

Depth-first Search

You have solved **51 / 127** problems.

☒ Show problem tags

#	Title	Tags	Acceptance
✓ 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)	46.2%
✓ 104	Maximum Depth of Binary Tre...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Uber (/company/uber) LinkedIn (/company/linkedin) Apple (/company/apple) Yahoo (/company/yahoo)	65.3%
✓ 1192	Critical Connections in a Net...	Depth-first Search (/tag/depth-first-search) Amazon (/company/amazon)	48.7%
✓ 108	Convert Sorted Array to Binar...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Airbnb (/company/airbnb)	57.0%
✓ 301	Remove Invalid Parentheses (...)	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Facebook (/company/facebook)	42.8%
✓ 394	Decode String (/problems/de... ★	Stack (/tag/stack) Depth-first Search (/tag/depth-first-search)	49.1%

#	Title	Tags	Acceptance
		Google (/company/google)	
		Facebook (/company/facebook)	
		Yelp (/company/yelp)	
		Coupang (/company/coupang)	
✓ 100	Same Tree (/problems/same-t...	Tree (/tag/tree)	52.5%
		Depth-first Search (/tag/depth-first-search)	
		Bloomberg (/company/bloomberg)	
✓ 105	Construct Binary Tree from Pr...	Array (/tag/array) Tree (/tag/tree)	47.7%
		Depth-first Search (/tag/depth-first-search)	
		Bloomberg (/company/bloomberg)	
959	Regions Cut By Slashes (/pro...	Depth-first Search (/tag/depth-first-search)	66.1%
		Union Find (/tag/union-find) Graph (/tag/graph)	
		Uber (/company/uber)	
✓ 695	Max Area of Island (/problem...	Array (/tag/array)	61.9%
		Depth-first Search (/tag/depth-first-search)	
		Intuit (/company/intuit)	
✓ 979	Distribute Coins in Binary Tre...	Tree (/tag/tree)	68.2%
		Depth-first Search (/tag/depth-first-search)	
		Google (/company/google)	
✓ 124	Binary Tree Maximum Path S...	Tree (/tag/tree)	33.9%
		Depth-first Search (/tag/depth-first-search)	
		Microsoft (/company/microsoft)	
		Baidu (/company/baidu)	
✓ 99	Recover Binary Search Tree (/...	Tree (/tag/tree)	38.9%
		Depth-first Search (/tag/depth-first-search)	
✓ 199	Binary Tree Right Side View (/...	Tree (/tag/tree)	53.2%
		Depth-first Search (/tag/depth-first-search)	
		Breadth-first Search (/tag/breadth-first-search)	
		Amazon (/company/amazon)	
✓ 110	Balanced Binary Tree (/proble...	Tree (/tag/tree)	43.1%
		Depth-first Search (/tag/depth-first-search)	

#	Title	Tags	Acceptance
✓ 101	Symmetric Tree (/problems/s...	Bloomberg (/company/bloomberg) 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)	46.4%
✓ 114	Flatten Binary Tree to Linked ...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	48.2%
✓ 109	Convert Sorted List to Binary ...	Linked List (/tag/linked-list) Depth-first Search (/tag/depth-first-search) Zenefits (/company/zenefits)	46.7%
834	Sum of Distances in Tree (/pr...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Google (/company/google)	43.1%
✓ 116	Populating Next Right Pointer...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	44.0%
✓ 679	24 Game (/problems/24-game)	Depth-first Search (/tag/depth-first-search) Google (/company/google)	45.9%
✓ 547	Friend Circles (/problems/frie...	Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find) Bloomberg (/company/bloomberg) Two Sigma (/company/two-sigma)	57.9%
✓ 339	Nested List Weight Sum (/pro... 🔒	Depth-first Search (/tag/depth-first-search) LinkedIn (/company/linkedin)	73.1%
✓ 133	Clone Graph (/problems/clon...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search)	33.6%

#	Title	Tags	Acceptance
		Graph (/tag/graph) Google (/company/google)	
		Facebook (/company/facebook)	
		Uber (/company/uber)	
		Pocket Gems (/company/pocket-gems)	
✓ 332	Reconstruct Itinerary (/proble...	Depth-first Search (/tag/depth-first-search)	34.9%
		Graph (/tag/graph) Google (/company/google)	
✓ 257	Binary Tree Paths (/problems/...	Tree (/tag/tree)	50.6%
		Depth-first Search (/tag/depth-first-search)	
		Google (/company/google)	
		Facebook (/company/facebook)	
		Apple (/company/apple)	
546	Remove Boxes (/problems/re...	Dynamic Programming (/tag/dynamic-programming)	41.8%
		Depth-first Search (/tag/depth-first-search)	
		Tencent (/company/tencent)	
364	Nested List Weight Sum II (/p... 🔒	Depth-first Search (/tag/depth-first-search)	62.3%
		LinkedIn (/company/linkedin)	
✓ 753	Cracking the Safe (/problems...	Math (/tag/math)	50.2%
		Depth-first Search (/tag/depth-first-search)	
		Google (/company/google)	
337	House Robber III (/problems/...	Tree (/tag/tree)	50.3%
		Depth-first Search (/tag/depth-first-search)	
		Uber (/company/uber)	
980	Unique Paths III (/problems/u...	Backtracking (/tag/backtracking)	73.1%
		Depth-first Search (/tag/depth-first-search)	
		LimeBike (/company/limebike)	
✓ 112	Path Sum (/problems/path-su...	Tree (/tag/tree)	40.7%
		Depth-first Search (/tag/depth-first-search)	
		Microsoft (/company/microsoft)	
✓ 329	Longest Increasing Path in a ...	Depth-first Search (/tag/depth-first-search)	42.9%
		Topological Sort (/tag/topological-sort)	

#	Title	Tags	Acceptance
		Memoization (/tag/memoization) Google (/company/google)	
✓ 489	Robot Room Cleaner (/proble...	Depth-first Search (/tag/depth-first-search) Google (/company/google) Facebook (/company/facebook)	69.0%
✓ 207	Course Schedule (/problems/...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Graph (/tag/graph) Topological Sort (/tag/topological-sort) Uber (/company/uber) Apple (/company/apple) Zenefits (/company/zenefits) Yelp (/company/yelp)	42.5%
✓ 111	Minimum Depth of Binary Tre...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search)	37.1%
✓ 106	Construct Binary Tree from In...	Array (/tag/array) Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	44.7%
417	Pacific Atlantic Water Flow (/...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Google (/company/google)	40.5%
✓ 529	Minesweeper (/problems/min...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Amazon (/company/amazon)	58.4%
✓ 130	Surrounded Regions (/proble...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Union Find (/tag/union-find)	26.4%
✓ 947	Most Stones Removed with S...	Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find)	55.3%
638	Shopping Offers (/problems/s...	Dynamic Programming (/tag/dynamic-programming) Depth-first Search (/tag/depth-first-search)	51.1%

#	Title	Tags	Acceptance
542	01 Matrix (/problems/01-matrix)	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Google (/company/google)	39.2%
690	Employee Importance (/probl...	Hash Table (/tag/hash-table) Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Uber (/company/uber)	56.6%
✓ 863	All Nodes Distance K in Binar...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Amazon (/company/amazon)	54.4%
✓ 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)	27.5%
113	Path Sum II (/problems/path-...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Bloomberg (/company/bloomberg)	45.8%
430	Flatten a Multilevel Doubly Li...	Linked List (/tag/linked-list) Depth-first Search (/tag/depth-first-search)	51.7%
117	Populating Next Right Pointer...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg)	38.3%
494	Target Sum (/problems/target...	Dynamic Programming (/tag/dynamic-programming) Depth-first Search (/tag/depth-first-search)	46.6%

#	Title	Tags	Acceptance
		Google (/company/google)	
		Facebook (/company/facebook)	
✓ 1110	Delete Nodes And Return For...	Tree (/tag/tree)	66.4%
		Depth-first Search (/tag/depth-first-search)	
		Google (/company/google)	
897	Increasing Order Search Tree ...	Tree (/tag/tree)	69.5%
		Depth-first Search (/tag/depth-first-search)	
✓ 743	Network Delay Time (/proble...	Heap (/tag/heap)	45.2%
		Depth-first Search (/tag/depth-first-search)	
		Breadth-first Search (/tag/breadth-first-search)	
		Graph (/tag/graph)	
		Akuna Capital (/company/akuna-capital)	
749	Contain Virus (/problems/con...	Depth-first Search (/tag/depth-first-search)	44.1%
		Bloomberg (/company/bloomberg)	
✓ 210	Course Schedule II (/problem...	Depth-first Search (/tag/depth-first-search)	39.3%
		Breadth-first Search (/tag/breadth-first-search)	
		Graph (/tag/graph)	
		Topological Sort (/tag/topological-sort)	
		Facebook (/company/facebook)	
		Zenefits (/company/zenefits)	
366	Find Leaves of Binary Tree (/p... 🔒	Tree (/tag/tree)	70.1%
		Depth-first Search (/tag/depth-first-search)	
		LinkedIn (/company/linkedin)	
721	Accounts Merge (/problems/a...	Depth-first Search (/tag/depth-first-search)	47.8%
		Union Find (/tag/union-find)	
		Facebook (/company/facebook)	
664	Strange Printer (/problems/str...	Dynamic Programming (/tag/dynamic-programming)	39.8%
		Depth-first Search (/tag/depth-first-search)	
		NetEase (/company/netease)	
513	Find Bottom Left Tree Value (/...	Tree (/tag/tree)	61.0%
		Depth-first Search (/tag/depth-first-search)	

#	Title	tags	Acceptance
		Breadth-first Search (/tag/breadth-first-search) Microsoft (/company/microsoft)	
872	Leaf-Similar Trees (/problems...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search)	64.7%
✓ 472	Concatenated Words (/proble...	Dynamic Programming (/tag/dynamic-programming) Depth-first Search (/tag/depth-first-search) Trie (/tag/trie)	42.7%
924	Minimize Malware Spread (/p...	Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find) Dropbox (/company/dropbox)	41.9%
✓ 314	Binary Tree Vertical Order Tra... 🔒	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Google (/company/google) Facebook (/company/facebook) Snapchat (/company/snapchat)	44.5%
733	Flood Fill (/problems/flood-fill)	Depth-first Search (/tag/depth-first-search) Uber (/company/uber)	54.8%
129	Sum Root to Leaf Numbers (/...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search)	46.8%
515	Find Largest Value in Each Tr...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) LinkedIn (/company/linkedin)	60.6%
934	Shortest Bridge (/problems/s...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) McKinsey (/company/mckinsey)	47.0%
✓ 785	Is Graph Bipartite? (/problem...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Graph (/tag/graph) Facebook (/company/facebook)	46.9%
✓ 968	Binary Tree Cameras (/proble...	Dynamic Programming (/tag/dynamic-programming) Tree (/tag/tree)	36.8%

#	Title	Tags	Acceptance
		Depth-first Search (/tag/depth-first-search) Facebook (/company/facebook)	
971	Flip Binary Tree To Match Pre...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search)	45.1%
1236	Web Crawler (/problems/web... 🔒)	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Facebook (/company/facebook) Dropbox (/company/dropbox)	64.1%
✓ 1145	Binary Tree Coloring Game (/...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Google (/company/google)	51.1%
559	Maximum Depth of N-ary Tre...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search)	68.1%
✓ 802	Find Eventual Safe States (/pr...	Depth-first Search (/tag/depth-first-search) Graph (/tag/graph) Google (/company/google)	48.2%
778	Swim in Rising Water (/proble...	Binary Search (/tag/binary-search) Heap (/tag/heap) Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find) Google (/company/google)	52.3%
694	Number of Distinct Islands (/... 🔒)	Hash Table (/tag/hash-table) Depth-first Search (/tag/depth-first-search) Amazon (/company/amazon)	55.4%
1203	Sort Items by Groups Respec...	Depth-first Search (/tag/depth-first-search) Graph (/tag/graph) Topological Sort (/tag/topological-sort)	47.3%
490	The Maze (/problems/the-maze) 🔒)	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Google (/company/google)	51.0%
1123	Lowest Common Ancestor of...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search)	66.6%

#	Title	Tags	Acceptance
491	Increasing Subsequences (/p...	Facebook (/company/facebook) Depth-first Search (/tag/depth-first-search) Yahoo (/company/yahoo)	45.3%
1028	Recover a Tree From Preorde...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Amazon (/company/amazon)	69.7%
756	Pyramid Transition Matrix (/pr...	Bit Manipulation (/tag/bit-manipulation) Depth-first Search (/tag/depth-first-search) Google (/company/google) Airbnb (/company/airbnb)	54.3%
1302	Deepest Leaves Sum (/proble...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Google (/company/google)	83.3%
928	Minimize Malware Spread II (/...	Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find) Graph (/tag/graph) Dropbox (/company/dropbox)	40.2%
? 685	Redundant Connection II (/pr...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find) Graph (/tag/graph) Google (/company/google)	32.3%
✓ 841	Keys and Rooms (/problems/...	Depth-first Search (/tag/depth-first-search) Graph (/tag/graph) Google (/company/google)	63.7%
488	Zuma Game (/problems/zum...	Depth-first Search (/tag/depth-first-search) Baidu (/company/baidu)	40.0%
1254	Number of Closed Islands (/p...	Depth-first Search (/tag/depth-first-search) Google (/company/google)	59.8%
✓ 323	Number of Connected Comp... 🔒	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search)	55.4%

#	Title	Tags	Acceptance
		Union Find (/tag/union-find) Graph (/tag/graph)	
		Google (/company/google)	
		Twitter (/company/twitter)	
✓ 1026	Maximum Difference Between...	Tree (/tag/tree)	64.9%
		Depth-first Search (/tag/depth-first-search)	
		Amazon (/company/amazon)	
711	Number of Distinct Islands II (...)	Hash Table (/tag/hash-table)	46.9%
		Depth-first Search (/tag/depth-first-search)	
		Amazon (/company/amazon)	
✓ 261	Graph Valid Tree (/problems/...)	Depth-first Search (/tag/depth-first-search)	41.8%
		Breadth-first Search (/tag/breadth-first-search)	
		Union Find (/tag/union-find) Graph (/tag/graph)	
		Google (/company/google)	
		Facebook (/company/facebook)	
		Zenefits (/company/zenefits)	
514	Freedom Trail (/problems/free...)	Divide and Conquer (/tag/divide-and-conquer)	42.6%
		Dynamic Programming (/tag/dynamic-programming)	
		Depth-first Search (/tag/depth-first-search)	
		Google (/company/google)	
737	Sentence Similarity II (/proble...)	Depth-first Search (/tag/depth-first-search)	45.5%
		Union Find (/tag/union-find)	
		Google (/company/google)	
1315	Sum of Nodes with Even-Valu...	Tree (/tag/tree)	83.4%
		Depth-first Search (/tag/depth-first-search)	
		Amazon (/company/amazon)	
1242	Web Crawler Multithreaded (/...)	Depth-first Search (/tag/depth-first-search)	44.2%
		Breadth-first Search (/tag/breadth-first-search)	
		Facebook (/company/facebook)	
		Dropbox (/company/dropbox)	
827	Making A Large Island (/probl...)	Depth-first Search (/tag/depth-first-search)	45.1%
		Uber (/company/uber)	
473	Matchsticks to Square (/probl...)	Depth-first Search (/tag/depth-first-search)	37.3%
		Rackspace (/company/rackspace)	

#	Title	Tags	Acceptance
505	The Maze II (/problems/the-m... 🔒)	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Google (/company/google)	47.3%
439	Ternary Expression Parser (/p... 🔒)	Stack (/tag/stack) Depth-first Search (/tag/depth-first-search) Snapchat (/company/snapchat)	55.6%
✓ 1102	Path With Maximum Minimu... 🔒	Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find) Graph (/tag/graph) Amazon (/company/amazon)	49.3%
576	Out of Boundary Paths (/prob...	Dynamic Programming (/tag/dynamic-programming) Depth-first Search (/tag/depth-first-search) Baidu (/company/baidu)	34.6%
✓ 839	Similar String Groups (/proble...	Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find) Graph (/tag/graph) Google (/company/google)	38.3%
1034	Coloring A Border (/problems...	Depth-first Search (/tag/depth-first-search) Booking (/company/booking)	44.4%
1061	Lexicographically Smallest E... 🔒	Depth-first Search (/tag/depth-first-search) Union Find (/tag/union-find)	64.8%
1376	Time Needed to Inform All E...	Depth-first Search (/tag/depth-first-search) Google (/company/google)	54.1%
1020	Number of Enclaves (/proble...	Depth-first Search (/tag/depth-first-search) Google (/company/google)	57.0%
1245	Tree Diameter (/problems/tree... 🔒)	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Google (/company/google)	58.9%
886	Possible Bipartition (/problem...	Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	43.6%
988	Smallest String Starting From...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search)	45.5%

#	Title	Tags	Acceptance
1273	Delete Tree Nodes (/problems... 🔒)	Dynamic Programming (/tag/dynamic-programming) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	63.0%
1391	Check if There is a Valid Path...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Robinhood (/company/robinhood)	44.7%
851	Loud and Rich (/problems/lou...)	Depth-first Search (/tag/depth-first-search) Amazon (/company/amazon)	51.1%
499	The Maze III (/problems/the-... 🔒)	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search)	40.5%
1319	Number of Operations to Ma...	Depth-first Search (/tag/depth-first-search) Breadth-first Search (/tag/breadth-first-search) Union Find (/tag/union-find) Akuna Capital (/company/akuna-capital)	52.1%
1136	Parallel Courses (/problems/p... 🔒)	Dynamic Programming (/tag/dynamic-programming) Depth-first Search (/tag/depth-first-search) Graph (/tag/graph) Google (/company/google)	60.9%
1443	Minimum Time to Collect All ...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Facebook (/company/facebook)	56.4%
531	Lonely Pixel I (/problems/lone... 🔒)	Array (/tag/array) Depth-first Search (/tag/depth-first-search) Google (/company/google)	58.7%
1080	Insufficient Nodes in Root to ...	Depth-first Search (/tag/depth-first-search) Amazon (/company/amazon)	48.8%
533	Lonely Pixel II (/problems/lon... 🔒)	Array (/tag/array) Depth-first Search (/tag/depth-first-search) Google (/company/google)	47.5%
1339	Maximum Product of Splitted...	Dynamic Programming (/tag/dynamic-programming) Tree (/tag/tree)	36.7%

#	Title	Tags	Acceptance
		Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	
1466	Reorder Routes to Make All P...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search)	63.2%
1059	All Paths from Source Lead t... 🔒	Depth-first Search (/tag/depth-first-search) Graph (/tag/graph) Google (/company/google)	45.2%
1457	Pseudo-Palindromic Paths in ...	Bit Manipulation (/tag/bit-manipulation) Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Amazon (/company/amazon)	66.5%
1377	Frog Position After T Second...	Depth-first Search (/tag/depth-first-search) Google (/company/google)	33.2%
1448	Count Good Nodes in Binary ...	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	70.1%
1469	Find All The Lonely Nodes (/p... 🔒	Tree (/tag/tree) Depth-first Search (/tag/depth-first-search) Microsoft (/company/microsoft)	84.6%

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