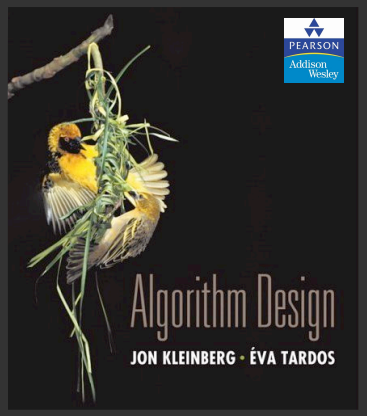

5. Divide and Conquer I

- *merge demo*

Lecture slides by Kevin Wayne
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http://www.cs.princeton.edu/~wayne/kleinberg-tardos

Last updated on Sep 8, 2013 6:33 AM

Merge demo

Given two sorted lists A and B, merge into sorted list C.

sorted list A

3	7	10	14	18

sorted list B

2	11	16	17	23

Merge demo

Given two sorted lists A and B, merge into sorted list C.

sorted list A

3	7	10	14	18

sorted list B

2	11	16	17	23

compare minimum entry in each list: copy 2

sorted list C

Merge demo

Given two sorted lists A and B, merge into sorted list C.

sorted list A

3	7	10	14	18

sorted list B

2	11	16	17	23

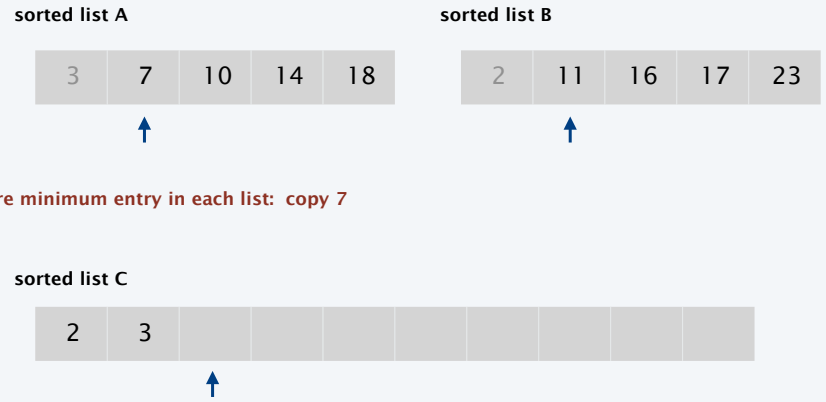
compare minimum entry in each list: copy 3

sorted list C

2									

Merge demo

Given two sorted lists A and B, merge into sorted list C.



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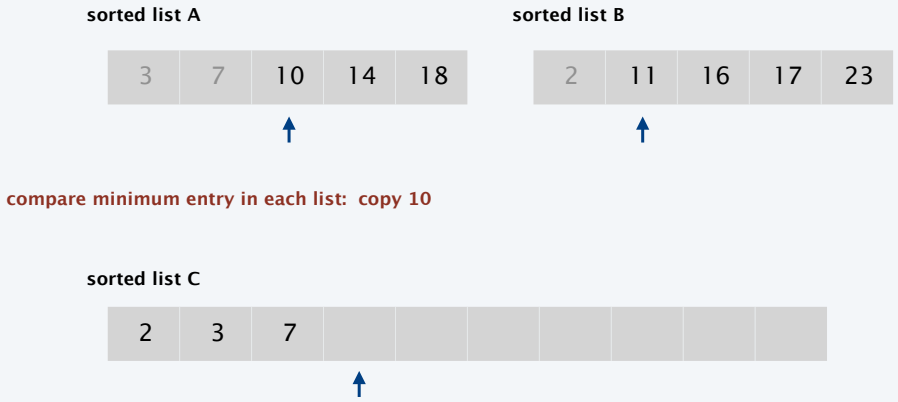

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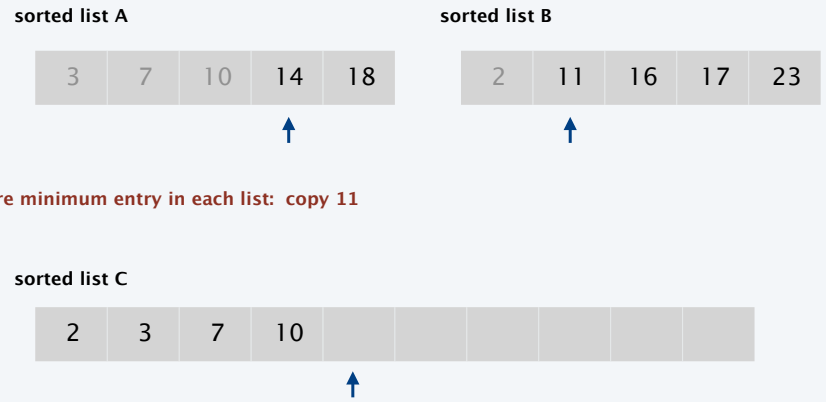

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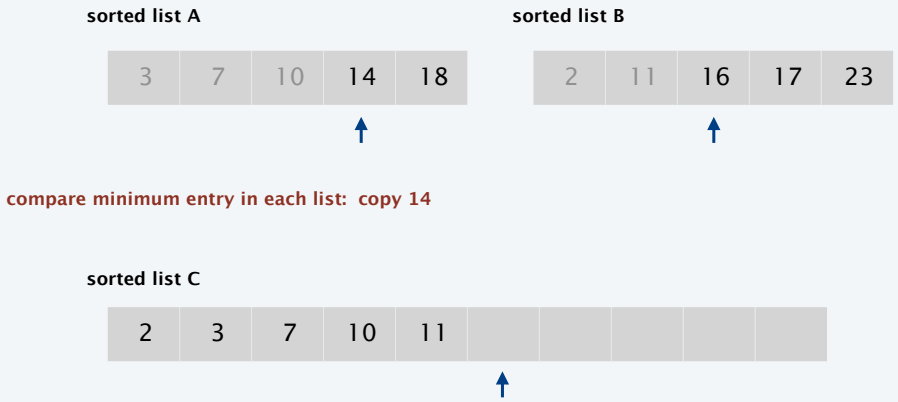

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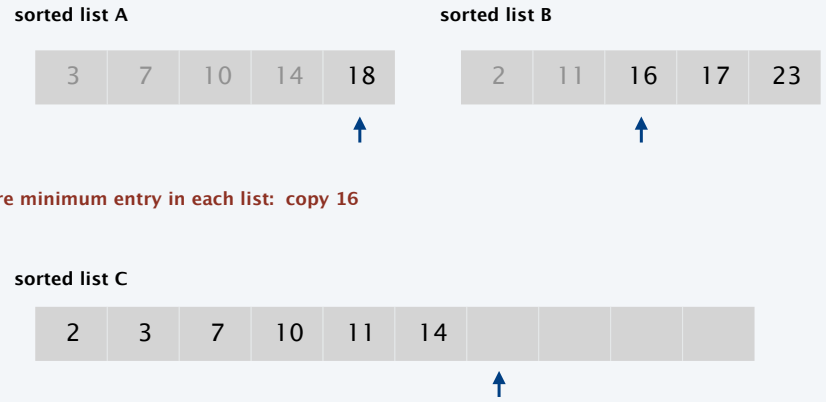

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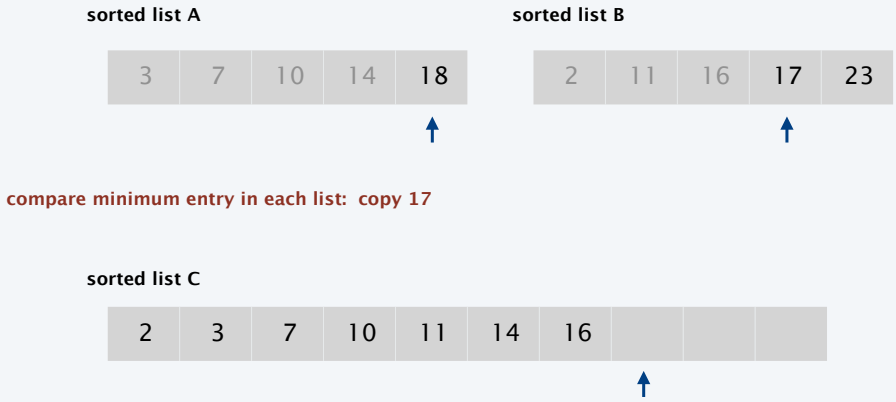
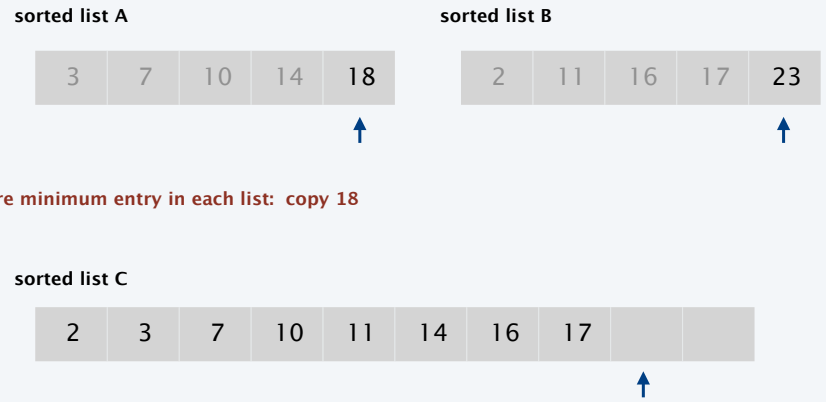


Merge demo

Given two sorted lists A and B, merge into sorted list C.



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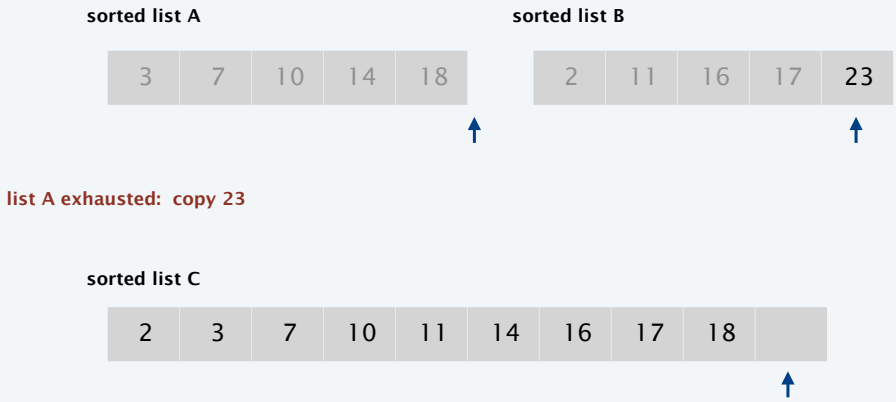

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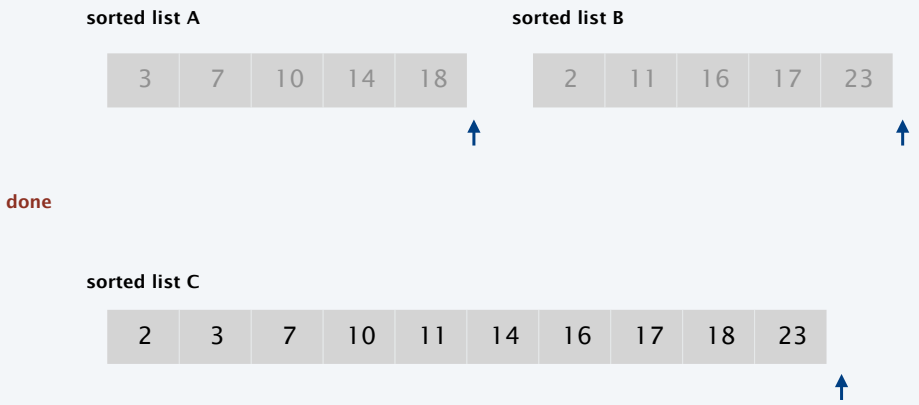
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