

Nishant Bhaiya's 151

	REMEMBER						● Checkout AlgoPrep: https://bit.ly/AlgoPrep
	Nothing worth having comes easy!						● Join the AlgoPrep Community: https://bit.ly/AlgoPrepCommunity
							■ How to make most of this sheet?: https://bit.ly/WhatsAlgoPrep151
Serial	Problem Name	Done?	Comments / Hints for the Problem				
	Arrays						
1	Rotate Array	<input type="text"/>					
2	Squares of a sorted array	<input type="text"/>					
3	Kadane's Algo	<input type="text"/>					
4	maximum product subarray	<input type="text"/>					
5	majority element	<input type="text"/>					
6	majority element 2	<input type="text"/>					
7	Next Greater Element III	<input type="text"/>					
8	Max chunks to make sorted	<input type="text"/>					
9	Max Chunks To Make Sorted II	<input type="text"/>					
10	number of subarrays with bounded maximum	<input type="text"/>					
11	First missing positive	<input type="text"/>					
12	Range Addition	<input type="text"/>					
13	Min No. of Platform	<input type="text"/>					
14	Trapping rain water	<input type="text"/>					
	Two Pointers						
15	Container With Most Water	<input type="text"/>					
16	Two Sum	<input type="text"/>					
17	Two Difference	<input type="text"/>					
	Recursion and BackTracking						
18	Permutations	<input type="text"/>					
19	Permutation Sequence	<input type="text"/>					
20	Combination Sum	<input type="text"/>					
21	Combination Sum 2	<input type="text"/>					

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		