花花酱 LeetCode Problem List 题目列表

Data source: link suggestions and comments are welcome（需要科学上网）

Tree（树）

Id	Name	Difficulty	Similar Problems					Comments
94	Binary Tree Inorder Traversal	★	144	145	429	589	590	traversal
			987	1302				
100	Same Tree	★★	101	104	110	111	572	
			965					
102	Binary Tree Level Order Traversal	★★	107	429	872			collecting nodes
814	Binary Tree Pruning	★★★	669	1325				
112	Path Sum	★★★	113	437				
129	Sum Root to Leaf Numbers	★★★	257					

↑

Id	Name	Difficulty		Similar Problems				Comments
236	Lowest Common Ancestor of a Binary Tree	★★★	235					
297	Serialize and Deserialize Binary Tree	★★★	449					
508	Most Frequent Subtree Sum	★★★						
124	Binary Tree Maximum Path Sum	★★★	543	687				Use both children, return one
968	Binary Tree Cameras	★★★★	337	979				

Divide and conquer（分治）

Id	Name	Difficulty		Similar Problems				Comments
169	Majority Element	★★						你知道茴香豆的茴有几种写法吗？
153	Find Minimum in Rotated Sorted Array	★★	154					
912	Sort and Array	★★★						merge sort
315	Count of Smaller Numbers After Self	★★★★						merge sort / BIT

List（链表）

Id	Name	Difficulty			Similar Problems				Comments
2	Add Two Numbers	★★	445						traversal
24	Swap Nodes in Pairs	★★							reverse
206	Reverse Linked List	★★							reverse
141	Linked List Cycle	★★	142						fast/slow
23	Merge k Sorted Lists	★★★	21						priority_queue / mergesort
147	Insertion Sort List	★★★							insertion sort
148	Sort List	★★★★							merge sort O(1) space
707	Design Linked List	★★★★							

BST（二叉搜索树）

Id	Name	Difficulty	Similar Problems					Comments
98	Validate Binary Search Tree	★★	530					inorder
700	Search in a Binary Search Tree	★★	701					binary search
230	Kth Smallest Element in a BST	★★★						inorder
99	Recover Binary Search Tree	★★★						inorder
108	Convert Sorted Array to Binary Search Tree	★★★						build BST
501	Find Mode in Binary Search Tree	★★★						inorder
450	Delete Node in a BST	★★★★						binary search

Graph（图论）

Id	Name	Difficulty	Similar Problems					Comments
133	Clone Graph	★★	138					queue + hashtable
200	Number of Islands	★★	547	695	733	827	1162	grid + connected components
841	Keys and Rooms	★★	1202					DFS, connected components

207	Course Schedule	★★★	210	802				topology sorting
399	Evaluate Division	★★★	839	952	990	721	737	union find
785	Is Graph Bipartite?	★★★	886	1042				bipartition, graph coloring
997	Find the Town Judge	★★★						in/out degrees
433	Minimum Genetic Mutation	★★★	815	863	1129	1263		unweighted shortest path / BFS
684	Redundant Connection	★★★★	685	1319				cycle, union find
743	Network Delay Time	★★★★	787	882	924	1334		weighted shortest path
847	Shortest Path Visiting All Nodes	★★★★	864	1298				BFS
332	Reconstruct Itinerary	★★★★						Eulerian path
1192	Critical Connections in a Network	★★★★						Tarjan
943	Find the Shortest Superstring	★★★★★	980	996				Hamiltonian path (DFS / DP)
959	Regions Cut By Slashes	★★★★★						union find / grid + CCs

Search (BFS/DFS)（搜索/回溯）

Id	Name	Difficulty	Similar Problems						Comments
17	Letter Combinations of a Phone Number	★★	39	40	77	78	90	216	Combination
46	Permutations	★★	47	784	943	996			Permutation
22	Generate Parentheses	★★★	301						DFS
37	Sudoku Solver	★★★	51	52					DFS
79	Word Search	★★★	212						DFS
127	Word Ladder	★★★★	126	752	818				BFS
542	01 Matrix	★★★	675	934					BFS
698	Partition to K Equal Sum Subsets	★★★	93	131	241	282	842		Partition

Binary Search（二分搜索）

Id	Name	Difficulty	Similar Problems	Comments

Id	Name	Difficulty	Similar Problems						Comments
35	Search Insert Position	★★	34	704	981				upper_bound
33	Search in Rotated Sorted Array	★★★	81	153	154	162	852		rotated / peak
69	Sqrt(x)	★★★							upper_bound
74	Search a 2D Matrix	★★★							treat 2d as 1d
875	Koko Eating Bananas	★★★	1011						guess ans and check
4	Median of Two Sorted Arrays	★★★★							
378	Kth Smallest Element in a Sorted Matrix	★★★★	668						kth + matrix
719	Find K-th Smallest Pair Distance	★★★★	786						kth + two pointers

Two Pointers（双指针）

Id	Name	Difficulty	Similar Problems						Comments
11	Container With Most Water	★★	42						
125	Valid Palindrome	★★	455						
917	Reverse Only Letters	★★	925	986	855				
167	Two Sum II – Input array is sorted	★★★	15	16					
977	Squares of a Sorted Array	★★							merge sort
992	Subarrays with K Different Integers	★★★★							

Advanced（高级）

Id	Name	Difficulty	Similar Problems					Comments
208	Implement Trie (Prefix Tree)	★★★	648	676	677	720	745	211	Trie
307	Range Sum Query – Mutable	★★★							BIT/Segment Tree
901	Online Stock Span	★★★	907	1019					monotonic stack
239	Sliding Window Maximum	★★★							monotonic queue

DP（动态规划）

Id	Name	Difficulty	Similar Problems					Comments
70	Climbing Stairs	★	746	1137				
303	Range Sum Query – Immutable	★	1218					I: O(n), S = O(n), T = O(n)
53	Maximum Subarray	★★	121					
62	Unique Paths	★★	63	64	120	174	931	I: O(mn), S = O(mn), T = O(mn)
			1210					
85	Maximal Rectangle	★★★	221	304	1277			
198	House Robber	★★★	213	309	740	790	801	I: O(n), S = O(3n), T = O(3n)
279	Perfect Squares	★★★						I: n, S = O(n), T = O(n*sqrt(n))
139	Word Break	★★★	140	818				
300	Longest Increasing Subsequence	★★★	673	1048				I: O(n), S = O(n), T = O(n^2)
96	Unique Binary Search Trees	★★★						
1105	Filling Bookcase Shelves	★★★						I: O(n) + t, S = O(n), T = O(n^2)
131	Palindrome Partitioning	★★★	89					I: O(n), S = O(2^n), T = O(2^n)
72	Edit Distance	★★★	10	44	97	115	583	I: O(m+n), S = O(mn), T = O(mn)
			712	1187	1143	1092	718	
1139	Largest 1-Bordered Square	★★★						I: O(mn), S = O(mn) T = O(mn*min(n,m))
688	Knight Probability in Chessboard	★★★	576	935				I: O(mn) + k S = O(kmn), T = O(kmn)
322	Coin Change	★★★	377	416	494	1043	1049	I: O(n) + k, S = O(n), T = O(kn)
			1220	1230	1262	1269		
813	Largest Sum of Averages	★★★★	1278	1335	410			I: O(n) + k S = O(n*k), T = O(kn^2)
1223	Dice Roll Simulation	★★★★						I: O(n) + k + p S = O(k*p), T = O(n^2kp)
312	Burst Balloons	★★★★	664	1024	1039	1140	1130	I: O(n), S = O(n^2), T = O(n^3)
741	Cherry Pickup	★★★★						I: O(n^2), S = O(n^3), T = O(n^3)

546	Remove Boxes	★★★★★					I: O(n), S = O(n^3), T = O(n^4)
943	Find the Shortest Superstring	★★★★★	980	996	1125		I: O(n) S = O(n*2^n), T = (n^2*2^n)

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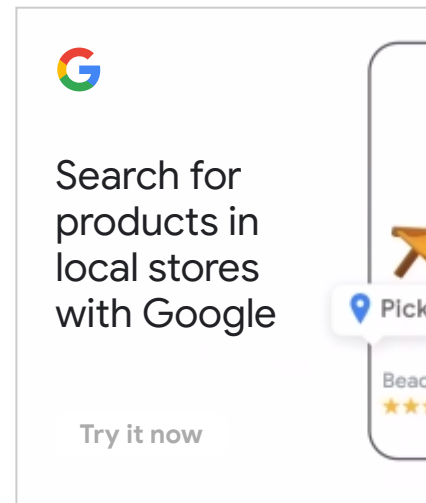
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Admin (7)

Array (111)

Bash (1)

Binary Search (42)

Bit (28)

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Priority Queue (5)

Programming Language (3)

Python (3)

Queue (4)

Randomization (1)

Recursion (10)

Search (80)

Simulation (80)

Sliding Window (13)

SP (16)

SQL (3)

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Two pointers (23)

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