DSA Sheet by Arsh

#CrackYourInternship Challenge

	Problem	Status	Microsoft	Adobe	Goldman Sachs	Intuit	Amazon
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Arrays							
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.geeksgeeks.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							
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/						
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Matrix Problems							~
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							
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							
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	C1	C2	C3	C4	C5	C6
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/					~	
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		~				
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/			~	~		
Easy	**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/						
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/						
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-ii/		~				
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/		~				

Difficulty	Link					
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-traversa/					
	GRAPHS					
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/					
Medium	https://leetcode.com/problems/find-the-city-with-the-smallest-number-of-neighbors-at-a-threshold-distance/				~	
Medium	https://www.geeksforgeeks.org/find-whether-it-is-possible-to-finish-all-tasks-or-not-from-given-dependencies/			~		
Medium	https://www.geeksforgeeks.org/prims-minimum-spanning-tree-mst-greedy-algo-5/		~	~		
Medium	https://practice.geeksforgeeks.org/problems/implementing-floyd-warshall2042/1		~			
Medium	https://leetcode.com/problems/evaluate-division/				~	
Medium	https://leetcode.com/problems/snakes-and-ladders/					~
Medium	https://practice.geeksforgeeks.org/problems/topological-sort/1			~		
Medium	https://leetcode.com/problems/cheapest-flights-within-k-stops/description/			~		
Medium	https://www.geeksforgeeks.org/detect-negative-cycle-graph-bellman-ford/				~	
Medium	https://www.geeksforgeeks.org/bipartite-graph/		~			
Hard	https://leetcode.com/problems/longest-increasing-path-in-a-matrix/		~			
Hard	https://leetcode.com/problems/making-a-large-island/		~			
Hard	https://leetcode.com/problems/remove-boxes/					
Hard	https://leetcode.com/problems/critical-connections-in-a-network/					
Hard	https://practice.geeksforgeeks.org/problems/alien-dictionary/1					~
Hard	https://www.geeksforgeeks.org/water-jug-problem-using-bfs/				~	
Hard	https://www.geeksforgeeks.org/travelling-salesman-problem-set-1/			~		
Hard	https://www.geeksforgeeks.org/total-number-spanning-trees-graph/			~		
Hard	https://leetcode.com/problems/word-ladder/				~	
Hard	https://www.geeksforgeeks.org/minimize-cash-flow-among-given-set-friends-borrowed-money/					
			~			
	Tries					
Medium	https://leetcode.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://leetcode.com/problems/palindrome-pairs/			~		
Hard	https://practice.geeksforgeeks.org/problems/phone-directory/0					
						~
	Heaps / PQs					
Easy/Medium	https://leetcode.com/problems/top-k-frequent-elements/					
Easy/Medium	https://leetcode.com/problems/kth-largest-element-in-an-array/				~	
Easy/Medium	https://leetcode.com/problems/ugly-number-ii/				~	
Easy/Medium	https://leetcode.com/problems/furthest-building-you-can-reach/					~
Easy/Medium	https://leetcode.com/problems/kth-smallest-element-in-a-sorted-matrix/					
Easy/Medium	https://leetcode.com/problems/reorganize-string/			~	~	
Easy/Medium	https://leetcode.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://leetcode.com/problems/k-closest-points-to-origin/					
Hard	https://leetcode.com/problems/minimum-number-of-refueling-stops/					
Hard	https://leetcode.com/problems/minimum-cost-to-hire-k-workers/		~	~		
Hard	https://leetcode.com/problems/swim-in-rising-water/					
Hard	https://leetcode.com/problems/sliding-window-maximum/			~	~	~
	Dynamic Programming					
Easy	https://leetcode.com/problems/climbing-stairs					
Easy	https://leetcode.com/problems/maximum-product-subarray/					
Easy	https://leetcode.com/problems/ones-and-zeroes/					
Easy	https://leetcode.com/problems/counting-bits/				~	
Medium	https://leetcode.com/problems/knight-dialer/		~			~
Medium	https://practice.geeksforgeeks.org/problems/cutted-segments1642/1		~	~		
Medium	https://leetcode.com/problems/unique-paths/					
Medium	https://leetcode.com/problems/minimum-path-sum/					
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/			~	~	

Difficulty	Problem						
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						
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						
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						
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/		~				~
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			~			
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/						