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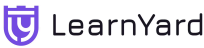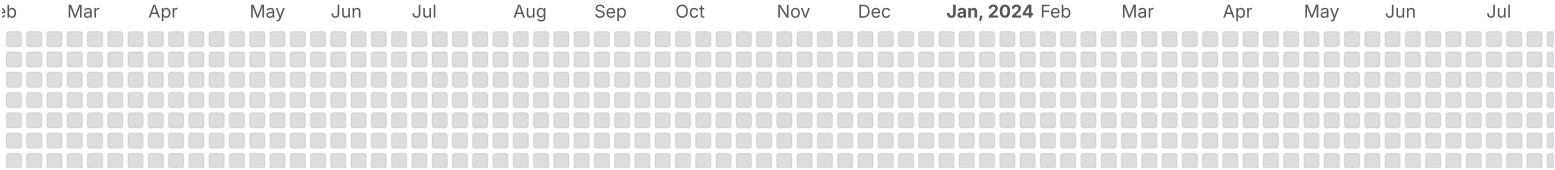
Progress

0% Total problems

Easy	0/ 36
Medium	0/ 196
Hard	0/ 81

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Sorting

⌄ Bubble Sort / Insertion Sort / Selection Sort

Problem	Difficulty	Practice	Solution
☐ Bubble Sort	Theory	NA	📖
☐ Insertion Sort Algorithm	Theory	NA	Coming Soon
☐ Selection Sort Algorithm	Theory	NA	Coming Soon

⌄ Counting Sort / Bucket Sort / Radix Sort / Cyclic Sort

Problem	Difficulty	Practice	Solution
☐ Counting Sort	Theory	NA	Coming Soon
☐ Relative Sort Array	Medium		Coming Soon
☐ Radix Sort	Theory	NA	Coming Soon
☐ Bucket Sort	Theory	NA	Coming Soon
☐ Maximum Gap	Medium		Coming Soon
☐ Contains Duplicate III	Hard		Coming Soon
☐ Custom Sort String	Medium		Coming Soon
☐ Largest Number	Medium		Coming Soon
☐ Rank Teams by Votes	Medium		Coming Soon
☐ First Missing Positive	Hard		Coming Soon

⌄ Merge Sort / Quick Sort

Problem	Difficulty	Practice	Solution
☐ Merge Sort	Theory	NA	Coming Soon
☐ Count Inversions	Medium		Coming Soon
☐ Count of Smaller Numbers After Self	Hard		Coming Soon
☐ Create Sorted Array through Instructions	Hard		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Number of Pairs Satisfying Inequality	Hard		Coming Soon
☐ Reduce Array Size to The Half	Medium		Coming Soon

2 Pointers

⌄ Two Pointer on Arrays

Problem	Difficulty	Practice	Solution
☐ Sort Array by Parity II	Easy		Coming Soon
☐ Partition Array According to Given Pivot	Medium		Coming Soon
☐ Rotate Array	Medium		Coming Soon
☐ Two Sum	Easy		Coming Soon
☐ 3Sum	Medium		Coming Soon
☐ Sort Colors	Medium		Coming Soon
☐ Next Permutation	Medium		Coming Soon

⌄ Two Pointer on Strings

Problem	Difficulty	Practice	Solution
☐ Reverse Words in a String	Medium		Coming Soon
☐ DI String Match	Easy		Coming Soon

Prefix Sum

⌄ Prefix Sum

Problem	Difficulty	Practice	Solution
☐ Range Sum Query - Immutable	Easy		Coming Soon
☐ Product of Array Except Self	Medium		Coming Soon
☐ Product of the Last K Numbers	Medium		Coming Soon
☐ Range Sum Query 2D - Immutable	Medium		Coming Soon
☐ Increment Submatrices by One	Medium		Coming Soon

⌄ Line Sweep

Problem	Difficulty	Practice	Solution
☐ Points That Intersect With Cars	Easy		Coming Soon
☐ Car Pooling	Medium		Coming Soon
☐ My Calendar II	Medium		Coming Soon
☐ Number of Flowers in Full Bloom	Hard		Coming Soon

Matrix

⌄ Matrix Transformation and Modification

Problem	Difficulty	Practice	Solution
☐ Set Matrix Zeroes	Medium		Coming Soon
☐ Transpose Matrix	Easy		Coming Soon
☐ Rotate Image	Medium		Coming Soon

⌄ Matrix Traversal and Validity Check

Problem	Difficulty	Practice	Solution
☐ Diagonal Traverse	Medium		Coming Soon
☐ Spiral Matrix	Medium		Coming Soon
☐ Valid Sudoku	Medium		Coming Soon

Hashing

⌄ Implementary Problems

Problem	Difficulty	Practice	Solution
☐ Group Anagrams	Medium		Coming Soon
☐ Majority Element	Easy		Coming Soon
☐ Majority Element II	Medium		Coming Soon

⌄ Hashing With Prefix Sum

Problem	Difficulty	Practice	Solution
☐ Subarray Sum Equals K	Medium		

Problem	Difficulty	Practice	Solution
Subarray Sums Divisible by K	Medium		Coming Soon
Count Number of Nice Subarrays	Medium		Coming Soon
Number of Submatrices That Sum to Target	Hard		Coming Soon

Sliding Window

⌄ Fixed Size Sliding-Window

Problem	Difficulty	Practice	Solution
Maximum Number of Vowels in a Substring of Given Length	Medium		Coming Soon
Number of Sub-arrays of Size K and Average Greater than or Equal to Threshold	Medium		Coming Soon
Maximum Points You Can Obtain from Cards	Medium		Coming Soon

⌄ Dynamic Size Sliding-Window

Problem	Difficulty	Practice	Solution
Longest Substring Without Repeating Characters	Medium		Coming Soon
Maximum Number of Occurrences of a Substring	Medium		Coming Soon
Subarray Product Less Than K	Medium		Coming Soon
Number of Subarrays with Bounded Maximum	Medium		Coming Soon
Count the Number of Good Subarrays	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
Minimum Operations to Reduce X to Zero	Medium		Coming Soon
Frequency of the Most Frequent Element	Medium		Coming Soon
Subarrays with K Different Integers	Hard		Coming Soon

Linked List

Linked List (Part 1)

Problem	Difficulty	Practice	Solution
Middle of the Linked List	Easy		Coming Soon
Linked List Cycle	Easy		Coming Soon
Linked List Cycle II	Medium		Coming Soon
Reverse Linked List	Easy		Coming Soon
Reverse Nodes in k-Group	Hard		Coming Soon
Add Two Numbers	Medium		Coming Soon
Copy List with Random Pointer	Medium		Coming Soon

Linked List (Part 2): Design Pattern

Problem	Difficulty	Practice	Solution
Design HashMap	Easy		Coming Soon

Problem	Difficulty	Practice	Solution
☐ LRU Cache	Medium		Coming Soon
☐ LFU Cache	Hard		Coming Soon

Stack

⌄ Parentheis / Advance Stack Problems

Problem	Difficulty	Practice	Solution
☐ Longest Valid Parentheses	Hard		Coming Soon
☐ Min Stack	Medium		Coming Soon
☐ Maximum Frequency Stack	Hard		Coming Soon
☐ Insert Intervals	Medium		Coming Soon
☐ Asteroid Collision	Medium		Coming Soon

⌄ Monotonic Stack

Problem	Difficulty	Practice	Solution
☐ Daily Temperatures	Medium		Coming Soon
☐ Sum of Subarray Minimums	Medium		Coming Soon
☐ Beautiful Towers II	Medium		Coming Soon
☐ Trapping Rain Water	Hard		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Largest Rectangle in Histogram	Hard		Coming Soon

Queue

⌄ Implementation Problems

Problem	Difficulty	Practice	Solution
☐ Implement Stack using Queues	Easy		Coming Soon
☐ Implement Queue using Stacks	Easy		Coming Soon
☐ Queue using Two Stacks	Easy		Coming Soon
☐ Design Circular Queue	Medium		Coming Soon
☐ N-Queue using Array	Hard		Coming Soon

⌄ Singly-Ended Queue

Problem	Difficulty	Practice	Solution
☐ Find the Winner of the Circular Game	Medium		Coming Soon
☐ Reveal Cards in Increasing Order	Medium		Coming Soon
☐ Stamping the Sequence	Hard		Coming Soon

⌄ Doubly-Ended Queue

Problem	Difficulty	Practice	Solution
☐ Design Circular Deque	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Sliding Window Maximum	Hard		Coming Soon

Binary Search

⌄ Upper Bound and Lower Bound

Problem	Difficulty	Practice	Solution
☐ Find First and Last Position of Element in Sorted Array	Medium		Coming Soon

⌄ Search on Matrix

Problem	Difficulty	Practice	Solution
☐ Search a 2D Matrix	Medium		Coming Soon
☐ Median in a Row-wise Sorted Matrix	Hard		Coming Soon

⌄ Missing and Repeating Number

Problem	Difficulty	Practice	Solution
☐ Single Element in a Sorted Array	Medium		Coming Soon

⌄ Binary Search on Semi-Sorted Space

Problem	Difficulty	Practice	Solution
☐ Find Peak Element	Medium		Coming Soon
☐ Find Minimum in Rotated Sorted Array	Medium		Coming Soon
☐ Peak Index in a Mountain Array	Medium		Coming Soon
☐ Search in Rotated Sorted Array	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Find Minimum in Rotated Sorted Array II	Hard		Coming Soon

⌄ Binary Search On Answer

Problem	Difficulty	Practice	Solution
☐ Sqrt(x)	Easy		Coming Soon
☐ Capacity to Ship Packages Within D Days	Medium		Coming Soon
☐ Koko Eating Bananas	Medium		Coming Soon
☐ Minimum Number of Days to Make M Bouquets	Medium		Coming Soon
☐ Maximum Value at a Given Index in a Bounded Array	Medium		Coming Soon
☐ Split Array Largest Sum	Medium		Coming Soon
☐ Median of Two Sorted Arrays	Hard		Coming Soon

⌄ Minmax Problems

Problem	Difficulty	Practice	Solution
☐ Maximum Tastiness of Candy Basket	Medium		Coming Soon
☐ Maximize the Minimum Powered City	Hard		Coming Soon

⌄ Finding the K-th Element

Problem	Difficulty	Practice	Solution
☐ Kth Smallest Number in Multiplication Table	Hard		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Kth Smallest Product of Two Sorted Arrays	Hard		Coming Soon

Bit Manipulation

⌄ Bitwise XOR operator

Problem	Difficulty	Practice	Solution
☐ Single Number III	Medium		Coming Soon
☐ Swap Two Numbers (with Temp Variable)	Easy		Coming Soon
☐ Maximum XOR Product	Medium		Coming Soon
☐ Find Longest Awesome Substring	Hard		Coming Soon

⌄ Bitwise OR operator

Problem	Difficulty	Practice	Solution
☐ Shortest Subarray with OR at Least K	Medium		Coming Soon

⌄ Bitwise AND operator

Problem	Difficulty	Practice	Solution
☐ Bitwise AND of Numbers Range	Medium		Coming Soon

Recursion & Backtracking

⌄ Recursion Problems

Problem	Difficulty	Practice	Solution
☐ Sort a Stack	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Tower of Hanoi	Medium		Coming Soon
☐ Integer to English Words	Hard		Coming Soon

⌄ Permutation Problems

Problem	Difficulty	Practice	Solution
☐ Permutations	Medium		Coming Soon
☐ Beautiful Arrangement	Medium		Coming Soon

⌄ Combination Problems

Problem	Difficulty	Practice	Solution
☐ Combinations	Medium		Coming Soon
☐ Letter Combinations of a Phone Number	Medium		Coming Soon
☐ Combination Sum II	Medium		Coming Soon
☐ N-Queens	Hard		Coming Soon

⌄ Subsets Problems

Problem	Difficulty	Practice	Solution
☐ Subsets	Medium		Coming Soon
☐ Subsets II	Medium		Coming Soon

⌄ Path on Grid Problems

Problem	Difficulty	Practice	Solution
☐ Rat in a Maze Problem	Medium		Coming Soon
☐ Sudoku Solver	Hard		Coming Soon

Binary Tree

⌄ Traversals

Problem	Difficulty	Practice	Solution
☐ Binary Tree Preorder Traversal	Easy		Coming Soon
☐ Preorder, Postorder, Inorder in a single traverse	Easy		Coming Soon

⌄ Properties of trees

Problem	Difficulty	Practice	Solution
☐ Balanced Binary Tree	Easy		Coming Soon
☐ Maximum Depth of Binary Tree	Easy		Coming Soon
☐ Diameter of Binary Tree	Easy		Coming Soon

⌄ Construction of Tree

Problem	Difficulty	Practice	Solution
☐ Construct Binary Tree from Preorder and Inorder Traversal	Medium		Coming Soon
☐ Construct Binary Tree from Preorder and Postorder Traversal	Medium		Coming Soon

⌄ Two tree Validation

Problem	Difficulty	Practice	Solution
☐ Subtree of Another Tree	Easy		Coming Soon

⌄ Level Order Traversal

Problem	Difficulty	Practice	Solution
☐ Binary Tree Level Order Traversal	Medium		Coming Soon
☐ Binary Tree Right Side View	Easy		Coming Soon
☐ Top View of Binary Tree	Medium		Coming Soon
☐ Vertical Order Traversal of a Binary Tree	Hard		Coming Soon
☐ Serialize and Deserialize Binary Tree	Hard		Coming Soon
☐ All Nodes Distance K in Binary Tree	Medium		Coming Soon
☐ Burning Tree	Hard		Coming Soon
☐ Populating Next Right Pointers in Each Node	Medium		Coming Soon

⌄ Binary Tree Path

Problem	Difficulty	Practice	Solution
☐ Path Sum II	Medium		Coming Soon
☐ Binary Tree Maximum Path Sum	Hard		Coming Soon
☐ Path Sum III	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Lowest Common Ancestor of a Binary Tree	Medium		Coming Soon

N-ary Tree

Problem	Difficulty	Practice	Solution
☐ N-ary Tree Postorder Traversal	Easy		Coming Soon
☐ Maximum Depth of N-ary Tree	Easy		Coming Soon

Heap (Priority Queue)

Implementary Questions

Problem	Difficulty	Practice	Solution
☐ Task Scheduler	Medium		Coming Soon
☐ Total Cost to Hire K Workers	Medium		Coming Soon
☐ Maximum Number of Events That Can Be Attended	Medium		Coming Soon
☐ The Skyline Problem	Hard		Coming Soon

Kth Pattern Problems

Problem	Difficulty	Practice	Solution
☐ Kth Largest Element in a Stream	Easy		Coming Soon
☐ K Closest Points to Origin	Medium		Coming Soon
☐ Find K Closest Elements	Medium		Coming Soon

Minimize Operations

Problem	Difficulty	Practice	Solution
☐ The Number of the Smallest Unoccupied Chair	Medium		Coming Soon
☐ Minimum Cost to Hire K Workers	Hard		Coming Soon

⌄ Merge K Sorted Patterns

Problem	Difficulty	Practice	Solution
☐ Find K Pairs with Smallest Sums	Hard		Coming Soon
☐ Merge K Sorted Arrays	Medium		Coming Soon

⌄ Two Heap Pattern

Problem	Difficulty	Practice	Solution
☐ Find Median from Data Stream	Hard		Coming Soon
☐ Meeting Rooms III	Hard		Coming Soon

Greedy

⌄ Part I

Problem	Difficulty	Practice	Solution
☐ Jump Game II	Medium		Coming Soon
☐ Minimize Maximum of Array	Medium		Coming Soon
☐ Minimum Platforms	Medium		Coming Soon
☐ Fractional Knapsack	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Job Sequencing Problem	Medium		Coming Soon
☐ Non-Overlapping Intervals	Medium		Coming Soon
☐ Task Scheduler	Medium		Coming Soon
☐ Minimum Swaps to Make Strings Equal	Medium		Coming Soon

⌄ Part II

Problem	Difficulty	Practice	Solution
☐ Patching Array	Hard		Coming Soon
☐ Candy	Hard		Coming Soon
☐ Gas Station	Medium		Coming Soon

Dynamic Programming Level 1

⌄ Linear DP

Problem	Difficulty	Practice	Solution
☐ Min Cost Climbing Stairs	Easy		Coming Soon
☐ House Robber	Medium		Coming Soon
☐ Coin Change	Medium		Coming Soon
☐ Best Time to Buy and Sell Stock	Easy		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Maximum Total Damage With Spell Casting	Medium		Coming Soon

⌄ 2 Dimensional DP

Problem	Difficulty	Practice	Solution
☐ Coin Change II	Medium		Coming Soon
☐ Partition Equal Subset Sum	Medium		Coming Soon
☐ Longest Arithmetic Subsequence	Medium		Coming Soon
☐ Frog Jump	Hard		Coming Soon
☐ Best Time to Buy and Sell Stock IV	Hard		Coming Soon
☐ Best Time to Buy and Sell Stock with Transaction Fee	Medium		Coming Soon
☐ Best Time to Buy and Sell Stock with Cooldown	Medium		Coming Soon

⌄ DP On Grid

Problem	Difficulty	Practice	Solution
☐ Geek's Training	Medium		Coming Soon
☐ Unique Paths II	Medium		Coming Soon
☐ Minimum Path Sum	Medium		Coming Soon
☐ Maximum Difference Score in a Grid	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Cherry Pickup	Hard		Coming Soon
☐ Number of Paths with Max Score	Hard		Coming Soon
☐ Minimum Falling Path Sum II	Hard		Coming Soon

⌄ Knapsack DP

Problem	Difficulty	Practice	Solution
☐ Knapsack - 1	Medium		Coming Soon
☐ Knapsack - 2	Medium		Coming Soon
☐ Target Sum	Medium		Coming Soon
☐ Shopping Offers	Medium		Coming Soon
☐ Last Stone Weight II	Medium		Coming Soon
☐ Rod Cutting	Medium		Coming Soon
☐ Profitable Schemes	Hard		Coming Soon

⌄ Longest Increasing Subsequence

Problem	Difficulty	Practice	Solution
☐ Longest Increasing Subsequence	Medium		Coming Soon
☐ Printing Longest Increasing Subsequence	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Number of Longest Increasing Subsequence	Medium		Coming Soon
☐ Largest Divisible Subset	Medium		Coming Soon
☐ Maximum Height by Stacking Cuboids	Hard		Coming Soon

⌄ Longest Common Subsequence

Problem	Difficulty	Practice	Solution
☐ Longest Common Subsequence	Medium		Coming Soon
☐ Print all LCS sequences	Hard		Coming Soon
☐ Longest Palindromic Subsequence	Medium		Coming Soon
☐ Edit Distance	Medium		Coming Soon
☐ Wildcard Matching	Hard		Coming Soon
☐ Shortest Common Supersequence	Hard		Coming Soon
☐ Minimum Insertion Steps to Make a String Palindrome	Hard		Coming Soon

⌄ DP on String

Problem	Difficulty	Practice	Solution
☐ Word Break	Medium		Coming Soon
☐ Distinct Subsequences	Hard		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Word Break II	Hard		Coming Soon

⌄ Cummulative Sum

Problem	Difficulty	Practice	Solution
☐ Maximal Square	Medium		Coming Soon
☐ Count Square Submatrices with All Ones	Medium		Coming Soon
☐ Maximal Rectangle	Hard		Coming Soon
☐ Number of Submatrices That Sum to Target	Hard		Coming Soon

⌄ Matrix Chain Multiplication

Problem	Difficulty	Practice	Solution
☐ Matrix Chain Multiplication	Hard	⌘	Coming Soon
☐ Burst Balloons	Hard		Coming Soon
☐ Minimum Score Triangulation of Polygon	Medium		Coming Soon
☐ Partition Array for Maximum Sum	Medium		Coming Soon
☐ Palindrome Partitioning II	Hard		Coming Soon
☐ Strange Printer	Hard		Coming Soon

⌄ Kadane Algo

Problem	Difficulty	Practice	Solution
Maximum Subarray	Medium		Coming Soon
Maximum Product Subarray	Medium		Coming Soon
Maximum Subarray Sum with One Deletion	Medium		Coming Soon
Length of Longest Fibonacci Subsequence	Medium		Coming Soon

Graphs

▾ DFS and BFS on Graphs

Problem	Difficulty	Practice	Solution
Keys and Rooms	Medium		Coming Soon
Number of Provinces	Medium		Coming Soon
Reorder Routes to Make All Paths Lead to the City Zero	Medium		Coming Soon
Round Trip	Medium		Coming Soon
Word Ladder	Hard		Coming Soon
Valid BFS?	Hard		Coming Soon
Minimum Number of Operations to Make X and Y Equal	Medium		Coming Soon
Clone Graph	Medium		Coming Soon

▾ Cycle Detection

Problem	Difficulty	Practice	Solution
☐ Detect Cycle in an Undirected Graph (GeeksforGeeks)	Medium	⌘	Coming Soon
☐ Detect Cycle in a Directed Graph (GeeksforGeeks)	Medium	⌘	Coming Soon
☐ Check if a Graph Has a Cycle of Odd Length	Medium		Coming Soon
☐ Detect Cycles in 2D Grid	Medium		Coming Soon
☐ Shortest Cycle in a Graph	Hard		Coming Soon
☐ Is Graph Bipartite?	Medium		Coming Soon

⌄ Topological Sort

Problem	Difficulty	Practice	Solution
☐ Course Schedule II	Medium		Coming Soon
☐ Find Eventual Safe States	Medium		Coming Soon
☐ All Ancestors of a Node in a Directed Acyclic Graph	Medium		Coming Soon
☐ Alien Dictionary	Hard	⌘	Coming Soon
☐ Largest Color Value in a Directed Graph	Hard		Coming Soon
☐ Parallel Courses III	Hard		Coming Soon

⌄ Flood Fill

Problem	Difficulty	Practice	Solution
☐ Flood Fill	Easy		Coming Soon
☐ Number of Islands	Medium		Coming Soon
☐ Count Sub Islands	Medium		Coming Soon
☐ Find All Groups of Farmland	Medium		Coming Soon

⌄ Multi Source BFS

Problem	Difficulty	Practice	Solution
☐ Rotting Oranges	Medium		Coming Soon
☐ Number of Enclaves	Medium		Coming Soon
☐ Surrounded Regions	Medium		Coming Soon
☐ Number of Closed Islands	Medium		Coming Soon
☐ 01 Matrix	Medium		Coming Soon

⌄ Dijsktra Algorithm

Problem	Difficulty	Practice	Solution
☐ Shortest Route I	Medium		Coming Soon
☐ Dijkstra?	Medium		Coming Soon
☐ Network Delay Time	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Number of Ways to Arrive at Destination	Medium		Coming Soon
☐ Minimum Cost to Make at Least One Valid Path in a Grid	Hard		Coming Soon
☐ Shortest Path in Binary Matrix	Medium		Coming Soon
☐ Second Minimum Time to Reach Destination	Hard		Coming Soon

⌄ Bellman Ford

Problem	Difficulty	Practice	Solution
☐ High Score	Medium		Coming Soon
☐ Bus Routes	Hard		Coming Soon

⌄ Floyd Warshall

Problem	Difficulty	Practice	Solution
☐ Find the City With the Smallest Number of Neighbors at a Threshold Distance	Medium		Coming Soon
☐ Minimum Cost to Convert String I	Medium		Coming Soon
☐ Number of Possible Sets of Closing Branches	Hard		Coming Soon

⌄ Disjoint Set Union

Problem	Difficulty	Practice	Solution
☐ Accounts Merge	Medium		Coming Soon
☐ Find Latest Group of Size M	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
GCD Sort of an Array	Hard		Coming Soon
Checking Existence of Edge Length Limited Paths	Hard		Coming Soon

Minimum Spanning Tree

Problem	Difficulty	Practice	Solution
Prim's Minimum Spanning Tree (MST) – Greedy Algorithm	Theory		Coming Soon
Kruskal's Minimum Spanning Tree Algorithm – Greedy Algorithm	Theory		Coming Soon
Water Connection Problem	Hard		Coming Soon
Find Critical and Pseudo-Critical Edges in Minimum Spanning Tree	Hard		Coming Soon

Additional Graph Algorithm

Problem	Difficulty	Practice	Solution
Articulation Points (or Cut Vertices) in a Graph	Theory		Coming Soon
Strongly Connected Components	Theory		Coming Soon
Critical Connections in a Network	Medium		Coming Soon

Dynamic Programming Level 2

DP with Bitmask

Problem	Difficulty	Practice	Solution
Partition to K Equal Sum Subsets	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Maximum Students Taking Exam	Hard		Coming Soon
☐ https://www.codechef.com/problems/TSHIRTS	Hard		Coming Soon

⌄ DP on Trees

Problem	Difficulty	Practice	Solution
☐ House Robber III	Medium		Coming Soon
☐ Sum of Distances in Tree	Hard		Coming Soon
☐ Time Taken to Mark All Nodes	Hard		Coming Soon

Advance algorithm

⌄ Tries

Problem	Difficulty	Practice	Solution
☐ Implement Trie (Prefix Tree)	Medium		Coming Soon
☐ Trie Delete	Hard		Coming Soon
☐ Design Add and Search Words Data Structure	Medium		Coming Soon
☐ Maximum XOR of Two Numbers in an Array	Hard		Coming Soon
☐ Word Break	Medium		Coming Soon

⌄ String Matching

Problem	Difficulty	Practice	Solution
☐ KMP Algorithm for Pattern Searching	Theory		Coming Soon
☐ Rabin-Karp Algorithm for Pattern Searching	Theory		Coming Soon
☐ Z Algorithm (Linear-Time Pattern Searching Algorithm)	Theory		Coming Soon
☐ Find Substring with Given Hash Value	Hard		Coming Soon
☐ Longest Happy Prefix	Hard		Coming Soon

Binary Search Tree

Basic Operations

Problem	Difficulty	Practice	Solution
☐ Search in a Binary Search Tree	Easy		Coming Soon
☐ Insert into a Binary Search Tree	Medium		Coming Soon
☐ Delete Node in a BST	Medium		Coming Soon

Construction of BST

Problem	Difficulty	Practice	Solution
☐ Convert Sorted Array to Binary Search Tree	Easy		Coming Soon
☐ Convert Sorted List to Binary Search Tree	Medium		Coming Soon
☐ Convert BST to Greater Tree	Medium		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Trim a Binary Search Tree	Medium		Coming Soon
☐ Serialize and Deserialize BST	Medium		Coming Soon
☐ Construct Binary Search Tree from Preorder Traversal	Medium		Coming Soon
☐ Construct BST from Postorder	Medium		Coming Soon
☐ Balance a Binary Search Tree	Medium		Coming Soon
☐ Binary Search Tree to Greater Sum Tree	Medium		Coming Soon

⌄ Validation and Property

Problem	Difficulty	Practice	Solution
☐ Find Mode in Binary Search Tree	Easy		Coming Soon
☐ Range Sum of BST	Easy		Coming Soon
☐ Validate Binary Search Tree	Medium		Coming Soon
☐ Minimum Distance Between BST Nodes	Easy		Coming Soon
☐ Kth Smallest Element in a BST	Medium		Coming Soon
☐ Increasing Order Search Tree	Easy		Coming Soon
☐ Two Sum IV - Input is a BST	Easy		Coming Soon

Problem	Difficulty	Practice	Solution
☐ Maximum Sum BST in Binary Tree	Hard		Coming Soon
☐ Find Common Nodes in two BSTs	Medium		Coming Soon
☐ All Elements in Two Binary Search Trees	Medium		Coming Soon
☐ Unique Binary Search Trees	Medium		Coming Soon
☐ Recover Binary Search Tree	Medium		Coming Soon
☐ Number of Ways to Reorder Array to Get Same BST	Hard		Coming Soon
☐ Binary Search Tree Iterator	Medium		Coming Soon
☐ Lowest Common Ancestor of a Binary Search Tree	Medium		Coming Soon
☐ Closest Nodes Queries in a Binary Search Tree	Medium		Coming Soon

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