

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. [449. Serialize and Deserialize BST -- Medium](#)
6. [1188. Design Bounded Blocking Queue -- Medium](#)
7. [103. Binary Tree Zigzag Level Order Traversal -- Medium](#) +
8. [1197. Minimum Knight Moves -- Medium](#)
9. [23. Merge k Sorted Lists -- Hard](#)
10. [Sell Stock Series -- Easy to Hard](#)
11. [398. Random Pick Index -- Medium](#)
12. [287. Find the Duplicate Number -- Medium](#) **follow up** +
13. [146. LRU Cache -- Medium](#) +
14. [49. Group Anagrams -- Medium](#)
15. [535. Encode and Decode TinyURL -- Medium](#)
16. [438. Find All Anagrams in a String -- Medium](#)
17. [273. Integer to English Words -- Hard](#)
18. [138. Copy List with Random Pointer -- Medium](#)
19. [171. Excel Sheet Column Number -- Easy](#)
20. [348. Design Tic-Tac-Toe -- Medium](#)
21. [783. Minimum Distance Between BST Nodes -- Easy](#) **must think of In-order for BST**
22. [247. Strobogrammatic Number II -- Medium](#)
23. [21. Merge Two Sorted Lists -- Easy](#)
24. [347. Top K Frequent Elements -- Medium](#) +
25. [721. Accounts Merge -- Medium](#)
26. [new grad 001](#)
27. [80. Remove Duplicates from Sorted Array II -- Medium](#)
28. [198. House Robber -- Medium](#)
29. [489. Robot Room Cleaner -- 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. [Min distance in a graph](#)
- 36. [1446. Consecutive Characters -- Easy](#)
- 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 -- Easy](#)
- 44. [46. Permutations -- Medium](#)
 - 1. [31. Next Permutation -- Medium](#)
 - 2. [47. Permutations II](#)
- 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](#) check III if have time
- 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 sqrt(x)`
- 57. [56. Merge Intervals -- Medium](#) +
- 58. [source to destination, minimum cost](#)
- 59. [463. Island Perimeter -- Easy](#)
- 60. [468. Validate IP Address](#)
- 61. [128. Longest Consecutive Sequence -- Hard](#) **follow up**
- 62. [973. K Closest Points to Origin -- Medium](#)

- 63. [702. Search in a Sorted Array of Unknown Size](#)
- 64. [658. Find K Closest Elements -- Medium](#)
- 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](#)
 - 1. [1048. Longest String Chain -- Medium](#)
- 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. [68. Text Justification -- Hard](#)
- 75. [346. Moving Average from Data Stream -- Easy](#)
- 76. [4. Median of Two Sorted Arrays -- Hard](#) + / kth smallest element in two sorted list
- 77. [179. Largest Number](#). e.g. give [23, 12, 56], return 562312.
- 78. [42. Trapping Rain Water -- Hard](#)
- 79. [258. Add Digits -- Easy](#)
- 80. [332. Reconstruct Itinerary -- Medium](#)
- 81. [check if a integer is a prime](#)
- 82. [460. LFU Cache -- Hard](#)
- 83. return node and height of the tree
- 84. [1780. Check if Number is a Sum of Powers of Three -- Medium](#)
- 85. [1429. First Unique Number](#) +
- 86. [23. Merge k Sorted Lists](#) +
- 87. [Minimum Adjacent swaps to make palindrome](#)
- 88. [1312. Minimum Insertion Steps to Make a String Palindrome -- Hard](#)
 - 1. [1143. Longest Common Subsequence](#)
 - 2. [516. Longest Palindromic Subsequence](#)
 - 3. [1062. Longest Repeating Substring](#) Binary search length
- 89. [Find the minimum number of deletions required to convert a string into a palindrome](#)
- 90. [Minimum number of characters to be replaced to make a given string Palindrome](#)
- 91. [Minimum number of Appends needed to make a string palindrome](#)
- 92. [416. Partition Equal Subset Sum -- Medium](#) / [698. Partition to K Equal Sum Subsets -- Medium](#)

- 93. [236. Lowest Common Ancestor of a Binary Tree -- Medium](#)
- 94. [48. Rotate Image -- Medium](#) clockwise: transpose + reverse row, anti: transpose + reverse col
- 95. given a string and a set of patterns, remove patterns from the string
 - 1. [205. Isomorphic Strings](#)
 - 2. [890. Find and Replace Pattern](#) two maps or convert string to id string abbc -> 0112
- 96. [17. Letter Combinations of a Phone Number -- Medium](#)
- 97. [692. Top K Frequent Words -- Medium](#)
- 98. [322. Coin Change -- Medium](#)
- 99. [88. Merge Sorted Array -- Easy](#) **O(N + M)**
- 100. [1. Two Sum -- Easy](#)
- 101. Quick Sort
- 102. [other 001](#)
 - 1. [79. Word Search](#)
 - 2. [212. Word Search II](#) backtracking + trie
 - 3. [makeChocolate](#)
 - 4. N node value.
- 103. [647. Palindromic Substrings -- medium](#)
- 104. merge to linked list / [160 intersection of linked lists](#) two pointers and HashTable
- 105. [20. valid parentheses -- Easy](#) finally return if `stack.size() == 0`
 - 1. [1003. Check If Word Is Valid After Substitutions -- Medium](#)
 - 2. [22. Generate Parentheses -- Medium](#)
 - 3. [32. Longest Valid Parentheses -- Hard](#)
- 106. [Egg Dropping Puzzle](#)
- 107. [218. The Skyline Problem -- Hard](#)
- 108. [155 min stack -- Easy](#) two stack.
- 109. Daily Temperature