

面试高频题目

Monday, June 17, 2019

7:23 PM

1 Two Sum
2 Add Two Numbers,
reverse linked list inplace
146 LRU Cache
single linked list with timestamp.
5. Longest Palindromic Substring
n2 extend way, no need manacher
4 Median of Two Sorted Arrays
hard level.
973 K Closest Points to Origin
heap
200 Number of Islands
dfs, bfs, unionfind array and node
42 Trapping Rain Water
single array, one way stack, 2 pointer.
3 Longest Substring Without Repeating Characters
one 128 size array. incremental pointer.
53 Maximum Subarray
23 Merge k Sorted Lists
20 Valid Parentheses
2 variable linear time.
56 Merge Intervals, 253 Meeting Rooms II
topo sort, sweep line
301 Remove Invalid Parentheses
dfs, not hard but complicated logic
33 Search in Rotated Sorted Array
conditional binary search
297 Serialize and Deserialize Binary Tree
python iterator, save space
297 Serialize and Deserialize Binary Tree
subtle way to use counter dict
138 Copy List with Random Pointer
very good idea to copy linked list
322 Coin Change
79 Word Search
560 Subarray Sum Equals K
49 Group Anagrams
not much good way. could use prime number to
multiply but only for small number
31 Next Permutation
10 Regular Expression Matching
hard
295 Find Median from Data Stream
2 heap
46 Permutations
215 Kth Largest Element in an Array
quick select, very important
127 Word Ladder
dfs, bfs, trie
139 Word Break
dfs with memorization
621. Task Scheduler
91 Decode Ways
103 Binary Tree Zigzag Level Order Traversal
simple bfs
98 Validate Binary Search Tree
use None as min and max
642 Design Search Autocomplete System
trie
85 Maximal Rectangle
one way stack
283 Move Zeroes
different ways, use less read or write
124 Binary Tree Maximum Path Sum
986 Interval List Intersections
39 Combination Sum
227 Basic Calculator II
very subtle
239 Sliding Window Maximum
ask many times, could be used for rate limiter
236 Lowest Common Ancestor of a Binary Tree
45 Jump Game II
212 Word Search II
207 Course Schedule
very important, topo sorting, graph,
with dependency will need 2 set for marking,
pending set, finish set.
34 Find First and Last Position of Element in Sorted
Array
very important, binary search template.
341 Flatten Nested List Iterator
133 Clone Graph
695 Max Area of Island
426 Convert Binary Search Tree to Sorted Doubly
Linked List
300 Longest Increasing Subsequence
50 Pow(x, n)
173 Binary Search Tree Iterator
210 Course Schedule II
199 Binary Tree Right Side View
329 Longest Increasing Path in a Matrix
128 Longest Consecutive Sequence
105 Construct Binary Tree from Preorder and Inorder
Traversal
277 Find the Celebrity
198 House Robber
211 Add and Search Word - Data structure design
545 Boundary of Binary Tree
547 Friend Circles
150 Evaluate Reverse Polish Notation
208 Implement Trie (Prefix Tree)
84 Largest Rectangle in Histogram
165 Compare Version Numbers
244 Shortest Word Distance II
28 Implement strStr()
kmp
230 Kth Smallest Element in a BST
template!
36 Valid Sudoku
272 Closest Binary Search Tree Value II
template
611 Valid Triangle Number
346 Moving Average from Data Stream
366 Find Leaves of Binary Tree
339 Nested List Weight Sum
463 Island Perimeter
252 Meeting Rooms
104 Maximum Depth of Binary Tree
209 Minimum Size Subarray Sum
240 Search a 2D Matrix II
123 Best Time to Buy and Sell Stock III, damn hard for
google
407 Trapping Rain Water II
heap
116 Populating Next Right Pointers in Each Node
114 Flatten Binary Tree to Linked List
284 Peeking Iterator
142 Linked List Cycle II
109 Convert Sorted List to Binary Search Tree
110 Balanced Binary Tree
130 Surrounded Regions
285 Inorder Successor in BST
169 Majority Element
235 Lowest Common Ancestor of a Binary Search Tree
704 Binary Search, template
450 Delete Node in a BST
1008 Construct Binary Search Tree from Preorder
Traversal
605 Can Place Flowers
223 Rectangle Area
100 Same Tree
303 Range Sum Query - Immutable
290 Word Pattern
654 Maximum Binary Tree
1026 Maximum Difference Between Node and
Ancestor
305 Number of Islands II
307 Range Sum Query - Mutable
segment tree!

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