

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

Sorts Left

Sorts Right

Merges results

Mergesort: Example

Version of 15/01/18

1	5	4	8	10	2	6	9	12	11	3	7
---	---	---	---	----	---	---	---	----	----	---	---

Divide and conquer
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Sorts Left

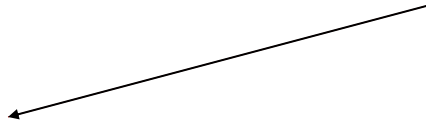
Sorts Right

Merges results

Mergesort: Example

1	5	4	8	10	2	6	9	12	11	3	7
---	---	---	---	----	---	---	---	----	----	---	---

1	5	4	8	10	2
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1	5	4	8	10	2	6	9	12	11	3	7
---	---	---	---	----	---	---	---	----	----	---	---



1	5	4	8	10	2
---	---	---	---	----	---

1	5	4
---	---	---

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1	5	4	8	10	2	6	9	12	11	3	7
---	---	---	---	----	---	---	---	----	----	---	---



1	5	4	8	10	2
---	---	---	---	----	---



1	5	4
---	---	---



1	5
---	---

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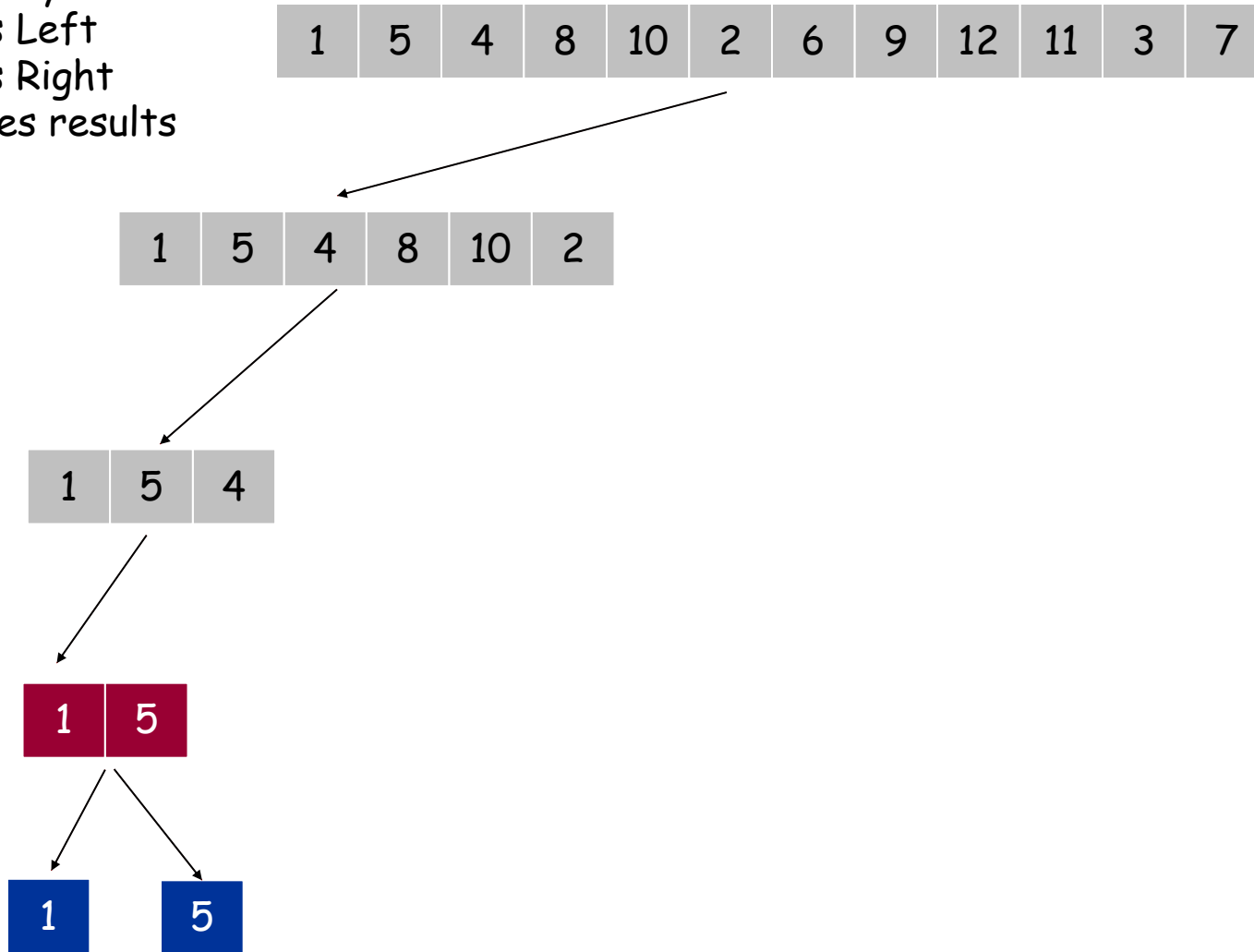
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---	---	---	---	----	---	---	---	----	----	---	---



1	5	4	8	10	2
---	---	---	---	----	---



1	5	4
---	---	---



1	5
---	---

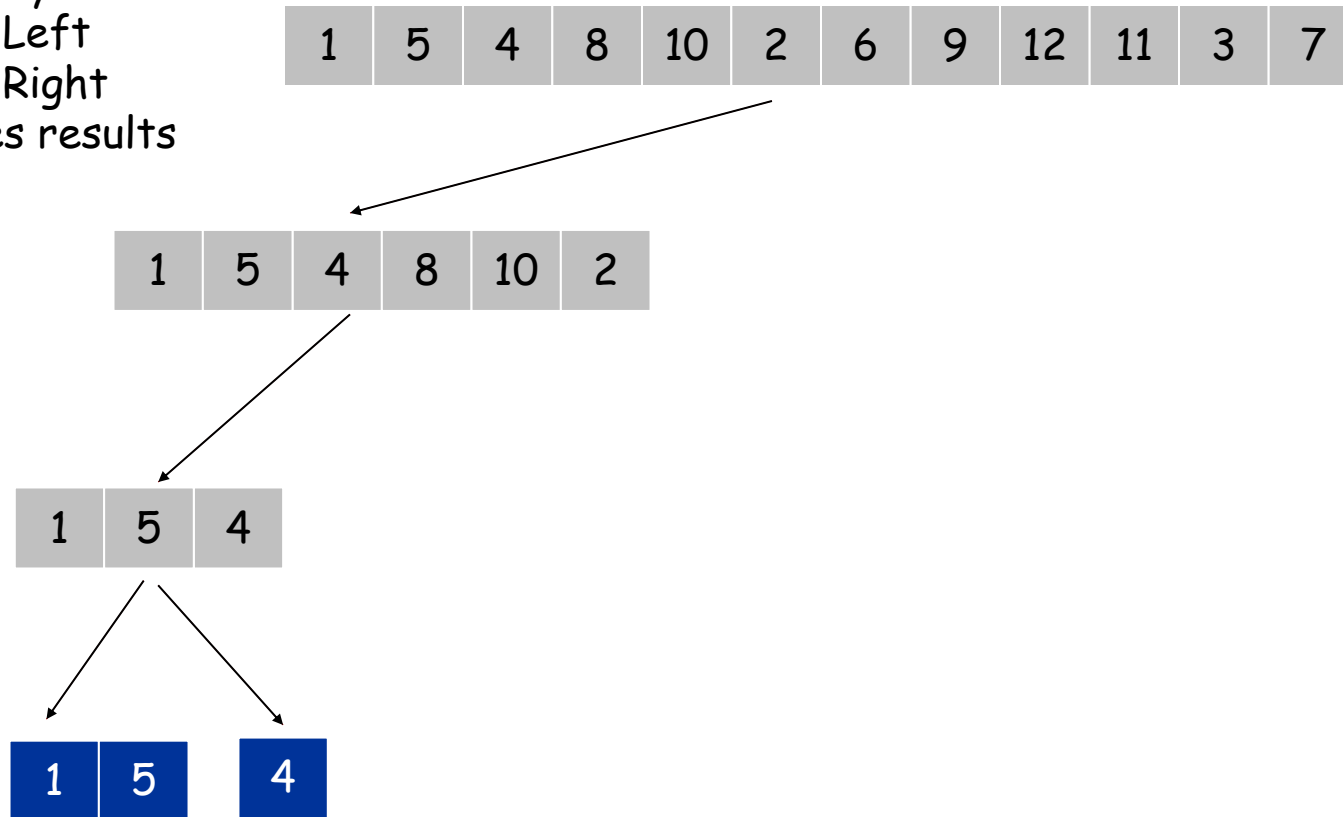
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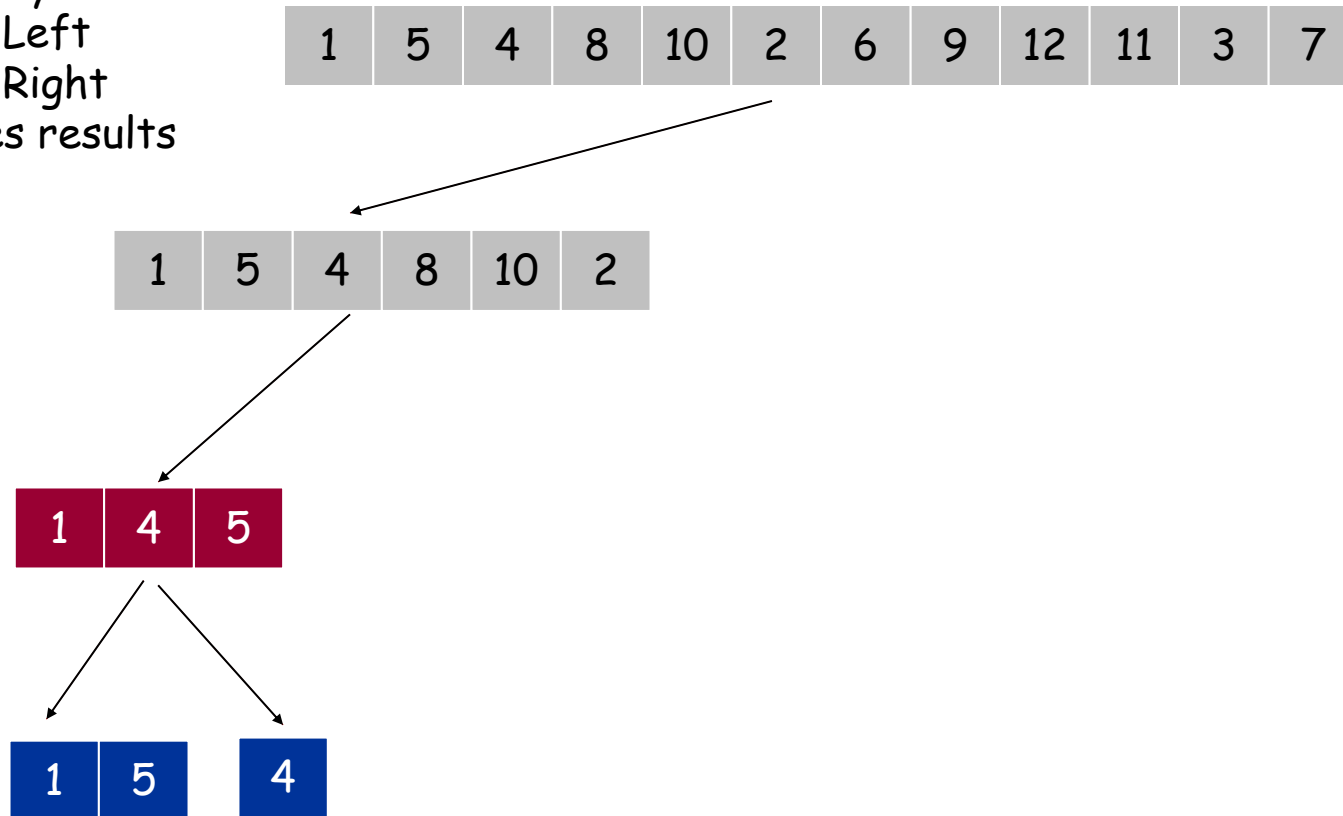
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---	---	---	---	----	---	---	---	----	----	---	---



1	5	4	8	10	2
---	---	---	---	----	---

1	4	5
---	---	---

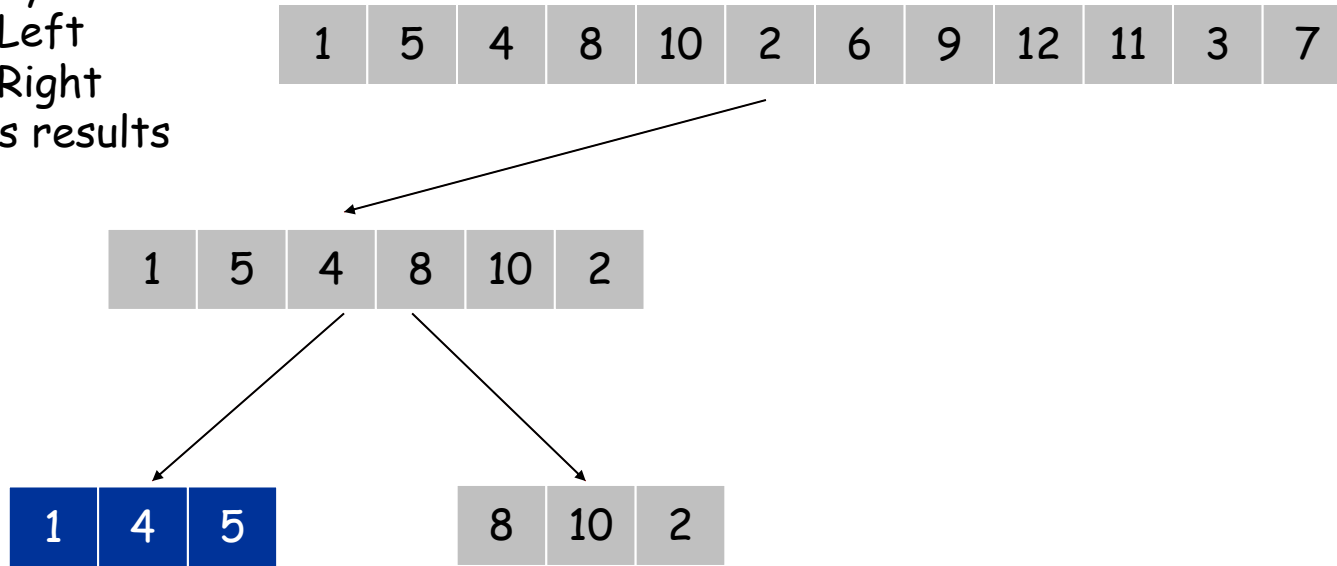
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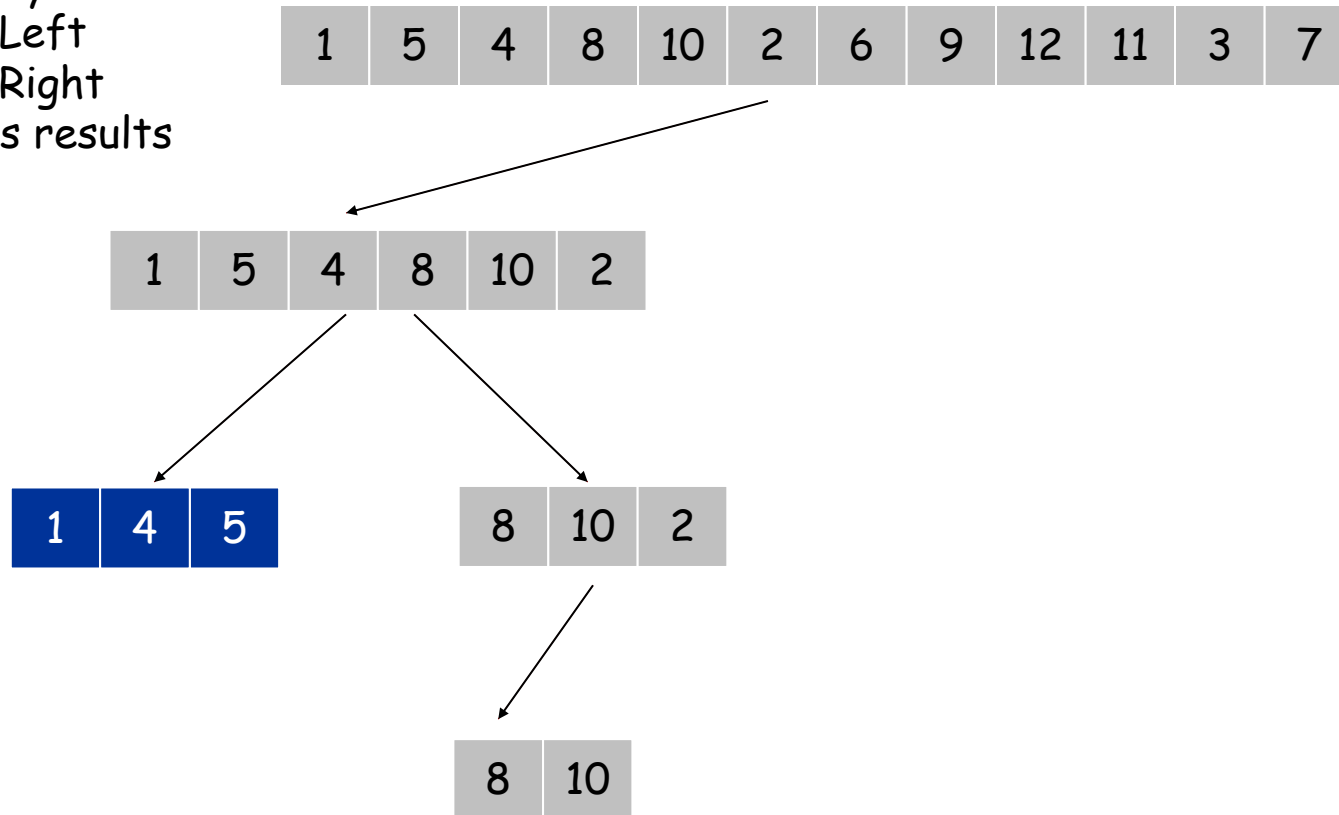
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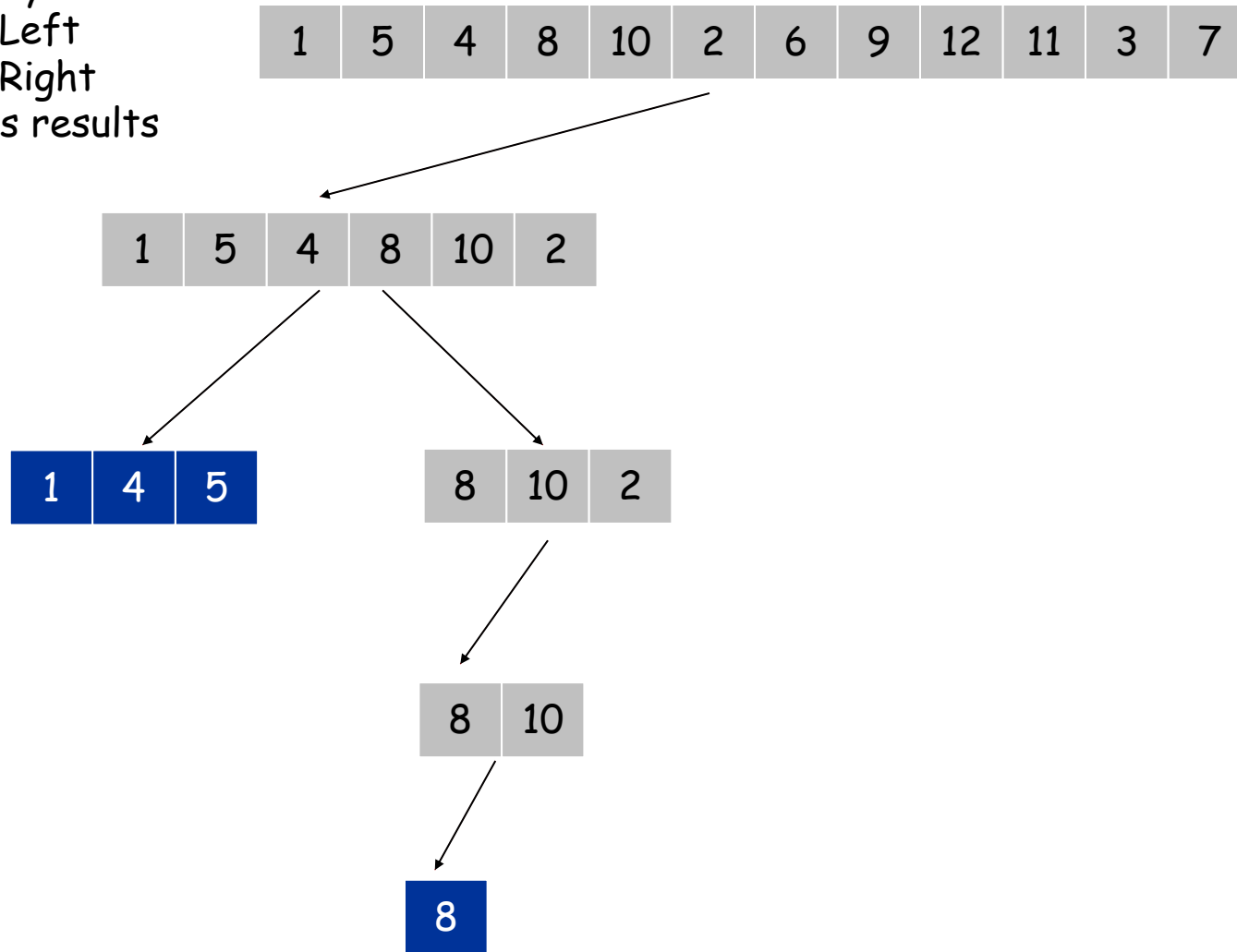
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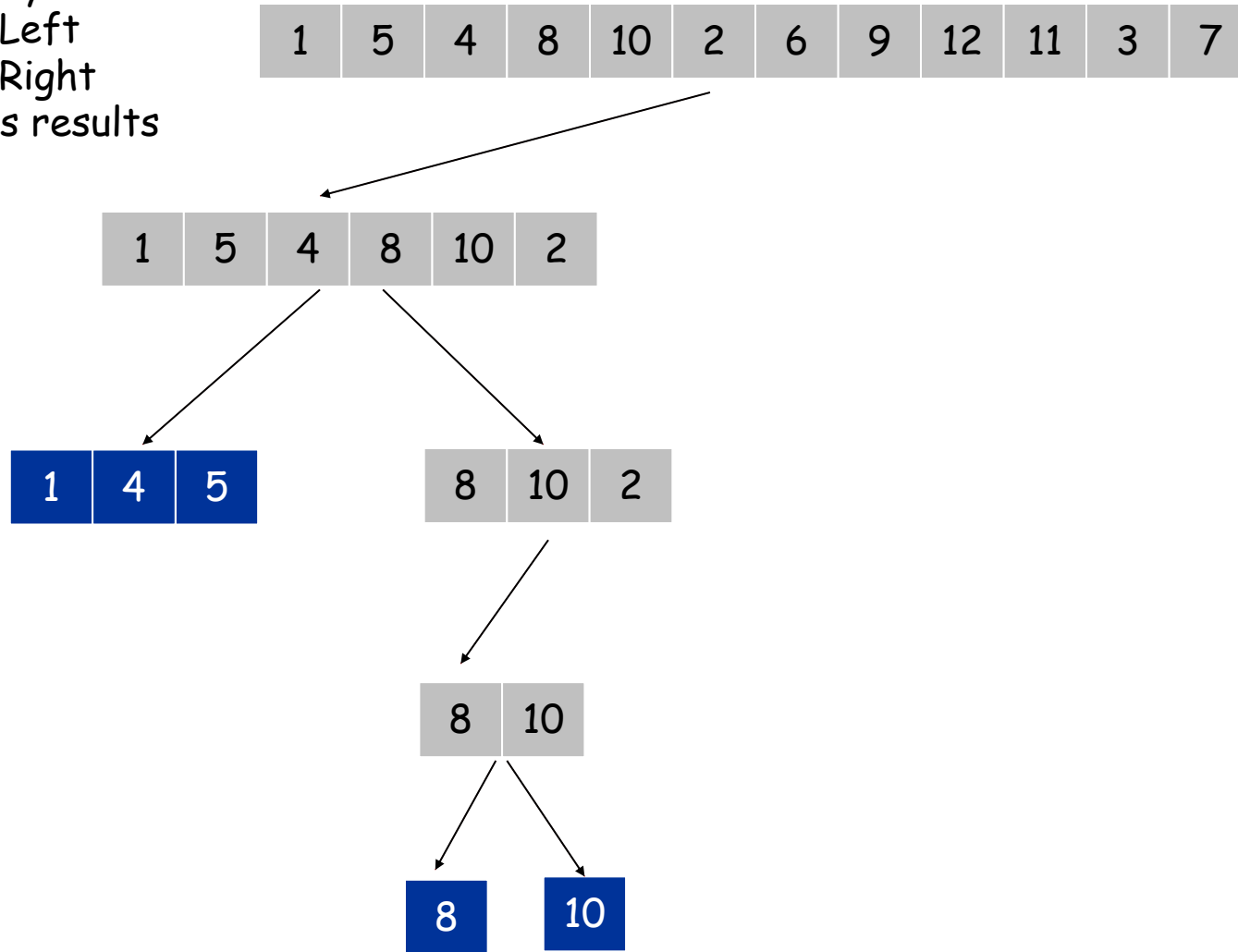
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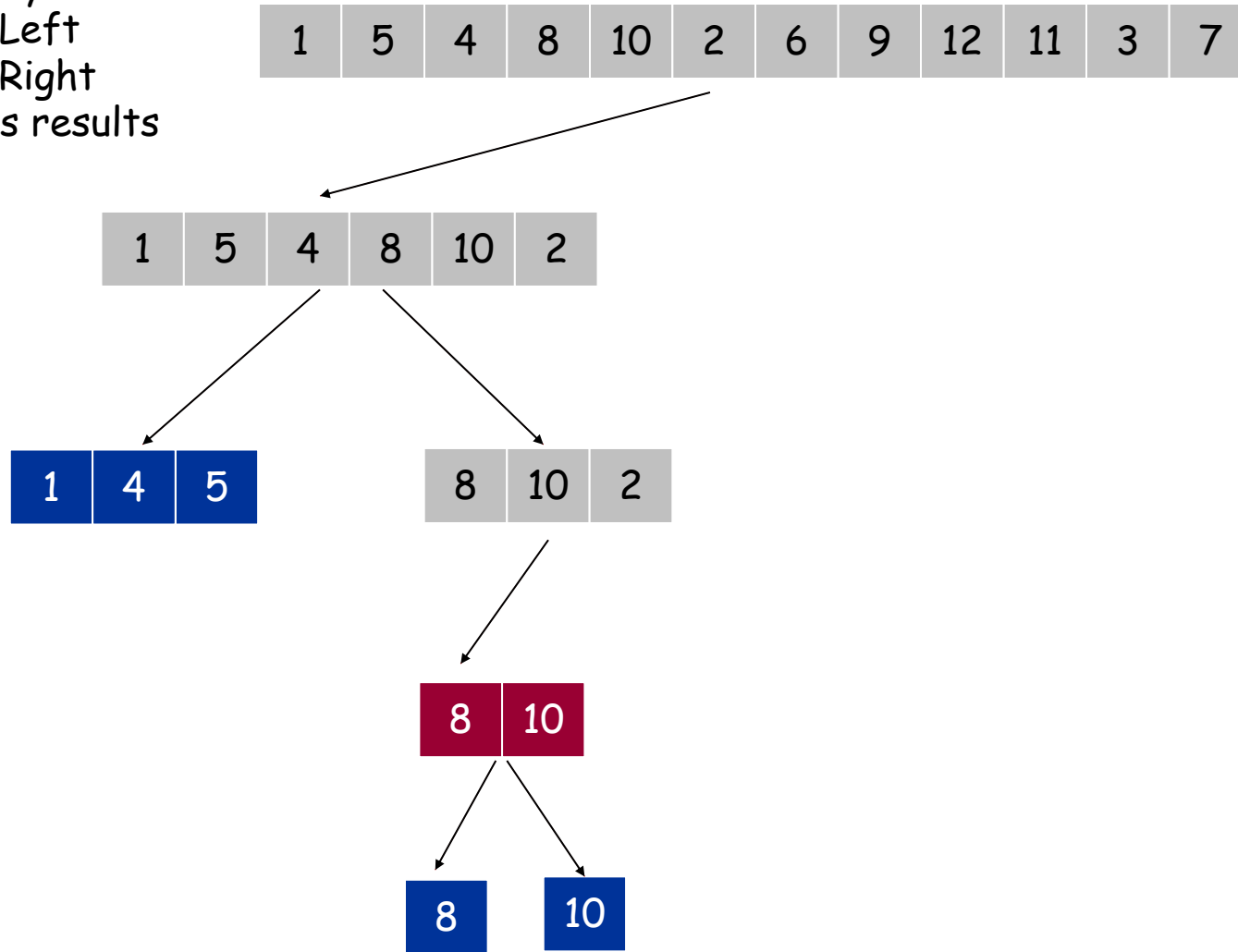
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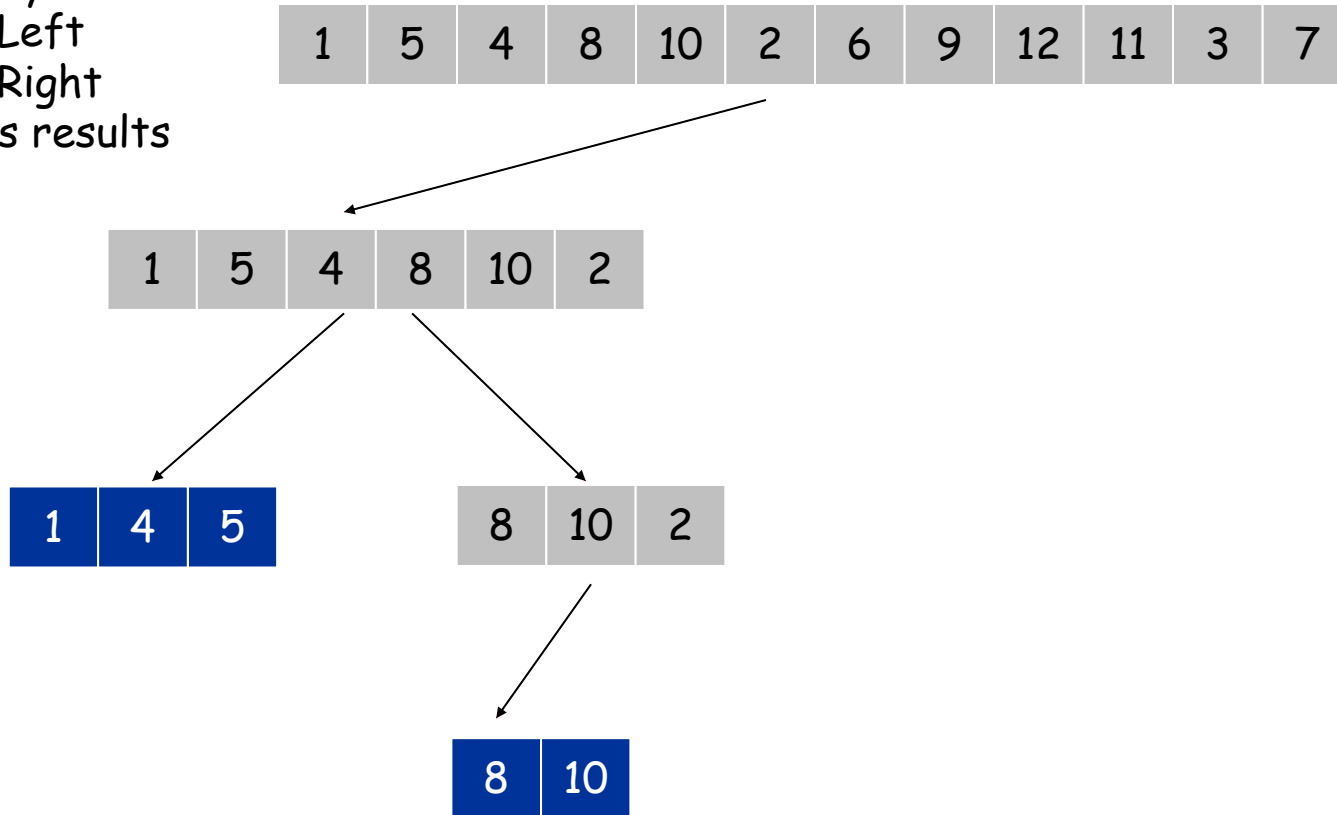
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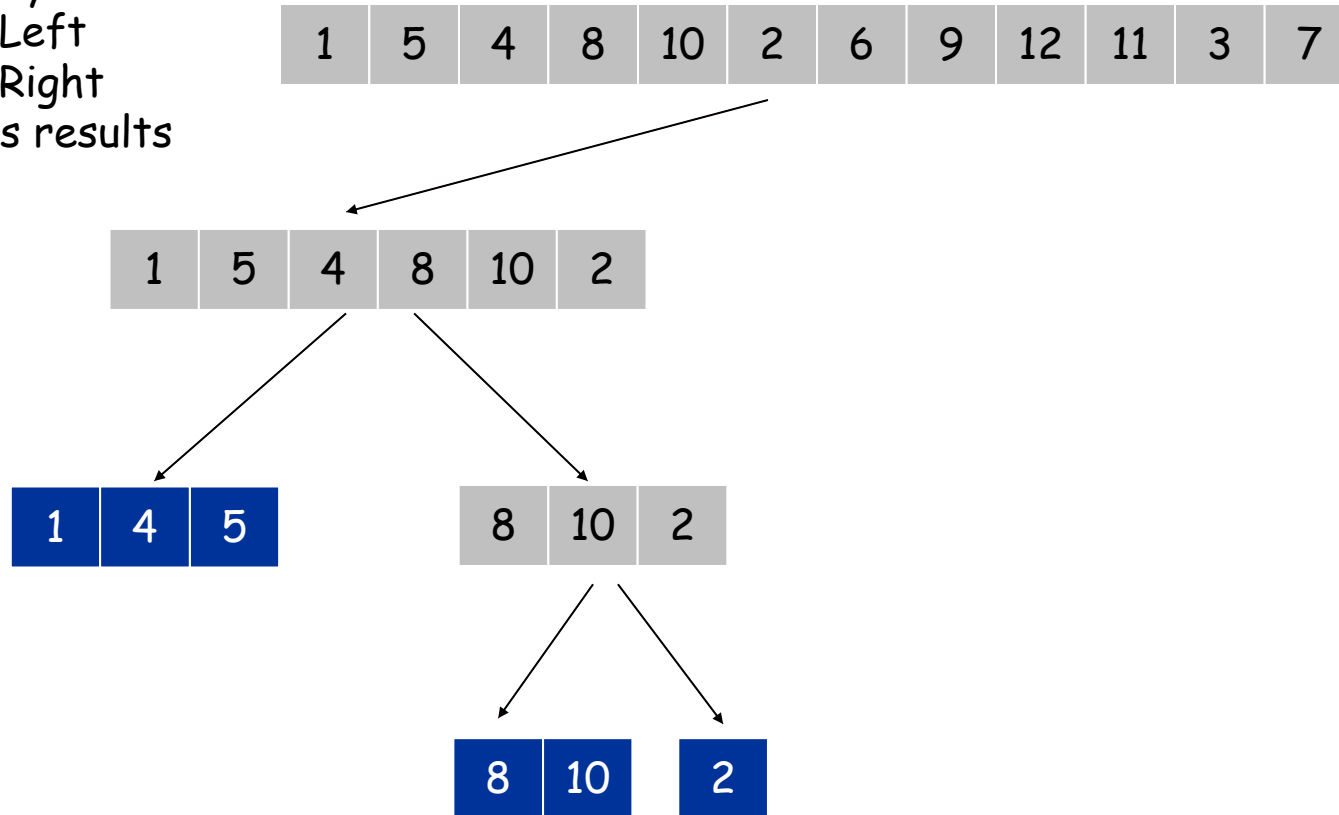
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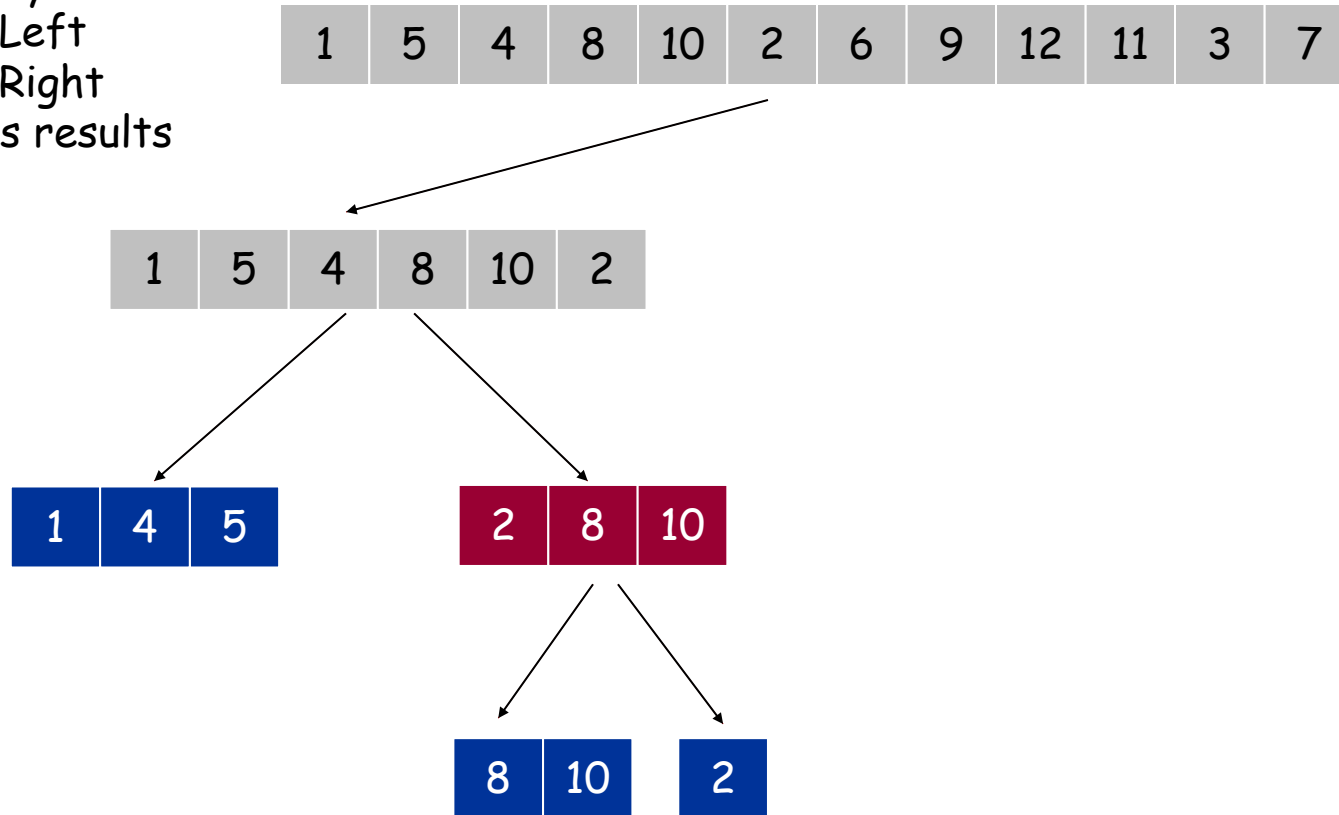
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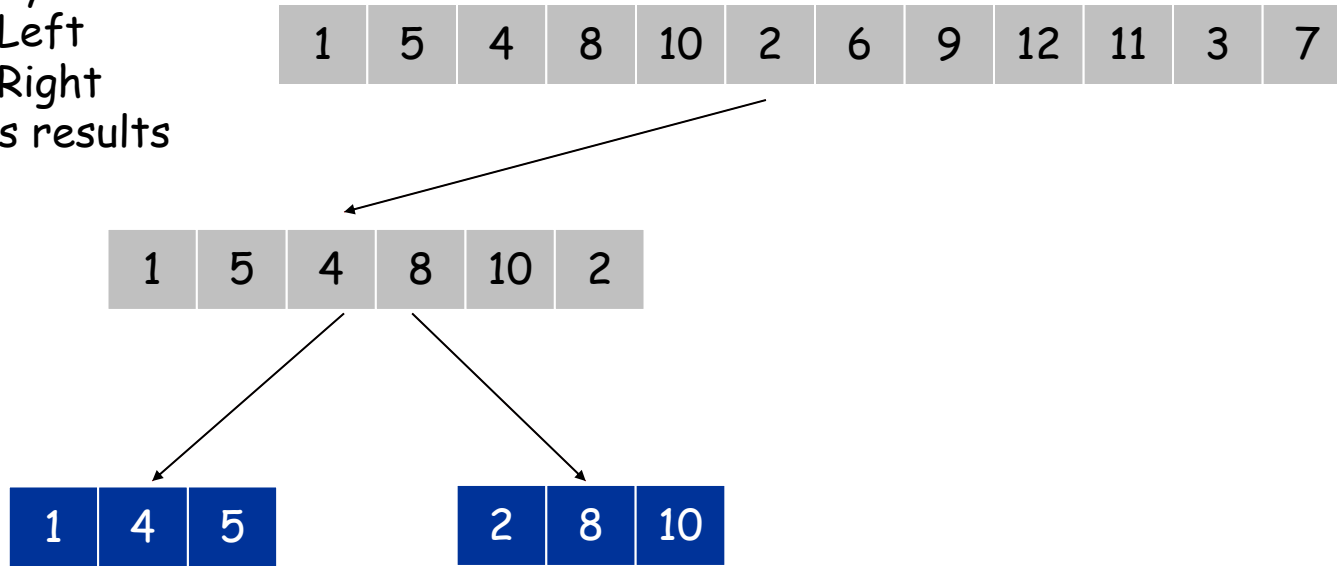
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1	5	4	8	10	2	6	9	12	11	3	7
---	---	---	---	----	---	---	---	----	----	---	---

1	2	4	5	8	10
---	---	---	---	---	----

1	4	5
---	---	---

2	8	10
---	---	----

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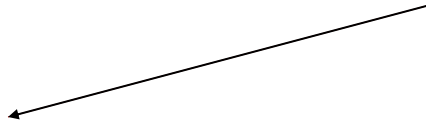
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1	5	4	8	10	2	6	9	12	11	3	7
---	---	---	---	----	---	---	---	----	----	---	---

1	2	4	5	8	10
---	---	---	---	---	----



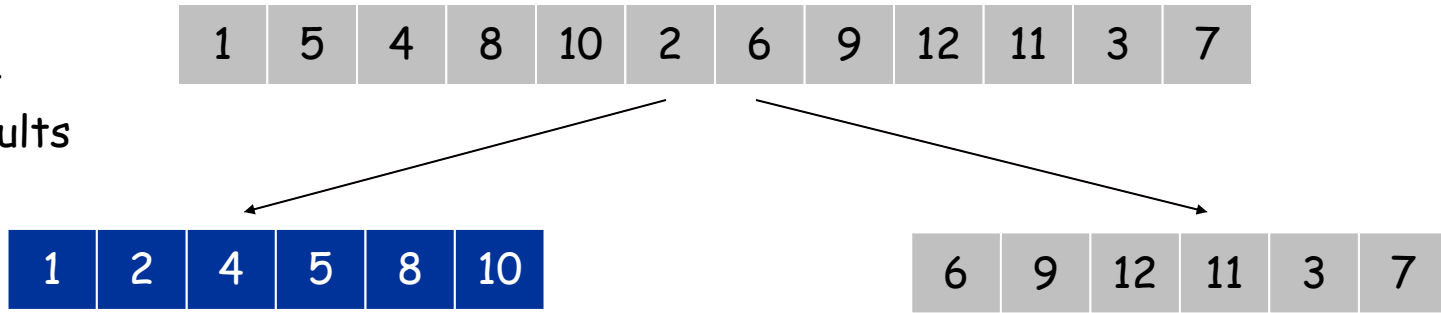
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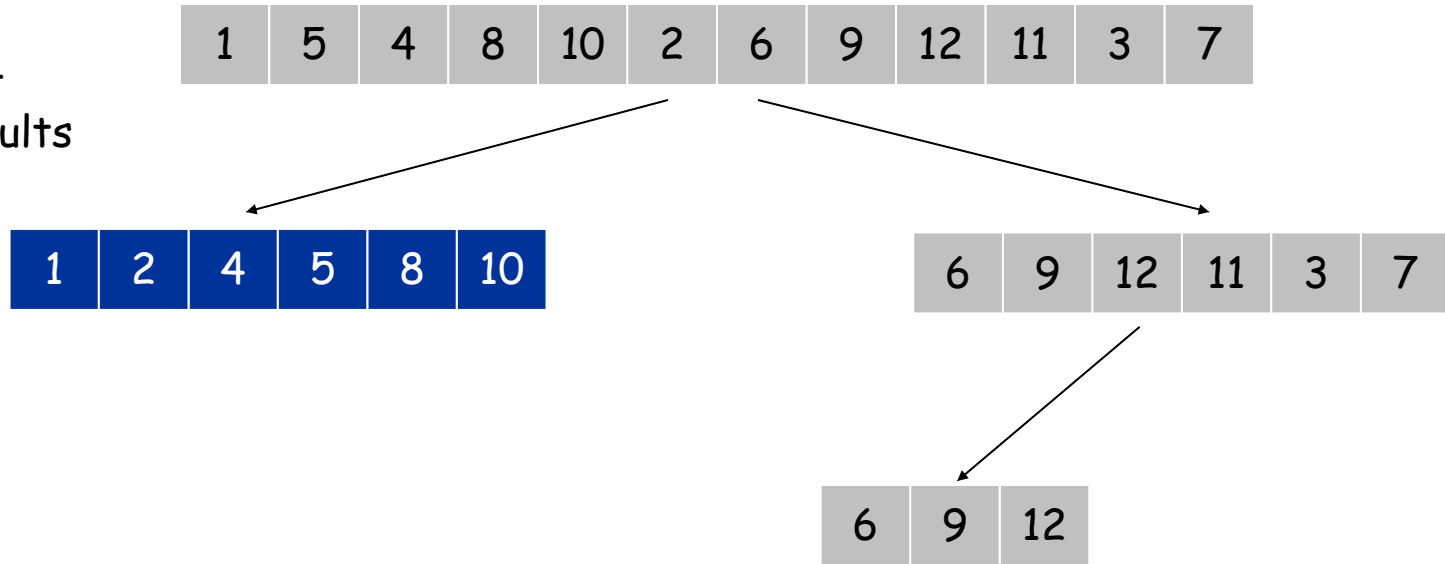
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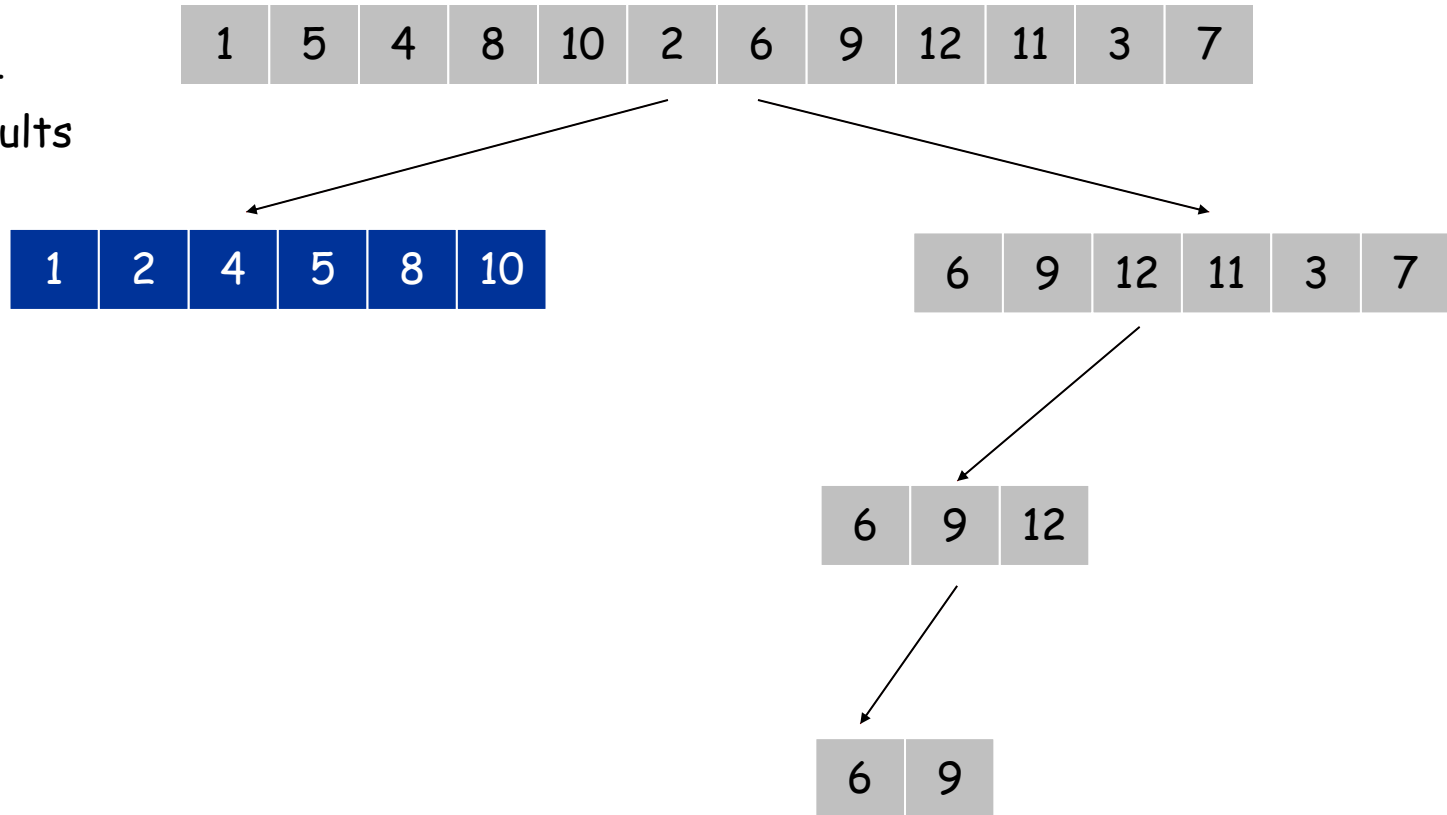
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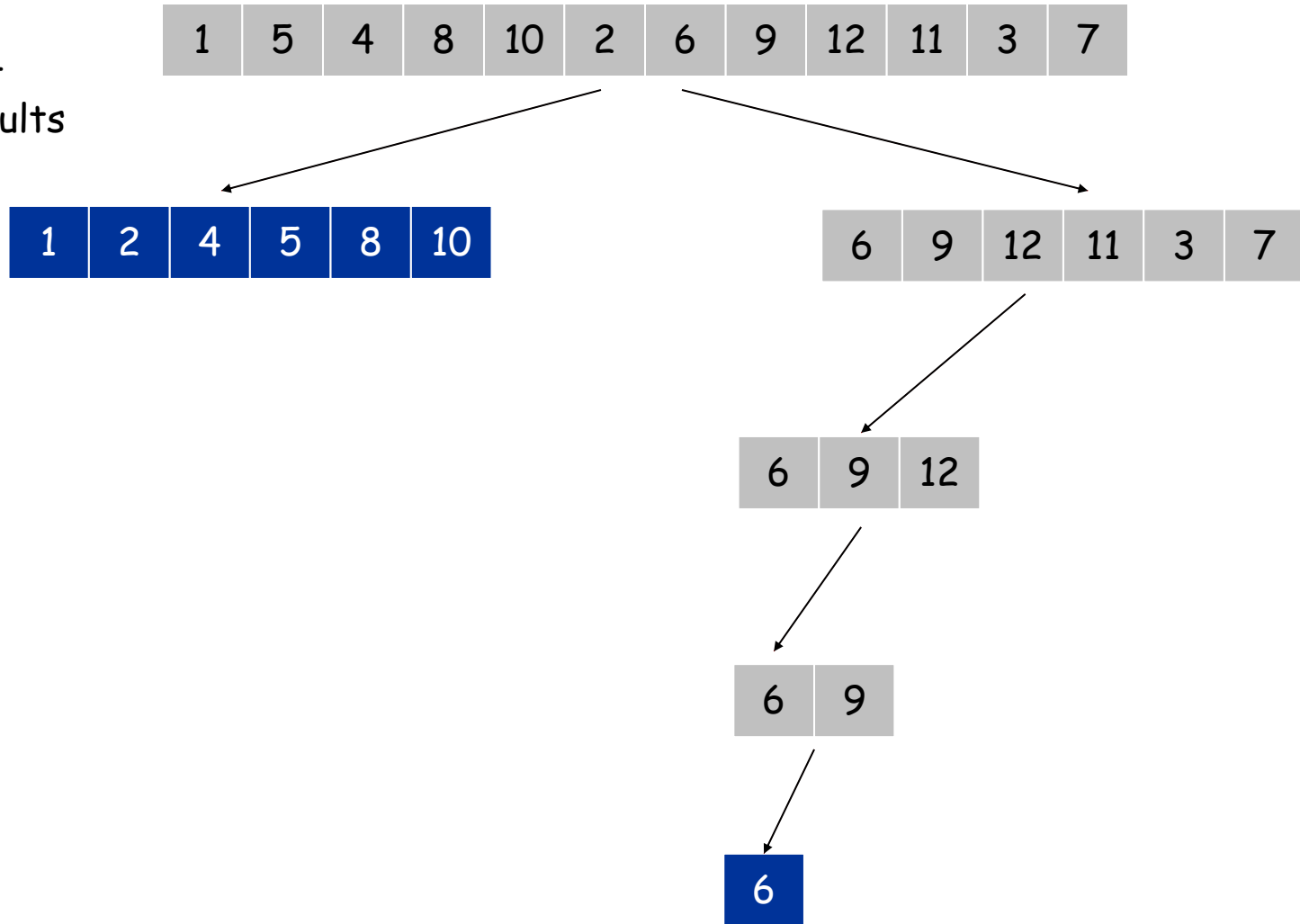
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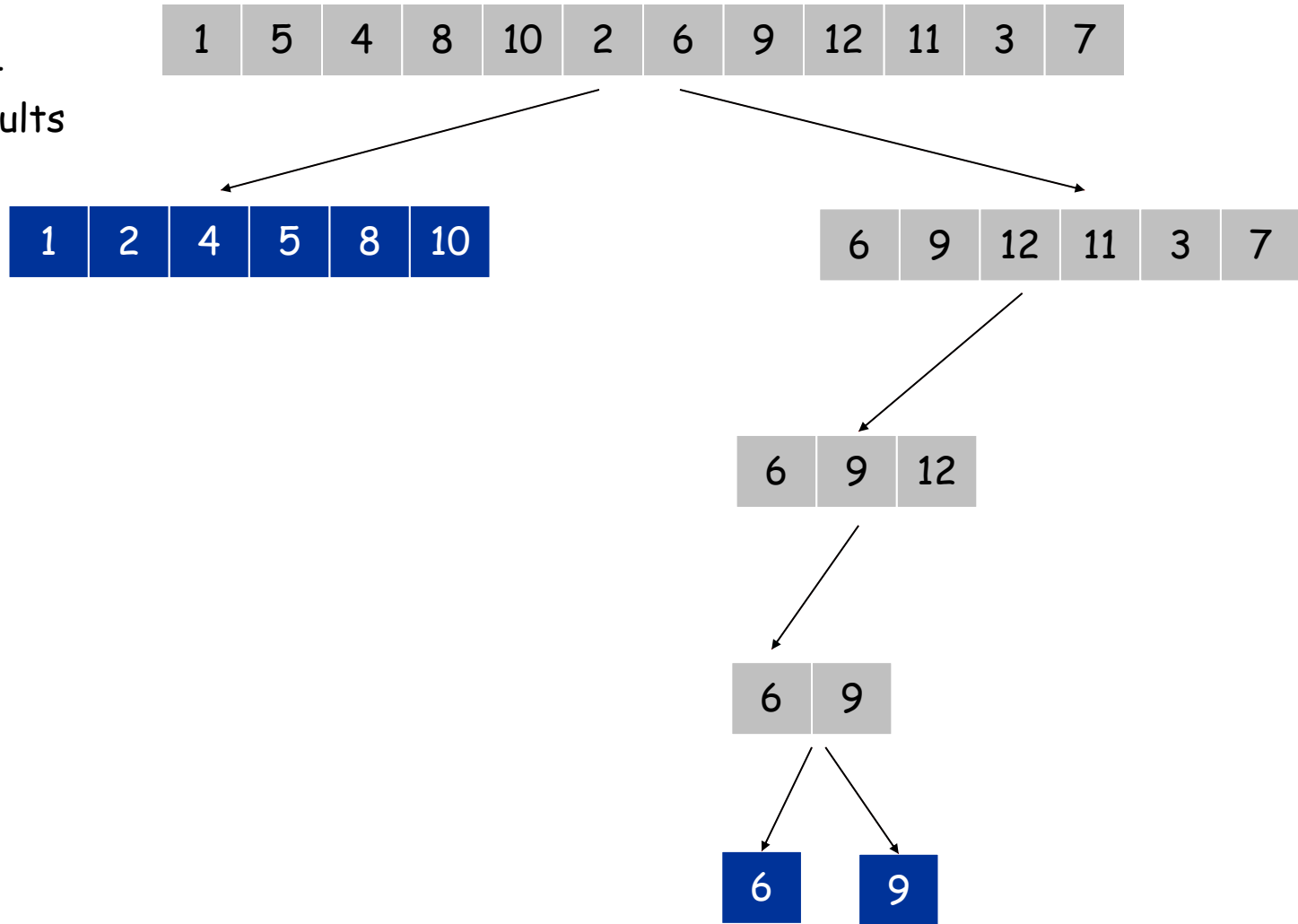
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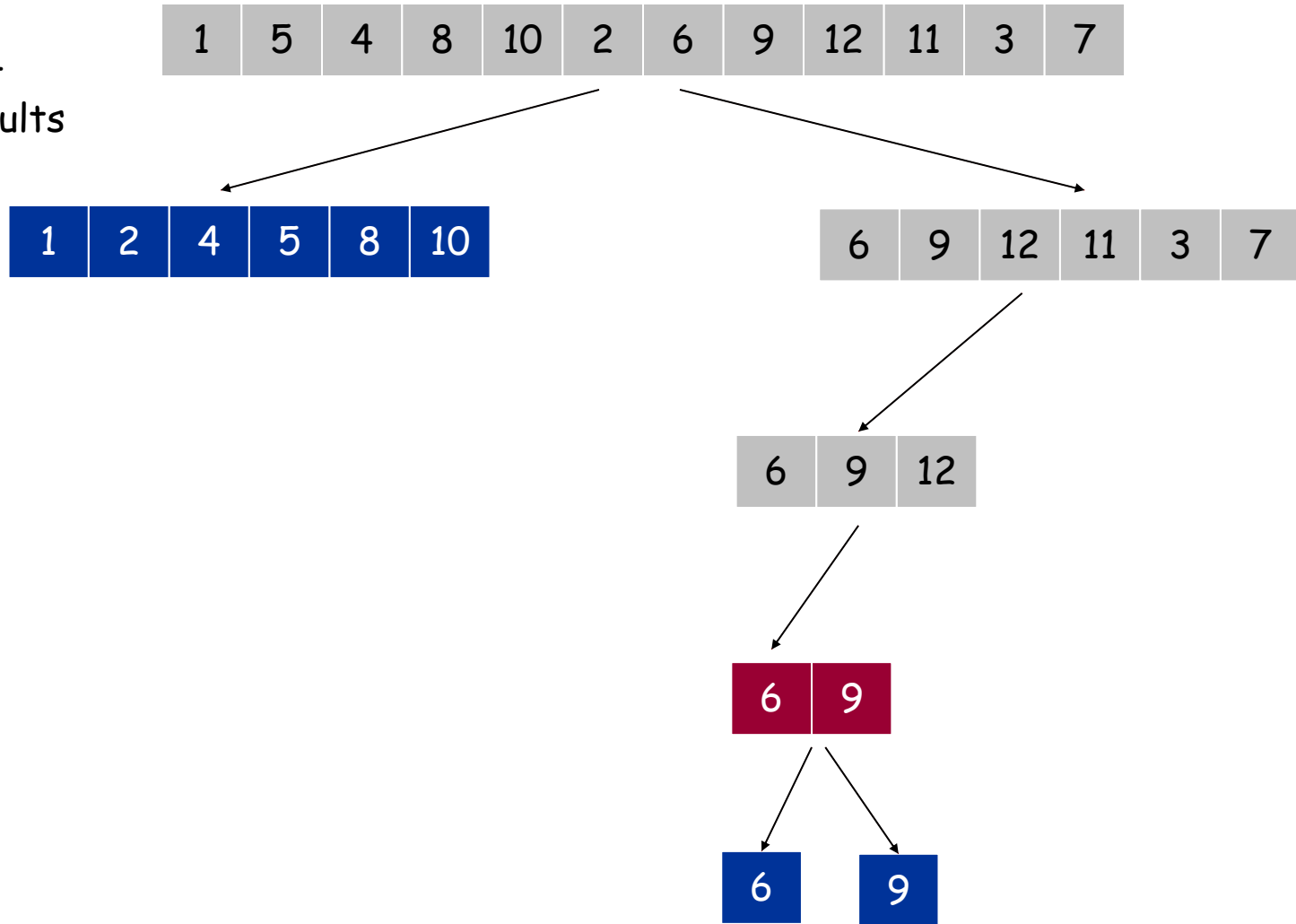
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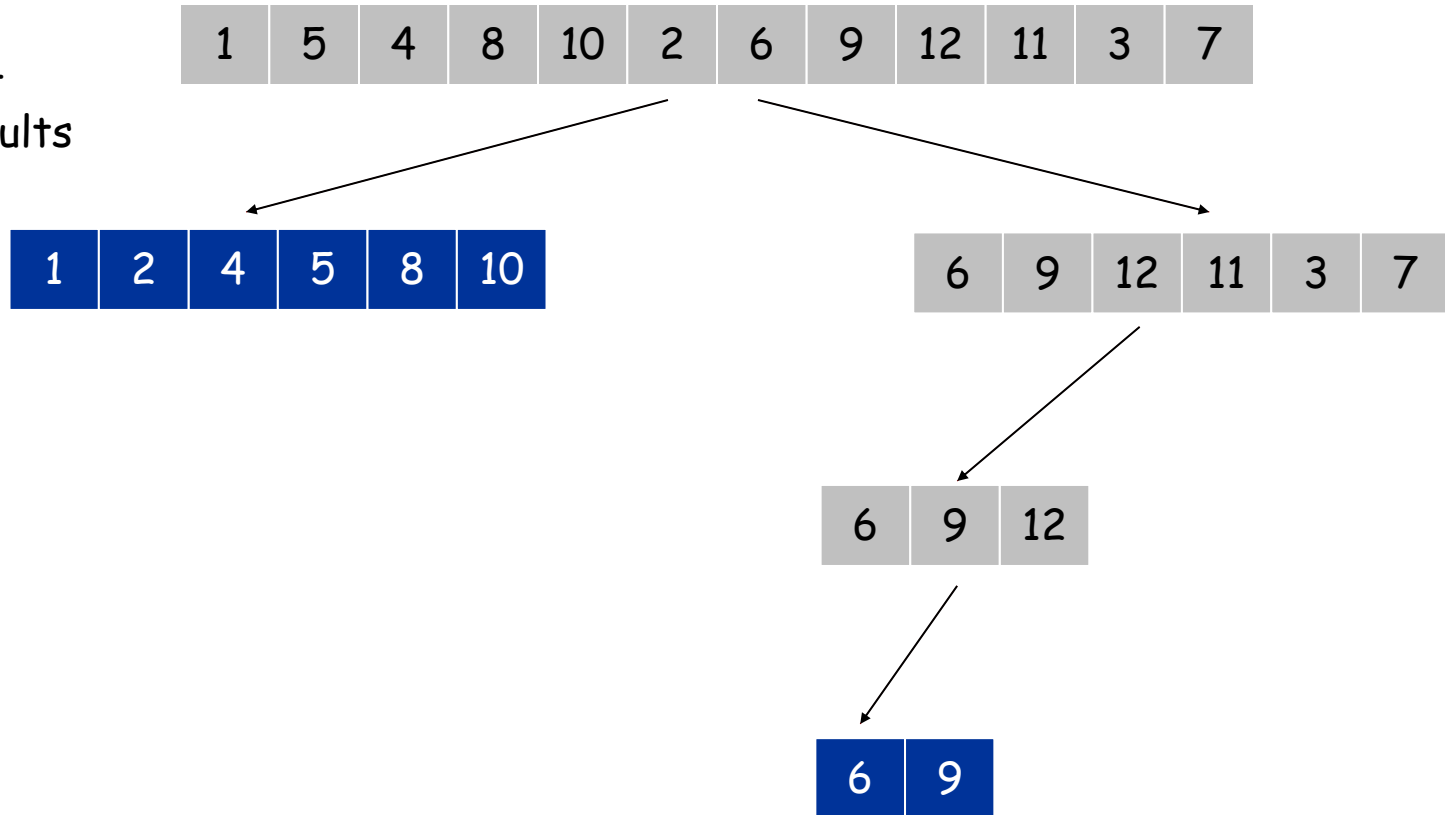
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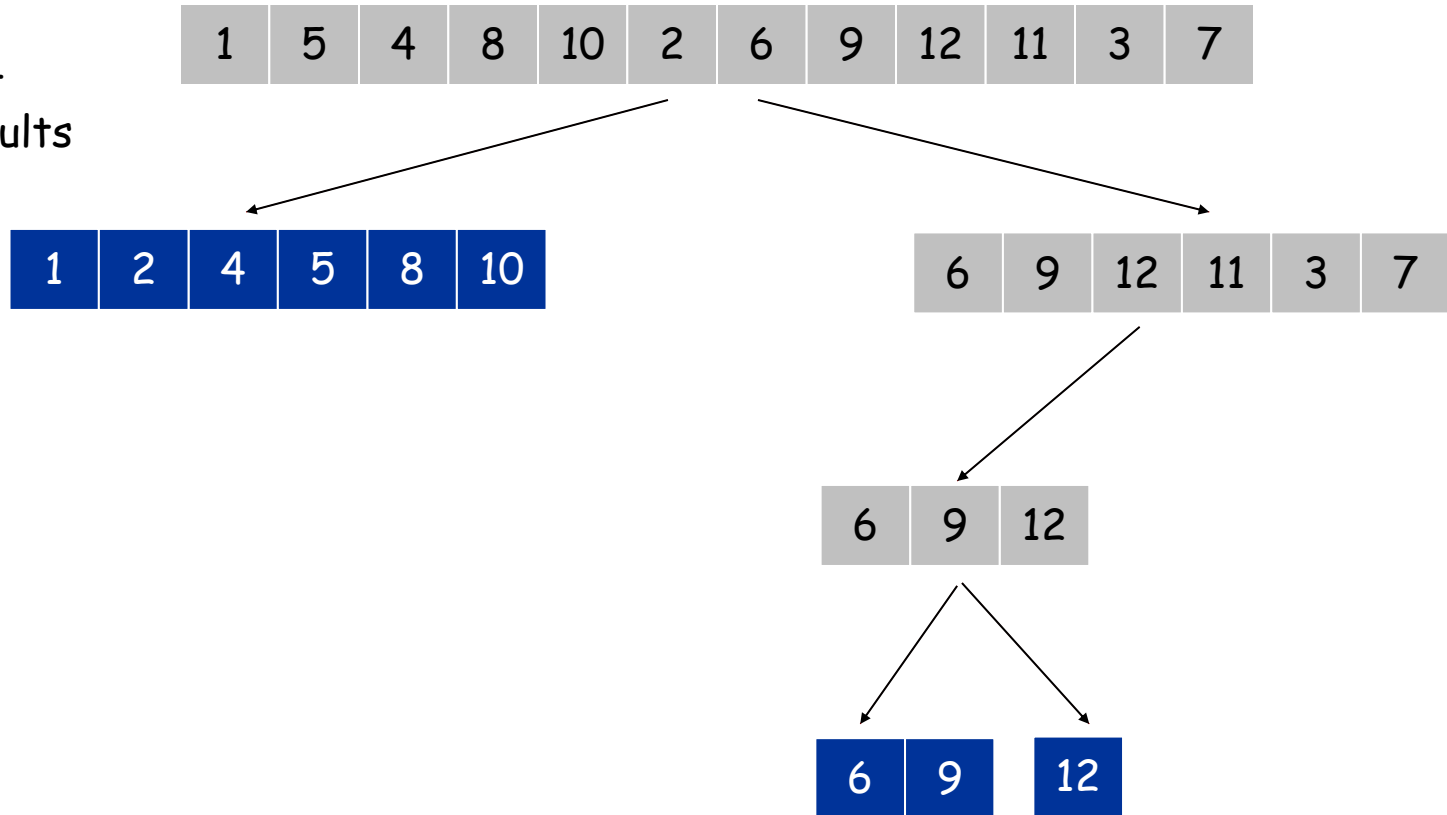
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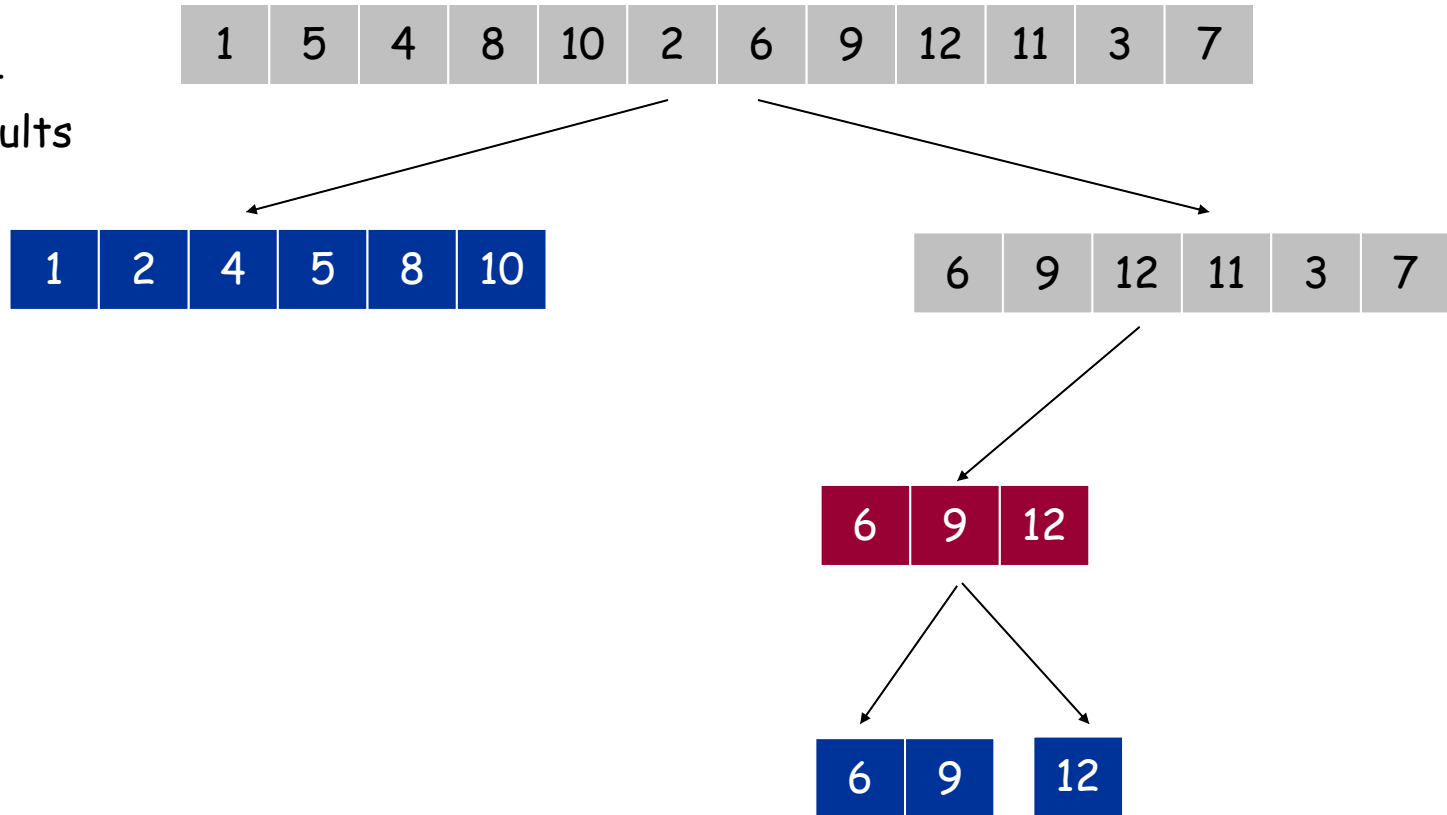
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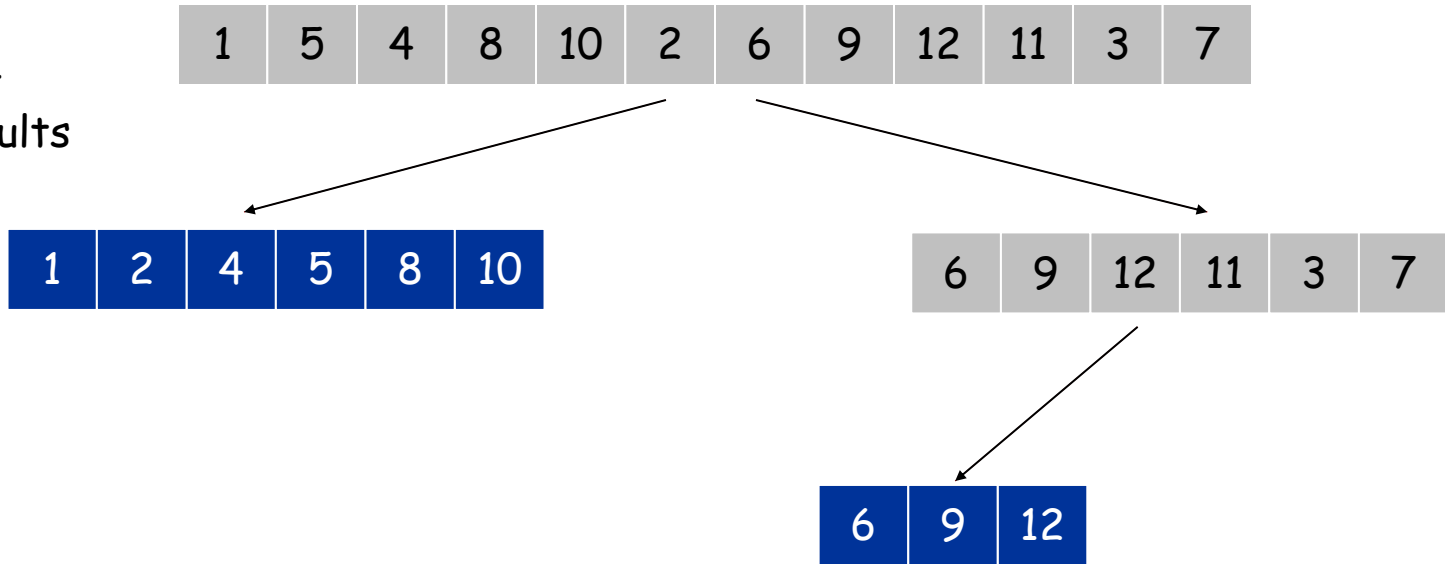
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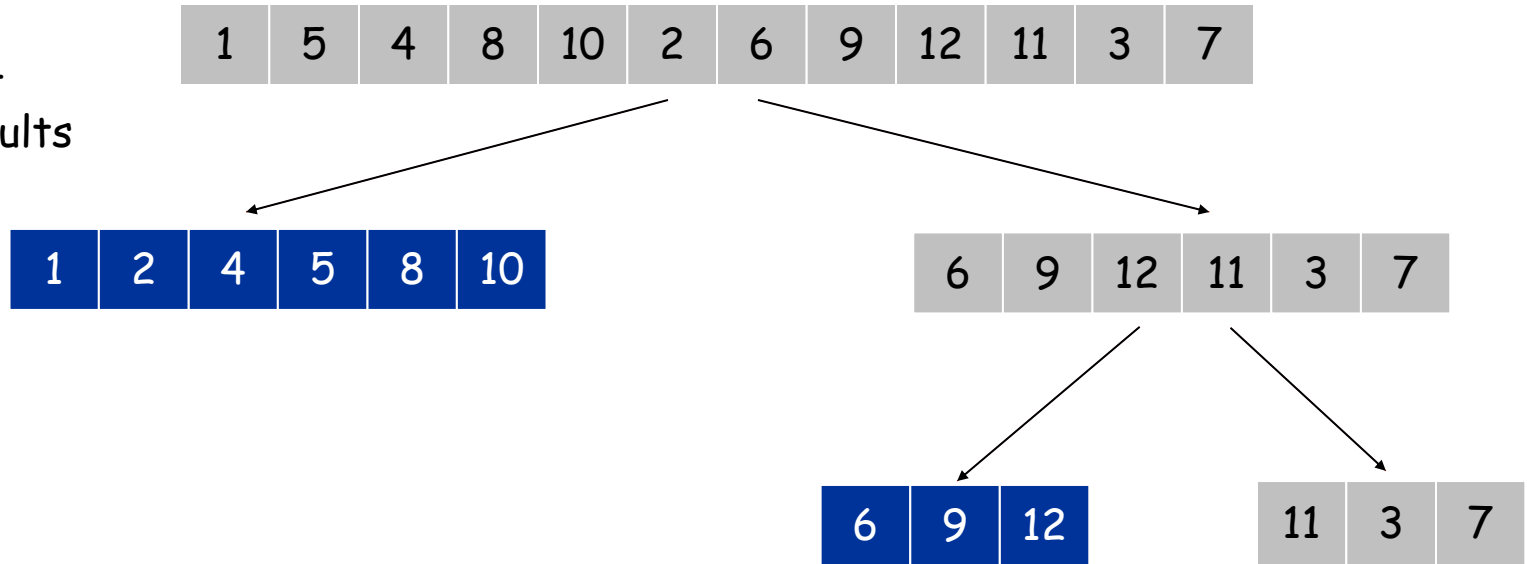
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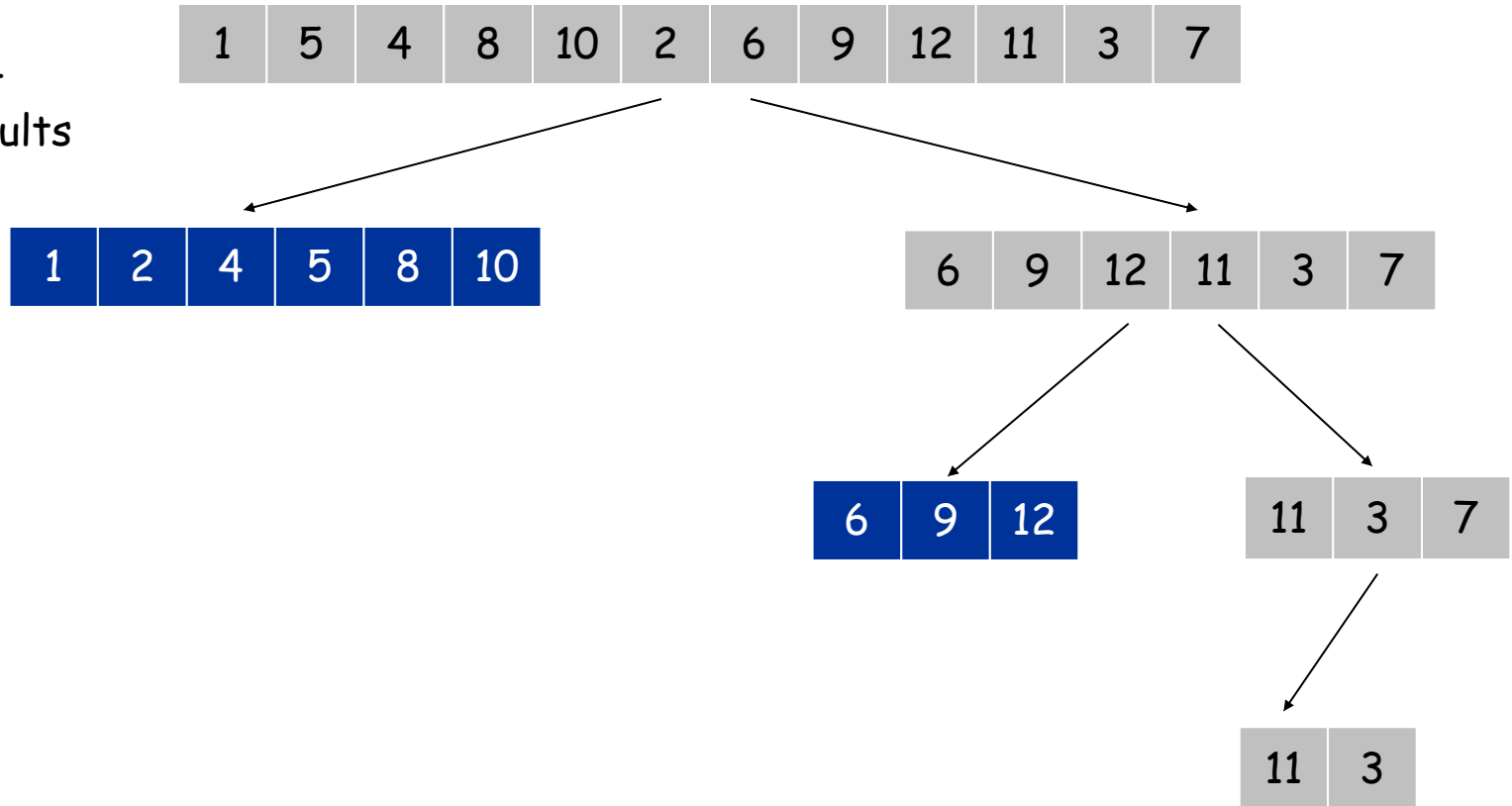
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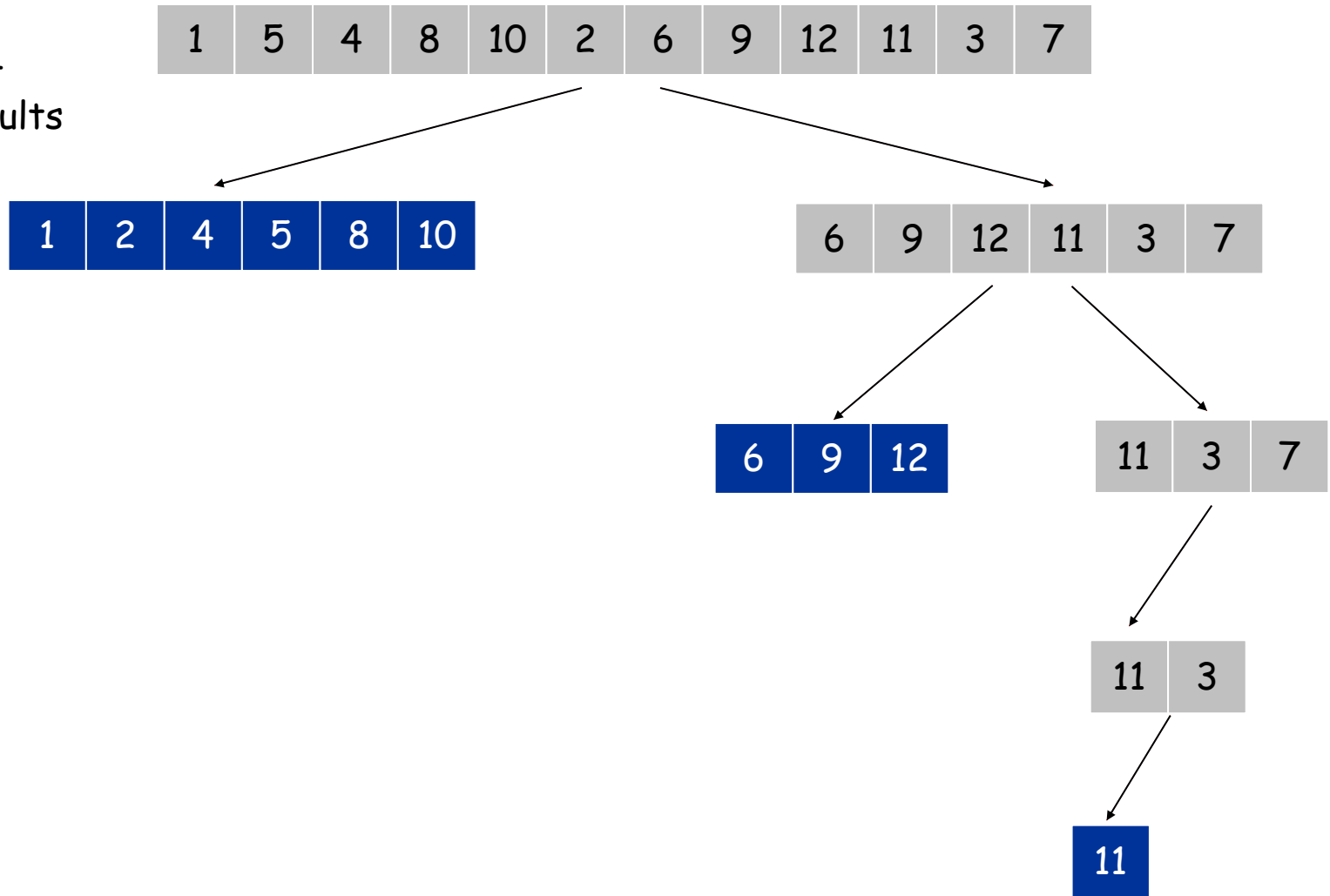
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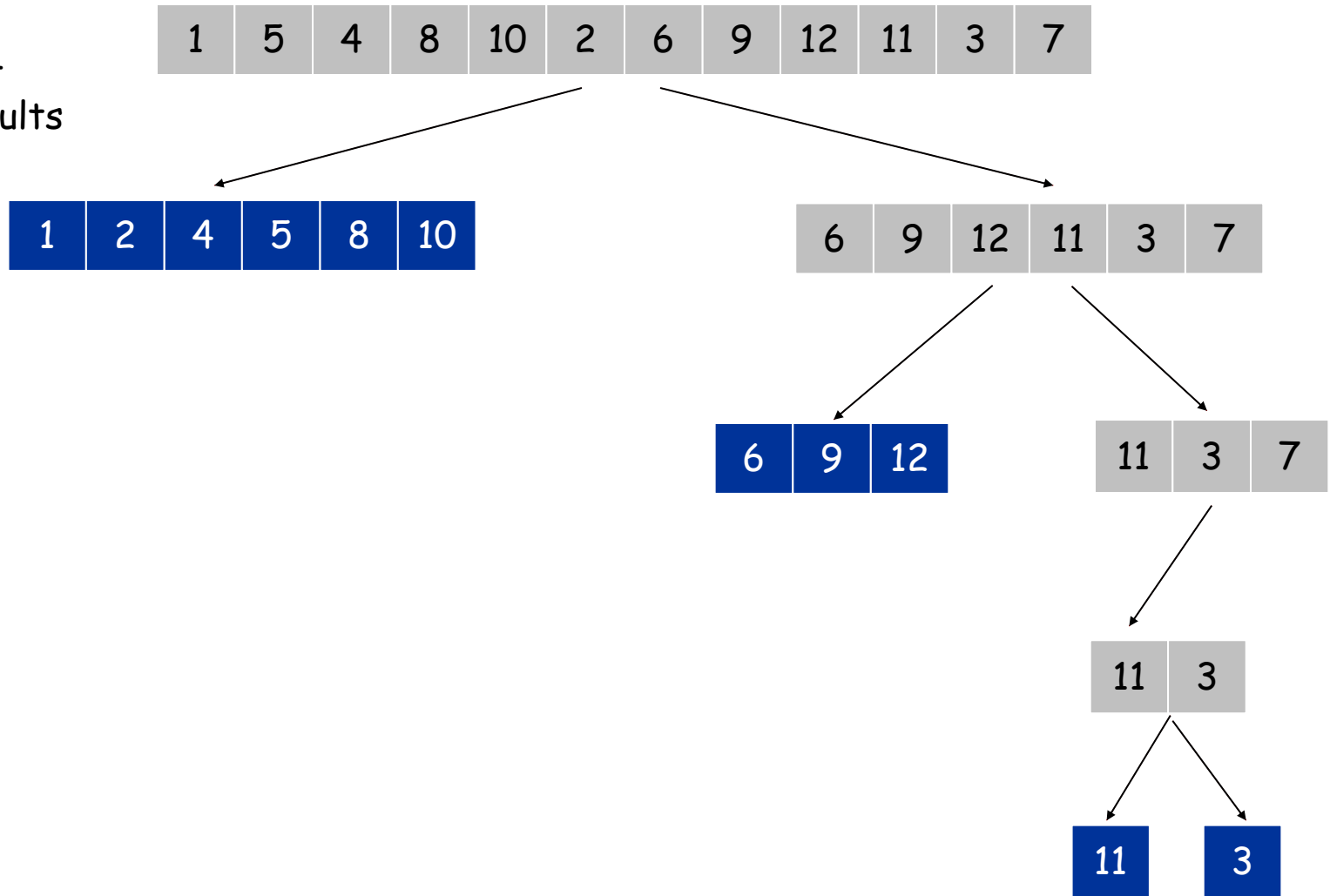
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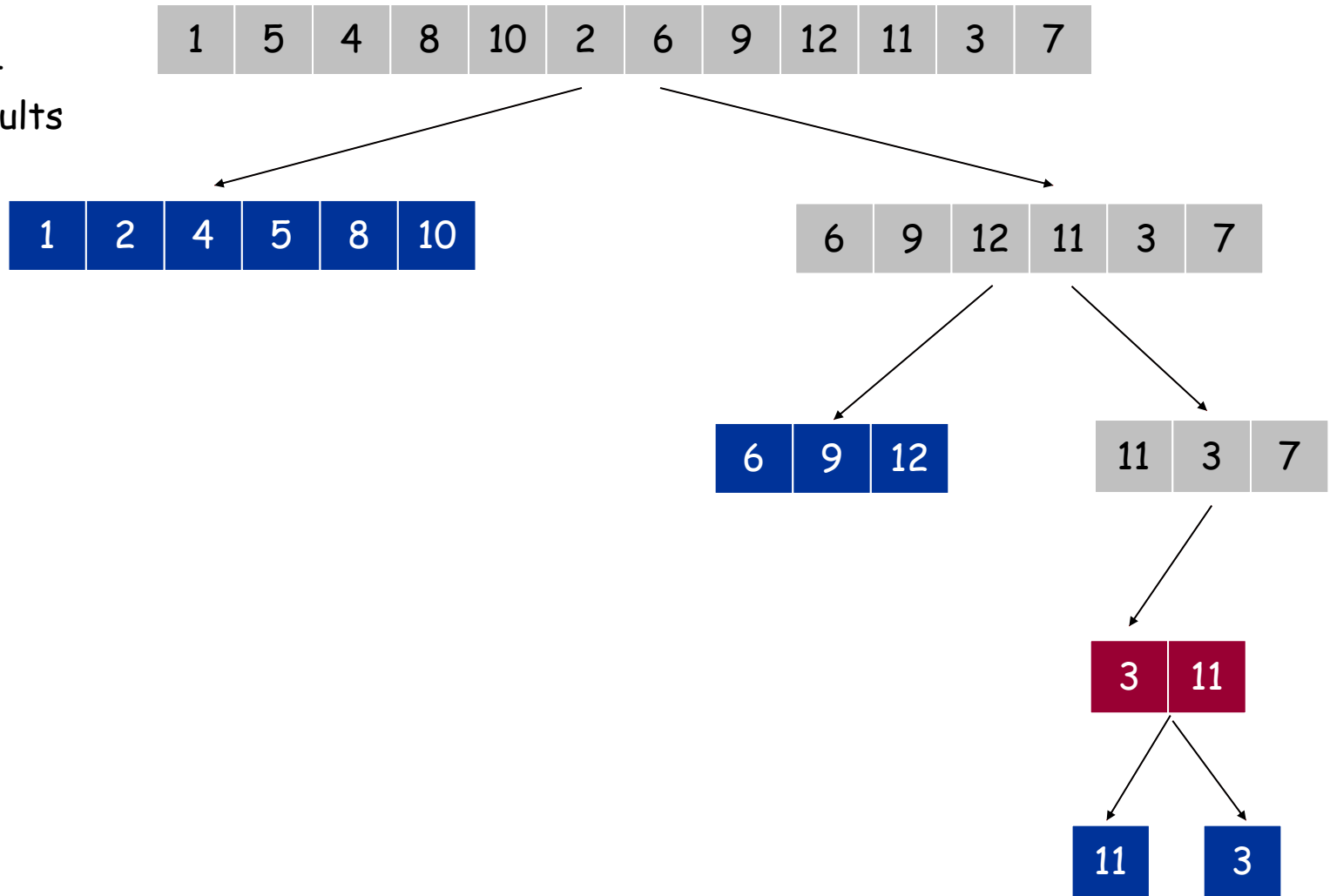
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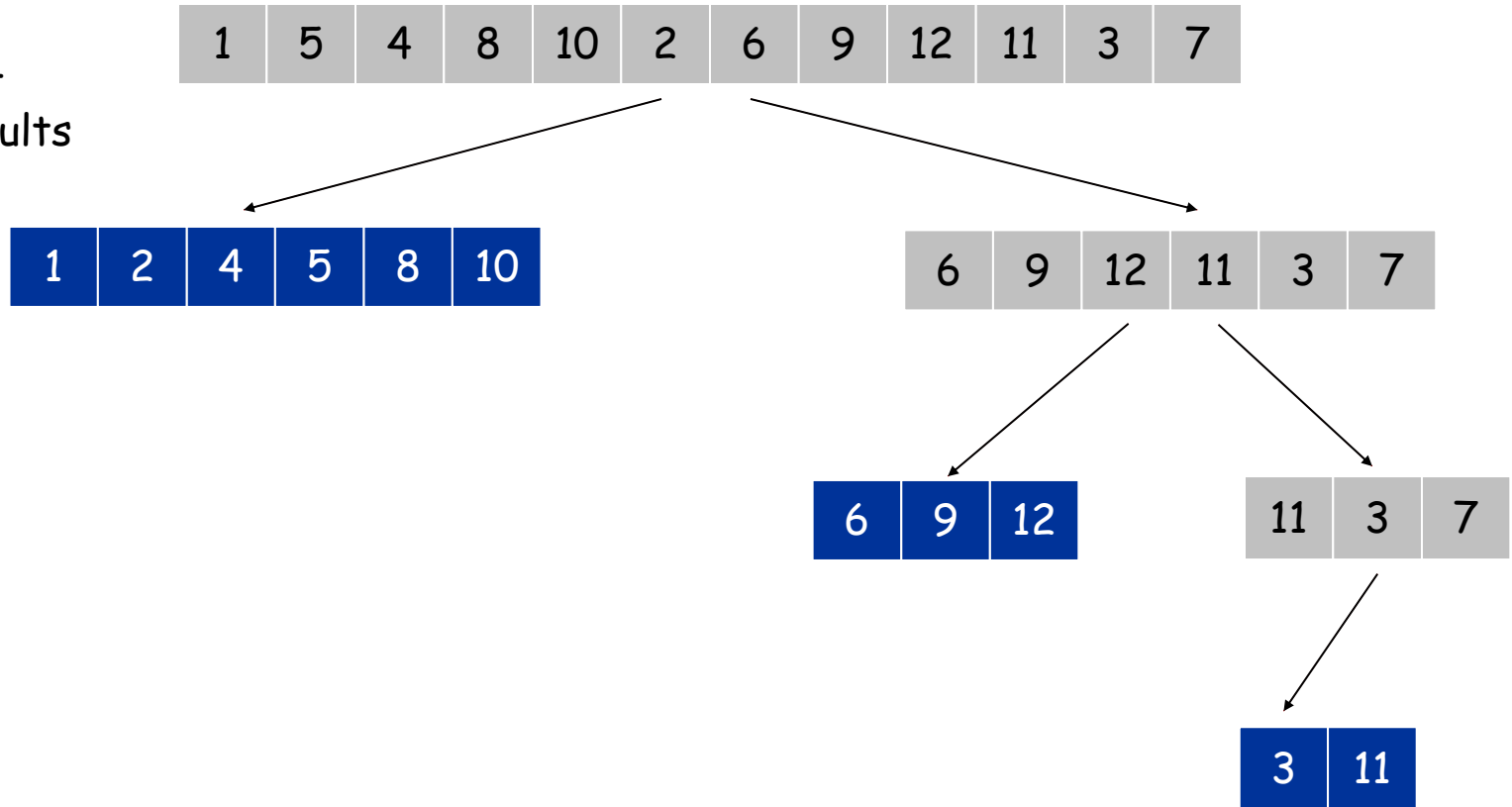
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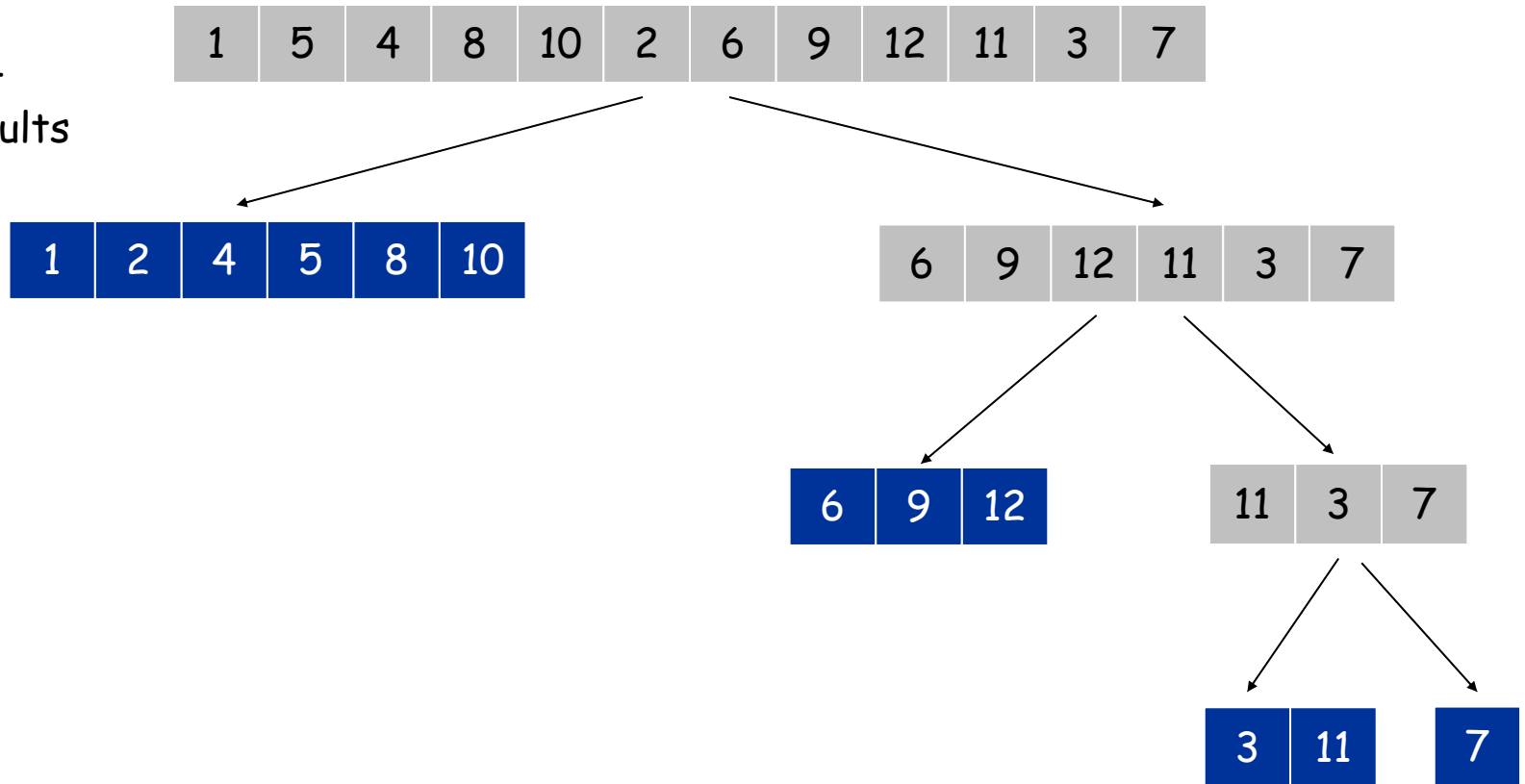
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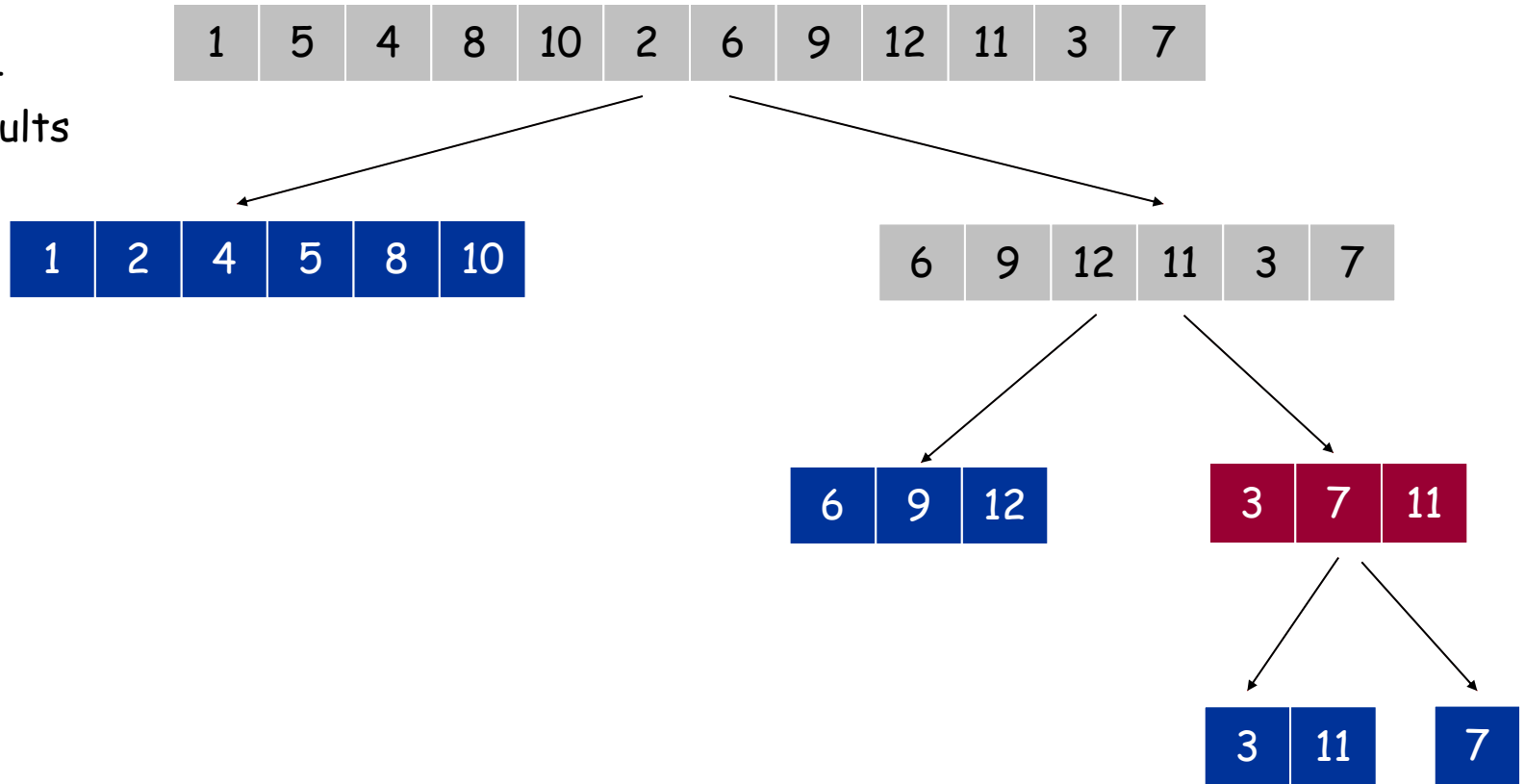
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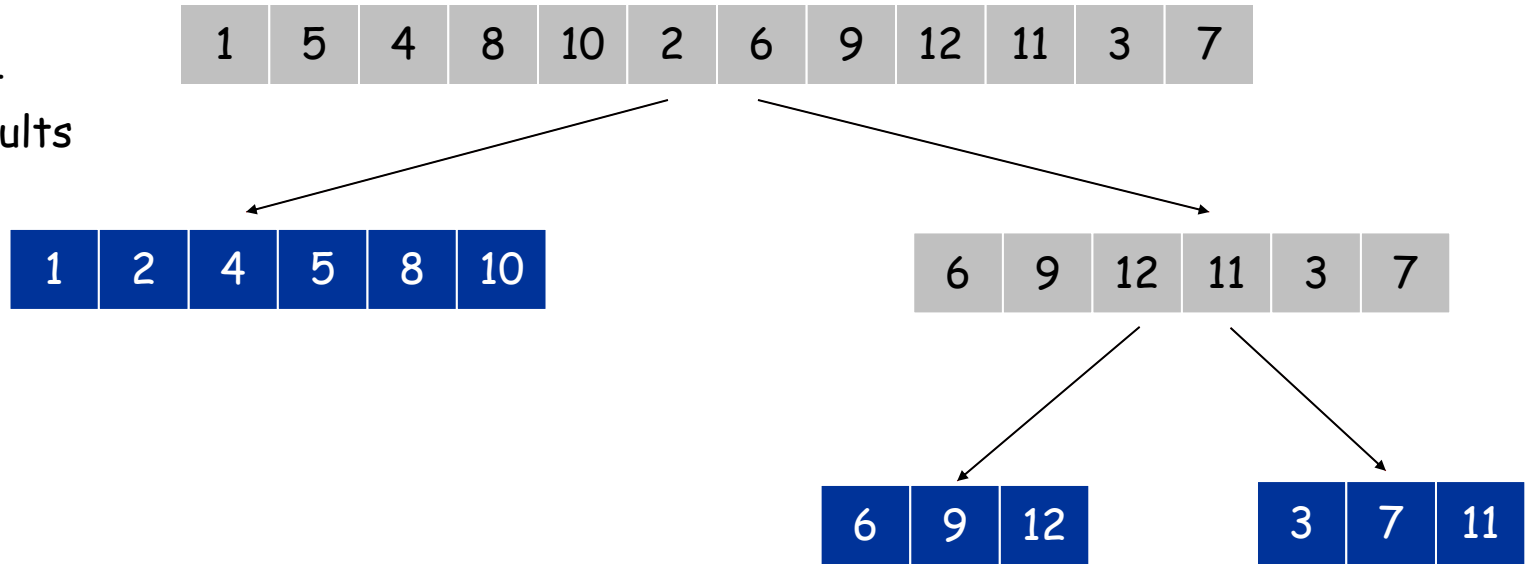
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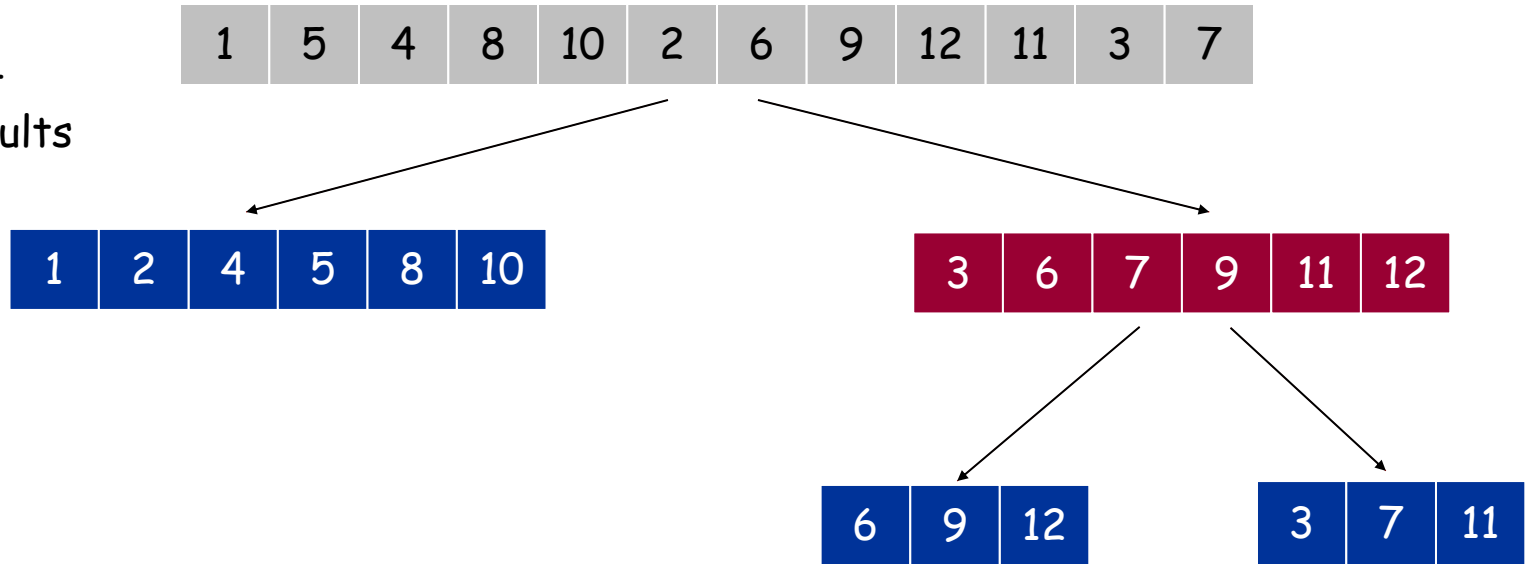
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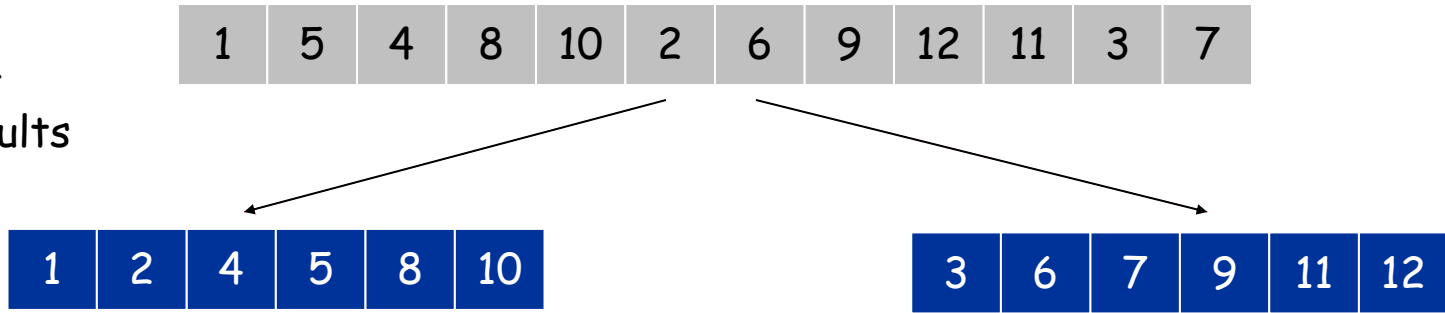
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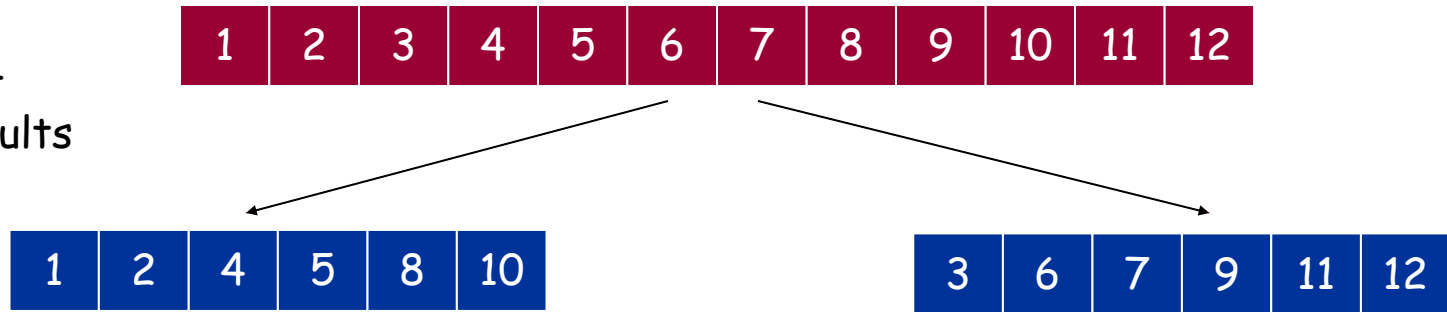
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1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----