

Nishant Bhaiya's 151

REMEMBER

Nothing worth having comes easy!

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Serial	Problem Name	Done?	Comments / Hints for the Problem			
	Arrays					
1	Rotate Array	.				
2	Squares of a sorted array	.				
3	Kadane's Algo	.				
4	maximum product subarray	.				
5	majority element	.				
6	majority element 2	.				
7	Next Greater Element III	.				
8	Max chunks to make sorted	.				
9	Max Chunks To Make Sorted II	.				
10	number of subarrays with bounded maximum	.				
11	First missing positive	.				
12	Range Addition	.				
13	Min No. of Platform	.				
14	Trapping rain water	.				
	Two Pointers					
15	Container With Most Water	.				
16	Two Sum	.				
17	Two Difference	.				
	Recursion and BackTracking					
18	Permutations	.				
19	Permutation Sequence	.				
20	Combination Sum	.				
21	Cmbination Sum 2	.				
22	Letter combination of Phone number	.				
23	N Queens	.				
24	Rat in a Maze Path	.				
	Bit Manipulation					
25	Single Element	.				
26	Single Element 2	.				
27	Single Number 3	.				
28	Divide 2 Integers	.				
29	Max AND Pair	.				
	HashMap					
30	Check AP sequence	.				
31	Grid illumination	.				
32	Brick wall	.				
33	Count of subarray with sum = k	.				
34	Subarray sum divisible by K	.				
35	Insert Delete GetRandom O(1)	.				
36	Insert delete get random duplicates allowed	.				
37	Longest consecutive sequence	.				
38	Find all anagrams in a string	.				
39	Find smallest size of string containing all char of other	.				
40	Write hashmap	.				
41	subarray with equal number of 0 and 1	.				
42	Substring with equal 0 1 and 2	.				
	Heap					
43	Kth Largest Element	.				
44	Minimum number of refueling spots	.				
45	minimum cost to connect sticks	.				
46	Employee Free time	.				
47	Find Median from Data Stream	.				
	Binary Search					
48	capacity to ship within D days	.				
49	Painter's partition problem	.				
50	search in rotated sorted array	.				
51	Search in rotated sorted array 2	.				
52	Allocate books	.				
53	median of two sorted array	.				

	LinkedList						
54	reverse LinkedList	.					
55	Find the middle element	.					
56	Floyd cycle	.					
57	Clone a linkedlist	.					
58	Intersection point of 2 linked list	.					
59	LRU Cache	.					
	Stacks and Queues						
60	Next Greater Element	.					
61	Largest Rectangular Area Histogram	.					
62	maximu size binary matrix containing 1	.					
63	Valid Parentheses	.					
64	Min Stack	.					
65	K stacks in a single array	.					
66	Infix evaluation	.					
67	K reverse in a queue	.					
68	K queue	.					
	TREES						
69	Preorder Traversal	.					
70	Inorder Traversal	.					
71	Postorder Traversal	.					
72	right side view	.					
73	Left View	.					
74	Top View	.					
75	Bottom View	.					
76	Vertical order	.					
77	Diagonal Traversal	.					
78	Boundary Traversal	.					
79	Binary Tree Cameras	.					
80	Max path sum	.					
81	Delete node in bst	.					
82	Construct from inorder and preorder	.					
83	Next right pointer in each node	.					
84	Convert a binary tree to circular doubly linked list	.					
85	Conversion of sorted DLL to BST	.					
86	Lowest common ancestor	.					
87	serialize and deserialise	.					
	Trie						
88	Implement Trie	.					
89	Max XOR of two numbers in an array	.					
90	Maximum XOR with an element from Array	.					
	DP						
91	longest increasing subsequence	.					
92	longest increasing subsequence	.					
93	building bridges	.					
94	Russian doll envelopes	.					
95	Box stacking	.					
96	Paint house	.					
97	No. of binary string without consecutive 1	.					
98	Possible ways to construct the building	.					
99	Total no. of bst	.					
100	No. of balanced parentheses sequence	.					
101	Min cost path	.					
102	Cherry pickup	.					
103	Cherry pickup 2	.					
104	best time to buy and sell stock	.					
105	best time to buy and sell 2	.					
106	buy and sell with transaction fee	.					
107	best time to buy and sell with cool down	.					
108	best time to buy and sell 3	.					
109	best time to but and sell 4	.					
110	burst balloons	.					
111	Optimal BST	.					
112	Matrix chain multiplication	.					
113	Longest common subsequence	.					
114	Count all pallindromic subsequence	.					
115	Count distinct pallindromic subsequence	.					
116	No. of sequence of type aⁱ+b^j+c^k	.					

117	2 egg 100 floor	.				
118	egg drop	.				
119	Regular Expression Matching	.				
120	Palindrome partitioning	.				
121	Frog jump	.				
122	Edit Distance	.				
123	0-1 Knapsack	.				
124	unbounded knapsack	.				
125	Fractional knapsack	.				
126	Coin change combination	.				
127	Coin change permutation	.				
	GRAPHS					
128	Number of Islands	.				
129	Number of Distinct Islands	.				
130	Rotting Oranges	.				
131	Bipartite graph	.				
132	Bus routes	.				
133	Prim's Algo	.				
134	Dijkstra algo	.				
135	swim in rising water	.				
136	0-1 matrix	.				
137	bellman ford	.				
138	Strongly Connected Components (Kosaraju's Algo)	.				
139	Mother Vertex	.				
140	Kahn's algo	.				
141	Alien Dictionary	.				
142	Number of Islands II	.				
143	Regions Cut By Slashes	.				
144	Sentence Similarity II	.				
145	Redundant Connection	.				
146	Redundant connection 2	.				
147	Articulation point	.				
148	Min swaps required to sort array	.				
149	Sliding Puzzle	.				
150	Floyd Warshall	.				
151	remove max number of edges to keep graph traversal	.				