**Facebook （Sort by descending frequency）**

Show problem tags

|  | **#** | **Title** | **Acceptance** | **Difficulty** | **Solution Review** |
| --- | --- | --- | --- | --- | --- |
|  | 15 | [3Sum](https://leetcode.com/problems/3sum/) | 19.2% | Medium | Sort, narrow from both sides. |
|  | 283 | [Move Zeroes](https://leetcode.com/problems/move-zeroes/) | 45.1% | Easy | One-time scan and move zeroes to beginning. |
|  | 91 | [Decode Ways](https://leetcode.com/problems/decode-ways/) | 17.8% | Medium | DP: Dp[idx] for number of ways to decode till position idx. |
|  | 67 | [Add Binary](https://leetcode.com/problems/add-binary/) | 28.2% | Easy | Keep track of sum and carry. |
|  | 1 | [Two Sum](https://leetcode.com/problems/two-sum/) | 24.5% | Easy | One-time scan with a hash map from element to index. |
|  | 278 | [First Bad Version](https://leetcode.com/problems/first-bad-version/) | 22.8% | Easy | Binary search. |
|  | 17 | [Letter Combinations of a Phone Number](https://leetcode.com/problems/letter-combinations-of-a-phone-number/) | 29.5% | Medium | Scan one-time, do DFS. Keep a pass-by-value ‘path’ variable in DFS parameter list. |
|  | 10 | [Regular Expression Matching](https://leetcode.com/problems/regular-expression-matching/) | 22.4% | Hard | DP: DP[i][j] for whether substring 0~i matches with sub-pattern 0~j. Three cases: pattern ends in char or ‘.’; ends in ‘\*” with three cases: matches 0, 1, multiple occurrences. |
|  | 139 | [Word Break](https://leetcode.com/problems/word-break/) | 25.9% | Medium | DP: DP[i] for whether substring 0~i can be ‘word-breakable’. |
|  | 23 | [Merge k Sorted Lists](https://leetcode.com/problems/merge-k-sorted-lists/) | 23.9% | Hard | Java solution that beats 100%: based on ‘merge 2 sorted list’, then use ‘binary search’ fashion to merge half left, half right and merge two resulting lists. |
|  | 206 | [Reverse Linked List](https://leetcode.com/problems/reverse-linked-list/) | 40.5% | Easy | Need to remember the single pass solution. |
|  | 56 | [Merge Intervals](https://leetcode.com/problems/merge-intervals/) | 26.0% | Hard | Sort by starting time. Merge one by one and modify the back() of result if necessary. |
|  | 78 | [Subsets](https://leetcode.com/problems/subsets/) | 32.3% | Medium | Classic: DFS with path parameter. Path may select current node or none. |
|  | 76 | [Minimum Window Substring](https://leetcode.com/problems/minimum-window-substring/) | 21.7% | Hard | Classic: two cursors – right move forward till all chars are included, then move left cursor forward till condition broken. Until right cursor reaches end. Need concise code to be successful. |
|  | 133 | [Clone Graph](https://leetcode.com/problems/clone-graph/) | 24.9% | Medium | Use Map from original node to cloned node. When doing DFS, use mapped node first if available, otherwise create a new node. |
|  | 301 | [Remove Invalid Parentheses](https://leetcode.com/problems/remove-invalid-parentheses/) | 32.6% | Hard |  |
|  | 257 | [Binary Tree Paths](https://leetcode.com/problems/binary-tree-paths/) | 29.8% | Easy | Classic: DFS with path and result parameters. Push path to result when path reaches leaf. Otherwise concatenate paths to extend it. |
|  | 125 | [Valid Palindrome](https://leetcode.com/problems/valid-palindrome/) | 24.2% | Easy | Draw close two cursors from leftmost and rightmost positions. |
|  | 75 | [Sort Colors](https://leetcode.com/problems/sort-colors/) | 35.1% | Medium | 1 cursor from left to right for RED boundary, 2nd cursor from right to left for BLUE boundary. Use a third generic cursor to scan from left to right and fill 0(red) and 2(blue) to the above cursor positions and ends when this 3rd cursor hits 2nd cursor. |
|  | 38 | [Count and Say](https://leetcode.com/problems/count-and-say/) | 29.8% | Easy | Just iterate and scan. |
|  | 273 | [Integer to English Words](https://leetcode.com/problems/integer-to-english-words/) | 19.3% | Hard | \*Very nice recursion. Need clean code. Up to ‘billion’ (not trillion). |
|  | 200 | [Number of Islands](https://leetcode.com/problems/number-of-islands/) | 28.6% | Medium | ‘Connected Components’. Count how many DFS I need to do. |
|  | 161 | [One Edit Distance](https://leetcode.com/problems/one-edit-distance/) | 28.9% | Medium | Problem: check if two strings’ edit distance is 1. If same length, count # of different chars. If lengths differ in 1, correct the cursor position at diff, then proceed to see if there are any more diffs. |
|  | 43 | [Multiply Strings](https://leetcode.com/problems/multiply-strings/) | 24.1% | Medium | Use the vertical form for multiplication, handle carry and sum carefully. |
|  | 311 | [Sparse Matrix Multiplication](https://leetcode.com/problems/sparse-matrix-multiplication/) | 47.8% | Medium | For A\*B=C, C[i][j]=A[i][k]\*B[k][j] for all k. Scan for non-zero A[i][k] and let it contribute to C[i][j] for all j by multiply it with B[k][j]. |
|  | 98 | [Validate Binary Search Tree](https://leetcode.com/problems/validate-binary-search-tree/) | 21.2% | Medium | The trick is to add Left bound and Right bound as the parameters. Use Long’s min and max for initial bounds. |
|  | 79 | [Word Search](https://leetcode.com/problems/word-search/) | 23.5% | Medium | Just do DFS within the grid. Mark char with ‘\0’ when entering and restore it after leaving. |
|  | 314 | [Binary Tree Vertical Order Traversal](https://leetcode.com/problems/binary-tree-vertical-order-traversal/) | 31.5% | Medium |  |
|  | 282 | [Expression Add Operators](https://leetcode.com/problems/expression-add-operators/) | 25.7% | Hard |  |
|  | 236 | [Lowest Common Ancestor of a Binary Tree](https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/) | 28.8% | Medium | Simplist solution: Return result if two return values from two children are p/q. Return p if subtree contains p. Return q if subtree contains q. Otherwise return 0. |
|  | 211 | [Add and Search Word - Data structure design](https://leetcode.com/problems/add-and-search-word-data-structure-design/) | 20.2% | Medium | Trie. Use boolean[26] as the children for |
|  | 173 | [Binary Search Tree Iterator](https://leetcode.com/problems/binary-search-tree-iterator/) | 35.5% | Medium | Expand to a vector and iterate. |
|  | 146 | [LRU Cache](https://leetcode.com/problems/lru-cache/) | 15.8% | Hard |  |
|  | 57 | [Insert Interval](https://leetcode.com/problems/insert-interval/) | 24.3% | Hard | Just add this new interval and do ‘merge interval’ for clean code. |
|  | 44 | [Wildcard Matching](https://leetcode.com/problems/wildcard-matching/) | 17.8% | Hard | DP[i][j] for substring 0~i of given string and substring 0~j of given pattern. Consider cases where last element in pattern is equal to last element in string, or ? or \*. |
|  | 28 | [Implement strStr()](https://leetcode.com/problems/implement-strstr/) | 25.4% | Easy |  |
|  | 218 | [The Skyline Problem](https://leetcode.com/problems/the-skyline-problem/) | 23.2% | Hard |  |
|  | 157 | [Read N Characters Given Read4](https://leetcode.com/problems/read-n-characters-given-read4/) | 29.4% | Easy |  |
|  | 49 | [Group Anagrams](https://leetcode.com/problems/anagrams/) | 28.4% | Medium | Sorted string as the key. |
|  | 13 | [Roman to Integer](https://leetcode.com/problems/roman-to-integer/) | 40.5% | Easy |  |
|  | 277 | [Find the Celebrity](https://leetcode.com/problems/find-the-celebrity/) | 35.1% | Medium |  |
|  | 238 | [Product of Array Except Self](https://leetcode.com/problems/product-of-array-except-self/) | 43.8% | Medium | Go from left to right and let every element to store the products of all elements to its left. Do this again from right to left. Multiple both results. |
|  | 209 | [Minimum Size Subarray Sum](https://leetcode.com/problems/minimum-size-subarray-sum/) | 27.4% | Medium |  |
|  | 128 | [Longest Consecutive Sequence](https://leetcode.com/problems/longest-consecutive-sequence/) | 32.9% | Hard |  |
|  | 127 | [Word Ladder](https://leetcode.com/problems/word-ladder/) | 19.7% | Medium |  |
|  | 121 | [Best Time to Buy and Sell Stock](https://leetcode.com/problems/best-time-to-buy-and-sell-stock/) | 36.5% | Easy | Scan one time and keep track of minimum element. Also keep delta with minimum element and keep the max of delta. Note: there are variations of this problem that’s harder! |
|  | 90 | [Subsets II](https://leetcode.com/problems/subsets-ii/) | 31.2% | Medium |  |
|  | 285 | [Inorder Successor in BST](https://leetcode.com/problems/inorder-successor-in-bst/) | 35.8% | Medium |  |
|  | 253 | [Meeting Rooms II](https://leetcode.com/problems/meeting-rooms-ii/) | 35.4% | Medium |  |
|  | 158 | [Read N Characters Given Read4 II - Call multiple times](https://leetcode.com/problems/read-n-characters-given-read4-ii-call-multiple-times/) | 23.7% | Hard |  |
|  | 71 | [Simplify Path](https://leetcode.com/problems/simplify-path/) | 22.4% | Medium |  |
|  | 20 | [Valid Parentheses](https://leetcode.com/problems/valid-parentheses/) | 30.0% | Easy | Use stack(s). In the process, when seeing a right paren, must have a left paren on the top of the stack. After the process ends, stack must be empty. |
|  | 325 | [Maximum Size Subarray Sum Equals k](https://leetcode.com/problems/maximum-size-subarray-sum-equals-k/) | 40.0% | Medium |  |
|  | 297 | [Serialize and Deserialize Binary Tree](https://leetcode.com/problems/serialize-and-deserialize-binary-tree/) | 28.6% | Hard |  |
|  | 88 | [Merge Sorted Array](https://leetcode.com/problems/merge-sorted-array/) | 30.4% | Easy | Use a dummy head to simplify coding. |
|  | 33 | [Search in Rotated Sorted Array](https://leetcode.com/problems/search-in-rotated-sorted-array/) | 30.7% | Hard |  |
|  | 215 | [Kth Largest Element in an Array](https://leetcode.com/problems/kth-largest-element-in-an-array/) | 34.2% | Medium |  |
|  | 208 | [Implement Trie (Prefix Tree)](https://leetcode.com/problems/implement-trie-prefix-tree/) | 25.4% | Medium | For each Node, store Node\* next[26] and isWord of boolean. |
|  | 69 | [Sqrt(x)](https://leetcode.com/problems/sqrtx/) | 25.7% | Medium |  |
|  | 50 | [Pow(x, n)](https://leetcode.com/problems/powx-n/) | 27.8% | Medium |  |
|  | 252 | [Meeting Rooms](https://leetcode.com/problems/meeting-rooms/) | 42.4% | Easy |  |
|  | 341 | [Flatten Nested List Iterator](https://leetcode.com/problems/flatten-nested-list-iterator/) | 30.4% | Medium |  |
|  | 334 | [Increasing Triplet Subsequence](https://leetcode.com/problems/increasing-triplet-subsequence/) | 34.8% | Medium |  |
|  | 235 | [Lowest Common Ancestor of a Binary Search Tree](https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree/) | 37.5% | Easy | If both values are less than or greater than the root, let root walk down its left/right child. Return root if such condition is broken. |
|  | 102 | [Binary Tree Level Order Traversal](https://leetcode.com/problems/binary-tree-level-order-traversal/) | 33.6% | Easy | Straight BSF, for each element in the queue, use pair<Node\*, depth> so I can keep track of depth. |
|  | 274 | [H-Index](https://leetcode.com/problems/h-index/) | 30.0% | Medium |  |
|  | 234 | [Palindrome Linked List](https://leetcode.com/problems/palindrome-linked-list/) | 29.1% | Easy |  |
|  | 85 | [Maximal Rectangle](https://leetcode.com/problems/maximal-rectangle/) | 23.9% | Hard | For every row, solve for maximal area of histogram. |
|  | 275 | [H-Index II](https://leetcode.com/problems/h-index-ii/) | 32.9% | Medium |  |
|  | 221 | [Maximal Square](https://leetcode.com/problems/maximal-square/) | 24.3% | Medium | DP: dp[i][j]=min(dp[i-1][j], dp[i][j-1], dp[i-1][j-1])+1, if [i][j] has 1. |
|  | 210 | [Course Schedule II](https://leetcode.com/problems/course-schedule-ii/) | 21.5% | 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 | Keep two variables to store: first element in next level, prev element in next level. Then go level by level. |
|  | 25 | [Reverse Nodes in k-Group](https://leetcode.com/problems/reverse-nodes-in-k-group/) | 28.0% | Hard | Re-use ‘reverse linked list’ and take care of point handling. |
|  | 286 | [Walls and Gates](https://leetcode.com/problems/walls-and-gates/) | 38.3% | Medium |  |
|  | 269 | [Alien Dictionary](https://leetcode.com/problems/alien-dictionary/) | 23.8% | Hard |  |
|  | 265 | [Paint House II](https://leetcode.com/problems/paint-house-ii/) | 35.7% | Hard |  |
|  | 261 | [Graph Valid Tree](https://leetcode.com/problems/graph-valid-tree/) | 33.5% | Medium |  |
|  | 168 | [Excel Sheet Column Title](https://leetcode.com/problems/excel-sheet-column-title/) | 22.4% | Easy |  |
|  | 80 | [Remove Duplicates from Sorted Array II](https://leetcode.com/problems/remove-duplicates-from-sorted-array-ii/) | 33.3% | Medium | One time scan. |
|  | 26 | [Remove Duplicates from Sorted Array](https://leetcode.com/problems/remove-duplicates-from-sorted-array/) | 34.0% | Easy | One time scan. |