

Nishant Bhaiya's 151

REMEMBER

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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 $a^i+b^j+c^k$.					
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	.	