**Microsoft**

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|  | **#** | **Title** | **Acceptance** | **Difficulty** | **Solution Review** |
| --- | --- | --- | --- | --- | --- |
|  | 206 | [Reverse Linked List](https://leetcode.com/problems/reverse-linked-list/) | 40.5% | Easy | One time scan. Need to remember. |
|  | 151 | [Reverse Words in a String](https://leetcode.com/problems/reverse-words-in-a-string/) | 15.7% | Medium | One time scan. |
|  | 1 | [Two Sum](https://leetcode.com/problems/two-sum/) | 24.5% | Easy | One time scan. |
|  | 138 | [Copy List with Random Pointer](https://leetcode.com/problems/copy-list-with-random-pointer/) | 26.1% | Hard |  |
|  | 235 | [Lowest Common Ancestor of a Binary Search Tree](https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree/) | 37.5% | Easy | Use lower and higher bounds (long type) as the parameters. |
|  | 8 | [String to Integer (atoi)](https://leetcode.com/problems/string-to-integer-atoi/) | 13.6% | Easy |  |
|  | 171 | [Excel Sheet Column Number](https://leetcode.com/problems/excel-sheet-column-number/) | 42.7% | Easy |  |
|  | 141 | [Linked List Cycle](https://leetcode.com/problems/linked-list-cycle/) | 36.5% | Easy | Two pointers. |
|  | 2 | [Add Two Numbers](https://leetcode.com/problems/add-two-numbers/) | 23.9% | Medium | Use sum and carry. |
|  | 98 | [Validate Binary Search Tree](https://leetcode.com/problems/validate-binary-search-tree/) | 21.2% | Medium |  |
|  | 88 | [Merge Sorted Array](https://leetcode.com/problems/merge-sorted-array/) | 30.4% | Easy |  |
|  | 4 | [Median of Two Sorted Arrays](https://leetcode.com/problems/median-of-two-sorted-arrays/) | 19.1% | Hard |  |
|  | 146 | [LRU Cache](https://leetcode.com/problems/lru-cache/) | 15.8% | Hard |  |
|  | 21 | [Merge Two Sorted Lists](https://leetcode.com/problems/merge-two-sorted-lists/) | 36.1% | Easy | Use a dummy head pointer to simplify code. |
|  | 273 | [Integer to English Words](https://leetcode.com/problems/integer-to-english-words/) | 19.3% | Hard |  |
|  | 237 | [Delete Node in a Linked List](https://leetcode.com/problems/delete-node-in-a-linked-list/) | 44.2% | Easy |  |
|  | 200 | [Number of Islands](https://leetcode.com/problems/number-of-islands/) | 28.6% | Medium | Number of DFS/BFS that can do. |
|  | 116 | [Populating Next Right Pointers in Each Node](https://leetcode.com/problems/populating-next-right-pointers-in-each-node/) | 36.6% | Medium |  |
|  | 54 | [Spiral Matrix](https://leetcode.com/problems/spiral-matrix/) | 23.0% | Medium |  |
|  | 236 | [Lowest Common Ancestor of a Binary Tree](https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/) | 28.8% | Medium |  |
|  | 117 | [Populating Next Right Pointers in Each Node II](https://leetcode.com/problems/populating-next-right-pointers-in-each-node-ii/) | 33.0% | Hard | Use pointers to save next row’s first and last scanned node. |
|  | 75 | [Sort Colors](https://leetcode.com/problems/sort-colors/) | 35.1% | Medium | Use three pointers: pointer A for 0 from beginning; pointer B for 2 from ending; pointer C to scan all values from left, till it meets B. |
|  | 53 | [Maximum Subarray](https://leetcode.com/problems/maximum-subarray/) | 37.1% | Medium |  |
|  | 20 | [Valid Parentheses](https://leetcode.com/problems/valid-parentheses/) | 30.0% | Easy |  |
|  | 168 | [Excel Sheet Column Title](https://leetcode.com/problems/excel-sheet-column-title/) | 22.4% | Easy |  |
|  | 26 | [Remove Duplicates from Sorted Array](https://leetcode.com/problems/remove-duplicates-from-sorted-array/) | 34.0% | Easy |  |
|  | 15 | [3Sum](https://leetcode.com/problems/3sum/) | 19.2% | Medium |  |
|  | 268 | [Missing Number](https://leetcode.com/problems/missing-number/) | 41.1% | Medium |  |
|  | 218 | [**The Skyline Problem**](https://leetcode.com/problems/the-skyline-problem/) | 23.2% | Hard |  |
|  | 191 | [Number of 1 Bits](https://leetcode.com/problems/number-of-1-bits/) | 37.6% | Easy |  |
|  | 160 | [Intersection of Two Linked Lists](https://leetcode.com/problems/intersection-of-two-linked-lists/) | 30.4% | Easy |  |
|  | 48 | [Rotate Image](https://leetcode.com/problems/rotate-image/) | 35.2% | Medium |  |
|  | 24 | [Swap Nodes in Pairs](https://leetcode.com/problems/swap-nodes-in-pairs/) | 35.7% | Easy |  |
|  | 13 | [Roman to Integer](https://leetcode.com/problems/roman-to-integer/) | 40.5% | Easy |  |
|  | 238 | [Product of Array Except Self](https://leetcode.com/problems/product-of-array-except-self/) | 43.8% | Medium |  |
|  | 204 | [Count Primes](https://leetcode.com/problems/count-primes/) | 25.0% | Easy |  |
|  | 121 | [Best Time to Buy and Sell Stock](https://leetcode.com/problems/best-time-to-buy-and-sell-stock/) | 36.5% | Easy |  |
|  | 73 | [Set Matrix Zeroes](https://leetcode.com/problems/set-matrix-zeroes/) | 33.9% | Medium |  |
|  | 297 | [Serialize and Deserialize Binary Tree](https://leetcode.com/problems/serialize-and-deserialize-binary-tree/) | 28.6% | Hard |  |
|  | 208 | [Implement Trie (Prefix Tree)](https://leetcode.com/problems/implement-trie-prefix-tree/) | 25.4% | Medium |  |
|  | 189 | [Rotate Array](https://leetcode.com/problems/rotate-array/) | 21.8% | Easy |  |
|  | 174 | [**Dungeon Game**](https://leetcode.com/problems/dungeon-game/) | 21.4% | Hard |  |
|  | 153 | [Find Minimum in Rotated Sorted Array](https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/) | 36.8% | Medium |  |
|  | 102 | [Binary Tree Level Order Traversal](https://leetcode.com/problems/binary-tree-level-order-traversal/) | 33.6% | Easy |  |
|  | 33 | [Search in Rotated Sorted Array](https://leetcode.com/problems/search-in-rotated-sorted-array/) | 30.7% | Hard |  |
|  | 5 | [Longest Palindromic Substring](https://leetcode.com/problems/longest-palindromic-substring/) | 23.5% | Medium |  |
|  | 103 | [Binary Tree Zigzag Level Order Traversal](https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/) | 29.4% | Medium |  |
|  | 232 | [Implement Queue using Stacks](https://leetcode.com/problems/implement-queue-using-stacks/) | 34.2% | Easy |  |
|  | 215 | [Kth Largest Element in an Array](https://leetcode.com/problems/kth-largest-element-in-an-array/) | 34.2% | Medium |  |
|  | 212 | [Word Search II](https://leetcode.com/problems/word-search-ii/) | 20.2% | Hard |  |
|  | 79 | [Word Search](https://leetcode.com/problems/word-search/) | 23.5% | Medium |  |
|  | 23 | [Merge k Sorted Lists](https://leetcode.com/problems/merge-k-sorted-lists/) | 23.9% | Hard |  |
|  | 173 | [Binary Search Tree Iterator](https://leetcode.com/problems/binary-search-tree-iterator/) | 35.5% | Medium |  |
|  | 125 | [Valid Palindrome](https://leetcode.com/problems/valid-palindrome/) | 24.2% | Easy |  |
|  | 106 | [**Construct Binary Tree from Inorder and Postorder Traversal**](https://leetcode.com/problems/construct-binary-tree-from-inorder-and-postorder-traversal/) | 29.5% | Medium |  |
|  | 186 | [Reverse Words in a String II](https://leetcode.com/problems/reverse-words-in-a-string-ii/) | 29.0% | Medium |  |
|  | 165 | [Compare Version Numbers](https://leetcode.com/problems/compare-version-numbers/) | 18.0% | Easy |  |
|  | 162 | [Find Peak Element](https://leetcode.com/problems/find-peak-element/) | 33.4% | Medium |  |
|  | 112 | [Path Sum](https://leetcode.com/problems/path-sum/) | 31.7% | Easy |  |
|  | 101 | [Symmetric Tree](https://leetcode.com/problems/symmetric-tree/) | 34.6% | Easy |  |
|  | 94 | [Binary Tree Inorder Traversal](https://leetcode.com/problems/binary-tree-inorder-traversal/) | 40.5% | Medium |  |
|  | 91 | [Decode Ways](https://leetcode.com/problems/decode-ways/) | 17.8% | Medium |  |
|  | 71 | [Simplify Path](https://leetcode.com/problems/simplify-path/) | 22.4% | Medium |  |
|  | 46 | [Permutations](https://leetcode.com/problems/permutations/) | 36.7% | Medium |  |
|  | 25 | [Reverse Nodes in k-Group](https://leetcode.com/problems/reverse-nodes-in-k-group/) | 28.0% | Hard |  |
|  | 258 | [Add Digits](https://leetcode.com/problems/add-digits/) | 49.1% | Easy |  |
|  | 124 | [Binary Tree Maximum Path Sum](https://leetcode.com/problems/binary-tree-maximum-path-sum/) | 23.7% | Hard |  |
|  | 28 | [Implement strStr()](https://leetcode.com/problems/implement-strstr/) | 25.4% | Easy |  |
|  | 348 | [Design Tic-Tac-Toe](https://leetcode.com/problems/design-tic-tac-toe/) | 43.3% | Medium |  |
|  | 285 | [Inorder Successor in BST](https://leetcode.com/problems/inorder-successor-in-bst/) | 35.8% | Medium |  |
|  | 270 | [Closest Binary Search Tree Value](https://leetcode.com/problems/closest-binary-search-tree-value/) | 35.1% | Easy |  |
|  | 56 | [Merge Intervals](https://leetcode.com/problems/merge-intervals/) | 26.0% | Hard | Sort and scan one-time. |
|  | 47 | [Permutations II](https://leetcode.com/problems/permutations-ii/) | 28.6% | Medium |  |
|  | 365 | [Water and Jug Problem](https://leetcode.com/problems/water-and-jug-problem/) | 20.2% | Medium |  |
|  | 333 | [Largest BST Subtree](https://leetcode.com/problems/largest-bst-subtree/) | 26.9% | Medium |  |
|  | 300 | [**Longest Increasing Subsequence**](https://leetcode.com/problems/longest-increasing-subsequence/) | 35.1% | Medium |  |
|  | 213 | [**House Robber II**](https://leetcode.com/problems/house-robber-ii/) | 31.4% | Medium |  |
|  | 114 | [Flatten Binary Tree to Linked List](https://leetcode.com/problems/flatten-binary-tree-to-linked-list/) | 31.6% | Medium |  |
|  | 55 | [Jump Game](https://leetcode.com/problems/jump-game/) | 28.6% | Medium |  |