12-F1

优先级队列

左式堆：沿藤合并

God's right hand is gentle

But terrible is his left hand

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堆合并

- H = merge(A, B)：将堆A和B合二为一

  //不妨设|A| = n ≥ m = |B|

- 方法一：A.insert(B.delMax())

  $O(m * (\log m + \log(n + m)))$

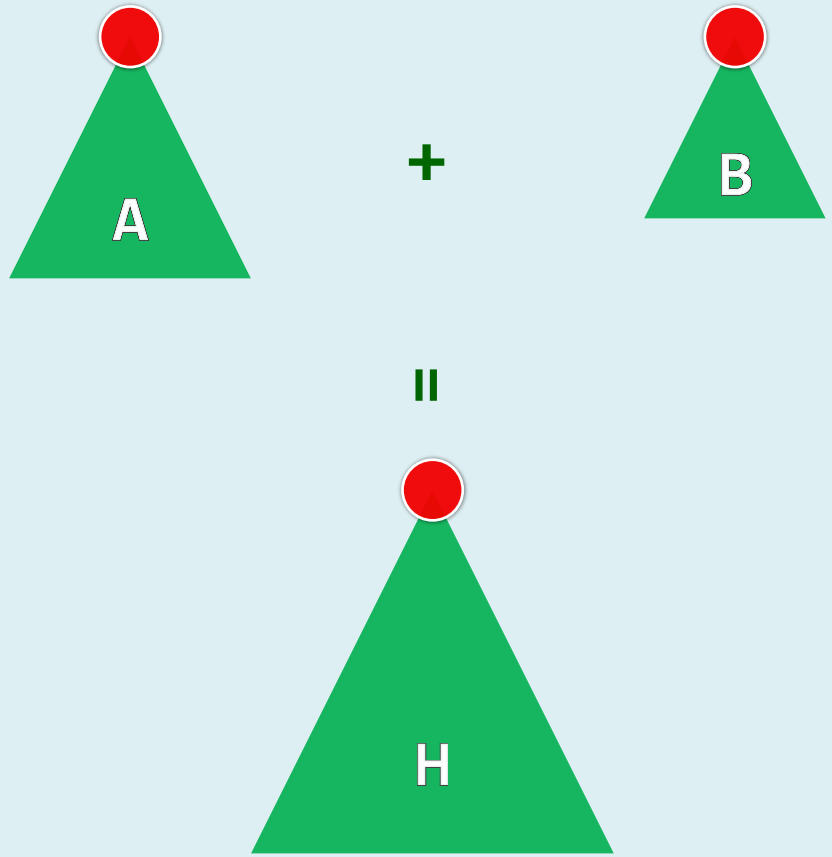
  $= O(m * \log(n + m))$

- 方法二：union(A, B).heapify(n + m)

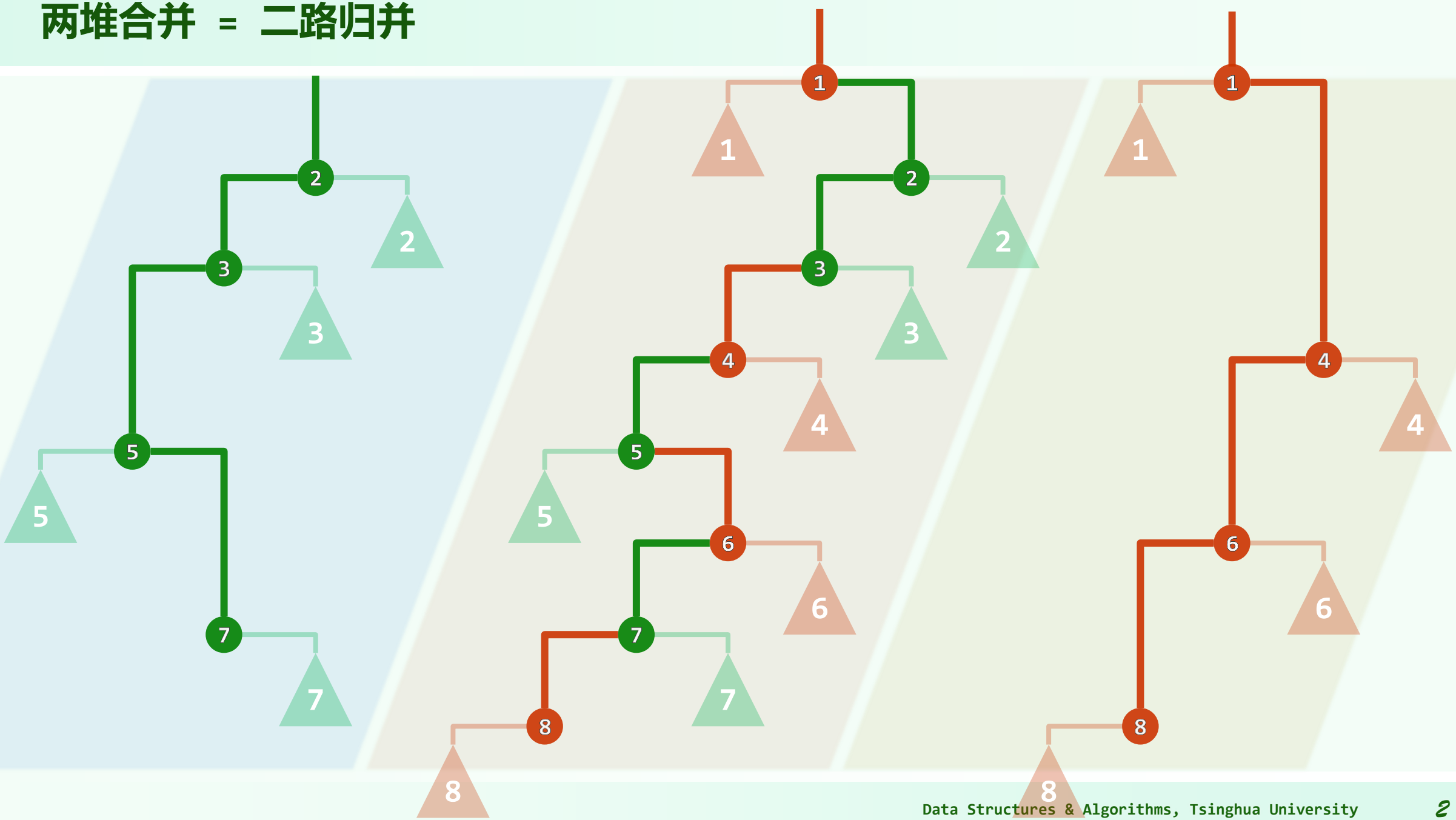
  $O(m + n)$

- 有没有更好的办法？比如...

- 可否奢望在...$O(\log n)$...时间内实现merge()？



两堆合并 = 二路归并



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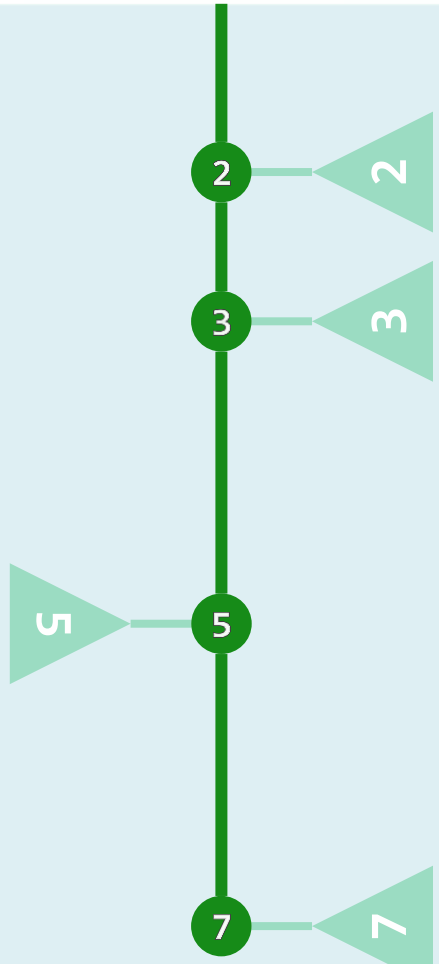
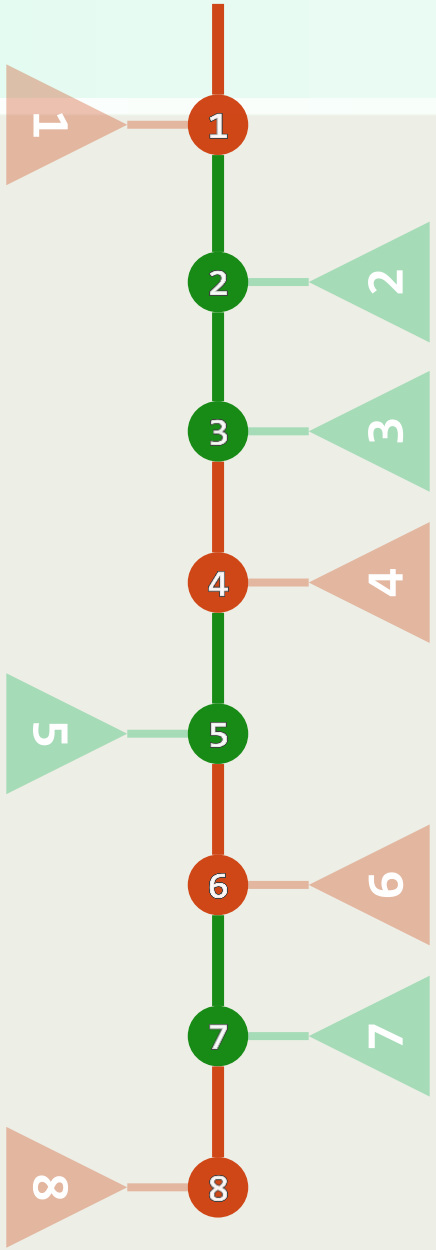
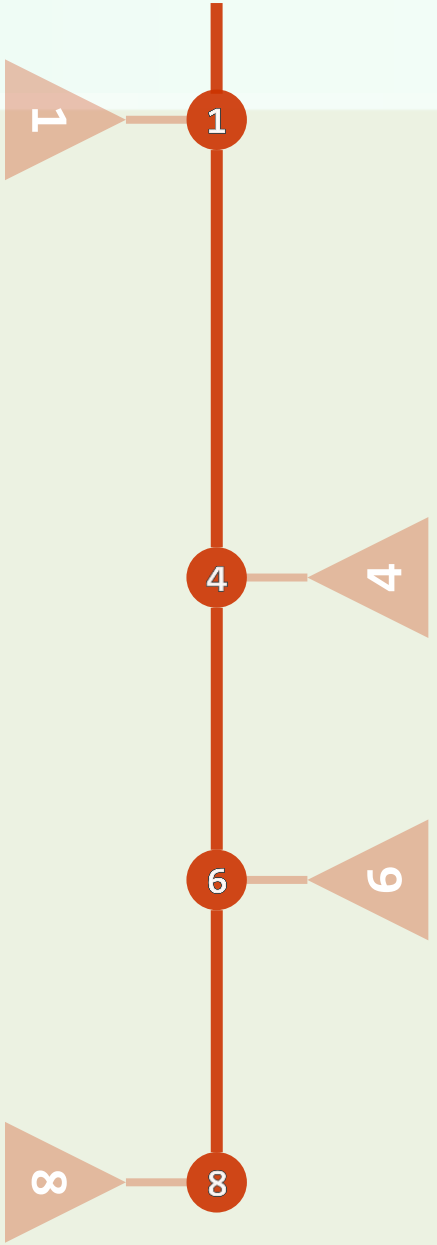
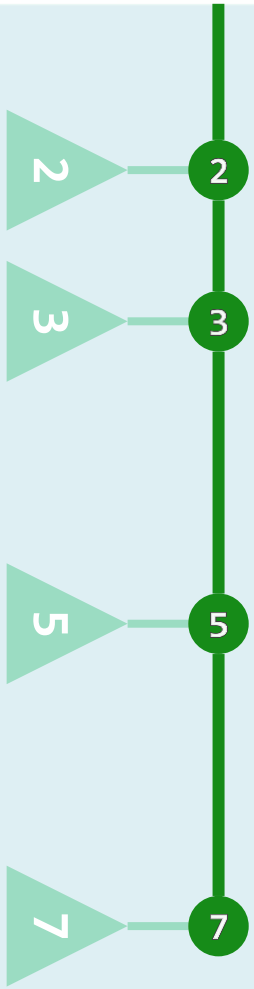
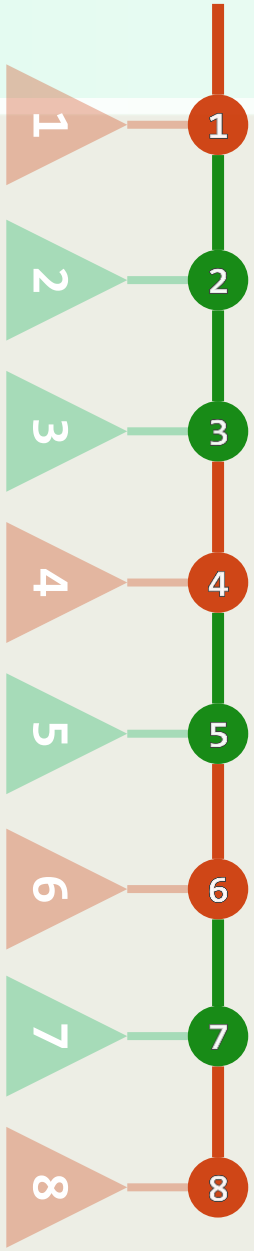


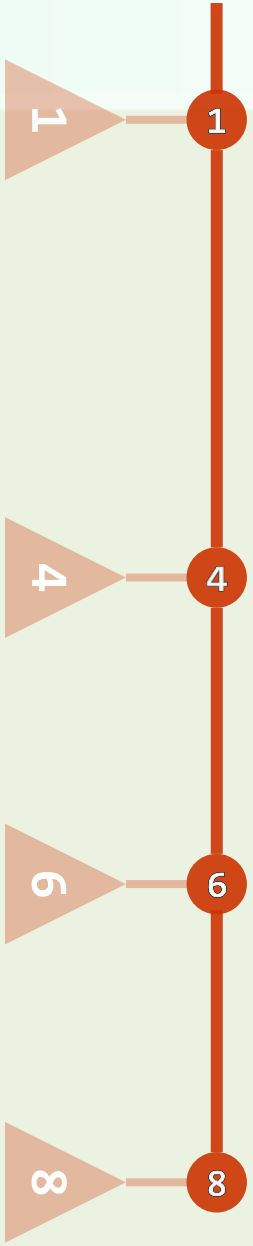




简捷 = 统一沿右侧藤







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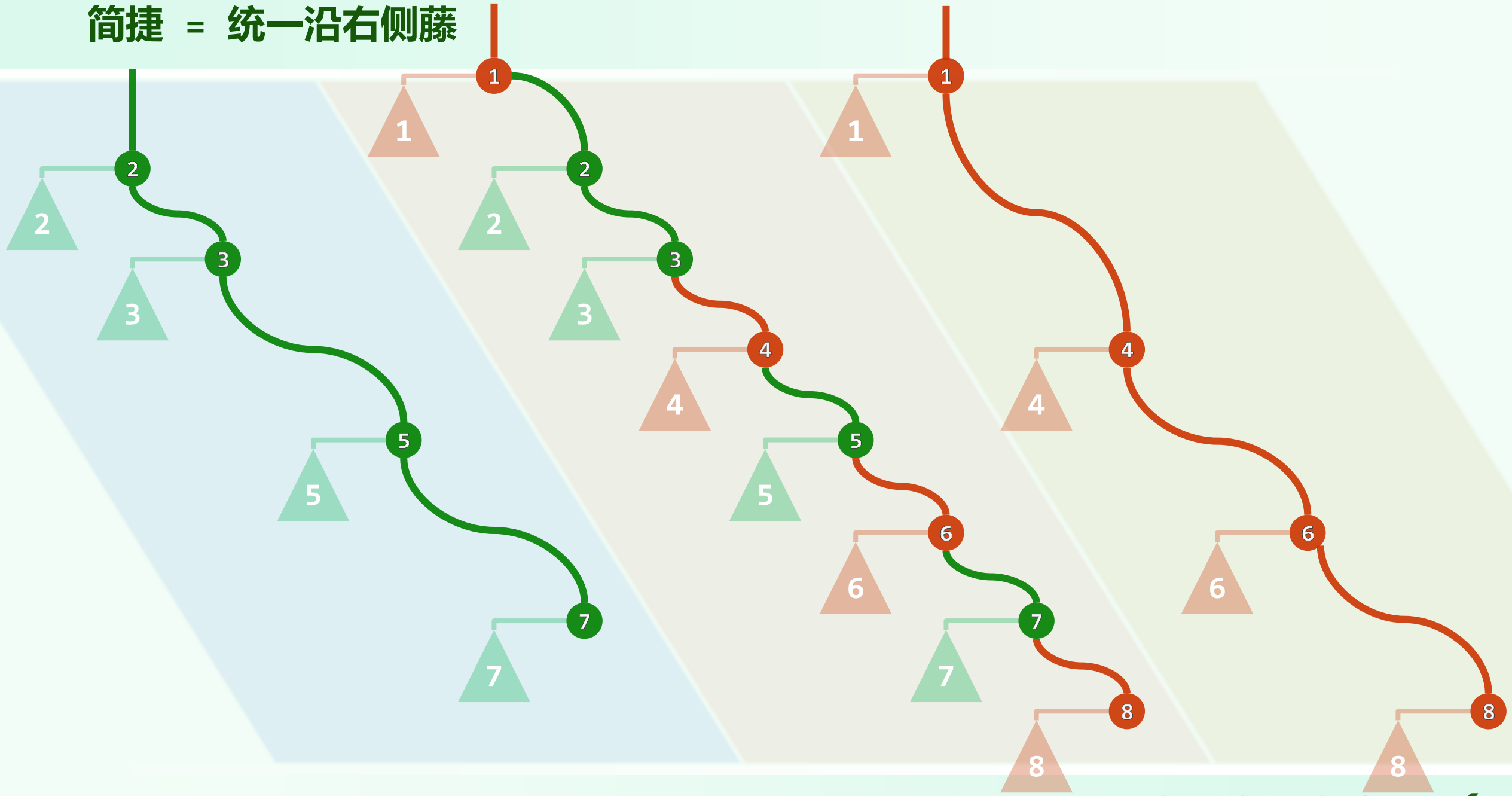
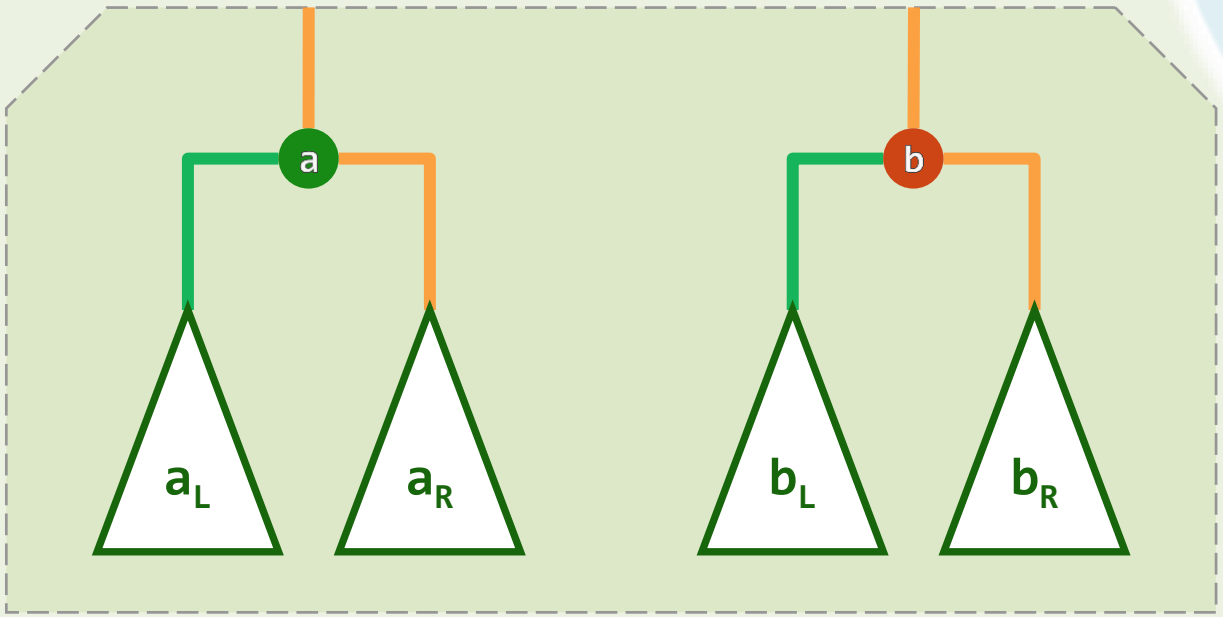
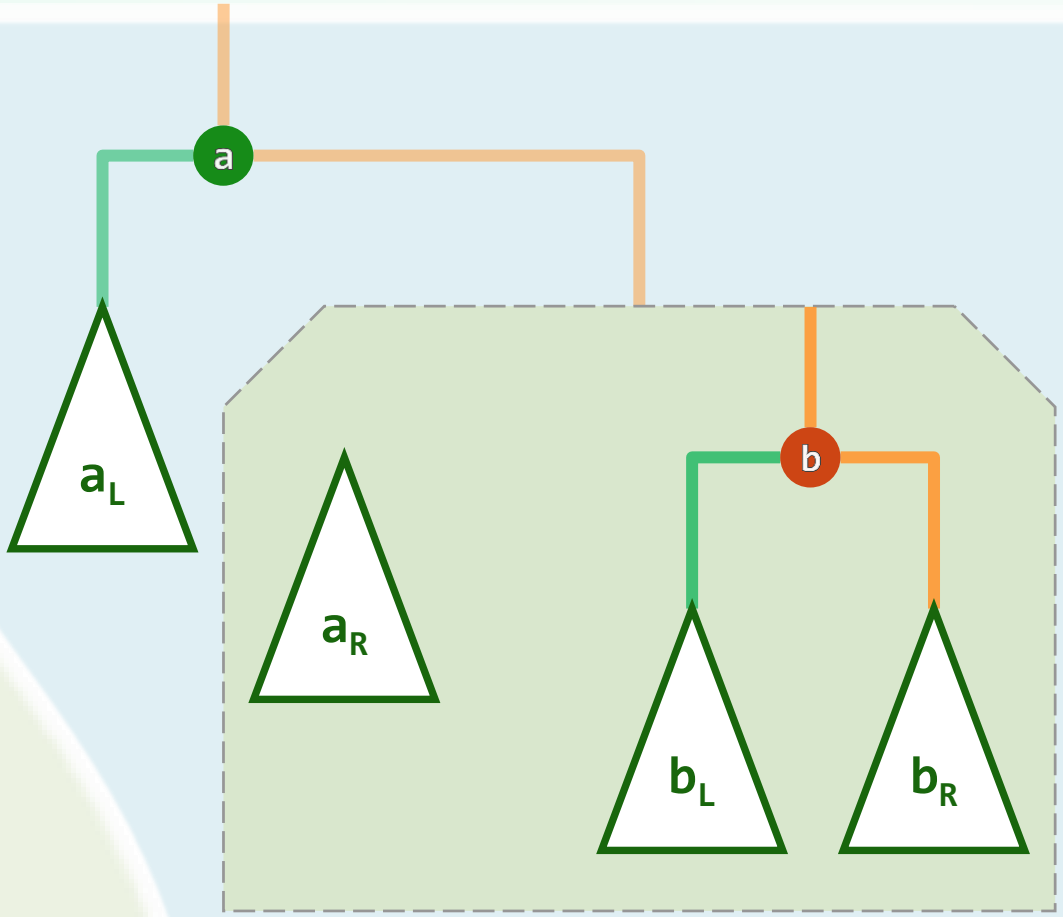


递归实现

所需时间 ∝ 右侧藤总长

$\cancel{\mathcal{O}(n)}$ $\mathcal{O}(\log n)$





如何...控制藤长以...持续合并？