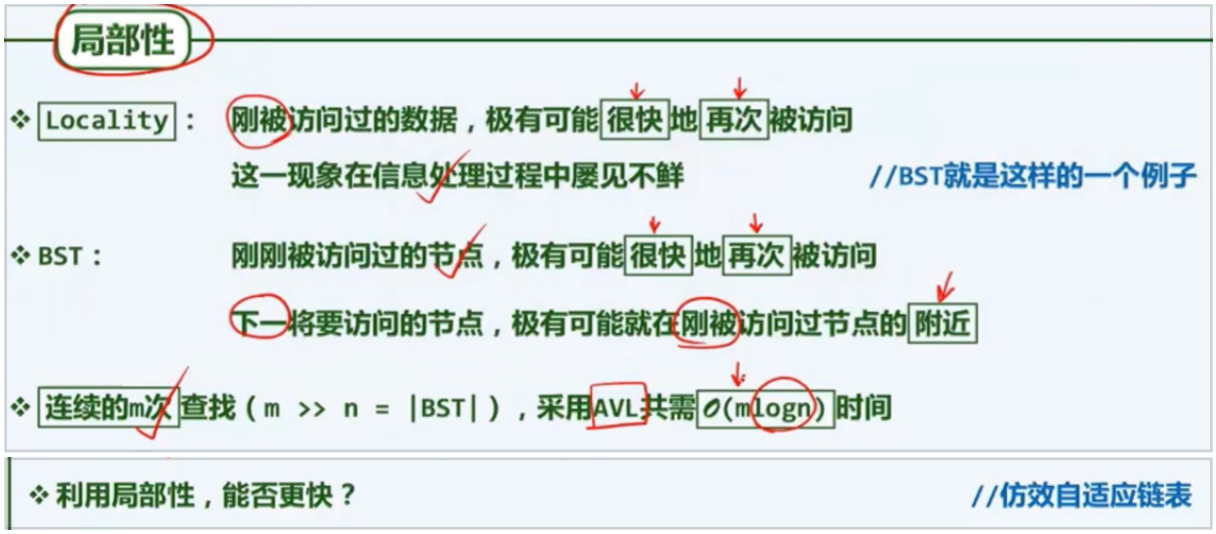
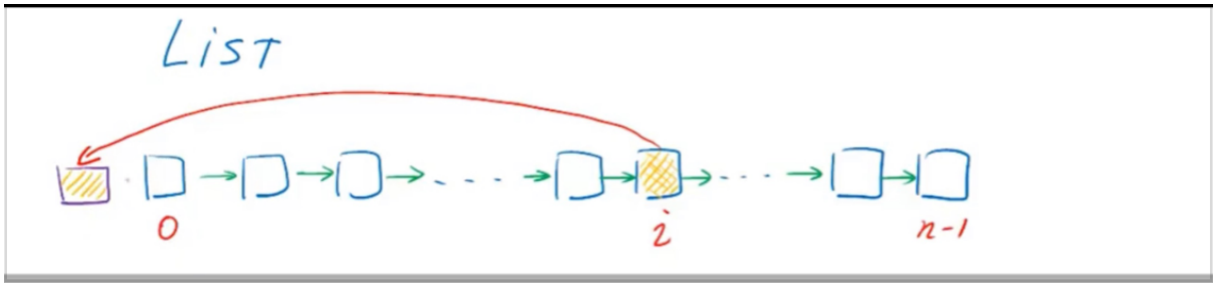
10 高级搜索树 | 10A1 伸展树 逐层伸展

#数据结构邓神

局部性

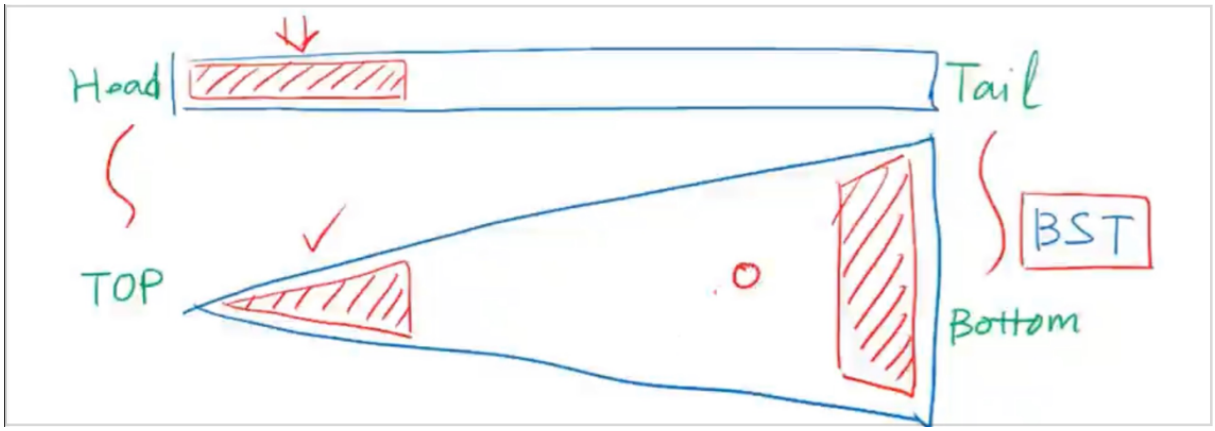


自适应调整



一旦访问了那个列表中的某个元素，我们就直接把那个元素移动到链表的最前端。

这样随着访问的进行，排在越前面的就是访问的频率越多也能降低平均的访问的时间



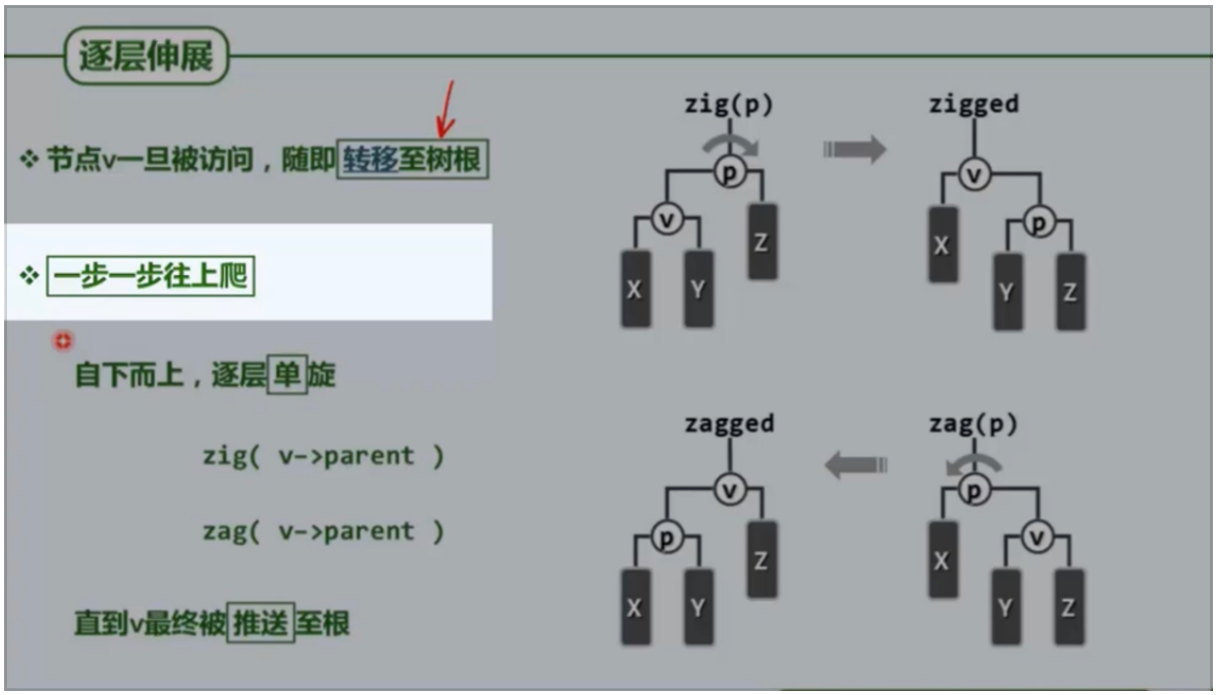
我们是否可以在BST中降低经常被访问元素的深度呢?

逐层伸展

节点V一旦被访问，随即转移到树根(每次上升一层)

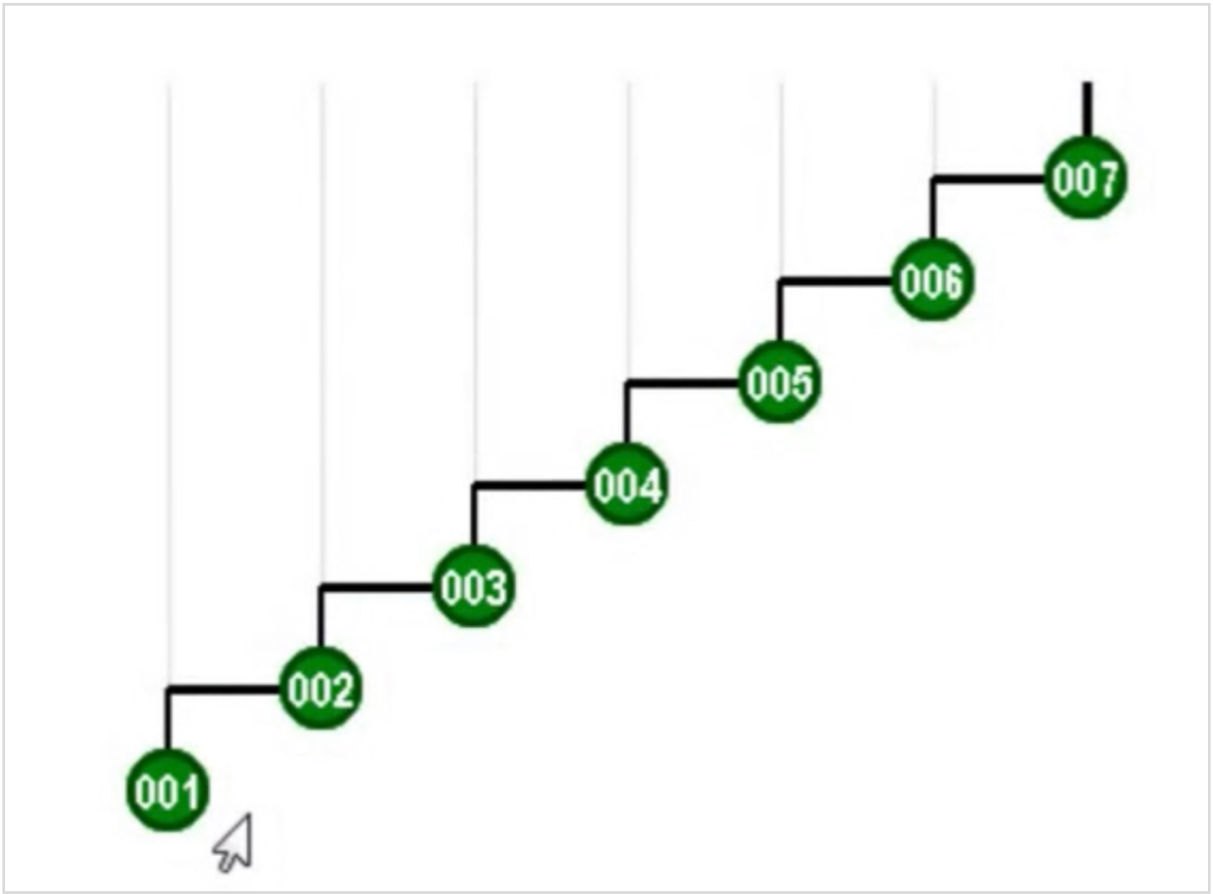
还是要借助到zig和zag转换

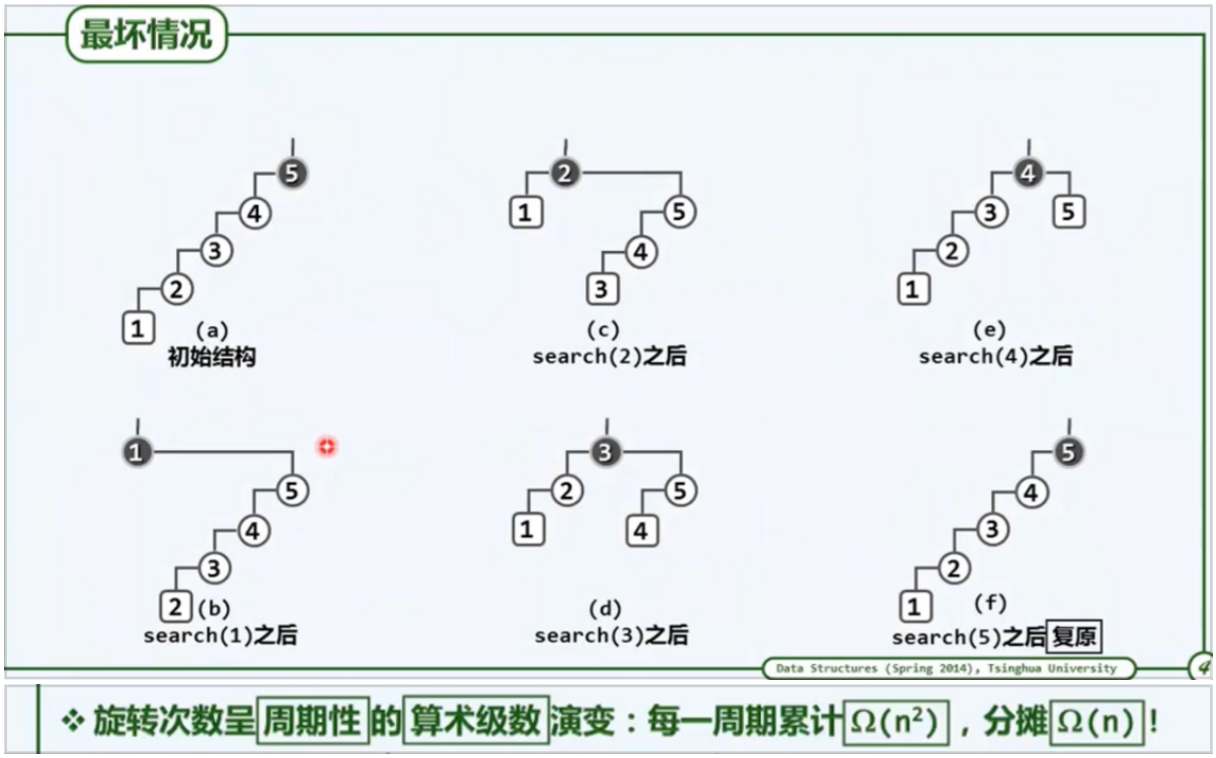
一步一步往上爬



最欢情况：

就是排成一条：O(n)





Wooooooooo

与 log n 相差相差很大，而且与list和Vector毫无区别