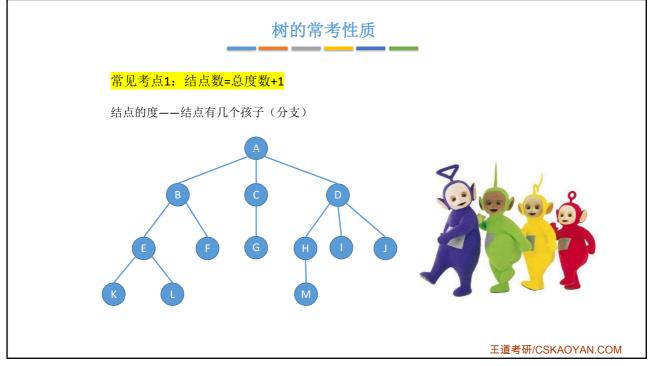
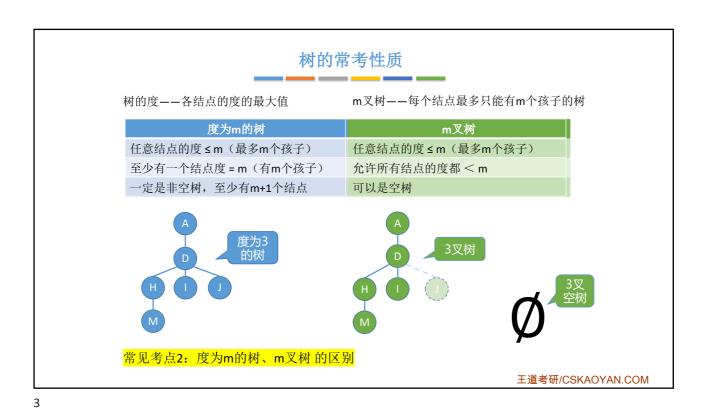
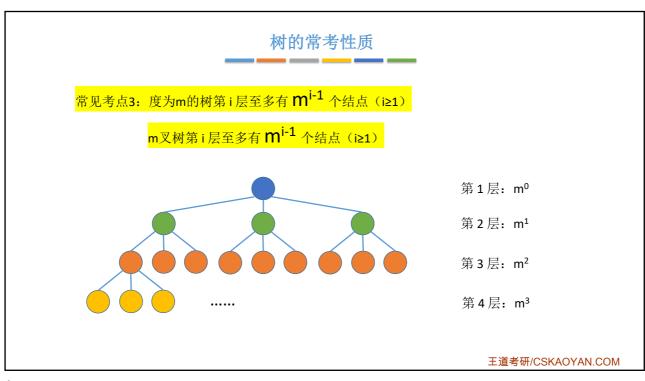


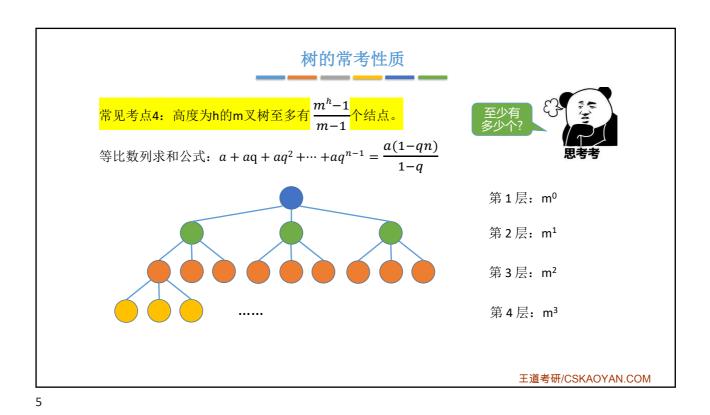
1

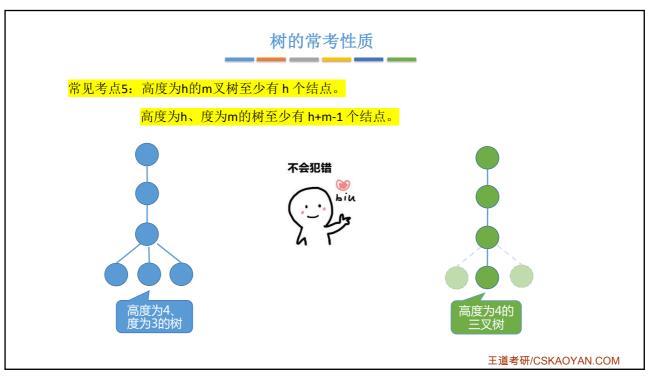


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树的常考性质

常见考点6: 具有n个结点的m叉树的最小高度为「log_m(n(m - 1) + 1)]

高度最小的情况——所有结点都有m个孩子

前h-1层最多 有几个结点 $\frac{m^{h-1}-1}{m-1} < n \le \frac{m^h-1}{m-1}$ 前h层最多 有几个结点

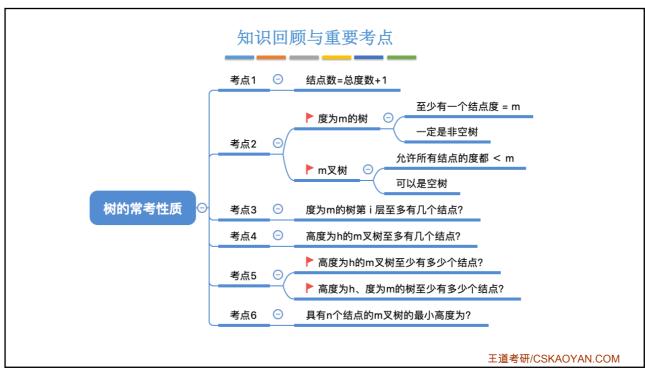
$$m^{h-1} < n(m-1) + 1 \le mh$$

$$h - 1 < \log_{m}(n(m - 1) + 1) \le h$$

$$h_{min} = \lceil \log_{\mathsf{m}}(\mathsf{n}(\mathsf{m} - 1) + 1) \rceil$$

王道考研/CSKAOYAN.COM

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