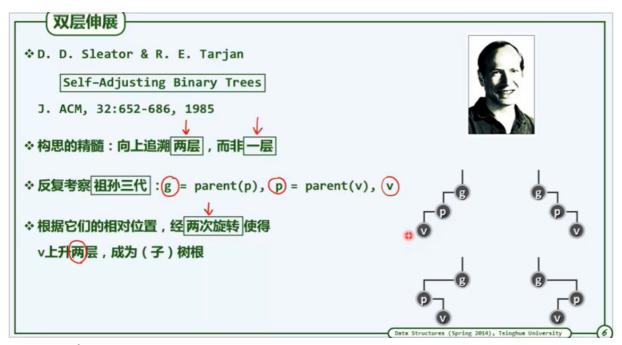
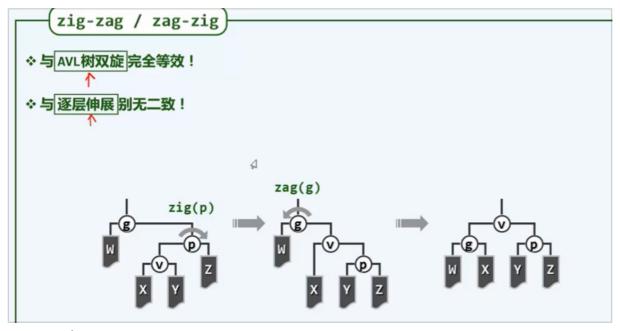
10A2 双层伸展

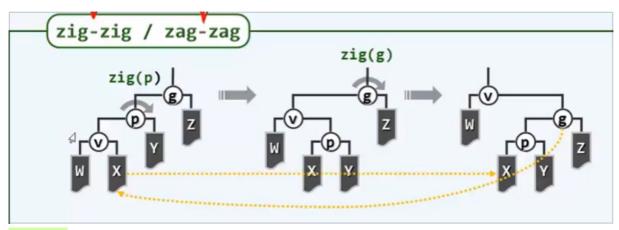
#数据结构邓神



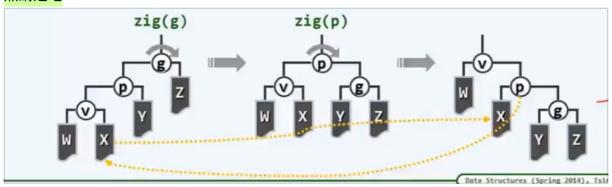
zig-zag | zag-zig



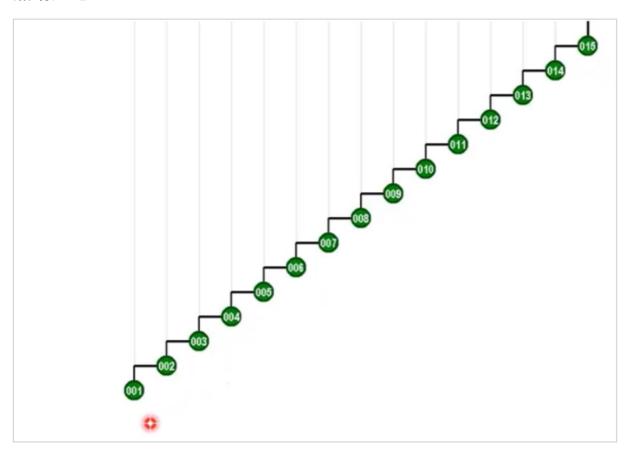
zig-zig | zag-zag

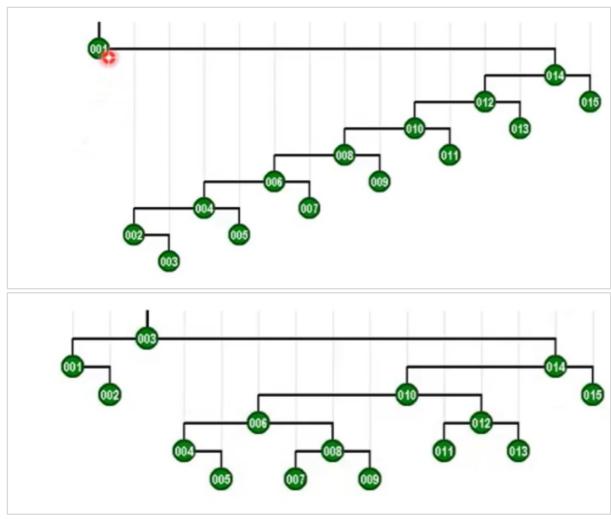


点睛之笔

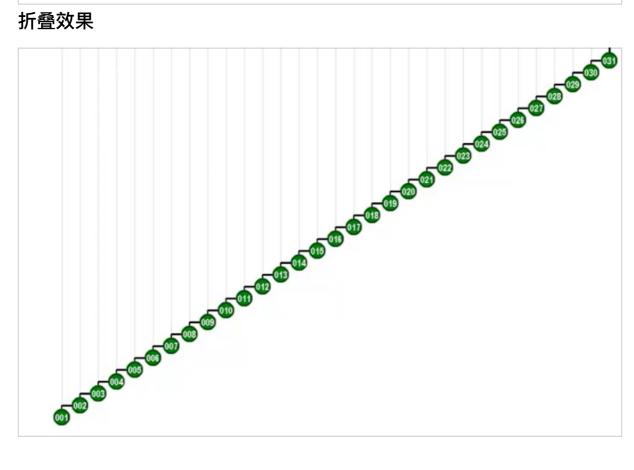


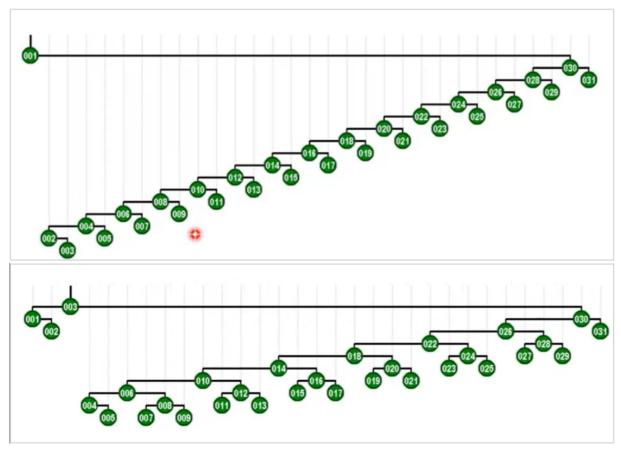
点睛之笔





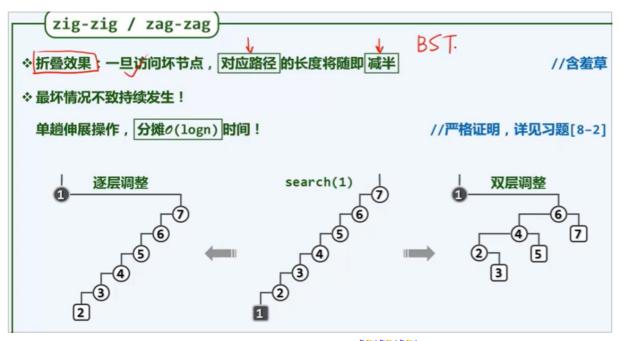
折叠效果





这个数据结构好努力啊

分摊性能



这个数据结构太太太努力啦,不断优化自己的最坏节点

最后一步:

如果 v 只有父亲没有祖父会怎么办? 这种情况只会出现一次,很好解决,只需要一次 ziq 或者 zaq

zig / zag

- ❖ 要是v只有父亲,没有祖父呢?
- ❖此时必有 parent(v) == root(T),且
 每轮调整中,这种情况至多(在最后)出现一次
- ❖视具体形态,做单次旋转:zig(r)或zag(r)

