

Day 1

Algorithms

Database

Shell

Concurrency

New

Daily Challenge

(/explore/challenge/databal/ph/psoblemset/databal/ph/pblemset/shell/) (/problemset/concurrency/) leetcoding-challenge)

All Problems (/problemset/all/) (/problemset/leetcode-curated-algo-170/) **≡** ◆ LeetCode Curated SQL 70 (/problemset/leetcode-curated-sql-70/) (/problemset/top-100-liked-questions/) **≡** ♣ Top Interview Questions (/problemset/top-interview-questions/) ₽ (/problemset/top-amazon-questions/) ₽ (/problemset/top-facebook-questions/) **≡ Top Google Questions** ₽ (/problemset/top-google-questions/) **Ⅲ** Microsoft Questions ₽ (/problemset/m-top-microsoft-questions/) Contribute Question (/contribute/)

Search question titles, description or IDs

Difficulty ▼

Status ▼

Lists ▼

Tags ▼

Hard X

	#	Title	Solution	Acceptance	Difficulty	Frequency 2
~	42	Trapping Rain Water (/problems/trapping-rain-water)	(/articles/trapping-rain-water)	49.2%	Hard	
~	4	Median of Two Sorted Arrays (/problems/median-of-two-sorted-arrays) ★	(/articles/median- of-two-sorted-arrays)	29.8%	Hard	
~	23	Merge k Sorted Lists (/problems/merge-k-sorted- lists)	i (/articles/merge-k-sorted-list)	40.5%	Hard	
?	1192	Critical Connections in a Network (/problems/critical-connections-in-a-network)		48.6%	Hard	
~	273	Integer to English Words (/problems/integer-to-english- words)	(/articles/integer-to-english-words)	27.2%	Hard	
~	269	Alien Dictionary (/problems/aliendictionary)	(/articles/alien-dictionary)	33.3%	Hard	
	829	Consecutive Numbers Sum (/problems/consecutive-numbers-sum)	(/articles/consecutive- numbers-sum)	37.9%	Hard	
~	68	Text Justification (/problems/text-justification)		28.0%	Hard	

	#	Title	Solution	Acceptance	Difficulty	Frequency 9
~	76	Minimum Window Substring (/problems/minimum-window-substring) ★	(/articles/minimum-window-substring)	34.8%	Hard	
✓	85	Maximal Rectangle (/problems/maximal-rectangle)	(/articles/maximal-rectangle)	38.0%	Hard	
~	41	First Missing Positive (/problems/first-missing-positive)	(/articles/first-missing-positive)	32.2%	Hard	
?	140	Word Break II (/problems/word- break-ii)	i (/articles/word- break-ii)	32.8%	Hard	
•	10	Regular Expression Matching (/problems/regular-expression-matching)	(/articles/regular-expression-matching)	26.9%	Hard	
~	297	Serialize and Deserialize Binary Tree (/problems/serialize-and-deserialize-binary-tree)	(/articles/serialize- and-deserialize- binary-tree)	47.7%	Hard	
	128	Longest Consecutive Sequence (/problems/longest-consecutive-sequence)	(/articles/longest- consecutive- sequence)	45.3%	Hard	
~	25	Reverse Nodes in k-Group (/problems/reverse-nodes-in-k- group)	(/articles/reverse- nodes-in-k-group)	42.5%	Hard	
~	239	Sliding Window Maximum (/problems/sliding-window- maximum)	i (/articles/sliding-window-maximum)	43.3%	Hard	
~	295	Find Median from Data Stream (/problems/find-median-from-data-stream)	(/articles/find-median-from-data-stream)	44.7%	Hard	

	#	Title	Solution	Acceptance	Difficulty	Frequency 9
~	301	Remove Invalid Parentheses (/problems/remove-invalid-parentheses)	invalid-parentheses)	43.5%	Hard	
~	124	Binary Tree Maximum Path Sum (/problems/binary-tree-maximum-path-sum)	(/articles/binary- tree-maximum-path- sum)	34.5%	Hard	
	588	Design In-Memory File System (/problems/design-in-memory-file-system)	(/articles/design-in-memory-file-system)	46.2%	Hard	
	759	Employee Free Time (/problems/employee-free-time)	i (/articles/employee-free-time)	66.5%	Hard	
	224	Basic Calculator (/problems/basic-calculator)	(/articles/basic-calculator)	37.0%	Hard	
✓	45	Jump Game II (/problems/jump- game-ii)	(/articles/jump-game-ii)	30.7%	Hard	
✓	212	Word Search II (/problems/word-search-ii)	(/articles/word-search-ii)	35.1%	Hard	
	158	Read N Characters Given Read4 II - Call multiple times (/problems/read-n-characters- given-read4-ii-call-multiple- times)		34.1%	Hard	
	420	Strong Password Checker (/problems/strong-password-checker)		13.8%	Hard	
	773	Sliding Puzzle (/problems/sliding- puzzle)	i (/articles/sliding- puzzle)	59.5%	Hard	
	460	LFU Cache (/problems/lfu-cache)		34.4%	Hard	

	#	Title	Solution	Acceptance	Difficulty Frequency 2
	843	Guess the Word (/problems/guess-the-word)	(/articles/guess-the-word)	46.0%	Hard
~	72	Edit Distance (/problems/edit-distance)	i (/articles/edit-distance)	45.1%	Hard
	37	Sudoku Solver (/problems/sudoku-solver)	i (/articles/sudoku-solver)	43.9%	Hard
	472	Concatenated Words (/problems/concatenated-words)		44.0%	Hard
	218	The Skyline Problem (/problems/the-skyline-problem)	(/articles/skyline-problem)	34.7%	Hard
?	780	Reaching Points (/problems/reaching-points)	(/articles/reaching-points)	29.5%	Hard
~	32	Longest Valid Parentheses (/problems/longest-valid- parentheses)	(/articles/longest-valid-parentheses)	28.5%	Hard
	312	Burst Balloons (/problems/burst-balloons)	(/articles/burst-balloons)	52.0%	Hard
	403	Frog Jump (/problems/frog- jump)	(/articles/frog-jump)	40.0%	Hard
✓	315	Count of Smaller Numbers After Self (/problems/count-of-smaller- numbers-after-self)		41.6%	Hard
~	51	N-Queens (/problems/n-queens)	(/articles/n-queens)	47.0%	Hard
~	84	Largest Rectangle in Histogram (/problems/largest-rectangle-inhistogram) ★	(/articles/largest-rectangle-in-histogram)	35.4%	Hard

	#	Title	Solution	Acceptance	Difficulty	Frequency 3
?	97	Interleaving String (/problems/interleaving-string)	(/articles/interleaving- strings)	31.7%	Hard	
	465	Optimal Account Balancing (/problems/optimal-account-balancing) ■		47.0%	Hard	
	480	Sliding Window Median (/problems/sliding-window- median)	(/articles/sliding-window-median)	37.4%	Hard	
~	126	Word Ladder II (/problems/word-ladder-ii)		22.3%	Hard	
	432	All O`one Data Structure (/problems/all-oone-data- structure)		32.5%	Hard	
	772	Basic Calculator III (/problems/basic-calculator-iii)		41.5%	Hard	
•	407	Trapping Rain Water II (/problems/trapping-rain-water- ii)		42.6%	Hard	
	329	Longest Increasing Path in a Matrix (/problems/longest-increasing-path-in-a-matrix)	(/articles/longest-increasing-path-in-a-matrix)	43.6%	Hard	
	1235	Maximum Profit in Job Scheduling (/problems/maximum-profit-in- job-scheduling)		44.2%	Hard	

	#	Title	Solution	Acceptance	Difficulty	Frequency 2
✓	340	Longest Substring with At Most K Distinct Characters (/problems/longest-substring- with-at-most-k-distinct- characters)	(/articles/longest- substring-with-at- most-k-distinct- characters)	44.2%	Hard	
~	336	Palindrome Pairs (/problems/palindrome-pairs)	(/articles/palindrome- pairs)	33.8%	Hard	
	428	Serialize and Deserialize N-ary Tree (/problems/serialize-and- deserialize-n-ary-tree)	(/articles/serialize- and-deserialize-n-ary- tree)	59.6%	Hard	
	149	Max Points on a Line (/problems/max-points-on-a- line)	(/articles/max-points-on-a-line)	17.0%	Hard	
	642	Design Search Autocomplete System (/problems/design- search-autocomplete-system)	(/articles/design- search-autocomplete- system)	45.0%	Hard	
	1044	Longest Duplicate Substring (/problems/longest-duplicate-substring)	(/articles/longest-duplicate-substring)	32.0%	Hard	
?	57	Insert Interval (/problems/insert-interval)	(/articles/insert-interval)	33.7%	Hard	
~	44	Wildcard Matching (/problems/wildcard-matching)	(/articles/wildcard-matching)	24.8%	Hard	
	65	Valid Number (/problems/valid- number)		15.4%	Hard	
	317	Shortest Distance from All Buildings (/problems/shortest-distance-from-all-buildings)		41.6%	Hard	

	#	Title	Solution	Acceptance	Difficulty	Frequency 9
	1326	Minimum Number of Taps to Open to Water a Garden (/problems/minimum-number-of- taps-to-open-to-water-a- garden)		43.9%	Hard	
?	410	Split Array Largest Sum (/problems/split-array-largest-sum) ★	(/articles/split- array-largest-sum)	44.8%	Hard	
	1163	Last Substring in Lexicographical Order (/problems/last-substring- in-lexicographical-order)		34.5%	Hard	
~	99	Recover Binary Search Tree (/problems/recover-binary-search-tree)	i (/articles/recover-binary-search-tree)	39.9%	Hard	
	282	Expression Add Operators (/problems/expression-add-operators)	(/articles/expression-add-operators)	35.6%	Hard	
	815	Bus Routes (/problems/bus-routes)	(/articles/bus-routes)	42.6%	Hard	
	363	Max Sum of Rectangle No Larger Than K (/problems/max-sum-of- rectangle-no-larger-than-k)		37.4%	Hard	
	749	Contain Virus (/problems/contain-virus)	i (/articles/contain- virus)	45.4%	Hard	
	316	Remove Duplicate Letters (/problems/remove-duplicate-letters)	(/articles/remove-duplicate-letters)	36.0%	Hard	
~	132	Palindrome Partitioning II (/problems/palindrome-partitioning-ii)		30.3%	Hard	

	#	Title	Solution	Acceptance	Difficulty	Frequency 9
	727	Minimum Window Subsequence (/problems/minimum-window-subsequence)	(/articles/minimum-window-subsequence)	41.9%	Hard	
	862	Shortest Subarray with Sum at Least K (/problems/shortest- subarray-with-sum-at-least-k)	(/articles/shortest- subarray-with-sum-at- least-k)	24.7%	Hard	
	87	Scramble String (/problems/scramble-string)		33.8%	Hard	
?	123	Best Time to Buy and Sell Stock III (/problems/best-time-to-buy-and-sell-stock-iii)	(/articles/best-time- to-buy-and-sell- stock-iii)	38.6%	Hard	
	214	Shortest Palindrome (/problems/shortest- palindrome)	(/articles/shortest-palindrome)	29.9%	Hard	
	188	Best Time to Buy and Sell Stock IV (/problems/best-time-to-buy-and-sell-stock-iv)	(/articles/best-time- to-buy-and-sell- stock-iv)	28.0%	Hard	
	726	Number of Atoms (/problems/number-of-atoms)	(/articles/number-of-atoms)	49.3%	Hard	
	564	Find the Closest Palindrome (/problems/find-the-closest-palindrome)	(/articles/find-the-closest-palindrome)	19.9%	Hard	
	679	24 Game (/problems/24-game)	(/articles/24-game)	46.5%	Hard	
	730	Count Different Palindromic Subsequences (/problems/count- different-palindromic- subsequences)	(/articles/count-different-palindromic-subsequences)	42.0%	Hard	
	741	Cherry Pickup (/problems/cherry-pickup)	(/articles/cherry-pickup)	34.0%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 9
1383	Maximum Performance of a Team (/problems/maximum-performance-of-a-team)		31.9%	Hard	
1274	Number of Ships in a Rectangle (/problems/number-of-ships-in-a-rectangle)		65.7%	Hard	
591	Tag Validator (/problems/tag- validator)	(/articles/tag- validator)	34.3%	Hard	
1411	Number of Ways to Paint N × 3 Grid (/problems/number-of-ways- to-paint-n-3-grid)		61.3%	Hard	
493	Reverse Pairs (/problems/reverse-pairs)	(/articles/reverse-pairs)	25.3%	Hard	
1473	Paint House III (/problems/paint-house-iii)		48.4%	Hard	
1153	String Transforms Into Another String (/problems/string-transforms-into-another-string)		35.8%	Hard	
115	Distinct Subsequences (/problems/distinct- subsequences)	(/articles/distinct-subsequences)	38.5%	Hard	
1240	Tiling a Rectangle with the Fewest Squares (/problems/tiling-a-rectangle-with-the-fewest-squares)		50.1%	Hard	
321	Create Maximum Number (/problems/create-maximum-number)		27.1%	Hard	

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440	K-th Smallest in Lexicographical Order (/problems/k-th-smallest- in-lexicographical-order)		29.2%	Hard	
828	Count Unique Characters of All Substrings of a Given String (/problems/count-unique- characters-of-all-substrings-of-a- given-string)	(/articles/unique- letter-string)	45.6%	Hard	
1293	Shortest Path in a Grid with Obstacles Elimination (/problems/shortest-path-in-a- grid-with-obstacles- elimination)		42.5%	Hard	
834	Sum of Distances in Tree (/problems/sum-of-distances-in-tree)	(/articles/sum-of-distances-in-tree)	44.0%	Hard	
262	Trips and Users (/problems/trips-and-users)		33.1%	Hard	
233	Number of Digit One (/problems/number-of-digit- one)	(/articles/number- of-digit-one)	31.4%	Hard	
185	Department Top Three Salaries (/problems/department-top-three-salaries)	(/articles/department-top-three-salaries)	35.1%	Hard	
887	Super Egg Drop (/problems/super-egg-drop)	(/articles/super-egg-drop)	27.0%	Hard	
689	Maximum Sum of 3 Non- Overlapping Subarrays (/problems/maximum-sum-of-3- non-overlapping-subarrays)	(/articles/maximum- sum-of-3-non- overlapping-intervals)	46.4%	Hard	

#	ŧ	Title	Solution	Acceptance	Difficulty	Frequency 2
3	335	Self Crossing (/problems/self-crossing)		28.1%	Hard	
9	980	Unique Paths III (/problems/unique-paths-iii)	(/articles/unique- paths-iii)	73.5%	Hard	
7	736	Parse Lisp Expression (/problems/parse-lisp- expression)	(/articles/parse- lisp-expression)	47.6%	Hard	
1	312	Minimum Insertion Steps to Make a String Palindrome (/problems/minimum-insertion- steps-to-make-a-string- palindrome)		58.4%	Hard	
8	364	Shortest Path to Get All Keys (/problems/shortest-path-to-get-all-keys)	(/articles/shortest-path-to-get-all-keys)	40.4%	Hard	
8	371	Minimum Number of Refueling Stops (/problems/minimum- number-of-refueling-stops)	(/articles/minimum- number-of-refueling- stops)	31.4%	Hard	
1	388	Pizza With 3n Slices (/problems/pizza-with-3n-slices)		45.0%	Hard	
1	088	Confusing Number II (/problems/confusing-number-ii)		44.3%	Hard	
3	354	Russian Doll Envelopes (/problems/russian-doll- envelopes)	(/articles/russian-doll-envelopes)	35.6%	Hard	
1	000	Minimum Cost to Merge Stones (/problems/minimum-cost-to- merge-stones)		40.0%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 2
514	Freedom Trail (/problems/freedom-trail)		43.2%	Hard	
753	Cracking the Safe (/problems/cracking-the-safe)	(/articles/cracking-the-safe)	50.8%	Hard	
30	Substring with Concatenation of All Words (/problems/substring- with-concatenation-of-all- words)		25.5%	Hard	
818	Race Car (/problems/race-car)	(/articles/race-car)	39.1%	Hard	
715	Range Module (/problems/range-module)	(/articles/range-module)	38.7%	Hard	
352	Data Stream as Disjoint Intervals (/problems/data-stream-as-disjoint-intervals)		47.5%	Hard	
1397	Find All Good Strings (/problems/find-all-good- strings)		37.2%	Hard	
296	Best Meeting Point (/problems/best-meeting-point)	i (/articles/best- meeting-point)	57.6%	Hard	
1216	Valid Palindrome III (/problems/valid-palindrome-iii)		47.8%	Hard	
630	Course Schedule III (/problems/course-schedule-iii)	(/articles/course-schedule-iii)	33.5%	Hard	
632	Smallest Range Covering Elements from K Lists (/problems/smallest-range- covering-elements-from-k-lists)	(/articles/smallest-range)	52.7%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 9
446	Arithmetic Slices II - Subsequence (/problems/arithmetic-slices-ii- subsequence)	(/articles/arithmetic-slices-ii-subsequence)	32.8%	Hard	
305	Number of Islands II (/problems/number-of-islands-ii)	i (/articles/number- of-islands-ii)	40.0%	Hard	
546	Remove Boxes (/problems/remove-boxes)	(/articles/remove-boxes)	43.0%	Hard	
489	Robot Room Cleaner (/problems/robot-room-cleaner)	i (/articles/robot-room-cleaner)	70.7%	Hard	
765	Couples Holding Hands (/problems/couples-holding-hands)	i (/articles/couples-holding-hands)	54.5%	Hard	
805	Split Array With Same Average (/problems/split-array-with-same-average)	(/articles/split- array-with-same- average)	26.4%	Hard	
850	Rectangle Area II (/problems/rectangle-area-ii)	(/articles/rectangle-area-ii)	47.7%	Hard	
527	Word Abbreviation (/problems/word-abbreviation) ■	(/articles/word-abbreviation)	54.5%	Hard	
1444	Number of Ways of Cutting a Pizza (/problems/number-of-ways-of-cutting-a-pizza)		52.4%	Hard	
996	Number of Squareful Arrays (/problems/number-of-squareful-arrays)	i (/articles/number- of-squareful-arrays)	47.8%	Hard	

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466	Count The Repetitions (/problems/count-the- repetitions)	i (/articles/count-the-repetitions)	28.3%	Hard		
639	Decode Ways II (/problems/decode-ways-ii)	i (/articles/decode- ways-ii)	26.7%	Hard		
827	Making A Large Island (/problems/making-a-large-island)	iarge-island)	46.0%	Hard		
757	Set Intersection Size At Least Two (/problems/set-intersection- size-at-least-two)	intersection-size-at-least-two)	40.3%	Hard		
913	Cat and Mouse (/problems/cat-and-mouse)	i (/articles/cat-and-mouse-game)	31.4%	Hard		
471	Encode String with Shortest Length (/problems/encode-string- with-shortest-length)		47.2%	Hard		
895	Maximum Frequency Stack (/problems/maximum-frequency-stack)	i (/articles/maximum-frequency-stack)	61.4%	Hard		
552	Student Attendance Record II (/problems/student-attendance-record-ii)	(/articles/student-attendance-record-ii)	36.8%	Hard		
1231	Divide Chocolate (/problems/divide-chocolate) ■		52.6%	Hard		
1095	Find in Mountain Array (/problems/find-in-mountain- array)		35.8%	Hard		
839	Similar String Groups (/problems/similar-string- groups)	(/articles/similar-string-groups)	38.7%	Hard		

#	Title	Solution	Acceptance	Difficulty	Frequency •	•
135	Candy (/problems/candy)	(/articles/candy)	31.8%	Hard		
995	Minimum Number of K Consecutive Bit Flips (/problems/minimum-number-of-k-consecutive-bit-flips)	(/articles/minimum- number-of-k- consecutive-bit-flips)	47.1%	Hard		
1478	Allocate Mailboxes (/problems/allocate-mailboxes)		55.2%	Hard		
174	Dungeon Game (/problems/dungeon-game) ★	(/articles/dungeon-game)	32.4%	Hard		
1363	Largest Multiple of Three (/problems/largest-multiple-of- three)		33.5%	Hard		
502	IPO (/problems/ipo)	(/articles/ipo)	40.5%	Hard		
1136	Parallel Courses (/problems/parallel-courses) ■		61.2%	Hard		
1172	Dinner Plate Stacks (/problems/dinner-plate-stacks)		38.1%	Hard		
1278	Palindrome Partitioning III (/problems/palindrome-partitioning-iii)		59.8%	Hard		
381	Insert Delete GetRandom O(1) - Duplicates allowed (/problems/insert-delete- getrandom-o1-duplicates- allowed)	(/articles/insert-delete-getrandom-o1-duplicates-allowed)	34.2%	Hard		
920	Number of Music Playlists (/problems/number-of-music-playlists)	(/articles/number- of-music-playlists)	46.6%	Hard		

	#	Title	Solution	Acceptance	Difficulty	Frequency 3
	1320	Minimum Distance to Type a Word Using Two Fingers (/problems/minimum-distance-to- type-a-word-using-two-fingers)		62.4%	Hard	
	327	Count of Range Sum (/problems/count-of-range-sum)		35.3%	Hard	
	1402	Reducing Dishes (/problems/reducing-dishes)		72.4%	Hard	
	968	Binary Tree Cameras (/problems/binary-tree- cameras)	(/articles/binary-tree-cameras)	37.7%	Hard	
	1406	Stone Game III (/problems/stone-game-iii)		56.6%	Hard	
•	60	Permutation Sequence (/problems/permutation- sequence)	(/articles/permutation-sequence)	38.6%	Hard	
	1246	Palindrome Removal (/problems/palindrome-removal)		45.7%	Hard	
	1531	String Compression II (/problems/string-compression- ii)		30.0%	Hard	
	1359	Count All Valid Pickup and Delivery Options (/problems/count-all-valid- pickup-and-delivery-options)		58.0%	Hard	
	992	Subarrays with K Different Integers (/problems/subarrays- with-k-different-integers)	(/articles/subarrays-with-k-different-integers)	48.9%	Hard	

#	!	Title	Solution	Acceptance	Difficulty	Frequency 9	
7	'32	My Calendar III (/problems/my-calendar-iii)	(/articles/my-calendar-iii)	60.2%	Hard		
1	335	Minimum Difficulty of a Job Schedule (/problems/minimum- difficulty-of-a-job-schedule)		57.6%	Hard		
1	548	The Most Similar Path in a Graph (/problems/the-most-similar-path-in-a-graph)		56.9%	Hard		
1	368	Minimum Cost to Make at Least One Valid Path in a Grid (/problems/minimum-cost-to- make-at-least-one-valid-path-in- a-grid)		54.6%	Hard		
1	340	Jump Game V (/problems/jump-game-v)		57.6%	Hard		
1	012	Numbers With Repeated Digits (/problems/numbers-with-repeated-digits)		37.4%	Hard		
1	203	Sort Items by Groups Respecting Dependencies (/problems/sort- items-by-groups-respecting- dependencies)		47.8%	Hard		
9	36	Stamping The Sequence (/problems/stamping-the-sequence)	(/articles/stamping-the-sequence)	43.3%	Hard		
1	505	Minimum Possible Integer After at Most K Adjacent Swaps On Digits (/problems/minimum- possible-integer-after-at-most-k- adjacent-swaps-on-digits)		36.1%	Hard		

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1301	Number of Paths with Max Score (/problems/number-of-paths-with-max-score)		37.5%	Hard	
685	Redundant Connection II (/problems/redundant-connection-ii)	(/articles/redundant- connection-ii)	32.5%	Hard	
358	Rearrange String k Distance Apart (/problems/rearrange- string-k-distance-apart)		35.0%	Hard	
1206	Design Skiplist (/problems/design-skiplist)		57.2%	Hard	
391	Perfect Rectangle (/problems/perfect-rectangle)		30.5%	Hard	
425	Word Squares (/problems/word-squares) ■	(/articles/word-squares)	47.8%	Hard	
1345	Jump Game IV (/problems/jump-game-iv)	(/articles/jump-game-iv)	38.5%	Hard	
1463	Cherry Pickup II (/problems/cherry-pickup-ii)		65.5%	Hard	
1263	Minimum Moves to Move a Box to Their Target Location (/problems/minimum-moves-to- move-a-box-to-their-target- location)		41.6%	Hard	
1425	Constrained Subsequence Sum (/problems/constrained-subsequence-sum)		44.2%	Hard	

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1330	Reverse Subarray To Maximize Array Value (/problems/reverse- subarray-to-maximize-array- value)		35.3%	Hard	
1074	Number of Submatrices That Sum to Target (/problems/number-of- submatrices-that-sum-to- target)	(/articles/number- of-submatrices-that- sum-to-target)	60.4%	Hard	
770	Basic Calculator IV (/problems/basic-calculator-iv)	(/articles/basic-calculator-iv)	53.2%	Hard	
1220	Count Vowels Permutation (/problems/count-vowels-permutation)		54.1%	Hard	
719	Find K-th Smallest Pair Distance (/problems/find-k-th-smallest-pair-distance)	(/articles/find-k-th-smallest-pair-distance)	31.7%	Hard	
1349	Maximum Students Taking Exam (/problems/maximum-students-taking-exam)		42.6%	Hard	
1269	Number of Ways to Stay in the Same Place After Some Steps (/problems/number-of-ways-to- stay-in-the-same-place-after- some-steps)		43.2%	Hard	
1439	Find the Kth Smallest Sum of a Matrix With Sorted Rows (/problems/find-the-kth-smallest-sum-of-a-matrix-with-sorted-rows)		59.5%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 9
1255	Maximum Score Words Formed by Letters (/problems/maximum- score-words-formed-by- letters)		69.5%	Hard	
1092	Shortest Common Supersequence (/problems/shortest-common-supersequence)		51.8%	Hard	
291	Word Pattern II (/problems/word-pattern-ii) ■		43.4%	Hard	
1336	Number of Transactions per Visit (/problems/number-of-transactions-per-visit)		44.6%	Hard	
1373	Maximum Sum BST in Binary Tree (/problems/maximum-sum- bst-in-binary-tree)		40.1%	Hard	
587	Erect the Fence (/problems/erect-the-fence)	(/articles/erect-the-fence)	35.8%	Hard	
854	K-Similar Strings (/problems/k-similar-strings)	(/articles/k-similar-strings)	38.4%	Hard	
956	Tallest Billboard (/problems/tallest-billboard)	illboard)	39.7%	Hard	
847	Shortest Path Visiting All Nodes (/problems/shortest-path-visiting-all-nodes)	(/articles/shortest- path-visiting-all- nodes)	52.2%	Hard	
924	Minimize Malware Spread (/problems/minimize-malware-spread)	(/articles/minimize-malware-spread)	42.0%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 9
982	Triples with Bitwise AND Equal To Zero (/problems/triples-with-bitwise-and-equal-to-zero)		55.5%	Hard	
142	O Build Array Where You Can Find The Maximum Exactly K Comparisons (/problems/build- array-where-you-can-find-the- maximum-exactly-k- comparisons)		64.8%	Hard	
164	Maximum Gap (/problems/maximum-gap)	(/articles/maximum-gap)	35.6%	Hard	
761	Special Binary String (/problems/special-binary-string)	(/articles/special-binary-string)	55.0%	Hard	
308	Range Sum Query 2D - Mutable (/problems/range-sum-query-2d-mutable)		36.0%	Hard	
803	Bricks Falling When Hit (/problems/bricks-falling-when-hit)	(/articles/bricks-falling-when-hit)	30.9%	Hard	
100	1 Grid Illumination (/problems/grid-illumination)		36.0%	Hard	
615	Average Salary: Departments VS Company (/problems/average-salary-departments-vs-company)	(/articles/average-salary-departments-vs-company)	47.8%	Hard	
699	Falling Squares (/problems/falling-squares)	(/articles/falling-squares)	41.9%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 2
568	Maximum Vacation Days (/problems/maximum-vacation-days) ●	(/articles/maximum-vacation-days)	40.9%	Hard	
1453	Maximum Number of Darts Inside of a Circular Dartboard (/problems/maximum-number-of- darts-inside-of-a-circular- dartboard)		34.1%	Hard	
1307	Verbal Arithmetic Puzzle (/problems/verbal-arithmetic- puzzle)		38.0%	Hard	
710	Random Pick with Blacklist (/problems/random-pick-with-blacklist)	i (/articles/random- pick-with-blacklist)	32.5%	Hard	
928	Minimize Malware Spread II (/problems/minimize-malware- spread-ii)	i (/articles/minimize-malware-spread-ii)	40.7%	Hard	
601	Human Traffic of Stadium (/problems/human-traffic-of-stadium)	i (/articles/human-traffic-of-stadium)	42.0%	Hard	
272	Closest Binary Search Tree Value II (/problems/closest-binary-search-tree-value-ii)		50.7%	Hard	
1520	Maximum Number of Non- Overlapping Substrings (/problems/maximum-number-of- non-overlapping-substrings)		33.4%	Hard	
1147	Longest Chunked Palindrome Decomposition (/problems/longest-chunked- palindrome-decomposition)		58.8%	Hard	

	#	Title	Solution	Acceptance	Difficulty Frequency 9
	664	Strange Printer (/problems/strange-printer)	(/articles/strange-printer)	40.4%	Hard
	479	Largest Palindrome Product (/problems/largest-palindrome-product)		29.1%	Hard
?	154	Find Minimum in Rotated Sorted Array II (/problems/find-minimum- in-rotated-sorted-array-ii)	(/articles/find-minimum-in-rotated-sorted-array-ii)	41.6%	Hard
	943	Find the Shortest Superstring (/problems/find-the-shortest-superstring)	(/articles/find-the-shortest-superstring)	43.0%	Hard
	569	Median Employee Salary (/problems/median-employee-salary)	(/articles/median- employee-salary)	58.4%	Hard
	857	Minimum Cost to Hire K Workers (/problems/minimum-cost-to-hire-k-workers)	(/articles/minimum-cost-to-hire-k-workers)	49.6%	Hard
	891	Sum of Subsequence Widths (/problems/sum-of-subsequence-widths)	(/articles/sum-of-subsequence-widths)	32.1%	Hard
	1028	Recover a Tree From Preorder Traversal (/problems/recover-a- tree-from-preorder-traversal)		70.1%	Hard
	1494	Parallel Courses II (/problems/parallel-courses-ii)		31.3%	Hard
	1298	Maximum Candies You Can Get from Boxes (/problems/maximum-candies-you-can-get-from-boxes)		59.0%	Hard

#	Title	Solution	Acceptance	Difficulty	Frequency 9
483	Smallest Good Base (/problems/smallest-good- base)		35.8%	Hard	
1449	Form Largest Integer With Digits That Add up to Target (/problems/form-largest-integer- with-digits-that-add-up-to- target)		42.0%	Hard	
1377	Frog Position After T Seconds (/problems/frog-position-after-t-seconds)		33.7%	Hard	
600	Non-negative Integers without Consecutive Ones (/problems/non-negative- integers-without-consecutive- ones)	(/articles/non- negative-integers- without-consecutive- ones)	34.2%	Hard	
1127	User Purchase Platform (/problems/user-purchase-platform)		49.6%	Hard	
903	Valid Permutations for DI Sequence (/problems/valid- permutations-for-di-sequence)	(/articles/valid- permutations-for-di- sequence)	50.0%	Hard	
778	Swim in Rising Water (/problems/swim-in-rising-water)	(/articles/swim-in-rising-water)	53.2%	Hard	
878	Nth Magical Number (/problems/nth-magical-number)	(/articles/nth-magical-number)	28.6%	Hard	
1125	Smallest Sufficient Team (/problems/smallest-sufficient-team)		46.5%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 9
940	Distinct Subsequences II (/problems/distinct- subsequences-ii)	(/articles/distinct- subsequences-ii)	41.5%	Hard	
431	Encode N-ary Tree to Binary Tree (/problems/encode-n-ary-tree-to-binary-tree)	(/articles/encode-n-ary-tree-to-binary-tree)	71.0%	Hard	
302	Smallest Rectangle Enclosing Black Pixels (/problems/smallest- rectangle-enclosing-black- pixels)	(/articles/smallest-rectangle-enclosing-black-pixels)	51.7%	Hard	
786	K-th Smallest Prime Fraction (/problems/k-th-smallest-prime-fraction)	(/articles/k-th- smallest-prime- fraction)	41.0%	Hard	
1412	Find the Quiet Students in All Exams (/problems/find-the-quiet-students-in-all-exams)		67.1%	Hard	
248	Strobogrammatic Number III (/problems/strobogrammatic-number-iii)		39.7%	Hard	
629	K Inverse Pairs Array (/problems/k-inverse-pairs- array)	(/articles/k-inverse-pairs-array)	31.2%	Hard	
1392	Longest Happy Prefix (/problems/longest-happy- prefix)		40.5%	Hard	
1537	Get the Maximum Score (/problems/get-the-maximum- score)		35.6%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 9
1036	Escape a Large Maze (/problems/escape-a-large- maze)		35.3%	Hard	
1096	Brace Expansion II (/problems/brace-expansion-ii)		62.2%	Hard	
1157	Online Majority Element In Subarray (/problems/online- majority-element-in-subarray)		39.1%	Hard	
1384	Total Sales Amount by Year (/problems/total-sales-amount-by-year) ■		63.3%	Hard	
927	Three Equal Parts (/problems/three-equal-parts)	(/articles/three-equal-parts)	33.7%	Hard	
488	Zuma Game (/problems/zuma- game)		39.8%	Hard	
1284	Minimum Number of Flips to Convert Binary Matrix to Zero Matrix (/problems/minimum- number-of-flips-to-convert- binary-matrix-to-zero-matrix)		69.4%	Hard	
1416	Restore The Array (/problems/restore-the-array)		36.2%	Hard	
691	Stickers to Spell Word (/problems/stickers-to-spell- word)	(/articles/stickers-to-spell-word)	43.0%	Hard	
1106	Parsing A Boolean Expression (/problems/parsing-a-boolean-expression)		58.7%	Hard	

	#	Title	Solution	Acceptance	Difficulty	Frequency 9	
	1515	Best Position for a Service Centre (/problems/best-position-for-a-service-centre)		36.3%	Hard		
	1434	Number of Ways to Wear Different Hats to Each Other (/problems/number-of-ways-to- wear-different-hats-to-each- other)		38.0%	Hard		
	675	Cut Off Trees for Golf Event (/problems/cut-off-trees-for-golf- event)	(/articles/cutoff- trees-for-golf-event)	34.6%	Hard		
	1499	Max Value of Equation (/problems/max-value-of-equation)		44.3%	Hard		
	745	Prefix and Suffix Search (/problems/prefix-and-suffix- search)	(/articles/prefix-and-suffix-search)	34.3%	Hard		
	1510	Stone Game IV (/problems/stone-game-iv)	(/articles/stone-game-iv)	51.6%	Hard		
	1479	Sales by Day of the Week (/problems/sales-by-day-of-theweek) ■		84.4%	Hard		
	768	Max Chunks To Make Sorted II (/problems/max-chunks-to-make- sorted-ii)	(/articles/max- chunks-to-make- sorted-ii)	48.9%	Hard		
	265	Paint House II (/problems/paint-house-ii) ■	(/articles/paint-house-ii)	44.7%	Hard		
~	52	N-Queens II (/problems/n-queens-ii)	i) (/articles/n-queens-	58.2%	Hard		

#	Title	Solution	Acceptance	Difficulty	Frequency 9
668	Kth Smallest Number in Multiplication Table (/problems/kth-smallest-number- in-multiplication-table)	(/articles/kth-smallest-number-in-multiplication-table)	46.0%	Hard	
683	K Empty Slots (/problems/k-empty-slots) ●	(/articles/k-empty-slots)	35.7%	Hard	
1483	Kth Ancestor of a Tree Node (/problems/kth-ancestor-of-a-tree-node)		27.8%	Hard	
1032	Stream of Characters (/problems/stream-of- characters)	i (/articles/stream-of-characters)	48.3%	Hard	
1526	Minimum Number of Increments on Subarrays to Form a Target Array (/problems/minimum- number-of-increments-on- subarrays-to-form-a-target- array)		58.7%	Hard	
1547	Minimum Cost to Cut a Stick (/problems/minimum-cost-to-cut-a-stick)		49.3%	Hard	
975	Odd Even Jump (/problems/odd- even-jump)	(/articles/odd-even-jump)	42.1%	Hard	
1553	Minimum Number of Days to Eat N Oranges (/problems/minimum- number-of-days-to-eat-n- oranges)		27.4%	Hard	
1542	Find Longest Awesome Substring (/problems/find-longest-awesome-substring)		35.7%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 9
1563	Stone Game V (/problems/stone-game-v)		40.9%	Hard	
952	Largest Component Size by Common Factor (/problems/largest-component- size-by-common-factor)	(/articles/largest- component-size-by- common-factor)	35.6%	Hard	
1569	Number of Ways to Reorder Array to Get Same BST (/problems/number-of-ways-to- reorder-array-to-get-same-bst)		49.1%	Hard	
1568	Minimum Number of Days to Disconnect Island (/problems/minimum-number-of- days-to-disconnect-island)		53.6%	Hard	
1559	Detect Cycles in 2D Grid (/problems/detect-cycles-in-2d- grid)		44.5%	Hard	
1516	Move Sub-Tree of N-Ary Tree (/problems/move-sub-tree-of-n-ary-tree)		60.0%	Hard	
1521	Find a Value of a Mysterious Function Closest to Target (/problems/find-a-value-of-a- mysterious-function-closest-to- target)		43.1%	Hard	
1489	Find Critical and Pseudo-Critical Edges in Minimum Spanning Tree (/problems/find-critical-and- pseudo-critical-edges-in- minimum-spanning-tree)		51.1%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 9
1467	Probability of a Two Boxes Having The Same Number of Distinct Balls (/problems/probability-of-a-two-boxes-having-the-same-number-of-distinct-balls)		61.5%	Hard	
1458	Max Dot Product of Two Subsequences (/problems/max- dot-product-of-two- subsequences)		41.7%	Hard	
1369	Get the Second Most Recent Activity (/problems/get-the- second-most-recent-activity)		66.0%	Hard	
1354	Construct Target Array With Multiple Sums (/problems/construct-target-array-with-multiple-sums)	(/articles/construct-target-array-with-multiple-sums)	31.8%	Hard	
1250	Check If It Is a Good Array (/problems/check-if-it-is-a-good-array)		55.8%	Hard	
1225	Report Contiguous Dates (/problems/report-contiguousdates)		61.7%	Hard	
1224	Maximum Equal Frequency (/problems/maximum-equal- frequency)		33.8%	Hard	
1210	Minimum Moves to Reach Target with Rotations (/problems/minimum-moves-to-reach-target-with-rotations)		45.3%	Hard	

#	Title	Solution	Acceptance	Difficulty Frequency 2
1194	Tournament Winners (/problems/tournament-winners)		52.7%	Hard
1187	Make Array Strictly Increasing (/problems/make-array-strictly-increasing)		41.6%	Hard
1178	Number of Valid Words for Each Puzzle (/problems/number-of- valid-words-for-each-puzzle)		38.0%	Hard
1159	Market Analysis II (/problems/market-analysis-ii) ▲		53.7%	Hard
1316	Distinct Echo Substrings (/problems/distinct-echo- substrings)		46.5%	Hard
1289	Minimum Falling Path Sum II (/problems/minimum-falling-path- sum-ii)		61.2%	Hard
1259	Handshakes That Don't Cross (/problems/handshakes-that-dont-cross) ■ □		53.7%	Hard
1097	Game Play Analysis V (/problems/game-play-analysis- v) ■		54.7%	Hard
1199	Minimum Time to Build Blocks (/problems/minimum-time-to-build-blocks) ■		37.4%	Hard
1183	Maximum Number of Ones (/problems/maximum-number-ofones) ■		54.7%	Hard

#	Title	Solution	Acceptance	Difficulty	Frequency 9
1168	Optimize Water Distribution in a Village (/problems/optimize-water-distribution-in-a-village)		61.7%	Hard	
1121	Divide Array Into Increasing Sequences (/problems/divide- array-into-increasing- sequences)		57.1%	Hard	
1067	Digit Count in Range (/problems/digit-count-in-range) ■		39.9%	Hard	
1063	Number of Valid Subarrays (/problems/number-of-valid-subarrays) ■		71.3%	Hard	
972	Equal Rational Numbers (/problems/equal-rational-numbers)	i (/articles/equal-rational-numbers)	41.6%	Hard	
964	Least Operators to Express Number (/problems/least- operators-to-express-number)	i (/articles/least- operators-to-express- number)	44.0%	Hard	
960	Delete Columns to Make Sorted III (/problems/delete-columns-to-make-sorted-iii)	i (/articles/delete- columns-to-make- sorted-iii)	53.8%	Hard	
906	Super Palindromes (/problems/super-palindromes)	(/articles/super-palindromes)	32.7%	Hard	
902	Numbers At Most N Given Digit Set (/problems/numbers-at-most- n-given-digit-set)	(/articles/numbers- at-most-n-given-digit- set)	31.6%	Hard	
899	Orderly Queue (/problems/orderly-queue)	(/articles/orderly-queue)	52.5%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 3
882	Reachable Nodes In Subdivided Graph (/problems/reachable- nodes-in-subdivided-graph)	(/articles/reachable- nodes-in-subdivided- graph)	41.5%	Hard	
879	Profitable Schemes (/problems/profitable-schemes)	(/articles/profitable-schemes)	39.8%	Hard	
810	Chalkboard XOR Game (/problems/chalkboard-xor- game)	(/articles/chalkboard- xor-game)	48.5%	Hard	
798	Smallest Rotation with Highest Score (/problems/smallest-rotation-with-highest-score)	(/articles/smallest-rotation-with-highest-score)	44.2%	Hard	
793	Preimage Size of Factorial Zeroes Function (/problems/preimage- size-of-factorial-zeroes- function)	(/articles/preimage- size-of-factorial- zeroes-function)	40.4%	Hard	
782	Transform to Chessboard (/problems/transform-to-chessboard)	(/articles/transform-to-chessboard)	46.7%	Hard	
774	Minimize Max Distance to Gas Station (/problems/minimize-max-distance-to-gas-station) ■	(/articles/minimize-max-distance-to-gas-station)	47.2%	Hard	
711	Number of Distinct Islands II (/problems/number-of-distinct-islands-ii)	(/articles/number-of-distinct-islands-ii)	47.6%	Hard	
660	Remove 9 (/problems/remove-9)	(/articles/remove-9)	53.5%	Hard	
656	Coin Path (/problems/coin-path) ■	(/articles/coin-path)	29.1%	Hard	

#	Title	Solution	Acceptance	Difficulty	Frequency 2
644	Maximum Average Subarray II (/problems/maximum-average-subarray-ii)	i (/articles/maximum-average-subarray-ii)	32.1%	Hard	
631	Design Excel Sum Formula (/problems/design-excel-sumformula)	(/articles/design-excel-sum-formula)	31.6%	Hard	
618	Students Report By Geography (/problems/students-report-by-geography)	(/articles/students-report-by-geography)	55.7%	Hard	
579	Find Cumulative Salary of an Employee (/problems/find-cumulative-salary-of-an-employee)	(/articles/find- cumulative-salary-of- an-employee)	37.2%	Hard	
571	Find Median Given Frequency of Numbers (/problems/find-median-given-frequency-of-numbers)		45.0%	Hard	
517	Super Washing Machines (/problems/super-washing-machines)	(/articles/super-washing-machines)	38.3%	Hard	
499	The Maze III (/problems/the-maze-iii) ■		41.3%	Hard	
458	Poor Pigs (/problems/poor- pigs)	(/articles/poor-pigs)	47.6%	Hard	
411	Minimum Unique Word Abbreviation (/problems/minimum-unique-word-abbreviation)		36.4%	Hard	
330	Patching Array (/problems/patching-array)	(/articles/patching-array)	34.6%	Hard	

Title Solution Acceptance Difficulty Frequency 3

all • rows per page.

□ Topics

```
Array 279 (/tag/array/)
                          Dynamic Programming 217 (/tag/dynamic-programming/)
                                                                                      String 192 (/tag/string/)
                                                   Depth-first Search 132 (/tag/depth-first-search/)
Math 184 (/tag/math/)
                          Tree 141 (/tag/tree/)
Hash Table 130 (/tag/hash-table/)
                                     Greedy 90 (/tag/greedy/)
                                                                  Binary Search 89 (/tag/binary-search/)
                                                     Sort 61 (/tag/sort/)
Breadth-first Search 71 (/tag/breadth-first-search/)
                                                                            Two Pointers 60 (/tag/two-pointers/)
Stack 59 (/tag/stack/)
                          Backtracking 55 (/tag/backtracking/)
                                                                  Bit Manipulation 53 (/tag/bit-manipulation/)
Design 50 (/tag/design/)
                            Graph 47 (/tag/graph/)
                                                       Linked List 39 (/tag/linked-list/) ( Heap 35 (/tag/heap/)
                                                          Show More •
```

Companies

Google 871 (/company/google/) Amazon 791 (/company/amazon/) Facebook 563 (/company/facebook/) Microsoft 517 (/company/microsoft/) Apple 377 (/company/apple/) Bloomberg 358 (/company/bloomberg/) 215 (/company/oracle/) Uber 308 (/company/uber/) Adobe 242 (/company/adobe/) LinkedIn 137 (/company/linkedin/) eBay 126 (/company/ebay/) ByteDance 121 (/company/bytedance/) Goldman Sachs 118 (/company/goldman-sachs/) Yahoo 117 (/company/yahoo/) VMware 105 (/company/vmware/) Snapchat 89 (/company/snapchat/) Twitter 79 (/company/twitter/) Walmart Labs 79 (/company/walmart-labs/) Cisco 69 (/company/cisco/) Salesforce 68 (/company/salesforce/) Paypal 61 (/company/paypal/) Airbnb 59 (/company/airbnb/) Atlassian 56 (/company/atlassian/) Lyft 53 (/company/lyft/) Expedia 48 (/company/expedia/) Yandex 47 (/company/yandex/) Citadel 43 (/company/citadel/) Visa 42 (/company/visa/) Mathworks 41 (/company/mathworks/) Nutanix 40 (/company/nutanix/)



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