

1. Basic Implementation 15

Link : <https://oj.masaischool.com/contest/144>

Password : `firstwarmupcontest`

2. Basic Implementation 2 53

Link : <https://oj.masaischool.com/contest/176>

Password : `icontest2`

3. Stacks & Queues 8

Link : <https://oj.masaischool.com/contest/208>

Password : `stacksandqueues`

4. Binary Search 24

Link : <https://oj.masaischool.com/contest/355>

Password : `24788`

1. Wood Cutter
2. Everything related to Binary Search
3. Discover number
4. Minimum in sorted & rotated array
5. Minimum Router range
6. Restaurants during pandemic
7. Machines at work
8. Coding Practice time
9. Search in sorted & rotated array

5. Greedy 22

Link : <https://oj.masaischool.com/contest/396>

Password : `13340`

1. Manage stacks of bricks
2. Addition, Subtraction and its Cost
3. Marathon
4. Lifeboats (attempt it, we will have a discussion on it as well)
5. Perform Swapping and Sorting
6. Maximum Sum & Permutation

7. Hostel & Warden
8. Steal as much as you can
9. Manage Bricks

6. Recursion 28

Link : <https://oj.masaischool.com/contest/436>

Password : 93320

1. Number of ways problems
2. Similar texts - V0
3. 2D Array and Phrase returns
4. Generate all subsequence
5. Solve it, Provide GUI, Put on resume
6. N Queens Variant
7. Generate Permutations
8. Easy but recursion
9. Mr Robot - Elliot
10. Follow The Knight

7. Dynamic Programming 31

Link : <https://oj.masaischool.com/contest/469>

Password : 24465

1. Fibonacci Returns Again
2. Masai Monetary System
3. Similar texts (LCS- longest common subsequence)
4. 91 springboard
5. Party or not question returns back (Subset sum problem)
6. Height of trees (LIS - longest increasing subsequence)
7. Koramangala to BTM (Minimum jump to reach end)
8. Again an Optimization Problem (0/1 Knapsack)
9. Unique ways of Coin Change (Coin change)
10. Money and Shopping
11. Arrange discs
12. A question on Palindrome! Again! (Longest palindromic subsequence)
13. Different ways as a Sum
14. The question with immense practical application (Minimum Edit Distance / Levenshtein distance)
15. Maximal rectangle in a binary matrix

8. Graphs 20

Link : <https://oj.masaischool.com/contest/528>

Password : 112712

Adjacency List - ArrayList of Array List [Graph Representation using Java ArrayList](#)

Adjacency List - HashMap of HashSet

<https://oj.masaischool.com/status/a7541765cafb16c1c569630d35c35b8c>

1. No google maps in bangalore!
2. College Event and the CR
3. Return to Origin
4. Bipartite graph
5. Emergency and Hospitals
6. Drugs and DEA
7. Bangalore and its traffic!
8. The shortest path
9. Detect Cycle in a Directed Graph
10. Arrival & Departure

9. Binary Tree & BST 30

Link <https://oj.masaischool.com/contest/547>

Password : 24871

1. 3 traversals - preorder, inorder, postorder
2. Level order traversal
3. Top View of Binary Tree
4. Right view of binary tree
5. Finding the tree
6. Depth of a binary tree
7. Diameter of a binary tree
8. Mirror image of a binary tree
9. Path sum
10. Symmetric Binary Tree
11. Binary Tree Paths
12. K distance from a given node
13. Insert Node in BST
14. Delete Node from BST

- 15. Validate a Binary Search Tree
- 16. Lowest Common Ancestor
- 17. Largest BST

10. Linked list contest: 14

Link - <https://oj.masaischool.com/contest/683>

Password - 95350

11. Heaps & Priority Queues 10

Link : <https://oj.masaischool.com/contest/715>

Password : 95320