DSA Sheet by Arsh

Arrays

Difficulty	Problem	Status	Microsoft	Adobe	Goldman Sachs	Intuit	Amazon
Easy	https://leetcode.com/problems/find-the-duplicate-number/						✓
Easy	https://leetcode.com/problems/sort-colors/						✓
Easy	https://leetcode.com/problems/remove-duplicates-from-sorted-array/						✓
Easy	https://leetcode.com/problems/set-matrix-zeroes/						
Easy	https://leetcode.com/problems/move-zeroes/		✓				
Easy	https://leetcode.com/problems/best-time-to-buy-and-sell-stock/		✓			✓	
Easy	https://www.geeksforgeeks.org/chocolate-distribution-problem/		✓			✓	
Easy	https://leetcode.com/problems/two-sum/					✓	
Easy	https://leetcode.com/problems/best-time-to-buy-and-sell-stock-ii/						
Medium	https://leetcode.com/problems/subarray-sums-divisible-by-k/						
Medium	https://leetcode.com/problems/find-all-duplicates-in-an-array/			✓		✓	
Medium	https://leetcode.com/problems/container-with-most-water/			✓			
Medium	https://leetcode.com/problems/3sum/			✓			✓
Medium	https://leetcode.com/problems/4sum/						
Medium	https://leetcode.com/problems/maximum-points-you-can-obtain-from-cards/						
Medium	https://leetcode.com/problems/subarray-sum-equals-k/						
Medium	https://leetcode.com/problems/spiral-matrix/						
Medium	https://leetcode.com/problems/word-search/		✓				
Medium	https://leetcode.com/problems/jump-game/					✓	
Medium	https://leetcode.com/problems/merge-sorted-array/				✓		
Medium	https://leetcode.com/problems/majority-element/				✓		
Medium	https://leetcode.com/problems/reverse-pairs/				✓		
Medium	https://www.geeksforgeeks.org/print-all-possible-combinations-of-r-elements-in-a-given-array-of-size-n/						
Medium	https://leetcode.com/problems/game-of-life/						
Hard	https://leetcode.com/problems/max-value-of-equation/						
Hard	https://leetcode.com/problems/insert-delete-getrandom-o1-duplicates-allowed/						
Hard	https://leetcode.com/problems/largest-rectangle-in-histogram/		✓				
Hard	https://leetcode.com/problems/max-value-of-equation/						

Strings

Difficulty	Problem	Status	Microsoft	Adobe	Goldman Sachs	Intuit	Amazon
Easy	https://leetcode.com/problems/valid-parentheses/						✓
Easy	https://www.geeksforgeeks.org/print-all-the-duplicates-in-the-input-string/						
Easy	https://leetcode.com/problems/implement-strstr/				✓		
Easy	https://leetcode.com/problems/longest-common-prefix/						
Easy	https://leetcode.com/problems/valid-palindrome-ii/						✓
Medium	https://leetcode.com/problems/integer-to-roman/						✓
Medium	https://leetcode.com/problems/generate-parentheses/						✓
Medium	https://leetcode.com/problems/simplify-path/				✓		
Medium	https://practice.geeksforgeeks.org/problems/smallest-window-in-a-string-containing-all-the-characters-of-another-string-1587115621/1				✓		
Medium	https://leetcode.com/problems/reverse-words-in-a-string/				✓		
Medium	https://www.geeksforgeeks.org/rabin-karp-algorithm-for-pattern-searching/						
Medium	https://leetcode.com/problems/group-anagrams/						
Medium	https://practice.geeksforgeeks.org/problems/word-wrap1646/1						
Medium	https://leetcode.com/problems/basic-calculator-ii/						
Hard	https://leetcode.com/problems/valid-number/						
Hard	https://leetcode.com/problems/integer-to-english-words/			✓			
Hard	https://leetcode.com/problems/minimum-window-substring/			✓			
Hard	https://leetcode.com/problems/text-justification/			✓			
Hard	https://www.geeksforgeeks.org/boyer-moore-algorithm-for-pattern-searching/						
Hard	https://leetcode.com/problems/distinct-subsequences/						✓

Matrix Problems

Difficulty	Problem
Medium	https://www.geeksforgeeks.org/maximum-size-rectangle-binary-sub-matrix-1s/
Medium	https://www.geeksforgeeks.org/find-number-of-islands/
Medium	https://www.geeksforgeeks.org/given-matrix-o-x-replace-o-x-surrounded-x/
Medium	https://leetcode.com/problems/spiral-matrix/
Medium	https://leetcode.com/problems/rotate-image/

Mathematical Problems

Difficulty	Problem
Easy	https://leetcode.com/problems/minimum-moves-to-equal-array-elements/
Easy	https://leetcode.com/problems/add-binary/
Easy	https://leetcode.com/problems/maximum-product-of-three-numbers/
Easy	https://leetcode.com/problems/excel-sheet-column-title/
Easy	https://leetcode.com/problems/happy-number/
Easy	https://leetcode.com/problems/palindrome-number/
Easy	https://leetcode.com/problems/missing-number/
Easy	https://leetcode.com/problems/reverse-integer/
Easy	https://leetcode.com/problems/power-of-two/
Medium	https://leetcode.com/problems/max-points-on-a-line/
Medium	https://leetcode.com/problems/valid-square/
Medium	https://leetcode.com/problems/the-kth-factor-of-n/

Sorting and Searching

Difficulty	Problem
Easy	https://www.geeksforgeeks.org/permute-two-arrays-sum-every-pair-greater-equal-k/
Easy	https://www.geeksforgeeks.org/ceiling-in-a-sorted-array/
Easy	https://www.geeksforgeeks.org/find-a-pair-with-the-given-difference/
Easy	https://www.geeksforgeeks.org/permute-two-arrays-sum-every-pair-greater-equal-k/
Medium	https://www.geeksforgeeks.org/check-reversing-sub-array-make-array-sorted/
Medium	https://www.geeksforgeeks.org/radix-sort/
Medium	https://www.geeksforgeeks.org/a-product-array-puzzle/
Medium	https://www.geeksforgeeks.org/make-array-elements-equal-minimum-cost/
Medium	https://leetcode.com/problems/find-peak-element/
Hard	https://practice.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1
Hard	https://www.geeksforgeeks.org/minimum-number-swaps-required-sort-array/
Hard	https://www.spoj.com/problems/AGGRCOW/
Hard	https://leetcode.com/problems/search-in-rotated-sorted-array/
Hard	https://leetcode.com/problems/count-of-smaller-numbers-after-self/
Hard	https://leetcode.com/problems/split-array-largest-sum/

Linked List

Difficulty	Problem
Easy	https://leetcode.com/problems/middle-of-the-linked-list/
Easy	https://leetcode.com/problems/linked-list-cycle/
Easy	https://leetcode.com/problems/convert-binary-number-in-a-linked-list-to-integer/
Easy	https://leetcode.com/problems/remove-duplicates-from-sorted-list/
Easy	https://www.geeksforgeeks.org/sort-a-linked-list-of-0s-1s-or-2s/
Easy	https://leetcode.com/problems/remove-linked-list-elements/
Easy	https://leetcode.com/problems/merge-two-sorted-lists/
Easy	https://www.geeksforgeeks.org/multiply-two-numbers-represented-linked-lists/
Easy	https://leetcode.com/problems/intersection-of-two-linked-lists/
Easy	https://www.geeksforgeeks.org/given-only-a-pointer-to-a-node-to-be-deleted-in-a-singly-linked-list-how-do-you-delete-it/
Easy	https://leetcode.com/problems/palindrome-linked-list/
Easy	https://leetcode.com/problems/reverse-linked-list/
Medium	https://leetcode.com/problems/add-two-numbers/

Difficulty	Link							
Medium	https://leetcode.com/problems/copy-list-with-random-pointer/				✓			
Medium	https://leetcode.com/problems/add-two-numbers-ii/		✓					
Medium	https://leetcode.com/problems/reverse-linked-list-ii/							
Medium	https://leetcode.com/problems/reorder-list/							
Medium	https://leetcode.com/problems/remove-nth-node-from-end-of-list/							✓
Medium	https://leetcode.com/problems/flatten-a-multilevel-doubly-linked-list/							✓
Medium	https://leetcode.com/problems/partition-list/							✓
Medium	https://leetcode.com/problems/remove-duplicates-from-sorted-list-ii/						✓	
Medium	https://www.geeksforgeeks.org/linked-list-in-zig-zag-fashion/						✓	
Medium	https://leetcode.com/problems/sort-list/						✓	
Medium	https://www.geeksforgeeks.org/segregate-even-and-odd-elements-in-a-linked-list/							
Medium	https://www.geeksforgeeks.org/rearrange-a-given-linked-list-in-place/			✓				
Hard	https://leetcode.com/problems/merge-k-sorted-lists/							
Hard	https://leetcode.com/problems/reverse-nodes-in-k-group/				✓			
Hard	https://www.geeksforgeeks.org/merge-sort-for-linked-list/							✓
Hard	https://www.geeksforgeeks.org/flattening-a-linked-list/							✓
Hard	https://www.geeksforgeeks.org/subtract-two-numbers-represented-as-linked-lists/						✓	✓

Stacks and Queues

Difficulty	Link							
Easy	https://leetcode.com/problems/implement-queue-using-stacks/	✓					✓	
Easy	https://leetcode.com/problems/backspace-string-compare/	✓					✓	
Easy	https://leetcode.com/problems/implement-stack-using-queues/						✓	
Easy	https://www.geeksforgeeks.org/implement-stack-queue-using-deque/		✓				✓	
Easy	https://leetcode.com/problems/next-greater-element-i/		✓				✓	
Easy	https://www.geeksforgeeks.org/stack-set-4-evaluation-postfix-expression/		✓					
Medium	**https://www.geeksforgeeks.org/implement-two-stacks-in-an-array/**							
Medium	https://leetcode.com/problems/minimum-cost-tree-from-leaf-values/							
Medium	https://leetcode.com/problems/daily-temperatures/							
Medium	https://practice.geeksforgeeks.org/problems/distance-of-nearest-cell-having-1-1587115620/1							
Medium	https://leetcode.com/problems/online-stock-span/							✓
Medium	https://practice.geeksforgeeks.org/problems/rotten-oranges2536/1						✓	
Medium	https://leetcode.com/problems/sum-of-subarray-minimums/						✓	
Medium	https://leetcode.com/problems/evaluate-reverse-polish-notation/						✓	
Medium	https://practice.geeksforgeeks.org/problems/circular-tour/1							
Medium	https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string-ii/							
Medium	https://leetcode.com/problems/flatten-nested-list-iterator/	✓						
Hard	https://www.geeksforgeeks.org/find-the-maximum-of-minimums-for-every-window-size-in-a-given-array/	✓						
Hard	https://www.geeksforgeeks.org/lru-cache-implementation/	✓						
Hard	http://geeksforgeeks.org/the-celebrity-problem/							

Trees

Difficulty	Link							
Easy	https://leetcode.com/problems/diameter-of-binary-tree/							✓
Easy	https://leetcode.com/problems/invert-binary-tree/							✓
Easy	https://leetcode.com/problems/subtree-of-another-tree/							✓
Easy	https://leetcode.com/problems/range-sum-of-bst/							
Easy	https://leetcode.com/problems/symmetric-tree/							
Easy	https://leetcode.com/problems/convert-sorted-array-to-binary-search-tree/	✓						
Easy	https://leetcode.com/problems/merge-two-binary-trees/	✓						
Easy	https://leetcode.com/problems/maximum-depth-of-binary-tree/	✓						
Easy	https://leetcode.com/problems/binary-tree-paths/						✓	
Easy	https://leetcode.com/problems/same-tree/						✓	
Easy	https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree/						✓	
Easy	https://leetcode.com/problems/path-sum/							

Difficulty	Problem
Easy	https://leetcode.com/problems/minimum-absolute-difference-in-bst/
Easy	https://leetcode.com/problems/sum-of-left-leaves/
Easy	https://leetcode.com/problems/balanced-binary-tree/
Easy	https://practice.geeksforgeeks.org/problems/predecessor-and-successor/1
Easy	https://leetcode.com/problems/binary-tree-inorder-traversal/
Easy	https://practice.geeksforgeeks.org/problems/check-whether-bst-contains-dead-end/1
Medium	https://leetcode.com/problems/binary-search-tree-iterator/
Medium	https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/
Medium	https://leetcode.com/problems/unique-binary-search-trees-iii/
Medium	https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/
Medium	https://leetcode.com/problems/validate-binary-search-tree/
Medium	https://leetcode.com/problems/binary-tree-right-side-view/
Medium	https://leetcode.com/problems/redundant-connection/
Medium	https://leetcode.com/problems/binary-tree-level-order-traversal/
Medium	https://leetcode.com/problems/path-sum-iii/
Medium	https://leetcode.com/problems/construct-binary-tree-from-preorder-and-postorder-traversal/
Medium	https://leetcode.com/problems/unique-binary-search-trees/
Medium	https://leetcode.com/problems/recover-binary-search-tree/
Medium	https://leetcode.com/problems/populating-next-right-pointers-in-each-node/
Medium	https://leetcode.com/problems/flatten-binary-tree-to-linked-list/
Medium	https://leetcode.com/problems/maximum-width-of-binary-tree/
Medium	https://practice.geeksforgeeks.org/problems/min-distance-between-two-given-nodes-of-a-binary-tree/1
Medium	https://leetcode.com/problems/kth-smallest-element-in-a-bst/
Medium	https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/
Medium	https://practice.geeksforgeeks.org/problems/count-bst-nodes-that-lie-in-a-given-range/1
Medium	**https://practice.geeksforgeeks.org/problems/preorder-to-postorder4423/1**
Hard	https://practice.geeksforgeeks.org/problems/binary-tree-to-dll/1
Hard	https://leetcode.com/problems/binary-tree-maximum-path-sum/
Hard	https://leetcode.com/problems/sum-of-distances-in-tree/
Hard	https://leetcode.com/problems/binary-tree-cameras/
Hard	https://leetcode.com/problems/vertical-order-traversal-of-a-binary-tree/
Hard	https://www.geeksforgeeks.org/print-k-sum-paths-binary-tree/
Hard	https://leetcode.com/problems/serialize-and-deserialize-binary-tree/
Hard	https://www.geeksforgeeks.org/find-median-bst-time-o1-space/
Hard	https://www.geeksforgeeks.org/largest-bst-binary-tree-set-2/
Hard	https://www.geeksforgeeks.org/construct-bst-from-given-preorder-traversal/

GRAPHS

Difficulty	Problem
Easy	https://practice.geeksforgeeks.org/problems/bfs-traversal-of-graph/1
Easy	https://www.geeksforgeeks.org/depth-first-search-or-dfs-for-a-graph/
Easy	https://leetcode.com/problems/number-of-islands/
Easy	https://leetcode.com/problems/flood-fill/
Easy	https://practice.geeksforgeeks.org/problems/rat-in-a-maze-problem/1
Easy	https://practice.geeksforgeeks.org/problems/detect-cycle-in-an-undirected-graph/1
Easy	https://www.geeksforgeeks.org/detect-cycle-in-a-graph/
Medium	https://practice.geeksforgeeks.org/problems/steps-by-knight5927/1
Medium	https://leetcode.com/problems/decode-string/
Medium	https://leetcode.com/problems/shortest-bridge/
Medium	https://leetcode.com/problems/number-of-operations-to-make-network-connected/
Medium	https://leetcode.com/problems/find-eventual-safe-states/
Medium	https://practice.geeksforgeeks.org/problems/strongly-connected-components-kosarajus-algo/1
Medium	https://leetcode.com/problems/time-needed-to-inform-all-employees/
Medium	https://www.geeksforgeeks.org/graph-coloring-applications/#:~:text=Graph%20coloring%20problem%20is%20to,are%20colored%20using%20same%20color.
Medium	https://leetcode.com/problems/most-stones-removed-with-same-row-or-column/
Medium	https://leetcode.com/problems/as-far-from-land-as-possible/

Difficulty	Problem
Medium	https://lleetcode.com/problems/find-the-city-with-the-smallest-number-of-neighbors-at-a-threshold-distance/
Medium	https://www.geeksforgeeks.org/problems/find-whether-is-possible-to-finish-all-tasks-on-not-from-given-dependencies/
Medium	https://www.geeksforgeeks.org/problems/prims-minimum-spanning-tree-mst-greedy-algo-5/
Medium	https://practice.geeksforgeeks.org/problems/implementing-floyd-warshall2042/1
Medium	https://lleetcode.com/problems/evaluate-division/
Medium	https://lleetcode.com/problems/snakes-and-ladders/
Medium	https://practice.geeksforgeeks.org/problems/topological-sort/1
Medium	https://lleetcode.com/problems/cheapest-flights-within-k-stops/description/
Medium	https://www.geeksforgeeks.org/problems/detect-negative-cycle-graph-bellman-ford/
Medium	https://www.geeksforgeeks.org/problems/bipartite-graph/
Hard	https://lleetcode.com/problems/longest-increasing-path-in-a-matrix/
Hard	https://lleetcode.com/problems/making-a-large-island/
Hard	https://lleetcode.com/problems/remove-boxes/
Hard	https://lleetcode.com/problems/critical-connections-in-a-network/
Hard	https://practice.geeksforgeeks.org/problems/alien-dictionary/1
Hard	https://www.geeksforgeeks.org/problems/water-jug-problem-using-bfs/
Hard	https://www.geeksforgeeks.org/problems/travelling-salesman-problem-set-1/
Hard	https://www.geeksforgeeks.org/problems/total-number-spanning-trees-graph/
Hard	https://lleetcode.com/problems/word-ladder/
Hard	https://www.geeksforgeeks.org/problems/minimize-cash-flow-among-given-set-friends-borrowed-money/

Tries

Difficulty	Problem
Medium	https://lleetcode.com/problems/design-add-and-search-words-data-structure/
Medium	https://www.geeksforgeeks.org/word-break-problem-trie-solution/
Medium	https://www.geeksforgeeks.org/trie-insert-and-search/
Medium	https://practice.geeksforgeeks.org/problems/k-anagrams-1/0
Hard	https://lleetcode.com/problems/palindrome-pairs/
Hard	https://practice.geeksforgeeks.org/problems/phone-directory/0

Heaps / PQs

Difficulty	Problem
Easy/Medium	https://lleetcode.com/problems/top-k-frequent-elements/
Easy/Medium	https://lleetcode.com/problems/kth-largest-element-in-an-array/
Easy/Medium	https://lleetcode.com/problems/ugly-number-iii/
Easy/Medium	https://lleetcode.com/problems/furthest-building-you-can-reach/
Easy/Medium	https://lleetcode.com/problems/kth-smallest-element-in-a-sorted-matrix/
Easy/Medium	https://lleetcode.com/problems/reorganize-string/
Easy/Medium	https://lleetcode.com/problems/find-the-most-competitive-subsequence/
Easy/Medium	https://practice.geeksforgeeks.org/problems/smallest-positive-missing-number-1587115621/1/
Easy/Medium	https://practice.geeksforgeeks.org/problems/largest-subarray-with-0-sum/1/
Easy/Medium	https://lleetcode.com/problems/k-closest-points-to-origin/
Hard	https://lleetcode.com/problems/minimum-number-of-refueling-stops/
Hard	https://lleetcode.com/problems/minimum-cost-to-hire-k-workers/
Hard	https://lleetcode.com/problems/swim-in-rising-water/
Hard	https://lleetcode.com/problems/sliding-window-maximum/

Dynamic Programming

Difficulty	Problem
Easy	https://lleetcode.com/problems/climbing-stairs
Easy	https://lleetcode.com/problems/maximum-product-subarray/
Easy	https://lleetcode.com/problems/ones-and-zeroes/
Easy	https://lleetcode.com/problems/counting-bits/
Medium	https://lleetcode.com/problems/knight-dialer/
Medium	https://practice.geeksforgeeks.org/problems/cutted-segments1642/1
Medium	https://lleetcode.com/problems/unique-paths/
Medium	https://lleetcode.com/problems/minimum-path-sum/

Difficulty	Problem
Medium	https://leetcode.com/problems/coin-change/
Medium	https://leetcode.com/problems/decode-ways/
Medium	https://leetcode.com/problems/maximum-length-of-repeated-subarray/
Medium	https://leetcode.com/problems/longest-increasing-subsequence/
Medium	https://practice.geeksforgeeks.org/problems/longest-common-substring1452/1
Medium	https://leetcode.com/problems/count-square-submatrices-with-all-ones/
Medium	https://leetcode.com/problems/maximal-square/
Medium	https://practice.geeksforgeeks.org/problems/mobile-numeric-keypad5456/1
Medium	https://www.geeksforgeeks.org/weighted-job-scheduling/
Medium	https://leetcode.com/problems/delete-and-earn/
Medium	https://leetcode.com/problems/range-sum-query-2d-immutable/
Hard	https://www.geeksforgeeks.org/optimal-binary-search-tree-dp-24/
Hard	https://leetcode.com/problems/frog-jump/
Hard	https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iv/
Hard	https://leetcode.com/problems/minimum-insertion-steps-to-make-a-string-palindrome/
Hard	https://www.geeksforgeeks.org/largest-area-rectangular-sub-matrix-equal-number-1s-0s/
Hard	https://leetcode.com/problems/trapping-rain-water/
Hard	https://leetcode.com/problems/minimum-cost-to-merge-stones/
Hard	https://leetcode.com/problems/count-different-palindromic-subsequences/
Hard	https://leetcode.com/problems/maximal-rectangle/
Hard	https://leetcode.com/problems/burst-balloons/
Hard	https://leetcode.com/problems/super-egg-drop/

Two Pointer Approach

Difficulty	Problem
Medium	https://leetcode.com/problems/sort-colors/
Medium	https://leetcode.com/problems/longest-repeating-character-replacement/
Medium	https://leetcode.com/problems/maximum-number-of-visible-points/

Greedy Algorithms

Difficulty	Problem
Easy/Medium	https://leetcode.com/problems/gas-station/
Easy/Medium	https://www.geeksforgeeks.org/minimum-cost-for-acquiring-all-coins-with-k-extra-coins-allowed-with-every-coin/
Easy/Medium	https://leetcode.com/problems/restore-the-array-from-adjacent-pairs/
Easy/Medium	https://leetcode.com/problems/task-scheduler/
Easy/Medium	https://leetcode.com/problems/minimum-deletions-to-make-character-frequencies-unique/
Easy/Medium	https://leetcode.com/problems/remove-k-digits/
Easy/Medium	https://www.spoj.com/problems/CHOCOLA/
Easy/Medium	https://leetcode.com/problems/non-overlapping-intervals/
Easy/Medium	https://leetcode.com/problems/minimum-deletion-cost-to-avoid-repeating-letters/
Easy/Medium	https://www.geeksforgeeks.org/minimum-sum-two-numbers-formed-digits-array-2/

Backtracking

Difficulty	Problem
Medium	https://leetcode.com/problems/combination-sum-ii/
Medium	https://practice.geeksforgeeks.org/problems/subset-sum-problem2014/1
Medium	https://leetcode.com/problems/combinations/
Medium	https://leetcode.com/problems/subsets-ii/
Medium	https://practice.geeksforgeeks.org/problems/m-coloring-problem-1587115620/1
Medium	https://leetcode.com/problems/beautiful-arrangement/
Medium	https://leetcode.com/problems/palindrome-partitioning/
Medium	https://leetcode.com/problems/permutations-ii/
Hard	https://leetcode.com/problems/word-search-ii/
Hard	https://leetcode.com/problems/sudoku-solver/
Hard	https://leetcode.com/problems/n-queens/
Hard	https://leetcode.com/problems/unique-paths-iii/

Difficulty	Problem					
Hard	https://www.geeksforgeeks.org/find-maximum-number-possible-by-doing-at-most-k-swaps/					
Hard	https://www.geeksforgeeks.org/partition-set-k-subsets-equal-sum/					
Hard	https://www.geeksforgeeks.org/tug-of-war/					✓
Hard	https://www.geeksforgeeks.org/find-paths-from-corner-cell-to-middle-cell-in-maze/	✓		✓		
Hard	https://www.geeksforgeeks.org/solving-cryptarithmetic-puzzles-backtracking-8/			✓		
Hard	https://www.geeksforgeeks.org/print-palindromic-partitions-string/				✓	

Segment Tree

Difficulty	Problem					
Medium/Hard	https://leetcode.com/problems/range-sum-query-immutable/		✓			
Medium/Hard	https://leetcode.com/problems/range-sum-query-mutable/					
Medium/Hard	https://leetcode.com/problems/count-of-smaller-numbers-after-self/		✓			✓
Medium/Hard	https://leetcode.com/problems/count-of-range-sum/					