Mircrosoft VO

1. 1239. Maximum Length of a Concatenated String with Unique Characters -- Medium
2. 234. Palindrome Linked List -- Easy **O(1)**
3. 297. Serialize and Deserialize Binary Tree -- Hard
4. 428. Serialize and Deserialize N-ary Tree -- Hard
5. 1188. Design Bounded Blocking Queue -- Medium
6. 103. Binary Tree Zigzag Level Order Traversal -- Medium +
7. 1197. Minimum Knight Moves -- Medium
8. 23. Merge k Sorted Lists -- Hard
9. Sell Stock Series -- Easy to Hard III and IV need practice more
10. 398. Random Pick Index -- Medium
11. 287. Find the Duplicate Number -- Medium **follow up** +
12. 146. LRU Cache -- Medium +
13. 49. Group Anagrams -- Medium
14. 535. Encode and Decode TinyURL -- Medium
15. 438. Find All Anagrams in a String -- Medium
16. 273. Integer to English Words -- Hard
17. 138. Copy List with Random Pointer -- Medium
18. 171. Excel Sheet Column Number -- Easy
19. 348. Design Tic-Tac-Toe -- Medium
20. 783. Minimum Distance Between BST Nodes -- Easy
21. 247. Strobogrammatic Number II -- Medium
22. 21. Merge Two Sorted Lists -- Easy
23. 347. Top K Frequent Elements -- Medium + quick select
24. 721. Accounts Merge -- Medium
25. new grad 001
26. find duplicate in ascending array
27. 198. House Robber -- Medium
28. 489. Robot Room Cleaner -- Hard
29. 4. Median of Two Sorted Arrays -- Hard
30. 295. Find Median from Data Stream -- Hard
31. 183. Customers Who Never Order -- Easy
32. 33. Search in Rotated Sorted Array -- Medium
33. 445. Add Two Numbers II -- Medium
34. check if it is BST
35. new grad 002
36. 1446. Consecutive Characters -- Medium
37. 650. 2 Keys Keyboard -- Medium
38. 1344. Angle Between Hands of a Clock -- Medium
39. 13. Roman to Integer -- Easy
40. 36. Valid Sudoku -- Medium
41. 37. Sudoku Solver -- Hard
42. 772. Basic Calculator III -- Hard
43. 53. Maximum Subarray -- Medium
44. 46. Permutations -- Medium
45. 560. Subarray Sum Equals K -- Medium
46. 1586. Binary Search Tree Iterator II -- Medium

47. 127. Word Ladder -- Hard
48. 126. Word Ladder II -- Hard
49. 90. Subsets II -- Medium +
50. 210. Course Schedule II -- Medium
51. 207. Course Schedule -- Medium
52. 340. Longest Substring with At Most K Distinct Characters -- Medium
53. 239. Sliding Window Maximum -- Hard +
54. Lock
55. 62. Unique Paths -- Medium
56. int sqr(x)
57. 56. Merge Intervals -- Medium +
58. source to destination, minimum cost
59. 463. Island Perimeter -- Easy
60. check if IP is valid
61. 128. Longest Consecutive Sequence -- Hard
62. 973. K Closest Points to Origin -- Medium
63. 702. Search in a Sorted Array of Unknown Size
64. given sorted array, find K closest value to target
65. 15. 3Sum -- Medium
66. 124. Binary Tree Maximum Path Sum -- Hard
67. Transfer BST to ascending doubly LinkedList
68. Find if an array of strings can be chained to form a circle
69. 1258. Synonymous Sentences -- Medium
70. 54. Spiral Matrix -- Medium
71. 75. Sort Colors -- Medium
72. Given a linkedList, return K largest values in an array
73. 142. Linked List Cycle II -- Medium +
74. kth smallest element in two sorted list
75. 68. Text Justification -- Hard
76. 346. Moving Average from Data Stream -- Easy
77. 4. Median of Two Sorted Arrays -- Hard +
78. find max number combination。e.g. give [23, 12, 56], return 562312.
79. 42. Trapping Rain Water -- Hard
80. 258. Add Digits -- Easy
81. 332. Reconstruct Itinerary -- Medium
82. 340. Longest Substring with At Most K Distinct Characters -- Medium
83. check if a integer is a prime
84. 460. LFU Cache -- Hard
85. return node and height of the tree
86. 1780. Check if Number is a Sum of Powers of Three -- Medium
87. first unique number or char in the string +
88. Merge sort array +
89. Minimum Adjacent swaps to make palindrome
90. 1312. Minimum Insertion Steps to Make a String Palindrome -- Hard
91. Find the minimum number of deletions required to convert a string into a palindrome
92. Minimum number of characters to be replaced to make a given string Palindrome
93. Minimum number of Appends needed to make a string palindrome
94. 416. Partition Equal Subset Sum -- Medium / 698. Partition to K Equal Sum Subsets -- Medium
95. 236. Lowest Common Ancestor of a Binary Tree -- Medium
96. 48. Rotate Image -- Medium
97. topological sort, 拓扑排序？？？
98. 122. Best Time to Buy and Sell Stock II -- Medium

99. given a stirng and a set of patterns, remove patterns from the string
100. 17. Letter Combinations of a Phone Number -- Medium
101. 692. Top K Frequent Words -- Medium
102. 322. Coin Change -- Medium
103. 88. Merge Sorted Array -- Easy **O(N)**
104. 1. Two Sum -- Easy
105. Quick Sort
106. other 001
107. 449. Serialize and Deserialize BST -- Medium
108. 647. Palindromic Substrings -- medium
109. merge to linked list / 160 intersection of linkedlists
110. 20. valid parentheses -- Medium