🔖 Microsoft

You have solved **31 / 96** problems.

☑ **Show problem tags**

#	Title	Tags	Acceptance	Difficulty	Frequency ❓
138	Copy List with Random Point…	Hash Table (/tag/hash-table) Linked List (/tag/linked-list) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Uber (/company/uber)	25.9%	Medium	
348	Design Tic-Tac-Toe (/problem… 🔓	Design (/tag/design) Google (/company/google) Microsoft (/company/microsoft)	46.0%	Medium	
✔ 206	Reverse Linked List (/proble…	Linked List (/tag/linked-list) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Uber (/company/uber) Twitter (/company/twitter) Apple (/company/apple) Snapchat (/company/snapchat) Zenefits (/company/zenefits) Yelp (/company/yelp) Yahoo (/company/yahoo) Adobe (/company/adobe)	46.7%	Easy	
419	Battleships in a Board (/probl…	Microsoft (/company/microsoft)	63.1%	Medium	
273	Integer to English Words (/pro…	Math (/tag/math) String (/tag/string) Facebook (/company/facebook) Microsoft (/company/microsoft)	22.7%	Hard	

	#	Title	Tags	Acceptance	Difficulty	Frequency ❓
	171	Excel Sheet Column Number …	Math (/tag/math) Microsoft (/company/microsoft) Uber (/company/uber)	48.5%	Easy	
✔	445	Add Two Numbers II (/proble…	Linked List (/tag/linked-list) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg)	46.2%	Medium	
✔	88	Merge Sorted Array (/proble…	Array (/tag/array) Two Pointers (/tag/two-pointers) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg)	32.1%	Easy	
	186	Reverse Words in a String II (/… 🔓	String (/tag/string) Microsoft (/company/microsoft) Amazon (/company/amazon) Uber (/company/uber)	30.1%	Medium	
✔	54	Spiral Matrix (/problems/spira…	Array (/tag/array) Google (/company/google) Microsoft (/company/microsoft) Uber (/company/uber)	27.2%	Medium	
✔	1	Two Sum (/problems/two-sum)	Array (/tag/array) Hash Table (/tag/hash-table) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Uber (/company/uber) LinkedIn (/company/linkedin) Apple (/company/apple) Airbnb (/company/airbnb) Yelp (/company/yelp) Yahoo (/company/yahoo) Adobe (/company/adobe) Dropbox (/company/dropbox)	37.9%	Easy	

	#	Title	Tags	Acceptance	Difficulty	Frequency ❓
✔	200	Number of Islands (/problems…	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Union Find (/tag/union-find) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Zenefits (/company/zenefits)	36.6%	Medium	
?	236	Lowest Common Ancestor of…	Tree (/tag/tree) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) LinkedIn (/company/linkedin) Apple (/company/apple)	29.9%	Medium	
✔	53	Maximum Subarray (/problem…	Array (/tag/array) Divide and Conquer (/tag/divide-and-conquer) Dynamic Programming (/tag/dynamic-programming) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) LinkedIn (/company/linkedin)	40.3%	Easy	
✔	21	Merge Two Sorted Lists (/pro…	Linked List (/tag/linked-list) Microsoft (/company/microsoft) Amazon (/company/amazon) LinkedIn (/company/linkedin) Apple (/company/apple)	41.0%	Easy	
✔	235	Lowest Common Ancestor of…	Tree (/tag/tree) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Twitter (/company/twitter)	39.8%	Easy	

	#	Title	Tags	Acceptance	Difficulty	Frequency ❓
✔	103	Binary Tree Zigzag Level Ord…	Stack (/tag/stack) Tree (/tag/tree) Breadth-first Search (/tag/breadth-first-search) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) LinkedIn (/company/linkedin)	36.7%	Medium	
	218	The Skyline Problem (/proble…	Divide and Conquer (/tag/divide-and-conquer) Heap (/tag/heap) Binary Indexed Tree (/tag/binary-indexed-tree) Segment Tree (/tag/segment-tree) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) Twitter (/company/twitter) Yelp (/company/yelp)	29.0%	Hard	
✔	13	Roman to Integer (/problems/…	Math (/tag/math) String (/tag/string) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) Uber (/company/uber) Yahoo (/company/yahoo)	48.0%	Easy	
	297	Serialize and Deserialize Bina…	Tree (/tag/tree) Design (/tag/design) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Uber (/company/uber) LinkedIn (/company/linkedin) Yahoo (/company/yahoo)	35.0%	Hard	
	116	Populating Next Right Pointer…	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	36.8%	Medium	

#	Title	Tags	Acceptance	Difficulty	Frequency ❓
722	Remove Comments (/proble…	String (/tag/string) Microsoft (/company/microsoft)	27.9%	Medium	
✔ 151	Reverse Words in a String (/p…	String (/tag/string) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) Apple (/company/apple) Snapchat (/company/snapchat) Yelp (/company/yelp)	15.6%	Medium	
73	Set Matrix Zeroes (/problems…	Array (/tag/array) Microsoft (/company/microsoft) Amazon (/company/amazon)	36.5%	Medium	
117	Populating Next Right Pointer…	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg)	33.9%	Medium	
✔ 2	Add Two Numbers (/problem…	Linked List (/tag/linked-list) Math (/tag/math) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Airbnb (/company/airbnb) Adobe (/company/adobe)	28.6%	Medium	
✔ 268	Missing Number (/problems/…	Array (/tag/array) Math (/tag/math) Bit Manipulation (/tag/bit-manipulation) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg)	45.1%	Easy	
141	Linked List Cycle (/problems/l…	Linked List (/tag/linked-list) Two Pointers (/tag/two-pointers) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Yahoo (/company/yahoo)	35.1%	Easy	

#	Title	Tags	Acceptance	Difficulty	Frequency ❓
	48	Rotate Image (/problems/rota…	Array (/tag/array) Microsoft (/company/microsoft) Amazon (/company/amazon) Apple (/company/apple)	41.7%	Medium	
?	146	LRU Cache (/problems/lru-ca…	Design (/tag/design) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Uber (/company/uber) Twitter (/company/twitter) Snapchat (/company/snapchat) Zenefits (/company/zenefits) Yahoo (/company/yahoo) Palantir (/company/palantir)	19.8%	Hard	
✔	121	Best Time to Buy and Sell St…	Array (/tag/array) Dynamic Programming (/tag/dynamic-programming) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Uber (/company/uber)	42.9%	Easy	
✔	75	Sort Colors (/problems/sort-c…	Array (/tag/array) Two Pointers (/tag/two-pointers) Sort (/tag/sort) Facebook (/company/facebook) Microsoft (/company/microsoft) Pocket Gems (/company/pocket-gems)	38.9%	Medium	
✔	20	Valid Parentheses (/problems…	String (/tag/string) Stack (/tag/stack) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Twitter (/company/twitter) Airbnb (/company/airbnb) Zenefits (/company/zenefits)	34.0%	Easy	

	#	Title	Tags	Acceptance	Difficulty	Frequency ❓
	8	String to Integer (atoi) (/probl…	Math (/tag/math) String (/tag/string) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Uber (/company/uber)	14.1%	Medium	
	24	Swap Nodes in Pairs (/proble…	Linked List (/tag/linked-list) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) Uber (/company/uber)	39.1%	Medium	
✔	238	Product of Array Except Self (…	Array (/tag/array) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) LinkedIn (/company/linkedin) Apple (/company/apple)	50.2%	Medium	
✔	33	Search in Rotated Sorted Arr…	Array (/tag/array) Binary Search (/tag/binary-search) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) Uber (/company/uber) LinkedIn (/company/linkedin)	31.9%	Medium	
	5	Longest Palindromic Substrin…	String (/tag/string) Dynamic Programming (/tag/dynamic-programming) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg)	25.3%	Medium	
❓	168	Excel Sheet Column Title (/pr…	Math (/tag/math) Facebook (/company/facebook) Microsoft (/company/microsoft) Zenefits (/company/zenefits)	27.3%	Easy	

#	Title	Tags	Acceptance	Difficulty	Frequency ❓
4	Median of Two Sorted Arrays …	Array (/tag/array) Binary Search (/tag/binary-search) Divide and Conquer (/tag/divide-and-conquer) Google (/company/google) Microsoft (/company/microsoft) Apple (/company/apple) Zenefits (/company/zenefits) Yahoo (/company/yahoo) Adobe (/company/adobe) Dropbox (/company/dropbox)	23.0%	Hard	
208	Implement Trie (Prefix Tree) (/…	Design (/tag/design) Trie (/tag/trie) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) Uber (/company/uber) Twitter (/company/twitter)	30.8%	Medium	
153	Find Minimum in Rotated Sor…	Array (/tag/array) Binary Search (/tag/binary-search) Microsoft (/company/microsoft)	40.8%	Medium	
✔ 98	Validate Binary Search Tree (/…	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg)	24.1%	Medium	
212	Word Search II (/problems/wo…	Backtracking (/tag/backtracking) Trie (/tag/trie) Google (/company/google) Microsoft (/company/microsoft) Airbnb (/company/airbnb)	24.8%	Hard	
✔ 232	Implement Queue using Stac…	Stack (/tag/stack) Design (/tag/design) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg)	38.1%	Easy	

	#	Title	Tags	Acceptance	Difficulty	Frequency ❓
❓	23	Merge k Sorted Lists (/proble…	Linked List (/tag/linked-list) Divide and Conquer (/tag/divide-and-conquer) Heap (/tag/heap) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Uber (/company/uber) LinkedIn (/company/linkedin) Twitter (/company/twitter) Airbnb (/company/airbnb) IXL (/company/ixl)	28.1%	Hard	
✔	173	Binary Search Tree Iterator (/…	Stack (/tag/stack) Tree (/tag/tree) Design (/tag/design) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) LinkedIn (/company/linkedin)	43.5%	Medium	
	160	Intersection of Two Linked Lis…	Linked List (/tag/linked-list) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Airbnb (/company/airbnb)	30.8%	Easy	
	285	Inorder Successor in BST (/pr… 🔓	Tree (/tag/tree) Facebook (/company/facebook) Microsoft (/company/microsoft) Pocket Gems (/company/pocket-gems)	35.6%	Medium	
✔	237	Delete Node in a Linked List (…	Linked List (/tag/linked-list) Microsoft (/company/microsoft) Apple (/company/apple) Adobe (/company/adobe)	47.2%	Easy	
	642	Design Search Autocomplete… 🔓	Design (/tag/design) Trie (/tag/trie) Facebook (/company/facebook) Microsoft (/company/microsoft)	31.0%	Hard	

#	Title	Tags	Acceptance	Difficulty	Frequency ❓
102	Binary Tree Level Order Trave…	Tree (/tag/tree) Breadth-first Search (/tag/breadth-first-search) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) LinkedIn (/company/linkedin) Apple (/company/apple)	42.5%	Medium	
✔ 174	Dungeon Game (/problems/d…	Binary Search (/tag/binary-search) Dynamic Programming (/tag/dynamic-programming) Microsoft (/company/microsoft)	24.2%	Hard	
? 26	Remove Duplicates from Sort…	Array (/tag/array) Two Pointers (/tag/two-pointers) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg)	36.3%	Easy	
191	Number of 1 Bits (/problems/…	Bit Manipulation (/tag/bit-manipulation) Microsoft (/company/microsoft) Apple (/company/apple)	40.4%	Easy	
25	Reverse Nodes in k-Group (/…	Linked List (/tag/linked-list) Facebook (/company/facebook) Microsoft (/company/microsoft)	31.6%	Hard	
? 56	Merge Intervals (/problems/m…	Array (/tag/array) Sort (/tag/sort) Google (/company/google) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) LinkedIn (/company/linkedin) Twitter (/company/twitter) Yelp (/company/yelp)	31.9%	Medium	

#	Title	Tags	Acceptance	Difficulty	Frequency ❓
	106	Construct Binary Tree from In...	Array (/tag/array) Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	33.6%	Medium	
✔	94	Binary Tree Inorder Traversal (...	Hash Table (/tag/hash-table) Stack (/tag/stack) Tree (/tag/tree) Microsoft (/company/microsoft)	49.6%	Medium	
	215	Kth Largest Element in an Arr...	Divide and Conquer (/tag/divide-and-conquer) Heap (/tag/heap) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Apple (/company/apple) Pocket Gems (/company/pocket-gems)	40.6%	Medium	
	189	Rotate Array (/problems/rotat...	Array (/tag/array) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg)	25.2%	Easy	
	71	Simplify Path (/problems/sim...	String (/tag/string) Stack (/tag/stack) Facebook (/company/facebook) Microsoft (/company/microsoft)	26.3%	Medium	
✔	15	3Sum (/problems/3sum)	Array (/tag/array) Two Pointers (/tag/two-pointers) Facebook (/company/facebook) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg) Adobe (/company/adobe) Works Applications (/company/works-applications)	21.8%	Medium	

#	Title	Tags	Acceptance	Difficulty	Frequency ❓
165	Compare Version Numbers (/...	String (/tag/string) Microsoft (/company/microsoft) Apple (/company/apple)	20.8%	Medium	
46	Permutations (/problems/per...	Backtracking (/tag/backtracking) Microsoft (/company/microsoft) LinkedIn (/company/linkedin)	47.2%	Medium	
204	Count Primes (/problems/cou...	Hash Table (/tag/hash-table) Math (/tag/math) Microsoft (/company/microsoft) Amazon (/company/amazon)	26.5%	Easy	
124	Binary Tree Maximum Path S...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft) Baidu (/company/baidu)	27.1%	Hard	
443	String Compression (/proble...	String (/tag/string) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) Snapchat (/company/snapchat) Yelp (/company/yelp) Expedia (/company/expedia) GoDaddy (/company/godaddy) Lyft (/company/lyft)	36.0%	Easy	
270	Closest Binary Search Tree V... 🔓	Binary Search (/tag/binary-search) Tree (/tag/tree) Google (/company/google) Microsoft (/company/microsoft) Snapchat (/company/snapchat)	40.6%	Easy	
✔ 387	First Unique Character in a St...	Hash Table (/tag/hash-table) String (/tag/string) Google (/company/google) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg)	47.1%	Easy	

	#	Title	Tags	Acceptance	Difficulty	Frequency ❓
✔	28	Implement strStr() (/problems…	Two Pointers (/tag/two-pointers) String (/tag/string) Facebook (/company/facebook) Microsoft (/company/microsoft) Apple (/company/apple) Pocket Gems (/company/pocket-gems)	28.9%	Easy	
	567	Permutation in String (/proble…	Two Pointers (/tag/two-pointers) Microsoft (/company/microsoft)	36.3%	Medium	
	101	Symmetric Tree (/problems/s…	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) LinkedIn (/company/linkedin)	40.4%	Easy	
	91	Decode Ways (/problems/dec…	String (/tag/string) Dynamic Programming (/tag/dynamic-programming) Facebook (/company/facebook) Microsoft (/company/microsoft) Uber (/company/uber)	20.3%	Medium	
	300	Longest Increasing Subseque…	Binary Search (/tag/binary-search) Dynamic Programming (/tag/dynamic-programming) Microsoft (/company/microsoft)	38.9%	Medium	
✔	125	Valid Palindrome (/problems/…	Two Pointers (/tag/two-pointers) String (/tag/string) Facebook (/company/facebook) Microsoft (/company/microsoft) Uber (/company/uber) Zenefits (/company/zenefits)	27.0%	Easy	

	#	Title	Tags	Acceptance	Difficulty	Frequency ❓
?	79	Word Search (/problems/wor...	Array (/tag/array) Backtracking (/tag/backtracking) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg)	28.1%	Medium	
✔	258	Add Digits (/problems/add-di...	Math (/tag/math) Microsoft (/company/microsoft) Adobe (/company/adobe)	51.8%	Easy	
	114	Flatten Binary Tree to Linked ...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	36.5%	Medium	
	162	Find Peak Element (/problem...	Array (/tag/array) Binary Search (/tag/binary-search) Google (/company/google) Microsoft (/company/microsoft)	38.9%	Medium	
	112	Path Sum (/problems/path-su...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	34.9%	Easy	
	55	Jump Game (/problems/jump...	Array (/tag/array) Greedy (/tag/greedy) Microsoft (/company/microsoft)	29.5%	Medium	
	333	Largest BST Subtree (/proble... 🔓	Tree (/tag/tree) Microsoft (/company/microsoft)	31.1%	Medium	
✔	513	Find Bottom Left Tree Value (/...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Microsoft (/company/microsoft)	56.1%	Medium	
	365	Water and Jug Problem (/pro...	Math (/tag/math) Microsoft (/company/microsoft)	28.0%	Medium	

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591	Tag Validator (/problems/tag-…	String (/tag/string) Stack (/tag/stack) Microsoft (/company/microsoft)	30.9%	Hard	
631	Design Excel Sum Formula (/… 🔓	Design (/tag/design) Microsoft (/company/microsoft)	27.8%	Hard	
794	Valid Tic-Tac-Toe State (/prob…	Math (/tag/math) Recursion (/tag/recursion) Microsoft (/company/microsoft)	27.8%	Medium	
651	4 Keys Keyboard (/problems/… 🔓	Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Greedy (/tag/greedy) Google (/company/google) Microsoft (/company/microsoft)	49.5%	Medium	
650	2 Keys Keyboard (/problems/…	Dynamic Programming (/tag/dynamic-programming) Microsoft (/company/microsoft)	44.8%	Medium	
654	Maximum Binary Tree (/probl…	Tree (/tag/tree) Microsoft (/company/microsoft)	69.7%	Medium	
672	Bulb Switcher II (/problems/b…	Math (/tag/math) Microsoft (/company/microsoft)	49.5%	Medium	
47	Permutations II (/problems/pe…	Backtracking (/tag/backtracking) Microsoft (/company/microsoft) LinkedIn (/company/linkedin)	35.0%	Medium	
213	House Robber II (/problems/h…	Dynamic Programming (/tag/dynamic-programming) Microsoft (/company/microsoft)	34.6%	Medium	

#	Title	Tags	Acceptance	Difficulty	Frequency ❓
772	Basic Calculator III (/problem… 🔓	String (/tag/string) Stack (/tag/stack) Microsoft (/company/microsoft) Pocket Gems (/company/pocket-gems) Hulu (/company/hulu) Houzz (/company/houzz) DoorDash (/company/doordash) Jingchi (/company/jingchi)	39.0%	Hard	
452	Minimum Number of Arrows t…	Greedy (/tag/greedy) Microsoft (/company/microsoft)	44.4%	Medium	