课程尚未开始
请大家耐心等待

关注微信公共账号，获得最新面试题信息及解答

Weibo:
http://www.weibo.com/ninechapter

6. Follow Up Question

高级算法班IT求职面试培训 第6章
www.ninechapter.com

面试当中的follow up 问题

大家通常的问题

1. 如何结合已有的知识去解决follow up 问题?
2. 怎么样用相同的模板解决更困难的follow up题目?

目的

模板是死的

希望大家能够学到要怎么样去活用模板的思想

Find Peak Element

http://www.lintcode.com/en/problem/find-peak-element/

Find Peak Element II

http://www.lintcode.com/en/problem/find-peak-element-ii/

用一道题足以
区分5类面试者

一道题可以区分5类面试者

1.	Find Peak Element 只会O(n)	只会写for循环
2.	Find Peak Element 会O(log(n))	会优化
3.	Find Peak Element II 只会O(n^2)	会优化不会举一反三
4.	Find Peak Element II 会O(nlog(n))	会优化会举一反三
5.	Find Peak Element II 会证明是O(n)	会举一反四

帮助大家从1，2，3　晋升到4，5 档。

Partition 思想

Quick sort *
Quick select
Nuts & Bolts Problem

http://www.lintcode.com/en/problem/nuts-bolts-problem/

Median follow up

http://www.lintcode.com/en/problem/median/

http://www.lintcode.com/en/problem/median-of-two-sorted-arrays/

http://www.lintcode.com/en/problem/data-stream-median/

http://www.lintcode.com/en/problem/sliding-window-median/

第k大问题

1. http://www.lintcode.com/en/problem/kth-largest-element/
2. http://www.lintcode.com/en/problem/kth-smallest-number-in-sorted-matrix/
3. 两个数组他们乘积（和）的第k大
4. n个组的第k大数
5. n个数组多台机器第k大(k比较小)
6. n个数组多台机器第k大(k比较大)

n个数组的第k大

Bad Candidate:

Cannot figure out

Medium Candidate:

Heap

Good Candidate:

n个数组的第k大

1: 单机? → Heap

2: 多机?

Strong Candidate:

k 的大小?

a: k比较小 ?

b: k比较大 ?

扫描线

http://www.lintcode.com/en/problem/number-of-airplanes-in-the-sky/

Follow up: http://www.lintcode.com/en/problem/building-outline/

Subarray sum

Subarray sum

http://www.lintcode.com/en/problem/subarray-sum/

Submatrix Sum

http://www.lintcode.com/en/problem/submatrix-sum/

Subarray Sum Closet

http://www.lintcode.com/en/problem/subarray-sum-closest/

Subarray Sum II

http://www.lintcode.com/en/problem/subarray-sum-ii/