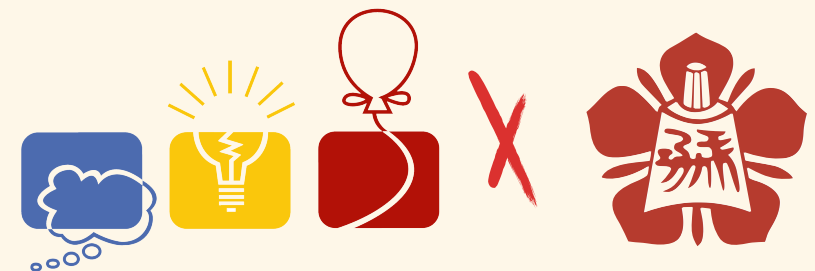


Merge Sort

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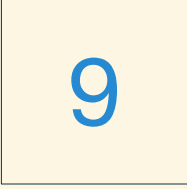
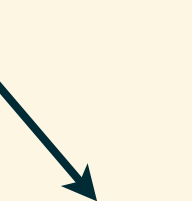
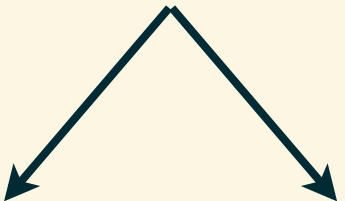
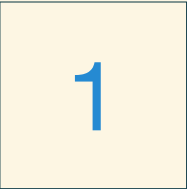
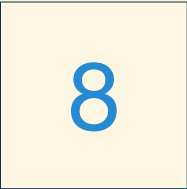
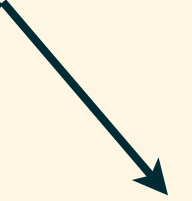
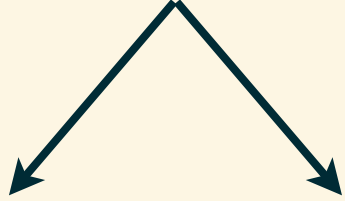
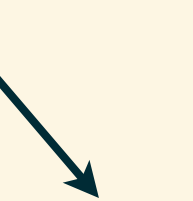
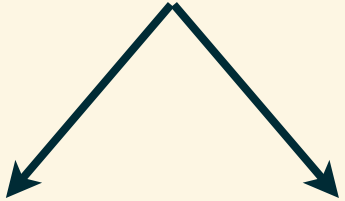
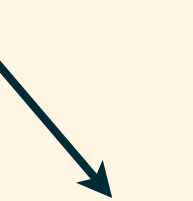
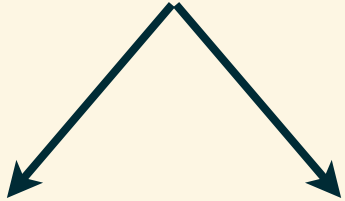
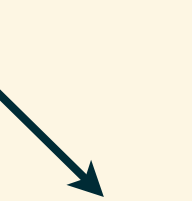
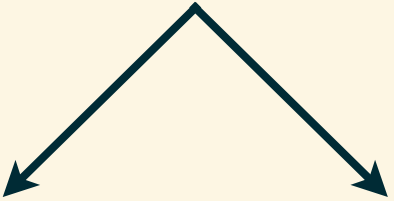
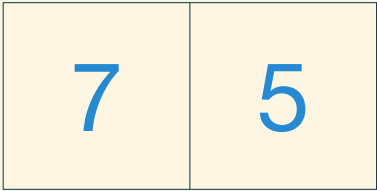
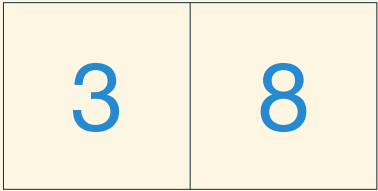
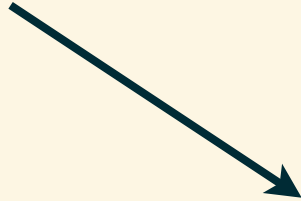
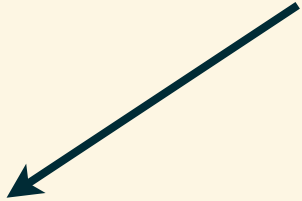
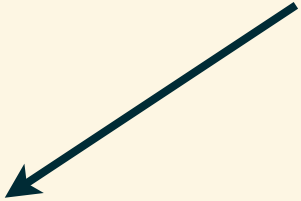
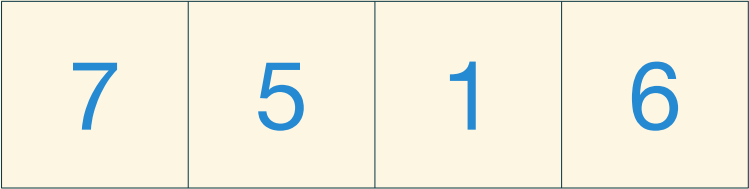
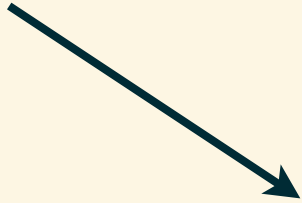
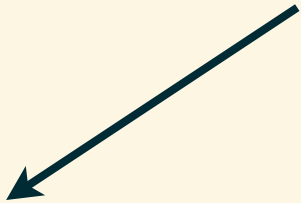
Latest update: Mar 6, 2013

Algorithm

採用 divide & conquer 策略

Divide

將當前數列對半切割遞迴進行
直到僅剩一個元素



Conquer

1. 利用兩個指標指向兩個有序數列 A 與 B
2. 比較指標指向的數值
3. 將較小的數值放入新的數列 C, 並將該指標指向下一數值
4. 直到某一指標指向數列結尾, 將另一數列剩餘的數值放都入數列 C

Merge Two Sequence

2	3	4	8	9
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1	5	6	7
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Merge Two Sequence

2	3	4	8	9
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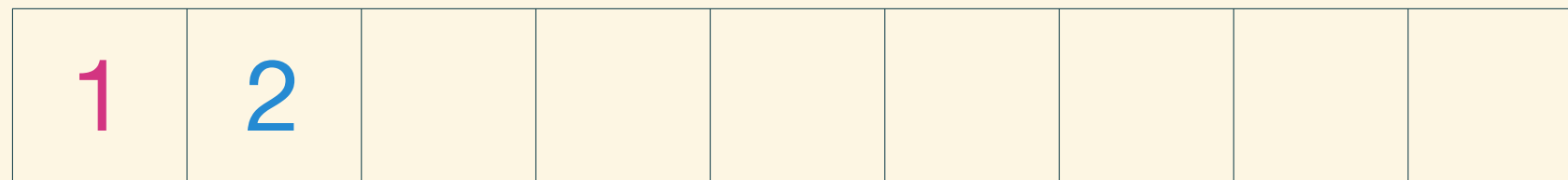
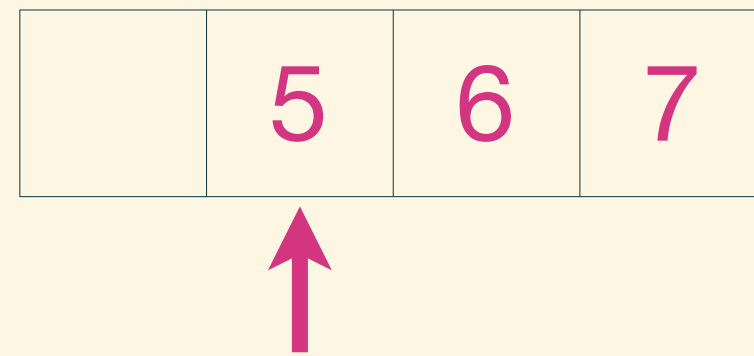
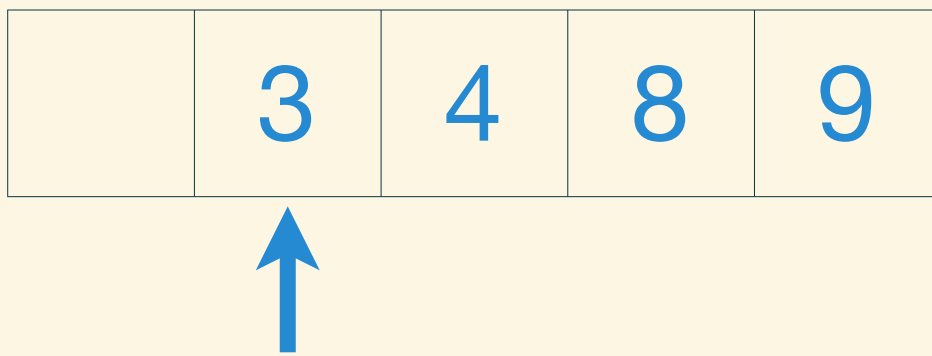


	5	6	7
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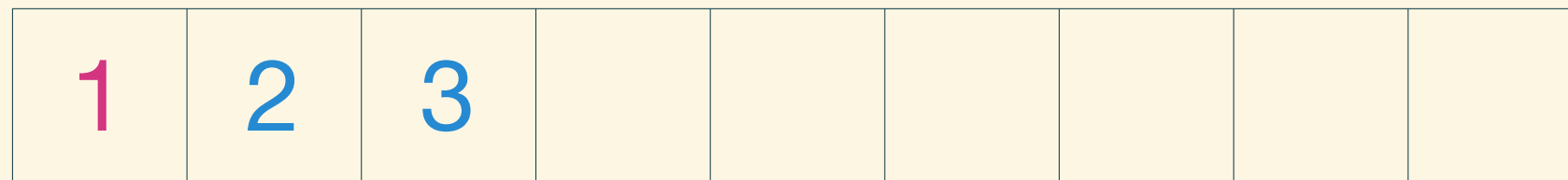
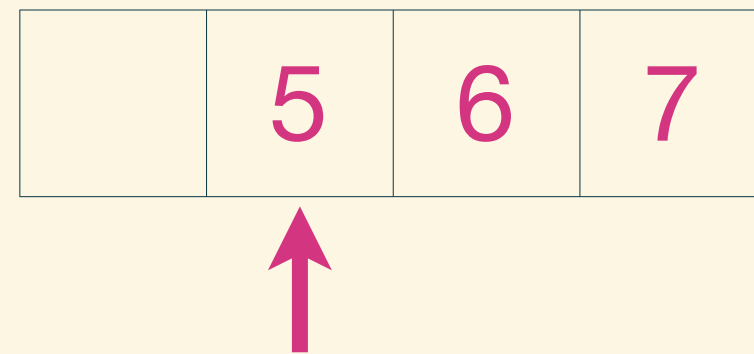
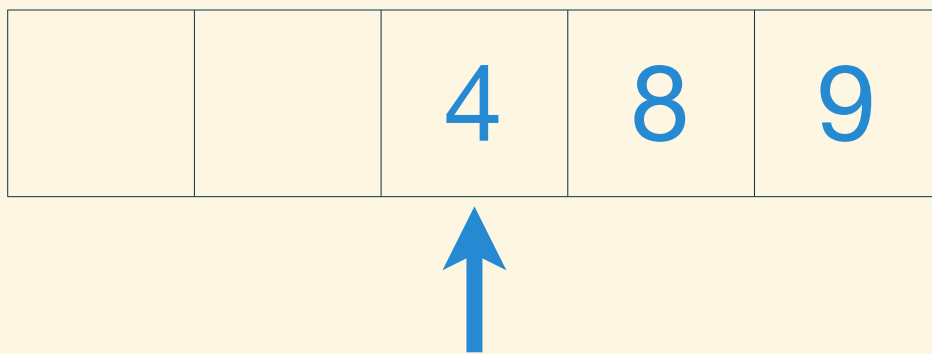


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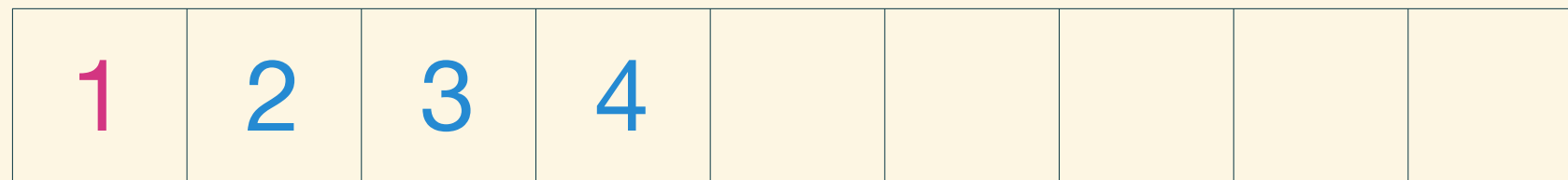
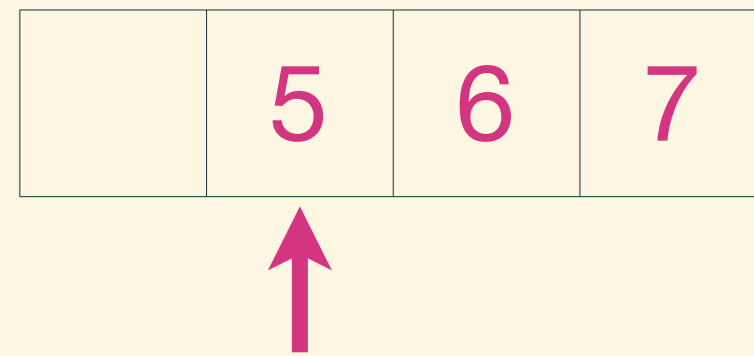
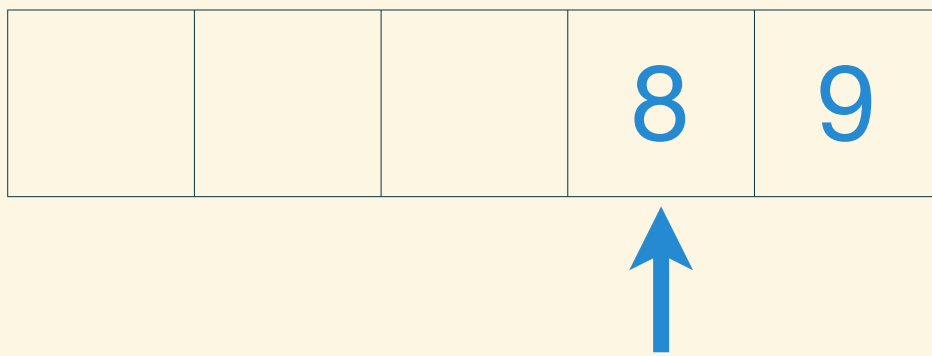
Merge Two Sequence



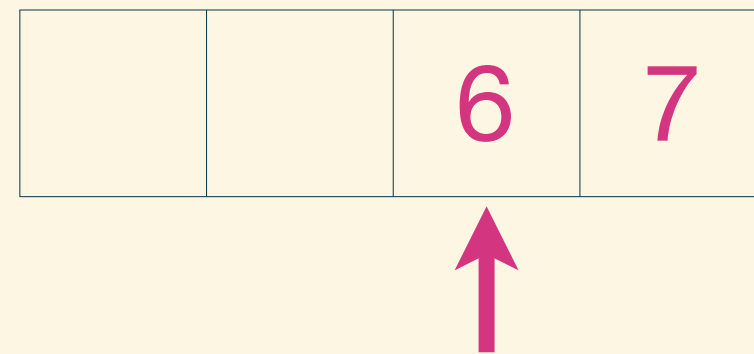
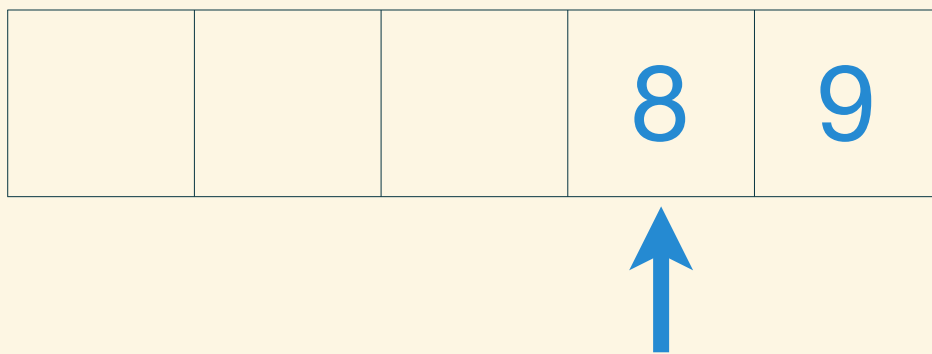
Merge Two Sequence



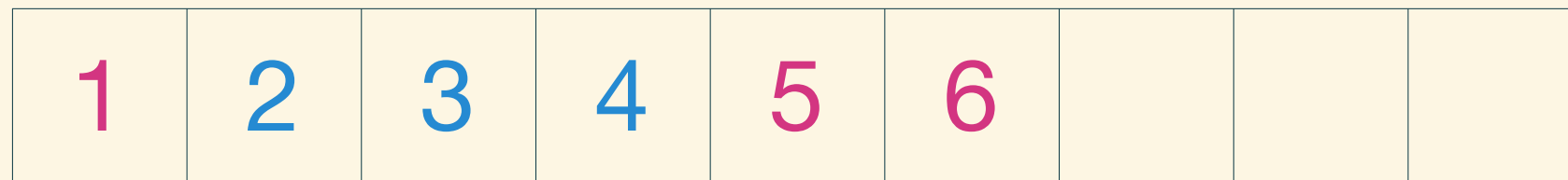
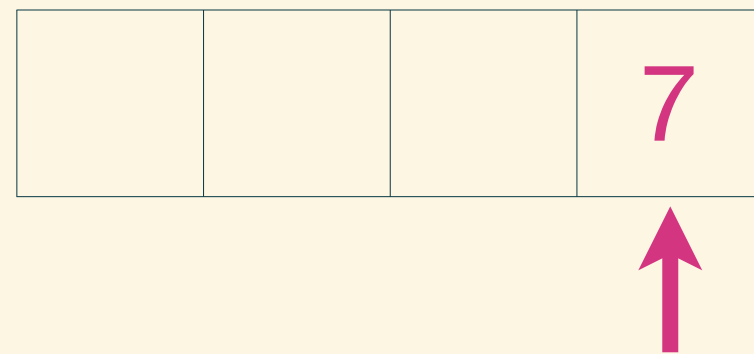
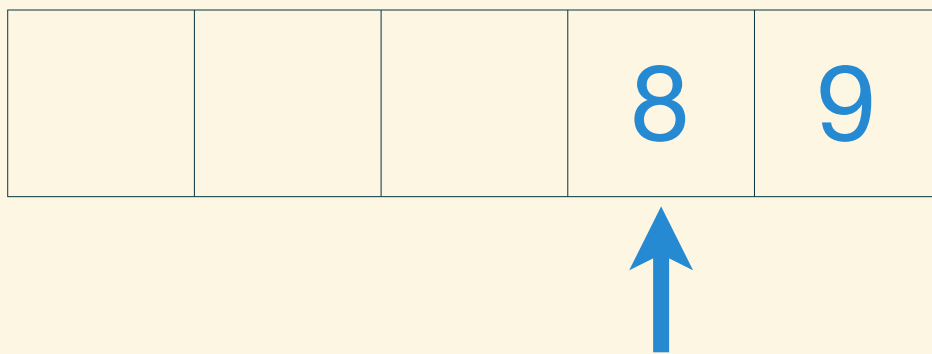
Merge Two Sequence



Merge Two Sequence



Merge Two Sequence



Merge Two Sequence

			8	9
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1	2	3	4	5	6	7		
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Merge Two Sequence

				9
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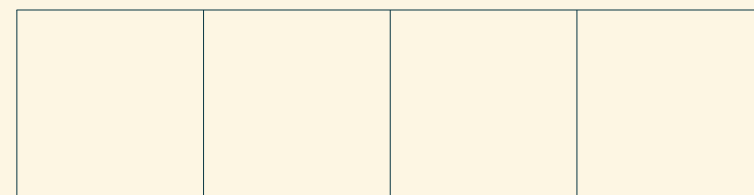
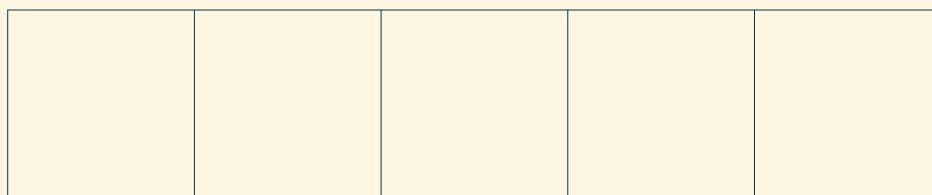


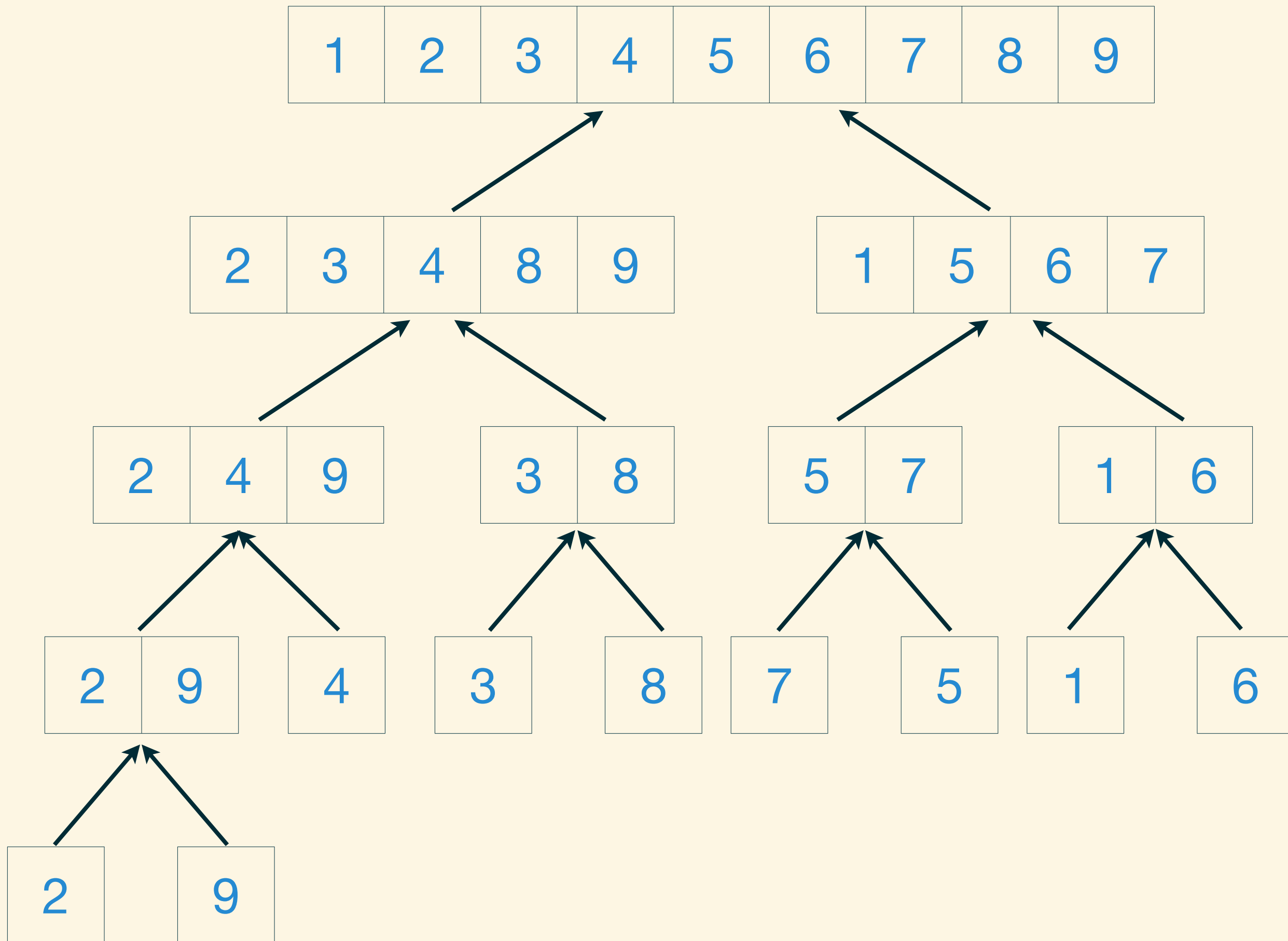
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1	2	3	4	5	6	7	8	
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Merge Two Sequence





End

