平衡二叉 树

二叉搜索树在极端情况下,会退化 为链表,性能 O(n) 所以产生了 AVL 等平衡树的概念

保证性能的关键是:

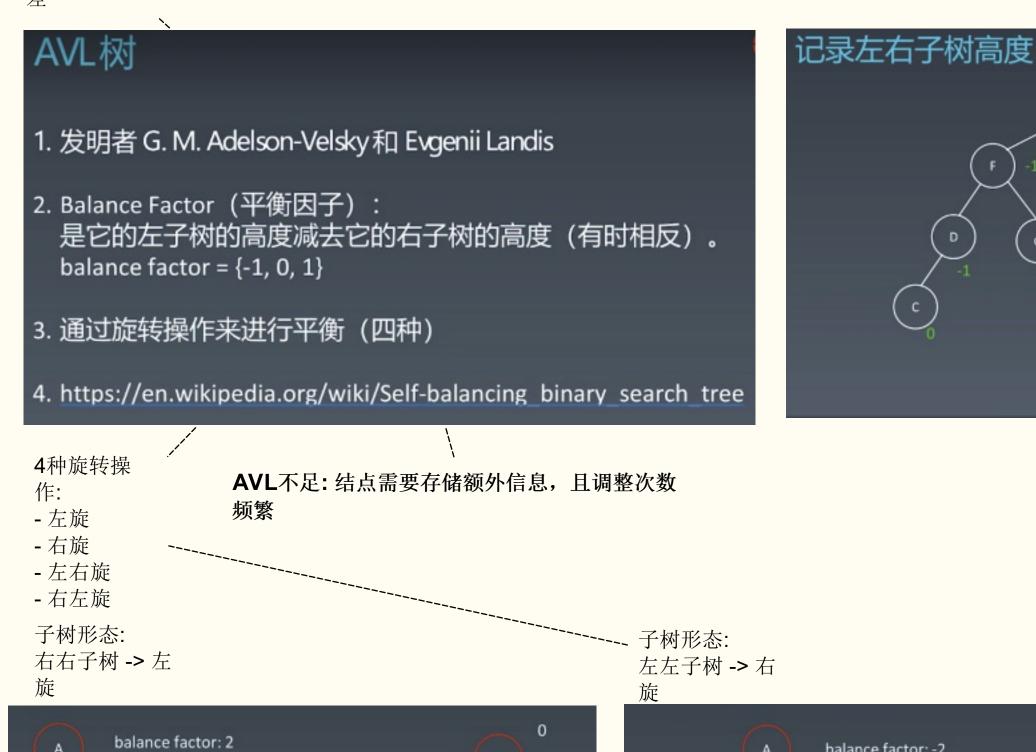
- 1.保证二维维度 -> 左右子树平衡 (recursively)
- 2.Balanced
- 3. https://en.wikipedia.org/wiki/Self-balancing_binary_search_tree

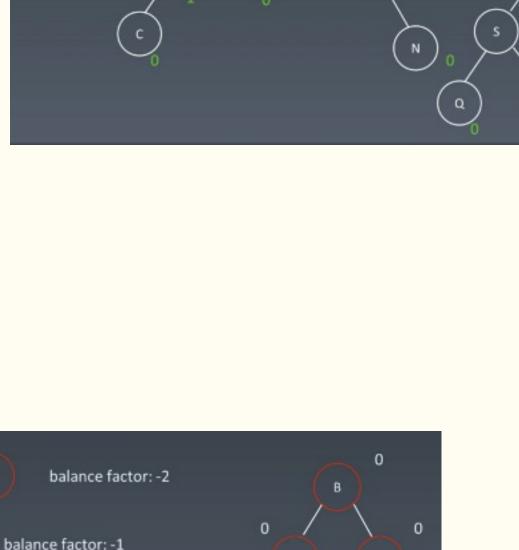
在每一步插入删除时判断树是否平 衡,然后更新维护成平衡状态

平衡因子记录深度

balance factor: 1

balance factor: 0





balance factor: 0