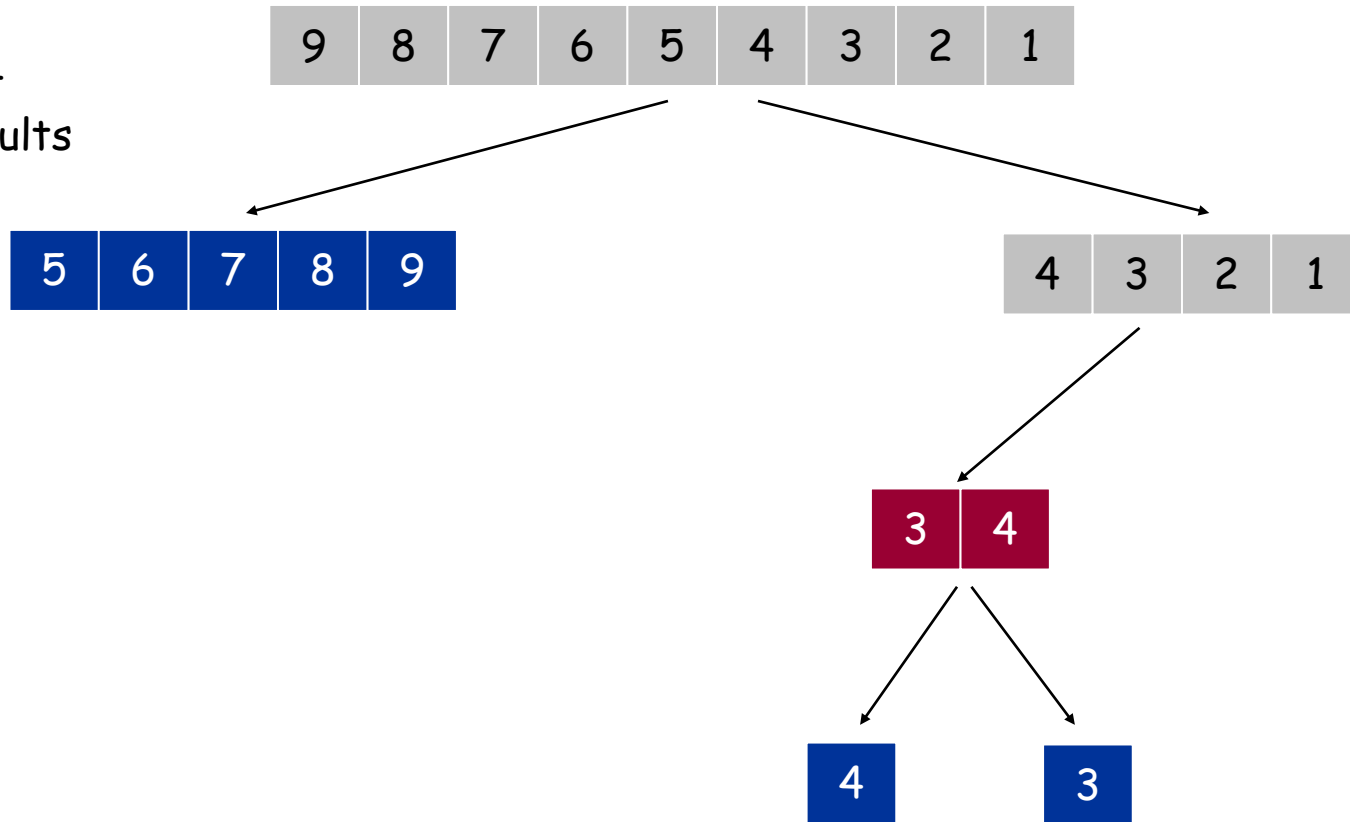
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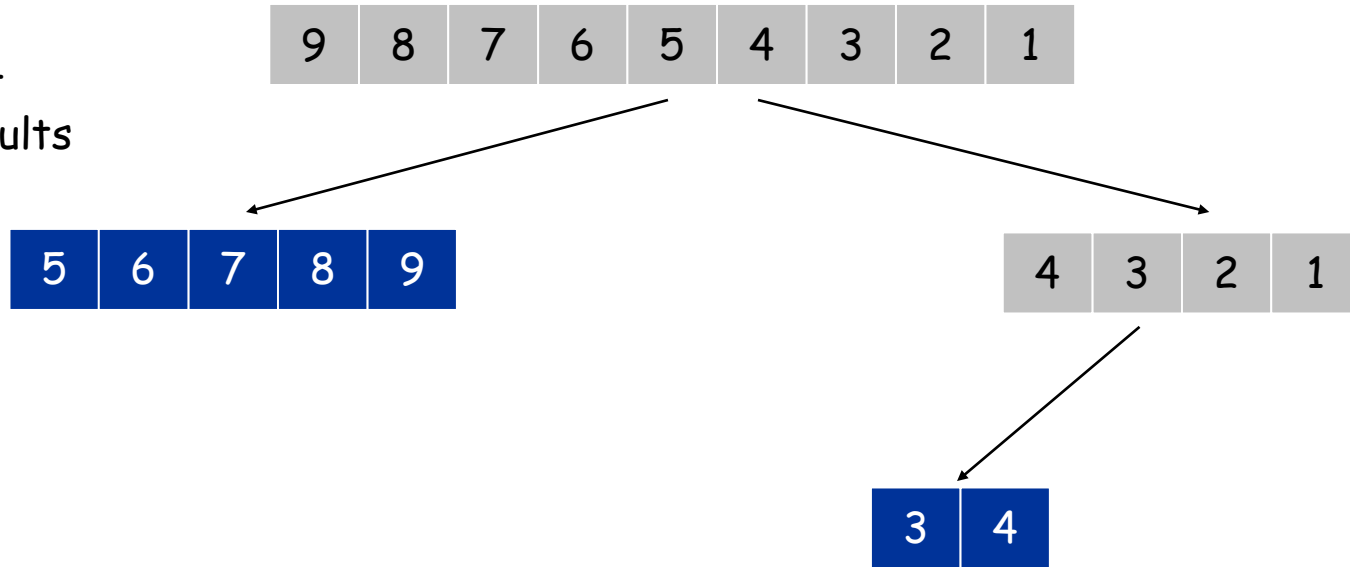
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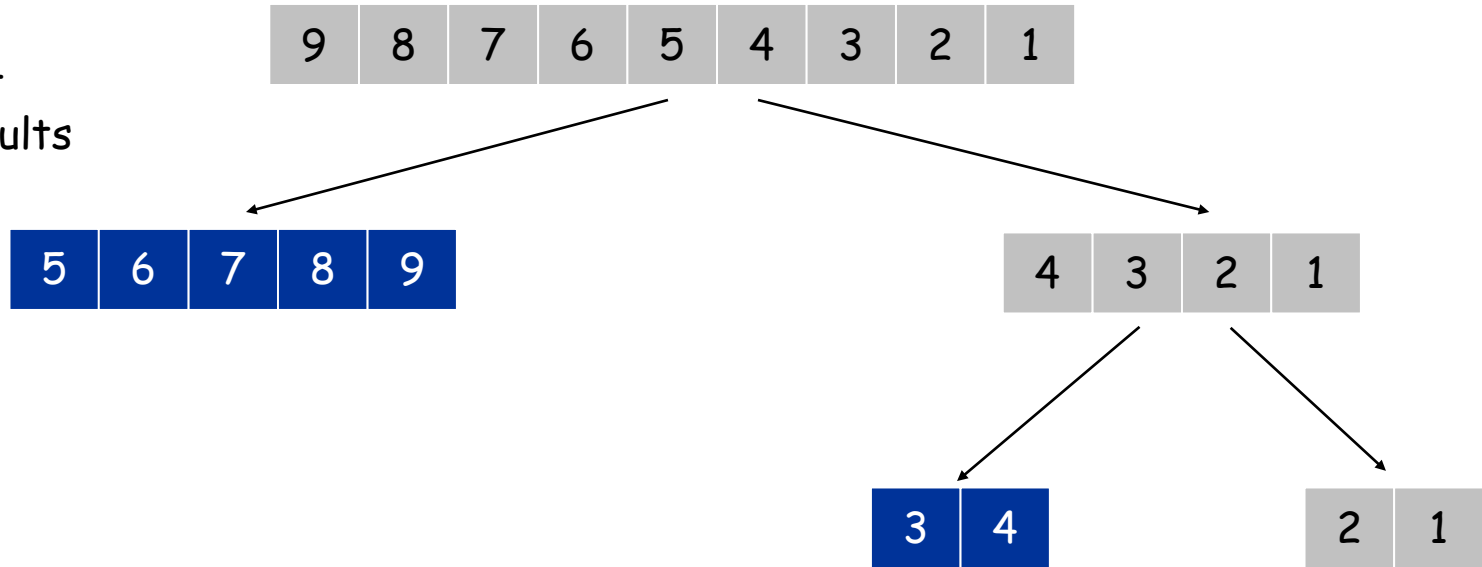
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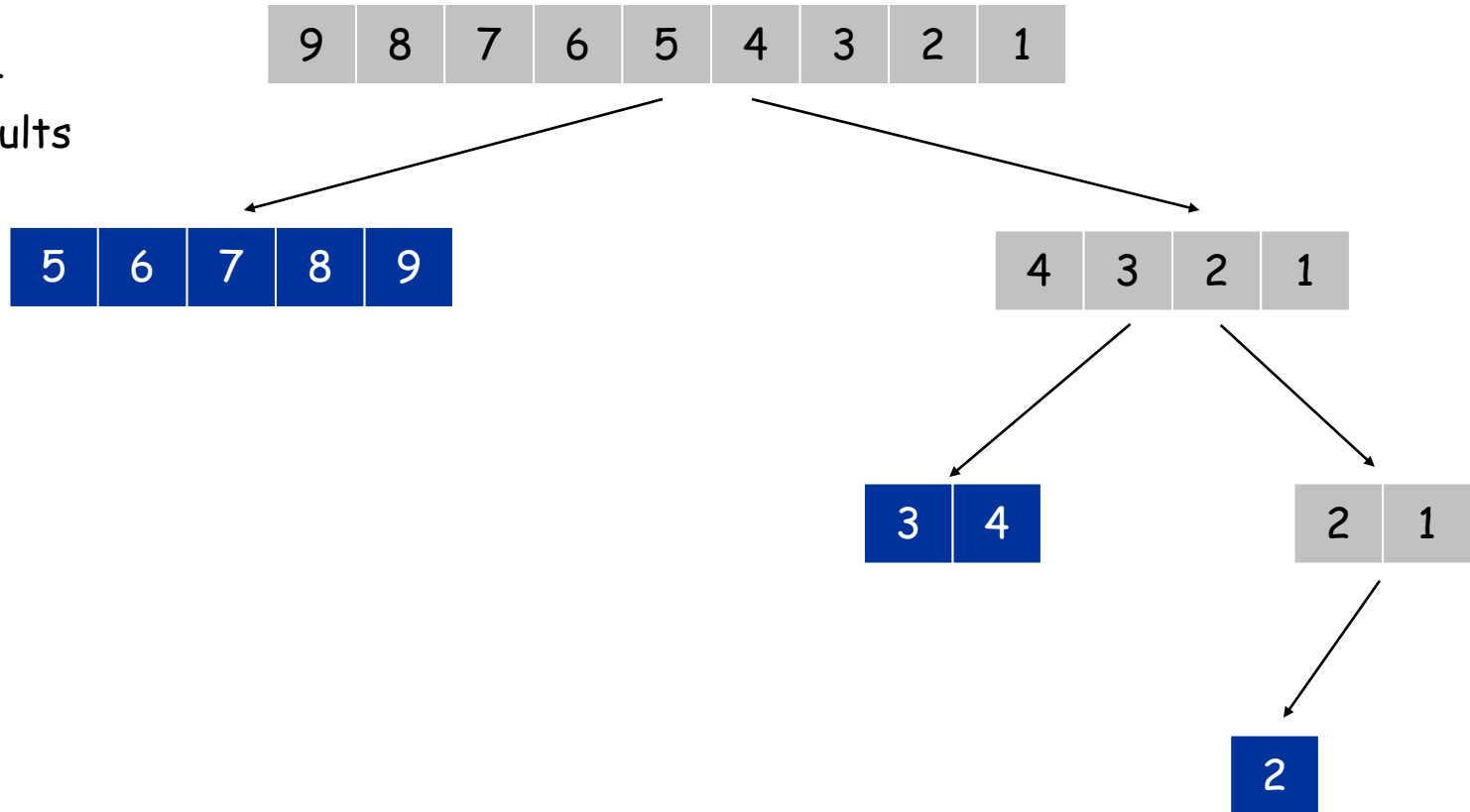
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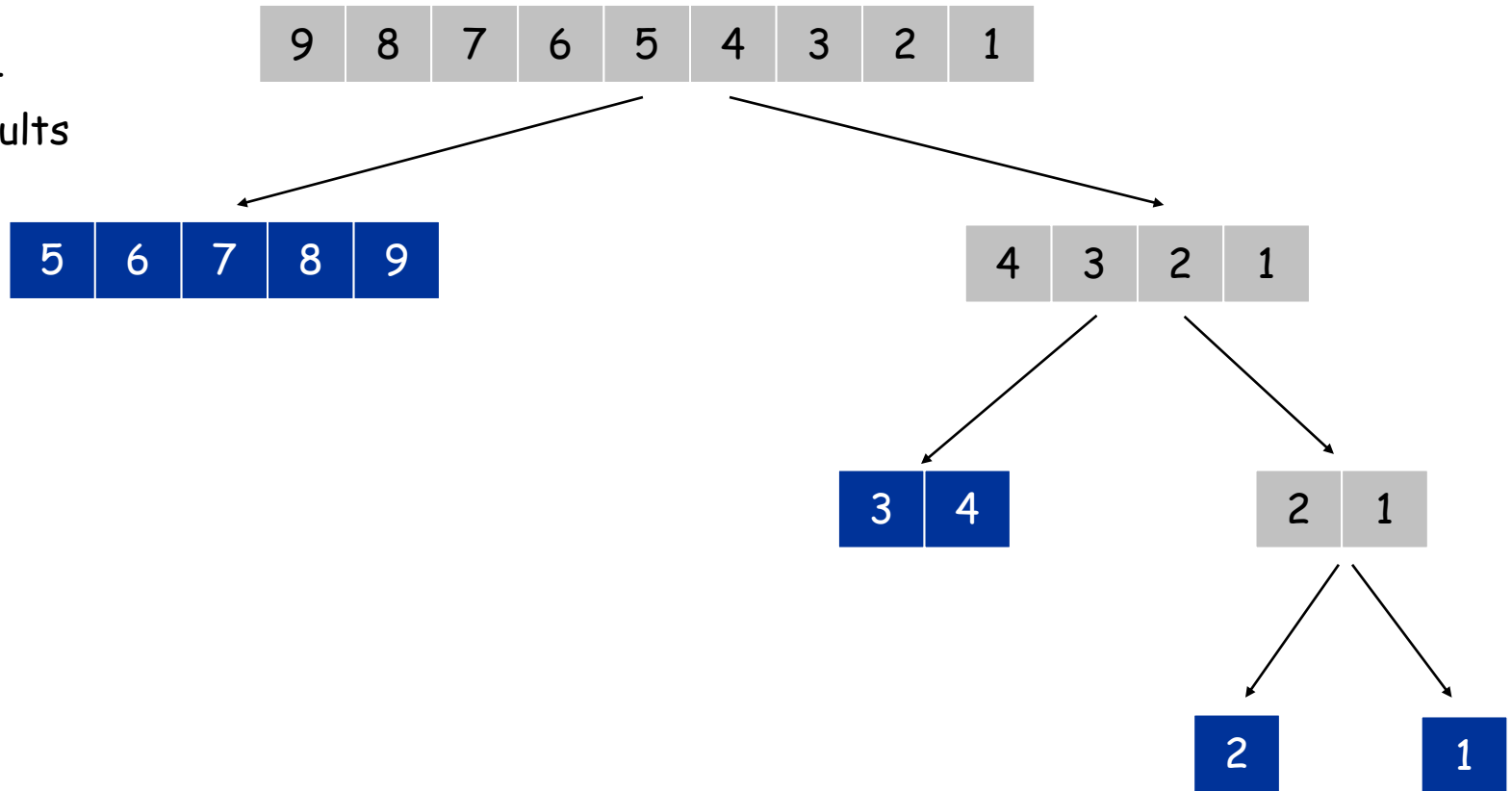
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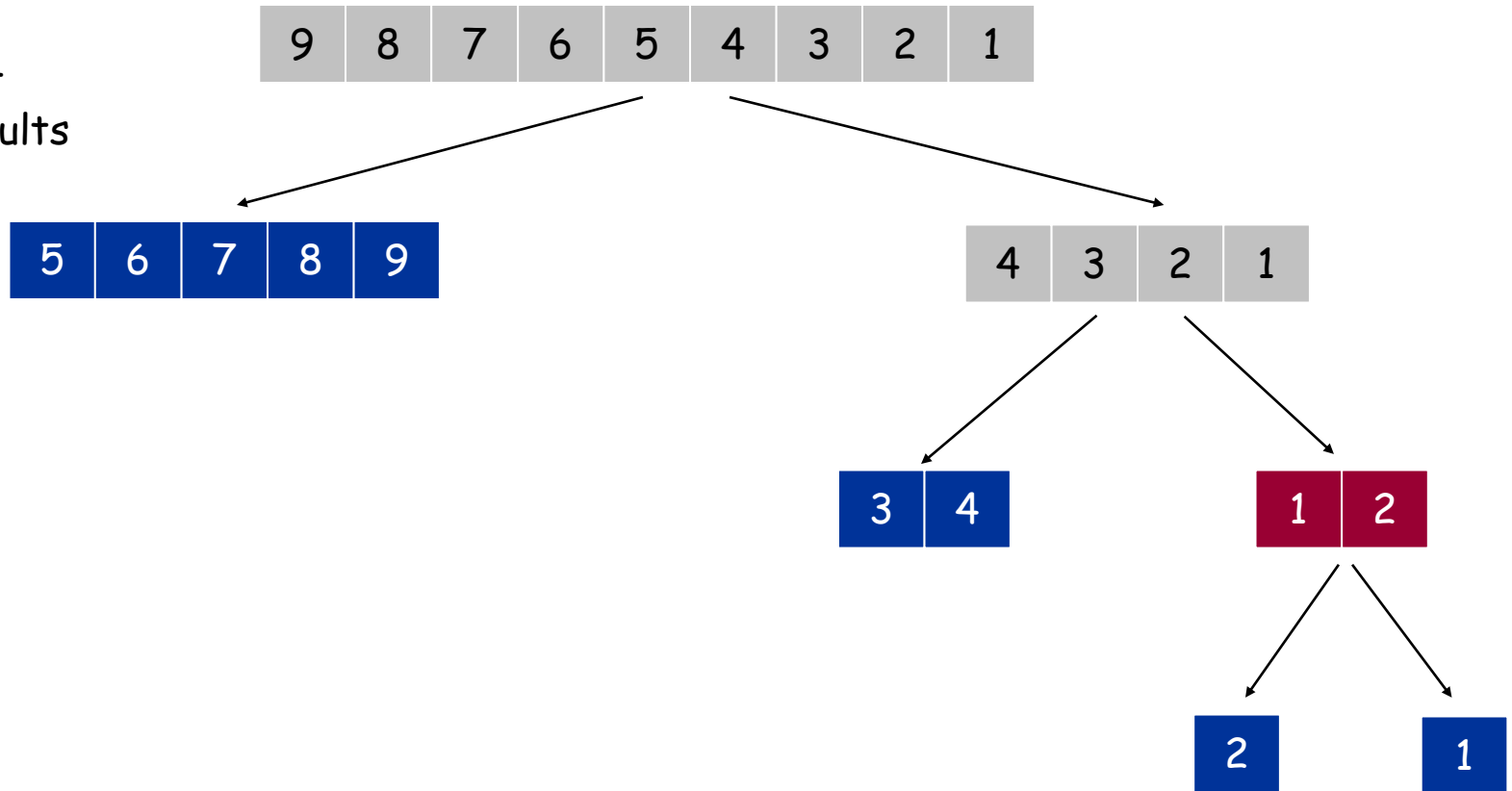
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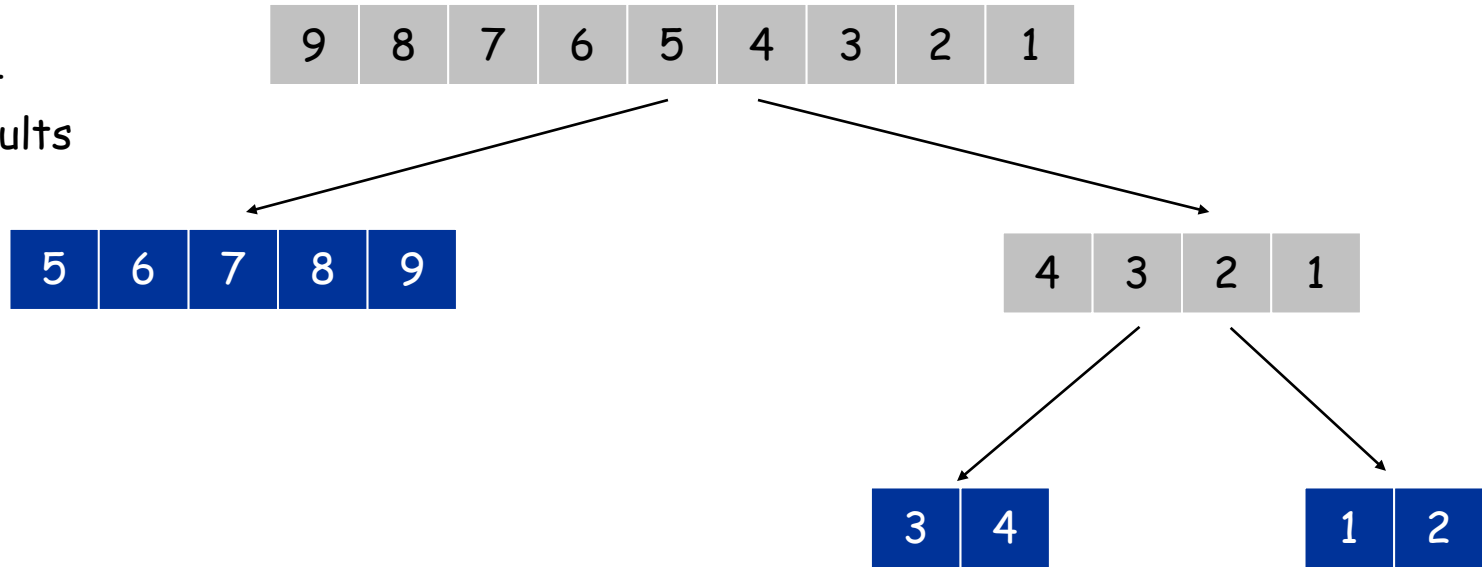
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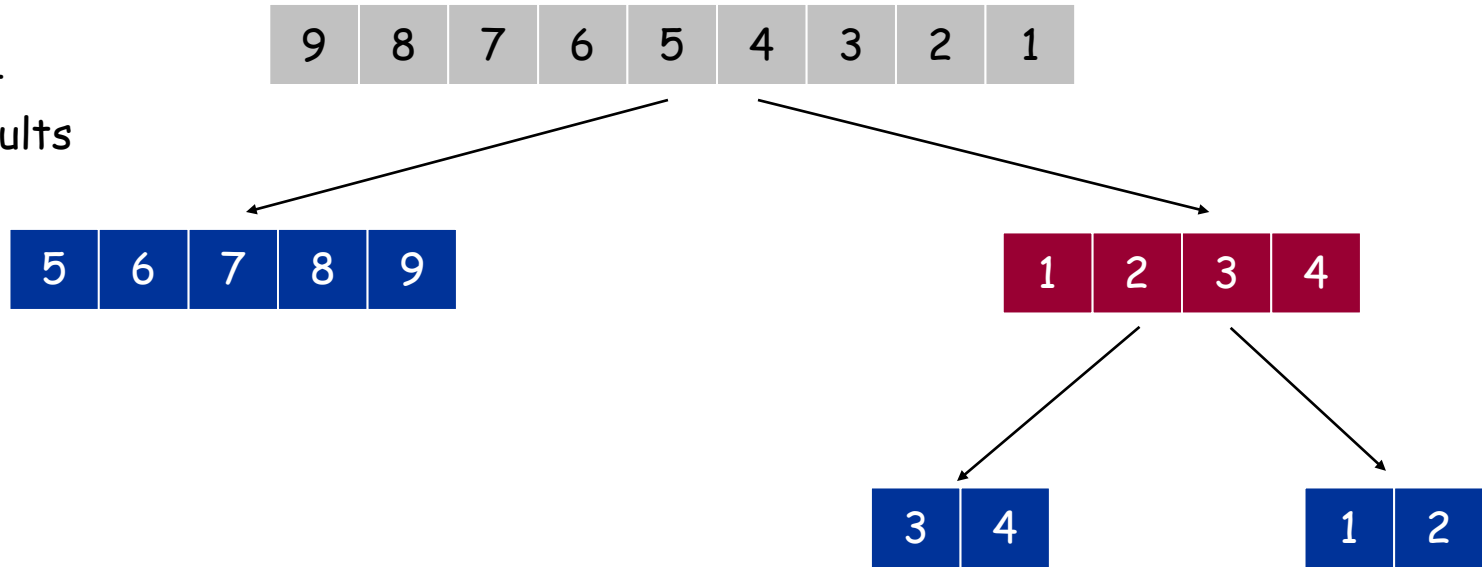
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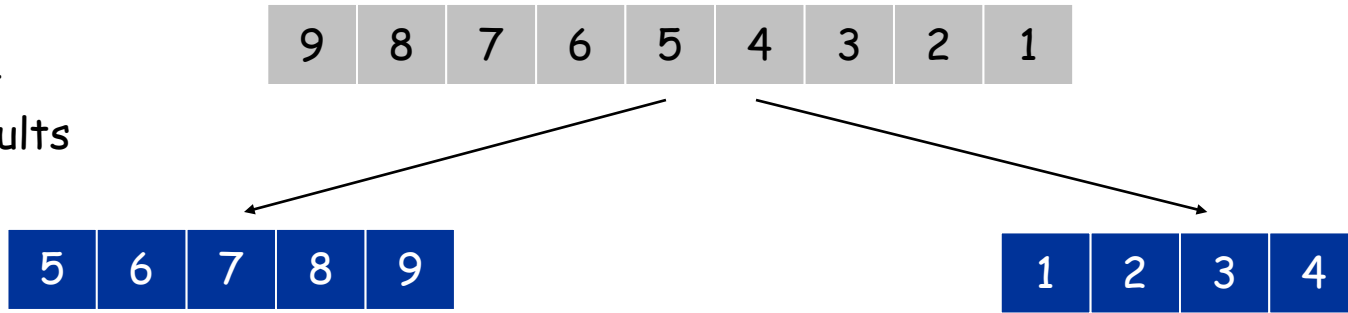
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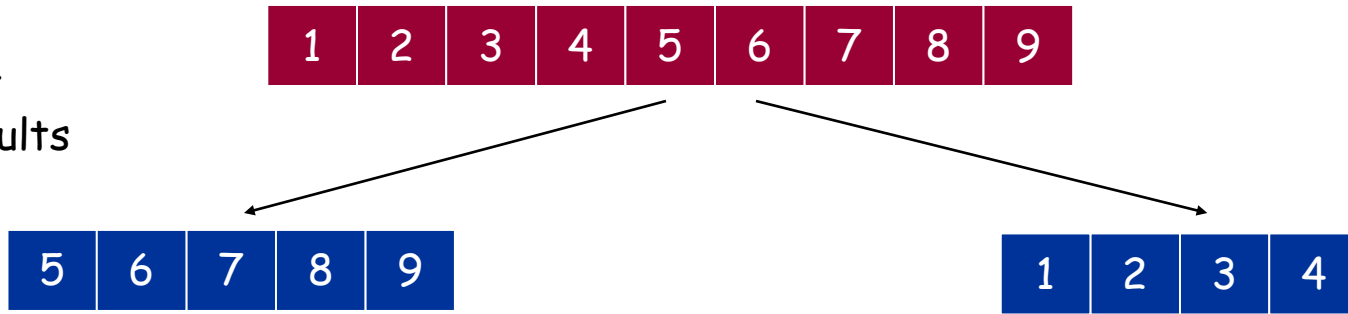
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1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

Mergesort: Example

