

	DSA Sheet by FRAZ (https://www.youtube.com/c/leadcoding)			
	HOW TO FOLLOW THIS SHEET https://youtu.be/NXQi_g1pVqI			
	JOIN TELEGRAM CHANNEL FOR UPDATES https://t.me/LeadCoding			
	Solutions to Weekly and biweekly leetcode contest available on channel			
	Arrays			
	EASY			
	https://leetcode.com/problems/two-sum/	https://www.youtube.com/watch?v=o2WOHGSfx_8		
	https://leetcode.com/problems/best-time-to-buy-and-sell-stock/	https://www.youtube.com/watch?v=XIWYkOHE1SE		
	https://leetcode.com/problems/merge-sorted-array/	https://www.youtube.com/watch?v=FyzWXISMNoI		
	https://leetcode.com/problems/move-zeroes/	https://www.youtube.com/watch?v=mgzCjQ1x9Mw		
	https://leetcode.com/problems/best-time-to-buy-and-sell-stock-ii/	https://www.youtube.com/watch?v=3gtcRtvDCpA		
	https://leetcode.com/problems/running-sum-of-1d-array/			
	https://leetcode.com/problems/find-pivot-index/			
	https://leetcode.com/problems/majority-element/	https://www.youtube.com/watch?v=PqU48t80m8		
	https://leetcode.com/problems/fibonacci-number/			
	https://leetcode.com/problems/squares-of-a-sorted-array/			
	https://leetcode.com/problems/pascals-triangle/			
	https://leetcode.com/problems/remove-duplicates-from-sorted-array/			
	MEDIUM			
	https://leetcode.com/problems/merge-intervals/			
	https://leetcode.com/problems/3sum/	https://www.youtube.com/watch?v=TeegtfmEhTY		
	https://leetcode.com/problems/product-of-array-except-self/	https://www.youtube.com/watch?v=3X9-qs1Lwe4		
	https://leetcode.com/problems/insert-delete-getrandom-o1/			
	https://leetcode.com/problems/subarray-sum-equals-k/			
	https://leetcode.com/problems/next-permutation/			
	https://leetcode.com/problems/spiral-matrix/			
	https://leetcode.com/problems/container-with-most-water/			
	https://leetcode.com/problems/rotate-image/			
	https://leetcode.com/problems/word-search/			
	https://leetcode.com/problems/3sum-closest/			
	https://leetcode.com/problems/game-of-life/			
	https://leetcode.com/problems/pairs-of-songs-with-total-durations-divisible-by-60/			
	https://leetcode.com/problems/4sum/	https://www.youtube.com/watch?v=UG1C-otvF2U		
	https://leetcode.com/problems/find-the-duplicate-number/			
	https://leetcode.com/problems/combinations-sum/	https://www.youtube.com/watch?v=yEAHwSS8HN0		
	https://leetcode.com/problems/jump-game-ii/	https://www.youtube.com/watch?v=1DkVU2i3sOA		
	https://leetcode.com/problems/maximum-points-you-can-obtain-from-cards/			
	https://leetcode.com/problems/maximum-area-of-a-piece-of-cake-after-horizontal-and-vertical-cuts/			
	https://leetcode.com/problems/max-area-of-island/			
	https://leetcode.com/problems/find-all-duplicates-in-an-array/			
	https://leetcode.com/problems/k-diff-pairs-in-an-array/			
	https://leetcode.com/problems/subsets/	https://www.youtube.com/watch?v=6BPurabdAI4		
	https://leetcode.com/problems/invalid-transactions/			
	https://leetcode.com/problems/jump-game/			
	https://leetcode.com/problems/subarray-sums-divisible-by-k/			

HARD			
https://leetcode.com/problems/first-missing-positive/			
https://leetcode.com/problems/largest-rectangle-in-histogram/			
https://leetcode.com/problems/insert-delete-getrandom-o1-duplicates-allowed/			
https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iii/	https://www.youtube.com/watch?v=YAWRyWJalMQ		
https://leetcode.com/problems/max-value-of-equation/	https://www.youtube.com/watch?v=hOTpn8jE9jI		
DYNAMIC PROGRAMING			
EASY			
https://leetcode.com/problems/maximum-subarray/			
https://leetcode.com/problems/climbing-stairs			
https://leetcode.com/problems/divisor-game/	https://www.youtube.com/watch?v=UbE4-ONpJcc		
https://leetcode.com/problems/counting-bits/			
MEDIUM			
https://leetcode.com/problems/word-break/			
https://leetcode.com/problems/delete-and-earn/			
https://leetcode.com/problems/maximal-square/			
https://leetcode.com/problems/coin-change/			
https://leetcode.com/problems/maximum-product-subarray/			
https://leetcode.com/problems/maximum-length-of-repeated-subarray/			
https://leetcode.com/problems/palindromic-substrings/			
https://leetcode.com/problems/house-robber/	https://www.youtube.com/watch?v=8BdXDakKZEs		
https://leetcode.com/problems/continuous-subarray-sum/			
https://leetcode.com/problems/knight-dialer/			
https://leetcode.com/problems/longest-increasing-subsequence/			
https://leetcode.com/problems/unique-paths/			
https://leetcode.com/problems/count-square-submatrices-with-all-ones/			
https://leetcode.com/problems/range-sum-query-2d-immutable/			
https://leetcode.com/problems/longest-arithmetic-subsequence/			
HARD			
https://leetcode.com/problems/trapping-rain-water/			
https://leetcode.com/problems/word-break-ii/			
https://leetcode.com/problems/regular-expression-matching/			
https://leetcode.com/problems/maximal-rectangle/			
https://leetcode.com/problems/longest-valid-parentheses/			
https://leetcode.com/problems/edit-distance/			
https://leetcode.com/problems/minimum-difficulty-of-a-job-schedule/			
https://leetcode.com/problems/frog-jump/			
https://leetcode.com/problems/best-time-to-buy-and-sell-stock-iv/			
https://leetcode.com/problems/burst-balloons/			
https://leetcode.com/problems/minimum-cost-to-merge-stones/			
https://leetcode.com/problems/minimum-insertion-steps-to-make-a-string-palindrome/			
https://leetcode.com/problems/super-egg-drop/			
https://leetcode.com/problems/count-different-palindromic-subsequences/			
https://leetcode.com/problems/minimum-cost-to-cut-a-stick/			

	STRINGS		
	EASY		
	https://leetcode.com/problems/add-strings/		
	https://leetcode.com/problems/longest-common-prefix/		
	https://leetcode.com/problems/valid-palindrome-ii/		
	https://leetcode.com/problems/roman-to-integer/		
	https://leetcode.com/problems/implement-strstr/		
	MEDIUM		
	https://leetcode.com/problems/longest-substring-without-repeating-characters/		
	https://leetcode.com/problems/minimum-remove-to-make-valid-parentheses/		
	https://leetcode.com/problems/longest-palindromic-substring/		
	https://leetcode.com/problems/decode-ways/		
	https://leetcode.com/problems/group-anagrams/		
	https://leetcode.com/problems/generate-parentheses/		
	https://leetcode.com/problems/basic-calculator-ii/		
	https://leetcode.com/problems/integer-to-roman/		
	https://leetcode.com/problems/reverse-words-in-a-string/		
	https://leetcode.com/problems/simplify-path/		
	https://leetcode.com/problems/zigzag-conversion/		
	HARD		
	https://leetcode.com/problems/text-justification/		
	https://leetcode.com/problems/integer-to-english-words/		
	https://leetcode.com/problems/minimum-window-substring/		
	https://leetcode.com/problems/valid-number/		
	https://leetcode.com/problems/distinct-subsequences/		
	https://leetcode.com/problems/smallest-range-covering-elements-from-k-lists/		
	https://leetcode.com/problems/substring-with-concatenation-of-all-words/		
	MATHS		
	EASY		
	https://leetcode.com/problems/reverse-integer/		
	https://leetcode.com/problems/add-binary/		
	https://leetcode.com/problems/palindrome-number/		
	https://leetcode.com/problems/minimum-moves-to-equal-array-elements/		
	https://leetcode.com/problems/happy-number/		
	https://leetcode.com/problems/excel-sheet-column-title/		
	https://leetcode.com/problems/missing-number/		
	https://leetcode.com/problems/maximum-product-of-three-numbers/		
	https://leetcode.com/problems/power-of-two/		
	MEDIUM		
	https://leetcode.com/problems/encode-and-decode-tinyurl/		
	https://leetcode.com/problems/string-to-integer-atoi/		
	https://leetcode.com/problems/multiply-strings/		
	https://leetcode.com/problems/angle-between-hands-of-a-clock/		
	https://leetcode.com/problems/integer-break/		

https://leetcode.com/problems/valid-square/			
https://leetcode.com/problems/the-kth-factor-of-n/			
HARD			
https://leetcode.com/problems/basic-calculator/			
https://leetcode.com/problems/max-points-on-a-line/			
https://leetcode.com/problems/permutation-sequence/			
https://leetcode.com/problems/number-of-digit-one/			
GREEDY			
EASY			
THAT WOULD BE TOO EASY FOR YOU , LETS DO MEDIUM			
MEDIUM			
https://leetcode.com/problems/task-scheduler/			
https://leetcode.com/problems/gas-station/			
https://leetcode.com/problems/minimum-deletion-cost-to-avoid-repeating-letters/			
https://leetcode.com/problems/maximum-number-of-events-that-can-be-attended/			
https://leetcode.com/problems/minimum-deletions-to-make-character-frequencies-unique/			
https://leetcode.com/problems/remove-k-digits/			
https://leetcode.com/problems/restore-the-array-from-adjacent-pairs/			
https://leetcode.com/problems/non-overlapping-intervals/			
HARD			
https://leetcode.com/problems/candy/			
https://leetcode.com/problems/minimum-number-of-taps-to-open-to-water-a-garden/			
https://leetcode.com/problems/create-maximum-number/			
DFS			
MEDIUM			
https://leetcode.com/problems/letter-combinations-of-a-phone-number/			
https://leetcode.com/problems/course-schedule-ii/			
https://leetcode.com/problems/decode-string/			
https://leetcode.com/problems/number-of-provinces/			
https://leetcode.com/problems/clone-graph/			
https://leetcode.com/problems/shortest-bridge/			
https://leetcode.com/problems/all-paths-from-source-to-target/			
https://leetcode.com/problems/surrounded-regions/			
https://leetcode.com/problems/house-robber-iii/			
HARD			
https://leetcode.com/problems/critical-connections-in-a-network/			
https://leetcode.com/problems/remove-invalid-parentheses/			
https://leetcode.com/problems/longest-increasing-path-in-a-matrix/			
https://leetcode.com/problems/concatenated-words/			
https://leetcode.com/problems/making-a-large-island/			
https://leetcode.com/problems/contain-virus/			
https://leetcode.com/problems/24-game/			

https://leetcode.com/problems/remove-boxes/			
TREE			
EASY			
https://leetcode.com/problems/diameter-of-binary-tree/			
https://leetcode.com/problems/invert-binary-tree/			
https://leetcode.com/problems/subtree-of-another-tree/			
https://leetcode.com/problems/range-sum-of-bst/			
https://leetcode.com/problems/symmetric-tree/			
https://leetcode.com/problems/convert-sorted-array-to-binary-search-tree/			
https://leetcode.com/problems/merge-two-binary-trees/			
https://leetcode.com/problems/maximum-depth-of-binary-tree/			
https://leetcode.com/problems/binary-tree-paths/			
https://leetcode.com/problems/same-tree/			
https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree/			
https://leetcode.com/problems/path-sum/			
https://leetcode.com/problems/minimum-absolute-difference-in-bst/			
https://leetcode.com/problems/sum-of-left-leaves/			
https://leetcode.com/problems/balanced-binary-tree/			
https://leetcode.com/problems/binary-tree-inorder-traversal/ (USING STACK TOO)			
MEDIUM			
https://leetcode.com/problems/count-good-nodes-in-binary-tree/			
https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/			
https://leetcode.com/problems/binary-tree-right-side-view/			
https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/			
https://leetcode.com/problems/validate-binary-search-tree/			
https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/			
https://leetcode.com/problems/binary-search-tree-iterator/			
https://leetcode.com/problems/binary-tree-level-order-traversal/			
https://leetcode.com/problems/path-sum-iii/			
https://leetcode.com/problems/construct-binary-tree-from-preorder-and-postorder-traversal/			
https://leetcode.com/problems/unique-binary-search-trees/			
https://leetcode.com/problems/recover-binary-search-tree/			
https://leetcode.com/problems/populating-next-right-pointers-in-each-node/			
https://leetcode.com/problems/flatten-binary-tree-to-linked-list/			
https://leetcode.com/problems/maximum-width-of-binary-tree/			
https://leetcode.com/problems/unique-binary-search-trees-ii/			
https://leetcode.com/problems/kth-smallest-element-in-a-bst/			
https://leetcode.com/problems/redundant-connection/			
HARD			
https://leetcode.com/problems/serialize-and-deserialize-binary-tree/			
https://leetcode.com/problems/binary-tree-maximum-path-sum/			
https://leetcode.com/problems/vertical-order-traversal-of-a-binary-tree/			
https://leetcode.com/problems/binary-tree-cameras/			
https://leetcode.com/problems/sum-of-distances-in-tree/			
https://leetcode.com/problems/number-of-ways-to-reconstruct-a-tree/			

https://leetcode.com/problems/redundant-connection-ii/			
HASH TABLE			
EASY			
https://leetcode.com/problems/verifying-an-alien-dictionary/			
https://leetcode.com/problems/design-hashmap/			
MEDIUM			
https://leetcode.com/problems/top-k-frequent-elements/			
https://leetcode.com/problems/design-twitter/			
BINARY SEARCH			
EASY			
https://leetcode.com/problems/sqrtx/			
https://leetcode.com/problems/binary-search/			
https://leetcode.com/problems/count-negative-numbers-in-a-sorted-matrix/			
https://leetcode.com/problems/peak-index-in-a-mountain-array/			
MEDIUM			
https://leetcode.com/problems/time-based-key-value-store/			
https://leetcode.com/problems/search-in-rotated-sorted-array/			
https://leetcode.com/problems/powx-n/			
https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/			
https://leetcode.com/problems/find-peak-element/			
https://leetcode.com/problems/search-a-2d-matrix/			
https://leetcode.com/problems/divide-two-integers/			
https://leetcode.com/problems/capacity-to-ship-packages-within-d-days/			
https://leetcode.com/problems/minimum-limit-of-balls-in-a-bag/			
HARD			
https://leetcode.com/problems/median-of-two-sorted-arrays/			
https://leetcode.com/problems/count-of-smaller-numbers-after-self/			
https://leetcode.com/problems/max-sum-of-rectangle-no-larger-than-k/			
https://leetcode.com/problems/split-array-largest-sum/			
https://leetcode.com/problems/shortest-subarray-with-sum-at-least-k/			
BFS			
MEDIUM			
https://leetcode.com/problems/number-of-islands/			
https://leetcode.com/problems/rotting-oranges/			
https://leetcode.com/problems/snakes-and-ladders/			
https://leetcode.com/problems/is-graph-bipartite/			
https://leetcode.com/problems/minimum-jumps-to-reach-home/			
HARD			
https://leetcode.com/problems/word-ladder/			
https://leetcode.com/problems/word-ladder-ii/			
https://leetcode.com/problems/cut-off-trees-for-golf-event/			

https://leetcode.com/problems/reachable-nodes-in-subdivided-graph/			
TWO POINTER			
MEDIUM / HARD			
https://leetcode.com/problems/partition-labels/			
https://leetcode.com/problems/sort-colors/			
https://leetcode.com/problems/longest-repeating-character-replacement/			
https://leetcode.com/problems/maximum-number-of-visible-points/			
https://leetcode.com/problems/subarrays-with-k-different-integers/			
BACKTRACKING			
MEDIUM			
https://leetcode.com/problems/palindrome-partitioning/			
https://leetcode.com/problems/combination-sum-ii/			
https://leetcode.com/problems/combinations/			
https://leetcode.com/problems/permutations-ii/			
https://leetcode.com/problems/subsets-ii/			
https://leetcode.com/problems/beautiful-arrangement/			
HARD			
https://leetcode.com/problems/word-search-ii/			
https://leetcode.com/problems/sudoku-solver/			
https://leetcode.com/problems/n-queens/			
https://leetcode.com/problems/unique-paths-iii/			
STACK			
EASY			
https://leetcode.com/problems/min-stack/			
https://leetcode.com/problems/next-greater-element-i/	https://www.youtube.com/watch?v=TunTV2-griM		
https://leetcode.com/problems/backspace-string-compare/			
https://leetcode.com/problems/implement-queue-using-stacks/			
PRE , POST , INORDER TRAVERSALS OF BINARY TREE	https://www.youtube.com/watch?v=B9bSSOnc0CQ , https://www.youtube.com/watch?v=oUbZurIKnsY ,		
https://leetcode.com/problems/implement-stack-using-queues/			
MEDIUM			
https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string-ii/			
https://leetcode.com/problems/daily-temperatures/			
https://leetcode.com/problems/flatten-nested-list-iterator/			
https://leetcode.com/problems/online-stock-span/			
https://leetcode.com/problems/minimum-cost-tree-from-leaf-values/			
https://leetcode.com/problems/sum-of-subarray-minimums/	https://www.youtube.com/watch?v=9-TXIVEXX2w		
https://leetcode.com/problems/evaluate-reverse-polish-notation/			
DESIGN			
MEDIUM / HARD			
https://leetcode.com/problems/lru-cache/			
https://leetcode.com/problems/find-median-from-data-stream/			
https://leetcode.com/problems/design-underground-system/			

https://leetcode.com/problems/remove-nth-node-from-end-of-list/			
https://leetcode.com/problems/flatten-a-multilevel-doubly-linked-list/			
https://leetcode.com/problems/partition-list/			
https://leetcode.com/problems/remove-duplicates-from-sorted-list-ii/			
https://leetcode.com/problems/odd-even-linked-list/			
https://leetcode.com/problems/sort-list/			
https://leetcode.com/problems/swap-nodes-in-pairs/			
https://leetcode.com/problems/rotate-list/			
HARD			
https://leetcode.com/problems/merge-k-sorted-lists/			
https://leetcode.com/problems/reverse-nodes-in-k-group/			
HEAP			
MEDIUM			
https://leetcode.com/problems/k-closest-points-to-origin/			
https://leetcode.com/problems/kth-largest-element-in-an-array/			
https://leetcode.com/problems/reorganize-string/			
https://leetcode.com/problems/furthest-building-you-can-reach/			
https://leetcode.com/problems/kth-smallest-element-in-a-sorted-matrix/			
https://leetcode.com/problems/cheapest-flights-within-k-stops/			
https://leetcode.com/problems/find-the-most-competitive-subsequence/			
https://leetcode.com/problems/ugly-number-ii/			
HARD			
https://leetcode.com/problems/merge-k-sorted-lists/			
https://leetcode.com/problems/sliding-window-maximum/			
https://leetcode.com/problems/the-skyline-problem/			
https://leetcode.com/problems/trapping-rain-water-ii/			
https://leetcode.com/problems/minimum-number-of-refueling-stops/			
https://leetcode.com/problems/swim-in-rising-water/			
https://leetcode.com/problems/shortest-path-to-get-all-keys/			
https://leetcode.com/problems/minimum-cost-to-hire-k-workers/			
https://leetcode.com/problems/k-th-smallest-prime-fraction/			
SLIDING WINDOW			
MEDIUM/HARD			
https://leetcode.com/problems/longest-substring-with-at-least-k-repeating-characters/			
https://leetcode.com/problems/max-consecutive-ones-iii/			
https://leetcode.com/problems/grumpy-bookstore-owner/			
https://leetcode.com/problems/sliding-window-median/			
TRIE			
https://leetcode.com/explore/learn/card/trie/			
SEGMENT TREE			
https://leetcode.com/articles/a-recursive-approach-to-segment-trees-range-sum-queries-lazy-propagation/			