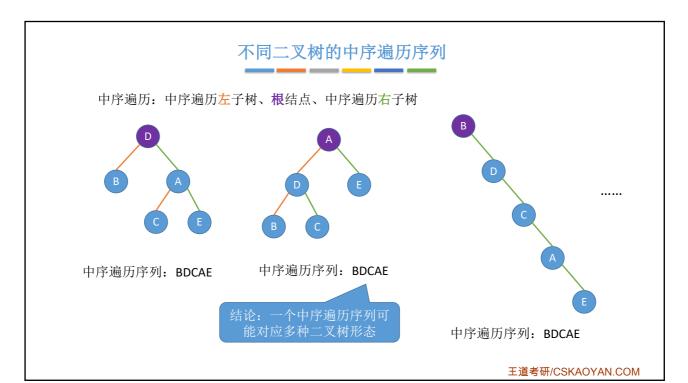
本节内容

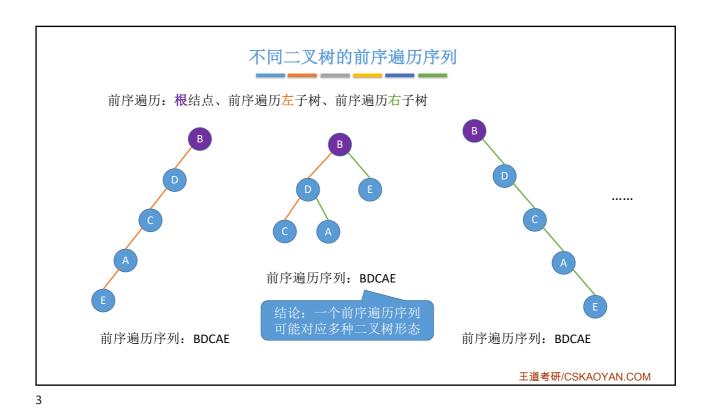
由遍历序列

构造二叉树

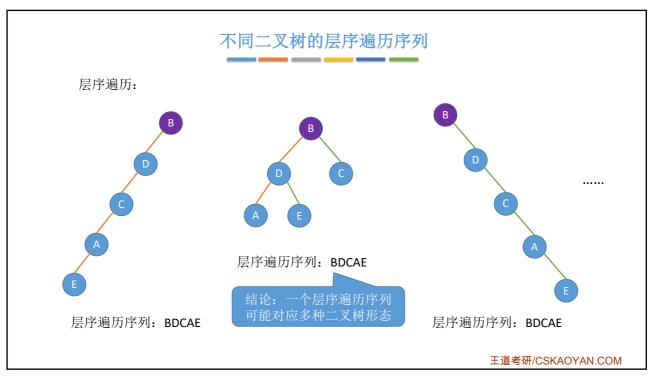
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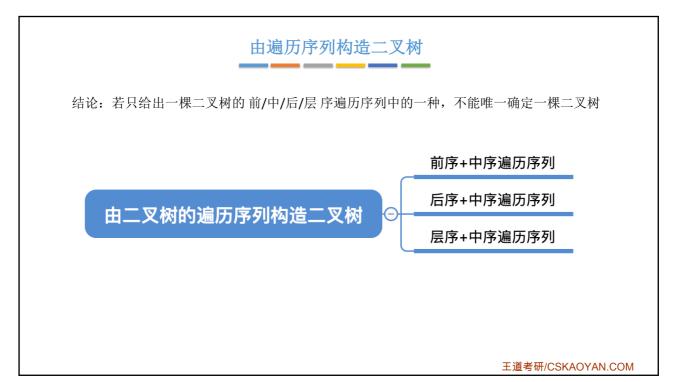
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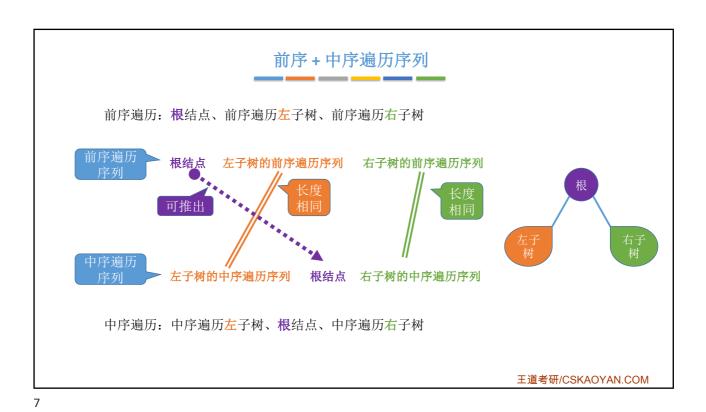




不同二叉树的后序遍历序列 后序遍历: 前序遍历左子树、前序遍历右子树、根结点 后序遍历序列: BDCAE 结论: 一个后序遍历序列 可能对应多种二叉树形态 后序遍历序列: BDCAE 后序遍历序列: BDCAE 王道考研/CSKAOYAN.COM







 例1: 前序 + 中序遍历序列

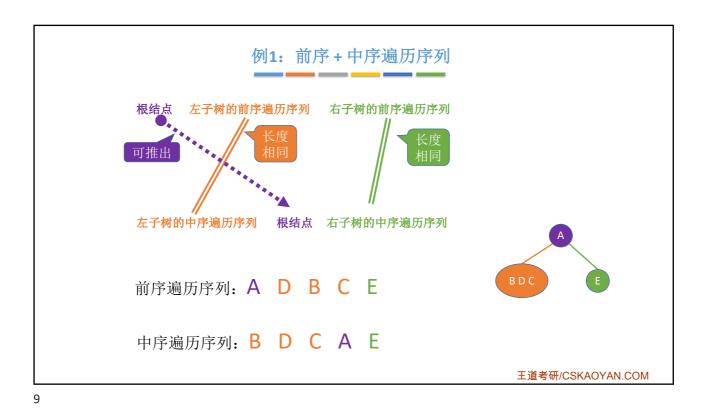
 相信

 大度

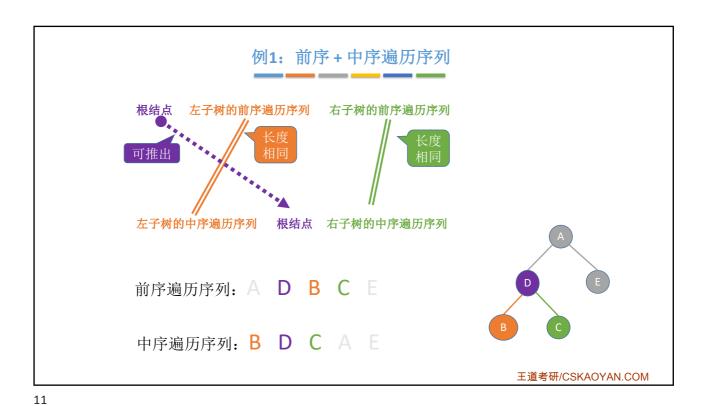
 相同

 日本

 日本<



10



 例1: 前序 + 中序遍历序列

 相信

 大度

 相同

 大度

 相同

 大度

 相同

 上意验证

 本

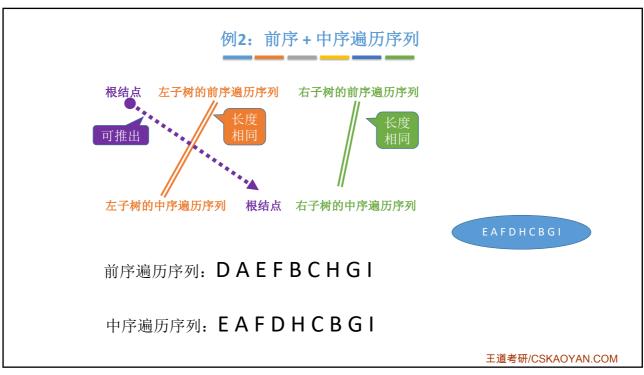
 中序遍历序列: A D B C E

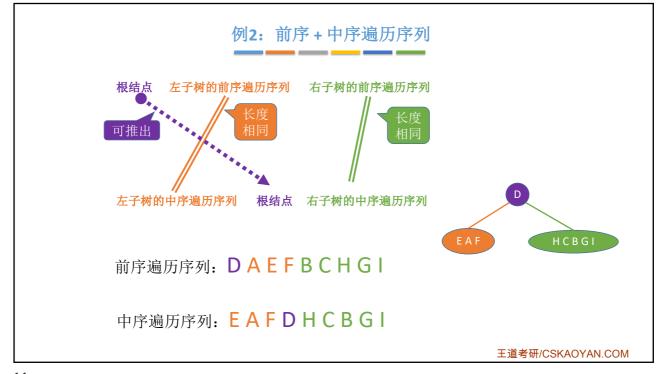
 中序遍历序列: B D C A E

 E

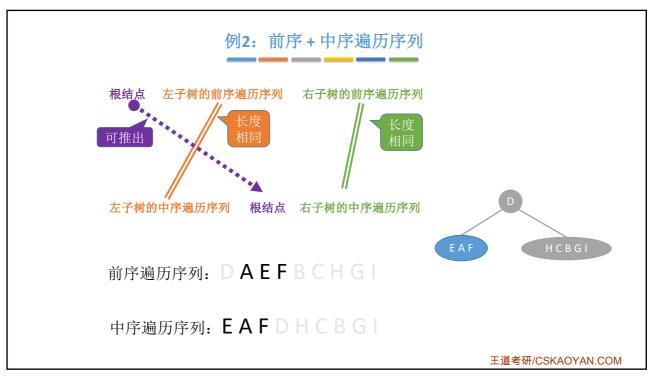
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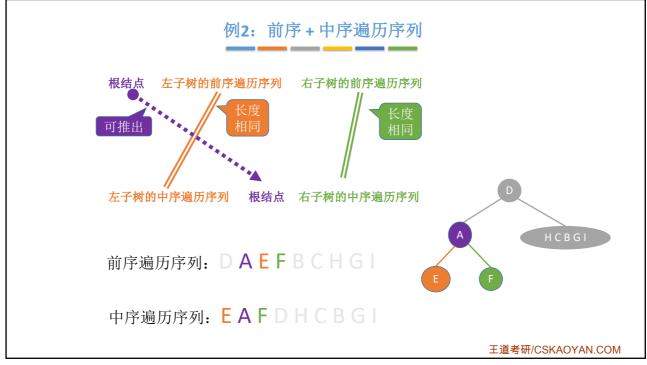
12



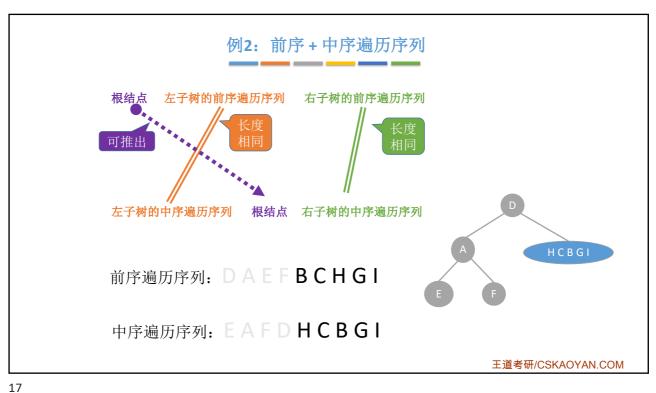


14

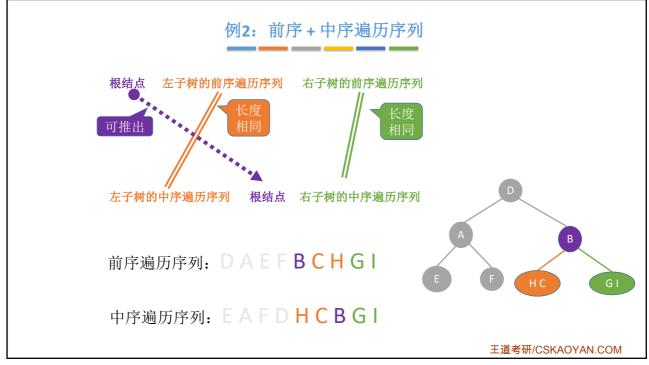




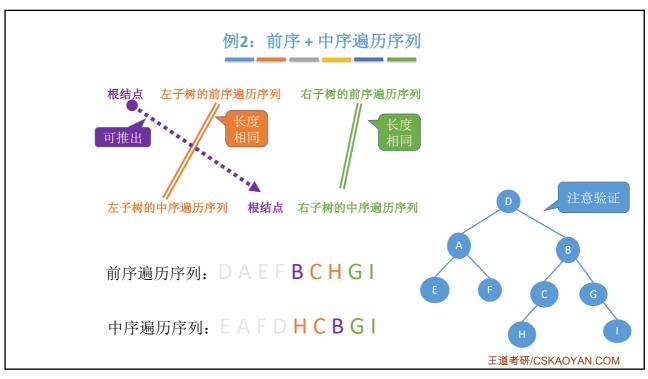
16

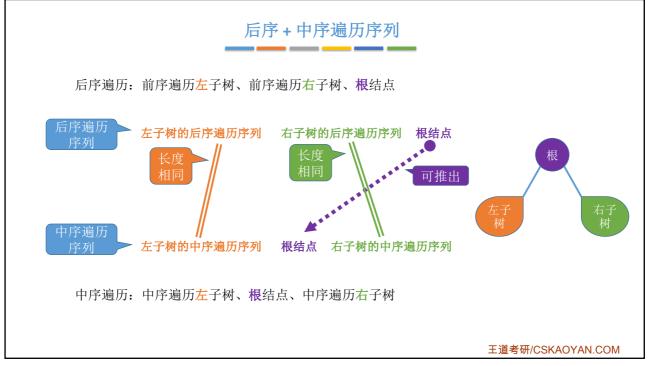


Ι/



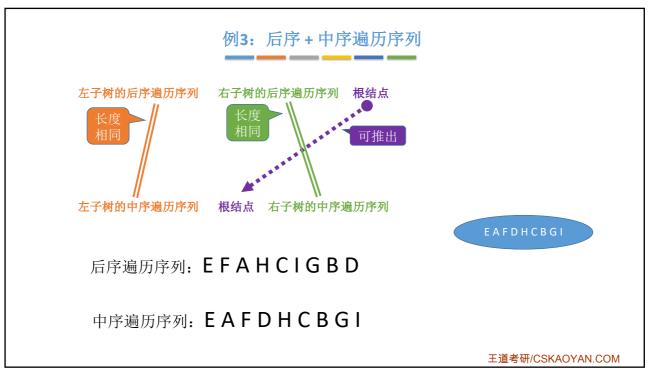
18

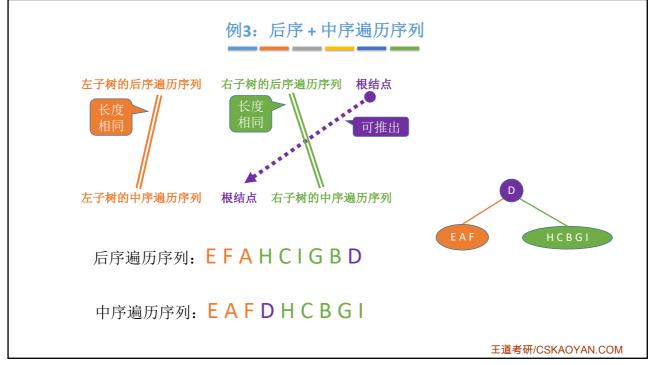




20

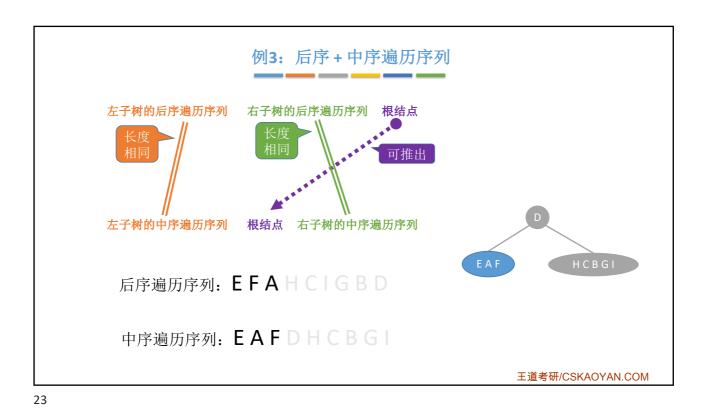
王道考 /// 25/00/25/00/10





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王道考 [[]], [[]] [[]] [[] [[]] [[]] [[] [[]] [[]] [[] [[]]



 左子树的后序遍历序列
 右子树的后序遍历序列
 根结点

 大度 相同
 根结点
 在子树的中序遍历序列

 左子树的中序遍历序列
 根结点
 在子树的中序遍历序列

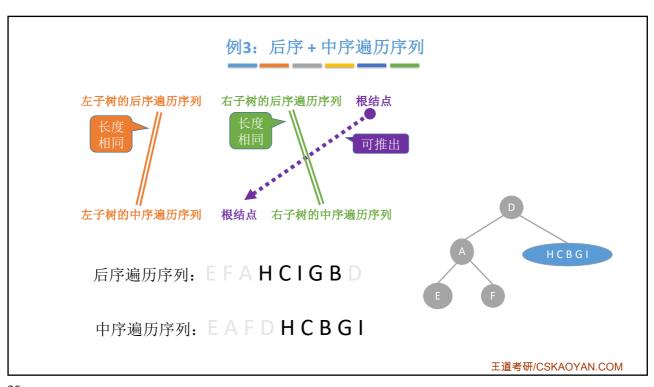
 后序遍历序列:
 EFAHCIGBD

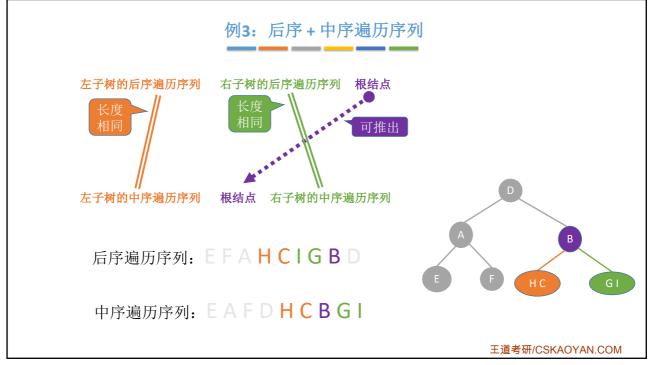
 中序遍历序列:
 EAFDHCBGI

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王道考 [[]], 55,65,65,65,65

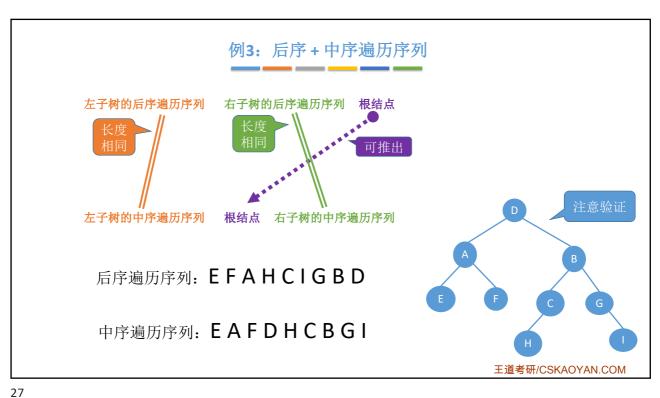
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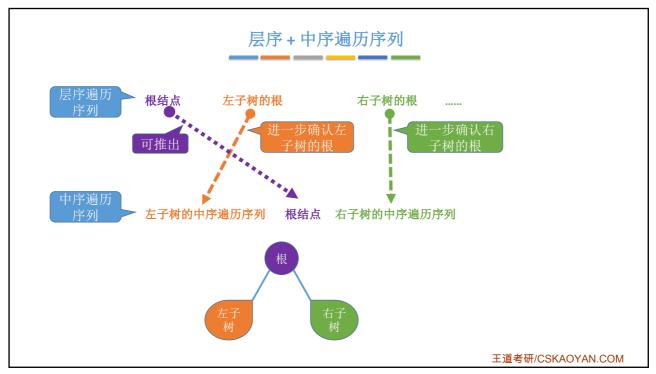


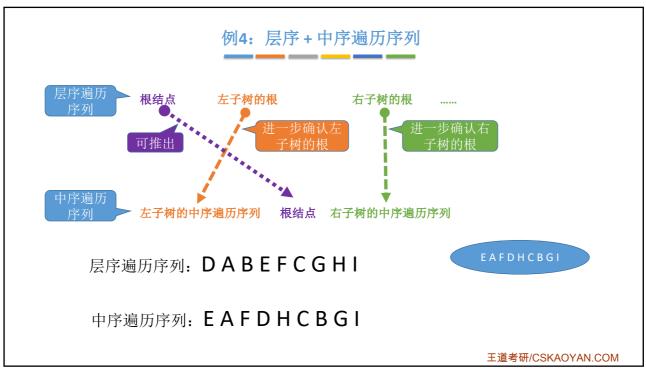


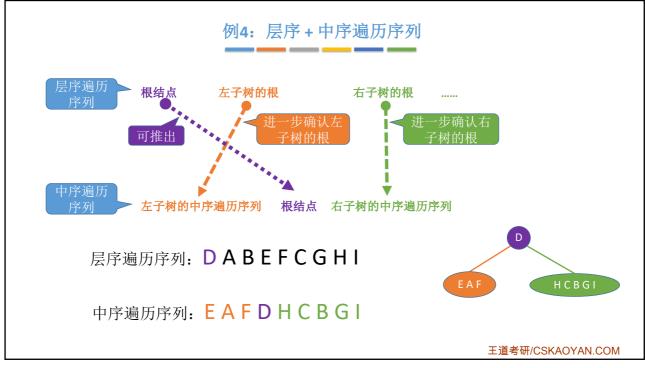
26

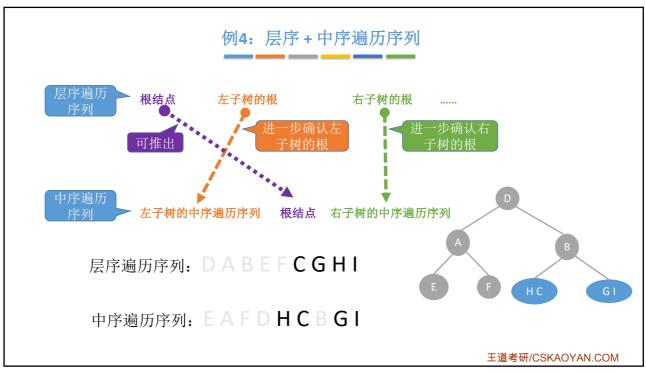
王道考 /// 25/02/32/105/105

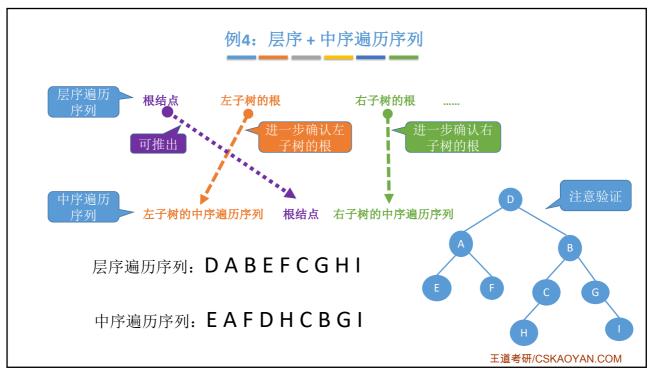


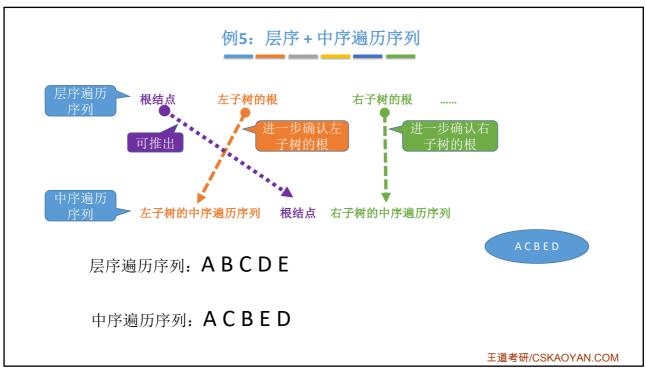


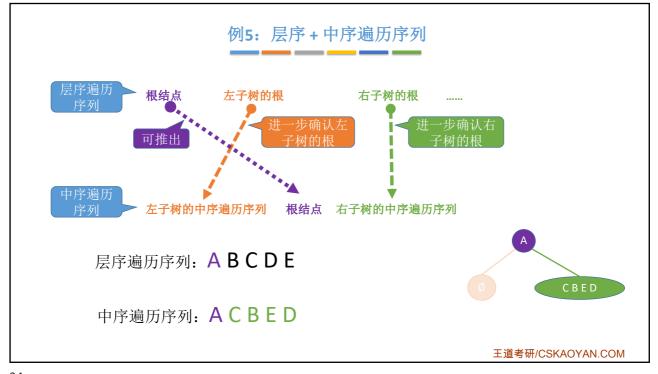






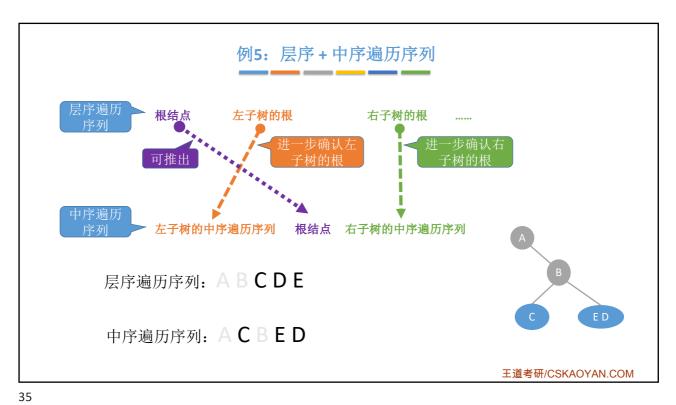


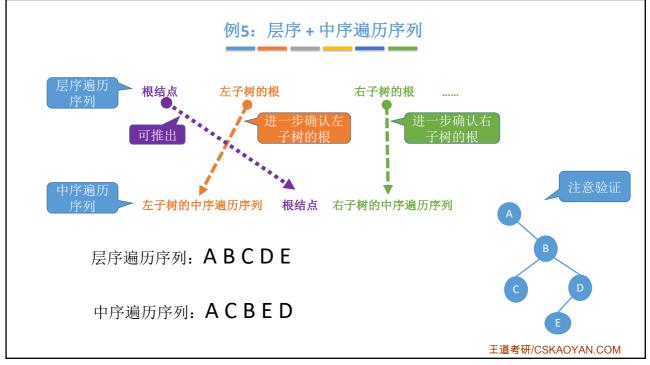




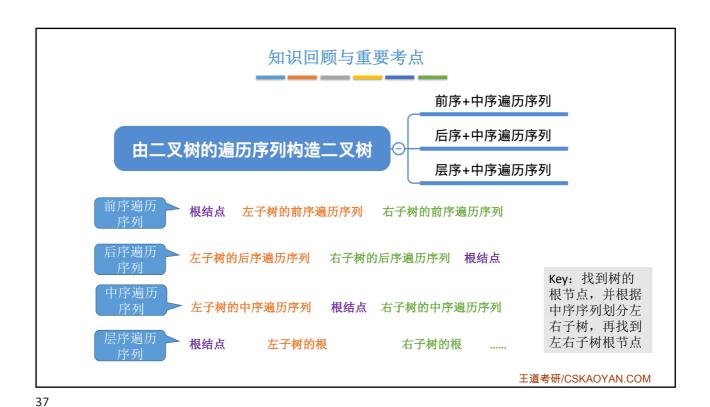
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王道考 /// 55/105/11





王道考 /// 55/105/11



若前序、后序、层序序列两两组合?

前序遍历序列: A B

后序遍历序列: **BA**

层序遍历序列: A B

В



结论:前序、后序、层序 序列的两两组合无法唯一 确定一科二叉树



抱歉 不能

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