Up to date (2016-08-22), there are **289** problems on LintCode Online Judge. The number of problems is increasing recently. Here is the classification of all **289** problems. For more problems and solutions, you can see my LeetCode repository. I'll keep updating for full summary and better solutions. Stay tuned for updates.

Algorithms

- Bit Manipulation

- Array

- String

- Linked List

- Math

- Tree

- Stack

- Queue

- Heap

- Hash Tables

- Data Structure

- Sort

- Recursion

- Binary Search

- Breadth-First Search

- Depth-First Search

- Backtracking

- Binary Search Trees

- Dynamic Programming

- Greedy

- OO Design

- System Design

Bit Manipulation

#	Title	Time	Space	Difficulty	Tag	Note
1	A + B Problem	O(1)	O(1)	Medium		
82	Single Number	O(n)	O(1)	Easy	LeetCode	
83	Single Number II	O(n)	O(1)	Easy	LeetCode	

#	Title	Time	Space	Difficulty	Tag	Note
84	Single Number III	O(n)	O(1)	Medium	CTCI	
142	O(1) Check Power of 2	O(1)	O(1)	Easy		
179	Update Bits	O(1)	O(1)	Medium	CTCI	
181	Flip Bits	O(1)	O(1)	Easy	CTCI	
196	Find the Missing Number	O(n)	O(1)	Medium		
365	Count 1 in Binary	O(1)	O(1)	Easy	CTCI	

Array

#	Title	Time	Space	Difficulty	Tag	Note
6	Merge Sorted Array	O(m + n)	O(1)	Easy	LeetCode	Two Pointers
8	Rotate String	O(n)	O(1)	Easy	LeetCode	
9	Fizz Buzz	O(n)	O(1)	Easy		
30	Insert Interval	O(n)	O(1)	Easy	LeetCode, EPI	
31	Partition Array	O(n)	O(1)	Medium		Two Pointers
32	Minimum Window Substring	O(n)	O(1)	Medium	LeetCode	
38	Search a 2D Matrix II	O(m + n)	O(1)	Medium	EPI	
39	Recover Rotated Sorted Array	O(n)	O(1)	Easy		
46	Majority Number	O(n)	O(1)	Easy	LeetCode	
47	Majority Number II	O(n)	O(1)	Medium	EPI	
48	Majority Number III	O(n)	O(k)	Medium	EPI	
49	Sort Letters by Case	O(n)	O(1)	Medium		Two Pointers
50	Product of Array Exclude Itself	O(n)	O(1)	Easy		
51	Previous Permutation	O(n)	O(1)	Medium		
52	Next Permutation	O(n)	O(1)	Medium	LeetCode	
57	3 Sum	O(n^2)	O(1)	Medium	LeetCode	Two Pointers, Sort
58	4 Sum	O(n^3)	O(1)	Medium	LeetCode	Hash
59	3 Sum Closest	O(n^2)	O(1)	Medium	LeetCode	Two Pointers, Sort
64	Merge Sorted Array II	O(m + n)	O(1)	Easy	LeetCode	Two Pointers
100	Remove Duplicates from Sorted Array	O(n)	O(1)	Easy	LeetCode	Two Pointers
101	Remove Duplicates from Sorted Array II	O(n)	O(1)	Easy	LeetCode	Two Pointers
133	Longest Words	O(n)	O(n)	Easy		
144	Interleaving Positive and Negative Numbers	O(n)	O(1)	Medium		Two Pointers
161	Rotate Image	O(n^2)	O(1)	Medium	LeetCode	

#	Title	Time	Space	Difficulty	Tag	Note
162	Set Matrix Zeroes	O(m * n)	O(1)	Medium	LeetCode	
172	Remove Element	O(n)	O(1)	Easy	LeetCode	Two Pointers
185	Matrix Zigzag Traversal	O(m * n)	O(1)	Easy		
189	First Missing Positive	O(n)	O(1)	Easy	LeetCode, EPI	Hash
190	Next Permutation II	O(n)	O(1)	Medium	LeetCode	
200	Longest Palindromic Substring	O(n)	O(n)	Medium	LeetCode	`Manacher's Algorithm`
363	Trapping Rain Water	O(n)	O(1)	Medium	LeetCode	Two Pointers, Tricky
373	Partition Array by Odd and Even	O(n)	O(1)	Easy		Two Pointers
374	Spiral Matrix	O(m * n)	O(1)	Medium	LeetCode	
381	Spiral Matrix II	O(n^2)	O(1)	Medium	LeetCode	
382	Triangle Count	O(n^2)	O(1)	Medium		Two Pointers
383	Container With Most Water	O(n)	O(1)	Medium	LeetCode, EPI	Two Pointers
388	Permutation Sequence	O(n^2)	O(n)	Medium	LeetCode	
389	Valid Sudoku	O(9^2)	O(9)	Easy	LeetCode	
404	Subarray Sum II	O(nlogn)	O(n)	Hard		Two Pointers, Binary Search
405	Submatrix Sum	O(m * n^2)	O(m)	Hard		Hash
406	Minimum Size Subarray Sum	O(n)	O(1)	Medium	LeetCode	Two Pointers, Binary Search
539	Move Zeroes	O(n)	O(1)	Easy	LeetCode	Two Pointers

String

#	Title	Time	Space	Difficulty	Tag	Note
13	strStr	O(n + k)	O(k)	Easy	LeetCode	`KMP Algorithm`
53	Reverse Words in a String	O(n)	O(1)	Easy	LeetCode, EPI	
54	String to Integer(atoi)	O(n)	O(1)	Hard	LeetCode	
55	Compare Strings	O(n)	O(c)	Easy		
78	Longest Common Prefix	O(n)	O(1)	Medium		
157	Unique Characters	O(n)	O(1)	Easy	CTCI	
158	Two Strings Are Anagrams	O(n)	O(1)	Easy		
171	Anagrams	O(n * klogk)	O(m)	Easy	LeetCode, EPI	
212	Space Replacement	O(n)	O(1)	Easy		
407	Plus One	O(n)	O(1)	Easy	LeetCode	
408	Add Binary	O(n)	O(1)	Easy	LeetCode	
415	Valid Palindrome	O(n)	O(1)	Easy	LeetCode	

#	Title	Time	Space	Difficulty	Tag	Note
417	Valid Number	O(n)	O(1)	Hard	LeetCode	Automata
420	Count and Say	O(n * 2^n)	O(2^n)	Easy	LeetCode	
422	Length of Last Word	O(n)	O(1)	Easy	LeetCode	
524	Left Pad	O(p + n)	O(1)	Easy	LeetCode	

Linked List

#	Title	Time	Space	Difficulty	Tag	Note
16	Merge Two Sorted Lists	O(n)	O(1)	Easy	LeetCode, EPI	
35	Reverse Linked List	O(n)	O(1)	Easy	LeetCode, EPI	
36	Reverse Linked List II	O(n)	O(1)	Medium	LeetCode, EPI	
96	Partition List	O(n)	O(1)	Easy	LeetCode	
98	Sort List	O(nlogn)	O(logn)	Medium	LeetCode, EPI	
99	Reorder List	O(n)	O(1)	Medium	LeetCode	
102	Linked List Cycle	O(n)	O(1)	Medium	LeetCode	
103	Linked List Cycle II	O(n)	O(1)	Hard	LeetCode	
104	Merge k Sorted Lists	O(n * logk)	O(1)	Medium	LeetCode	Heap, Divide and Conquer
105	Copy List with Random Pointer	O(n)	O(1)	Medium	LeetCode	
106	Convert Sorted List to Binary Search Tree	O(n)	O(logn)	Medium	LeetCode, EPI	
112	Remove Duplicates from Sorted List	O(n)	O(1)	Easy	LeetCode, EPI	
113	Remove Duplicates from Sorted List II	O(n)	O(1)	Medium	LeetCode, EPI	
166	Nth to Last Node in List	O(n)	O(1)	Easy	LeetCode	
167	Two Lists Sum	O(n)	O(1)	Easy	LeetCode	
170	Rotate List	O(n)	O(1)	Medium	LeetCode	
173	Insertion Sort List	O(n^2)	O(1)	Easy	LeetCode	
174	Remove Nth Node From End of List	O(n)	O(1)	Easy	LeetCode	
223	Palindrome Linked List	O(n)	O(1)	Medium	LeetCode	
372	Delete Node in the Middle of Singly Linked List	O(1)	O(1)	Easy	CTCI	
380	Intersection of Two Linked Lists	O(m + n)	O(1)	Easy	LeetCode	
450	Reverse Nodes in k-Group	O(n)	O(1)	Hard	LeetCode	
451	Swap Nodes in Pairs	O(n)	O(1)	Easy	LeetCode	
452	Remove Linked List Elements	O(n)	O(1)	Naive	LeetCode	
511	Swap Two Nodes in Linked List	O(n)	O(1)	Medium		

Tree

#	Title	Time	Space	Difficulty	Tag	Note
7	Binary Tree Serialization	O(n)	O(h)	Medium		
85	Insert Node in a Binary Search Tree	O(h)	O(1)	Easy		
88	Lowest Common Ancestor	O(n)	O(h)	Medium	EPI	
175	Invert Binary Tree	O(n)	O(h)	Easy	LeetCode	
442	Implement Trie	O(n)	O(1)	Medium	LeetCode	Trie

Stack

#	Title	Time	Space	Difficulty	Tag	Note
12	Min Stack	O(n)	O(1)	Medium	LeetCode, EPI	
40	Implement Queue by Two Stacks	O(1), amortized	O(n)	Medium	EPI	
66	Binary Tree Preorder Traversal	O(n)	O(1)	Easy	LeetCode, EPI	Morris Traversal
67	Binary Tree Inorder Traversal	O(n)	O(1)	Easy	LeetCode, EPI	Morris Traversal
68	Binary Tree Postorder Traversal	O(n)	O(1)	Easy	LeetCode, EPI	Morris Traversal
122	Largest Rectangle in Histogram	O(n)	O(n)	Hard	LeetCode, EPI	Ascending Stack
126	Max Tree	O(n)	O(n)	Hard		Descending Stack
367	Expression Tree Build	O(n)	O(n)	Hard		
368	Expression Evaluation	O(n)	O(n)	Hard		
369	Convert Expression to Polish Notation	O(n)	O(n)	Hard		
370	Convert Expression to Reverse Polish Notation	O(n)	O(n)	Hard		
421	Simplify Path	O(n)	O(n)	Medium	LeetCode	
423	Valid Parentheses	O(n)	O(n)	Easy	LeetCode	
424	Evaluate Reverse Polish Notation	O(n)	O(n)	Medium	LeetCode	
473	Add and Search Word	O(min(n, h))	O(min(n, h)	Medium	LeetCode	Trie
510	Maximal Rectangle	O(m * n)	O(n)	Hard	LeetCode	Ascending Stack
528	Flatten Nested List Iterator	O(n)	O(h)	Medium	LeetCode	

Queue

#	Title	Time	Space	Difficulty	Tag	Note
362	Sliding Window Maximum	O(n)	O(k)	Hard	EPI	Deque, Tricky

Heap

#	Title	Time	Space	Difficulty	Tag	Note
4	Ugly Number II	O(n)	O(1)	Medium	CTCI	BST, Heap
81	Data Stream Median	O(nlogn)	O(n)	Hard	EPI	BST, Heap
130	Heapify	O(n)	O(1)	Medium		
364	Trapping Rain Water II	O(m * n * (logm + logn))	O(m * n)	Hard		BFS, Heap, Tricky
518	Super Ugly Number	O(n * k)	O(n + k)	Medium	LeetCode	BST, Heap

Hash Tables

#	Title	Time	Space	Difficulty	Tag	Note
56	2 Sum	O(n)	O(n)	Medium	LeetCode	
124	Longest Consecutive Sequence	O(n)	O(n)	Medium	LeetCode, EPI	
128	Hash Function	O(n)	O(1)	Easy		
129	Rehashing	O(n)	O(n)	Medium		
138	Subarray Sum	O(n)	O(n)	Easy		
186	Max Points on a Line	O(n^2)	O(n)	Medium	LeetCode	
211	String Permutation	O(n)	O(1)	Easy		
384	Longest Substring Without Repeating Characters	O(n)	O(1)	Medium	LeetCode, EPI	
386	Longest Substring with At Most K Distinct Characters	O(n)	O(n)	Medium		
432	Find the Weak Connected Component in the Directed Graph	O(nlogn)	O(n)	Medium		Union Find
434	Number of Islands II	O(k)	O(k)	Hard		Union Find
488	Happy Number	O(k)	O(k)	Easy	LeetCode	
547	Intersection of Two Arrays	O(m + n)	O(min(m, n))	Easy	EPI, LeetCode	Two Pointers, Binary Search
548	Intersection of Two Arrays II	O(m + n)	O(min(m, n))	Easy	EPI, LeetCode	Two Pointers, Binary Search

Data Structure

#	Title	Time	Space	Difficulty	Tag	Note
134	LRU Cache	O(1)	O(k)	Hard	LeetCode, EPI	List, Hash

Math

#	Title	Time	Space	Difficulty	Tag	Note
2	Trailing Zeros	O(1)	O(1)	Easy	LeetCode	
3	Digit Counts	O(1)	O(1)	Medium	CTCI	

#	Title	Time	Space	Difficulty	Tag	Note
114	Unique Paths	O(min(m, n))	O(1)	Easy	LeetCode, CTCI	DP, Math
163	Unique Binary Search Trees	O(n)	O(1)	Medium	CTCI	DP, Math, Catalan Number
180	Binary Representation	O(1)	O(1)	Hard	CTCI	
197	Permutation Index	O(n^2)	O(1)	Easy		
198	Permutation Index II	O(n^2)	O(n)	Medium		
394	Coins in a Line	O(1)	O(1)	Easy		
411	Gray Code	O(2^n)	O(1)	Medium	LeetCode	
413	Reverse Integer	O(1)	O(1)	Medium	LeetCode	
414	Divide Two Integer	O(1)	O(1)	Medium	LeetCode	
418	Integer to Roman	O(n)	O(1)	Medium	LeetCode	
419	Roman to Integer	O(n)	O(1)	Medium	LeetCode	
428	Pow(x, n)	O(1)	O(1)	Medium	LeetCode	
445	Cosine Similarity	O(n)	O(1)	Easy		
517	Ugly Number	O(1)	O(1)	Easy	CTCI, LeetCode	

Sort

#	Title	Time	Space	Difficulty	Tag	Note
5	Kth Largest Element	O(n) ~ O(n^2)	O(1)	Medium	EPI	Two Pointers, Quick Sort
80	Median	O(n)	O(1)	Easy	EPI	
139	Subarray Sum Closest	O(nlogn)	O(n)	Medium		Sort
143	Sort Colors II	O(n)	O(1)	Medium		
148	Sort Colors	O(n)	O(1)	Medium	LeetCode	
156	Merge Intervals	O(nlogn)	O(1)	Easy	LeetCode, EPI	
184	Largest Number	O(nlogn)	O(1)	Medium	LeetCode	
366	Fibonacci	O(n)	O(1)	Easy		
379	Reorder array to construct the minimum number	O(nlogn)	O(1)	Medium	LeetCode	
387	The Smallest Difference	O(max(m, n) * log(min(m, n)))	O(1)	Medium		Two Pointers, Binary Search
399	Nuts & Bolts Problem	O(nlogn)	O(logn)	Medium		Quick Sort
400	Maximum Gap	O(n)	O(n)	Hard	LeetCode	Bucket Sort
463	Sort Integers	O(n^2)	O(1)	Easy		Insertion Sort, Selection Sort, Bubble Sort
464	Sort Integers II	O(nlogn)	O(n)	Easy		Merge Sort, Heap Sort, Quick Sort

#	Title	Time	Space	Difficulty	Tag	Note
507	Wiggle Sort II	O(n) on average	O(1)	Medium	LeetCode	Tri Partition
508	Wiggle Sort	O(n)	O(1)	Medium	LeetCode	

Recursion

#	Title	Time	Space	Difficulty	Tag	Note
22	Flatten List	O(n)	O(h)	Easy		
72	Construct Binary Tree from Inorder and Postorder Traversal	O(n)	O(n)	Medium	LeetCode, EPI	
73	Construct Binary Tree from Preorder and Inorder Traversal	O(n)	O(n)	Medium	LeetCode, EPI	
93	Balanced Binary Tree	O(n)	O(h)	Easy	LeetCode	
94	Binary Tree Maximum Path Sum	O(n)	O(h)	Medium	LeetCode	
95	Validate Binary Search Tree	O(n)	O(h)	Medium	LeetCode	
97	Maximum Depth of Binary Tree	O(n)	O(h)	Easy	LeetCode	
131	Building Outline	O(nlogn)	O(n)	Hard	EPI	Sort, BST
140	Fast Power	O(logn)	O(1)	Medium		
155	Minimum Depth of Binary Tree	O(n)	O(h)	Easy	LeetCode	
164	Unique Binary Search Trees II	$O(n * 4^n / n^{(3/2)})$	O(n)	Medium	LeetCode	
177	Convert Sorted Array to Binary Search Tree With Minimal Height	O(n)	O(logn)	Easy	LeetCode	
201	Segment Tree Build	O(n)	O(h)	Medium		Segment Tree, BST
202	Segment Tree Query	O(h)	O(h)	Medium		Segment Tree, BST
203	Segment Tree Modify	O(h)	O(h)	Medium		Segment Tree, BST
205	Interval Minimum Number	build tree: O(n), query: (h)	O(h)	Hard		Segment Tree, BST
206	Interval Sum	build tree: O(n), query: O(logn)	O(n)	Hard		Segment Tree, BIT
207	Interval Sum II	build tree: O(n), query: O(logn), modify: O(logn)	O(n)	Hard		Segment Tree, BIT
245	Subtree	O(m * n)	O(1)	Easy		Morris Traversal
247	Segment Tree Query II	O(h)	O(h)	Hard		Segment Tree, BST
248	Count of Smaller Number	build tree: O(n),	O(h)	Medium		Segment

#	Title	Time	Space	Difficulty	Tag	Note
		query: *O(logn)*				Tree, BST
371	Print Numbers by Recursion	*O(n)*	*O(n)*	Medium		
375	Clone Binary Tree	*O(n)*	*O(h)*	Easy		
378	Convert Binary Search Tree to Doubly Linked List	*O(n)*	*O(h)*	Medium		
439	Segment Tree Build II	*O(n)*	*O(h)*	Medium		Segment Tree, BST
453	Flatten Binary Tree to Linked List	*O(n)*	*O(h)*	Easy	LeetCode	
469	Identical Binary Tree	*O(n)*	*O(h)*	Easy		
532	Reverse Pairs	*O(nlogn)*	*O(n)*	Medium	variant ofCount of Smaller Number before itself	BIT, Merge Sort
535	House Robber III	*O(n)*	*O(h)*	Medium	LeetCode	

Binary Search

#	Title	Time	Space	Difficulty	Tag	Note
14	First Position of Target	*O(logn)*	*O(1)*	Easy		
28	Search a 2D Matrix	*O(logm + logn)*	*O(1)*	Easy	LeetCode	
60	Search Insert Position	*O(logn)*	*O(1)*	Easy	LeetCode	
61	Search for a Range	*O(logn)*	*O(1)*	Medium	LeetCode	
62	Search in Rotated Sorted Array	*O(logn)*	*O(1)*	Medium	LeetCode	
63	Search in Rotated Sorted Array II	*O(logn)*	*O(1)*	Medium	LeetCode	
65	Median of two Sorted Arrays	*O(log(min(m, n)))*	*O(1)*	Hard	LeetCode, EPI	Tricky
74	First Bad Version	*O(logn)*	*O(1)*	Medium		
75	Find Peak Element	*O(logn)*	*O(1)*	Medium	LeetCode	
76	Longest Increasing Subsequence	*O(nlogn)*	*O(n)*	Medium	CTCI	
141	Sqrt(x)	*O(logn)*	*O(1)*	Easy	LeetCode	
159	Find Minimum in Rotated Sorted Array	*O(logn)*	*O(1)*	Medium	LeetCode	
160	Find Minimum in Rotated Sorted Array II	*O(logn)*	*O(1)*	Medium	LeetCode	
183	Wood Cut	*O(nlogL)*	*O(1)*	Medium		
390	Find Peak Element II	*O(m + n)*	*O(1)*	Hard		
437	Copy Books	*O(nlogp)*	*O(1)*	Hard	UVa 714	

Breadth-First Search

#	Title	Time	Space	Difficulty	Tag	Note
69	Binary Tree Level Order Traversal	O(n)	O(n)	Medium	LeetCode	BFS
70	Binary Tree Level Order Traversal II	O(n)	O(n)	Medium	LeetCode	BFS
71	Binary Tree Zigzag Level Order Traversal	O(n)	O(n)	Medium	LeetCode	BFS
120	Word Ladder	O(n * d)	O(d)	Medium	LeetCode	BFS
121	Word Ladder II	O(n * d)	O(d)	Hard	LeetCode	BFS, Back Trace
127	Topological Sorting	O(|V|+|E|)	O(|E|)	Medium		DFS, BFS
137	Clone Graph	O(|V|+|E|)	O(|V|)	Medium		BFS
176	Route Between Two Nodes in Graph	O(n)	O(n)	Medium		DFS, BFS
178	Graph Valid Tree	O(|V| + |E|)	O(|V| + |E|)	Medium	LeetCode	
431	Find the Connected Component in the Undirected Graph	O(n)	O(n)	Medium		BFS
477	Surrounded Regions	O(m * n)	O(m + n)	Medium	LeetCode	

Depth-First Search

#	Title	Time	Space	Difficulty	Tag	Note
90	K Sum II	O(k * C(n, k))	O(k)	Medium		
376	Binary Tree Path Sum	O(n)	O(h)	Easy	LeetCode	
433	Number of Islands	O(m * n)	O(m * n)	Easy	LeetCode	DFS
480	Binary Tree Paths	O(n * h)	O(h)	Easy	LeetCode	

Backtracking

#	Title	Time	Space	Difficulty	Tag	Note
15	Permutations	O(n * n!)	O(n)	Medium	LeetCode, EPI	
16	Permutations II	O(n * n!)	O(n)	Medium	LeetCode, EPI	
17	Subsets	O(n * 2^n)	O(1)	Medium	LeetCode	
18	Subsets II	O(n * 2^n)	O(1)	Medium	LeetCode	
33	N-Queens	O(n * n!)	O(n)	Medium	LeetCode, EPI	
34	N-Queens II	O(n * n!)	O(n)	Medium	LeetCode, EPI	
123	Word Search	O(m * n * l)	O(l)	Medium	LeetCode	
132	Word Search II	O(m * n * l)	O(l)	Hard		Trie, DFS
135	Combination Sum	O(k * n^k)	O(k)	Medium	LeetCode	DFS
136	Palindrome Partitioning	O(2^n)	O(n)	Easy	LeetCode, EPI	
152	Combinations	O(k * n^k)	O(k)	Medium	LeetCode, EPI	

#	Title	Time	Space	Difficulty	Tag	Note
153	Combination Sum II	O(k * C(n, k))	O(k)	Medium	LeetCode	DFS
425	Letter Combinations of a Phone Number	O(n * 4^n)	O(n)	Medium	LeetCode	
426	Restore IP Addresses	O(1)	O(1)	Medium	LeetCode	
427	Generate Parentheses	O(4^n / n^(3/2))	O(n)	Medium	LeetCode	

Binary Search Trees

#	Title	Time	Space	Difficulty	Tag	Note
11	Search Range in Binary Search Tree	O(n)	O(h)	Medium	EPI	
86	Binary Search Tree Iterator	O(1)	O(h)	Hard	LeetCode	
87	Remove Node in Binary Search Tree	O(h)	O(h)	Hard		
249	Count of Smaller Number before itself	O(nlogn)	O(n)	Hard		BST, BIT, Divide and Conquer, Merge Sort
360	Sliding Window Median	O(nlogw)	O(w)	Hard		BST, Tricky
391	Number of Airplanes in the Sky	O(nlogn)	O(n)	Easy		BST, Heap
401	Kth Smallest Number in Sorted Matrix	O(klog(min(m, n, k)))	O(min(m, n, k))	Medium		BST, Heap

Dynamic Programming

#	Title	Time	Space	Difficulty	Tag	Note
20	Dices Sum	O(n^2)	O(n)	Hard		
29	Interleaving String	O(m * n)	O(min(m, n))	Medium	EPI	
43	Maximum Subarray III	O(k * n)	O(k * n)	Hard		
77	Longest Common Subsequence	O(m * n)	O(min(m, n))	Medium		
79	Longest Common Substring	O(m * n)	O(min(m, n))	Medium		
89	K Sum	O(k * n * t)	O(n * t)	Hard		
91	Minimum Adjustment Cost	O(k * n * t)	O(k)	Medium		
92	Backpack	O(m * n)	O(m)	Easy		
107	Word Break	O(n * l^2)	O(n)	Medium	LeetCode, EPI	
108	Palindrome Partitioning II	O(n^2)	O(n)	Medium	LeetCode, EPI	
109	Triangle	O(n)	O(n)	Easy	LeetCode, EPI	
110	Minimum Path Sum	O(m * n)	O(min(m, n))	Easy	LeetCode, EPI	
111	Climbing Stairs	O(n)	O(1)	Easy	LeetCode	
115	Unique Paths II	O(m * n)	O(min(m, n))	Easy	LeetCode,	DP,

#	Title	Time	Space	Difficulty	Tag	Note
					CTCI	Math
118	Distinct Subsequences	O(m * n)	O(m)	Medium	LeetCode	DP
119	Edit Distance	O(m * n)	O(min(m, n))	Medium	LeetCode, CTCI	DP
125	Backpack II	O(m * n)	O(m)	Medium		
149	Best Time to Buy and Sell Stock	O(n)	O(1)	Medium	LeetCode, EPI	
150	Best Time to Buy and Sell Stock II	O(n)	O(1)	Medium	LeetCode, EPI	
151	Best Time to Buy and Sell Stock III	O(n)	O(1)	Medium	LeetCode, EPI	
154	Regular Expression Matching	O(m * n)	O(m)	Hard	LeetCode	DP, Recursion
168	Burst Balloons	O(n^3)	O(n^2)	Medium	LeetCode	
191	Maximum Product Subarray	O(n)	O(1)	Medium	LeetCode	
392	House Robber	O(n)	O(1)	Medium	LeetCode	
393	Best Time to Buy and Sell Stock IV	O(k * n)	O(k)	Hard	LeetCode, EPI	
395	Coins in a Line II	O(n)	O(1)	Medium		
396	Coins in a Line III	O(n^2)	O(n)	Hard		
397	Longest Increasing Continuous subsequence	O(n)	O(1)	Easy		
398	Longest Increasing Continuous subsequence II	O(m * n)	O(m * n)	Hard		
403	Continuous Subarray Sum II	O(n)	O(1)	Medium	EPI	
430	Scramble String	O(n^4)	O(n^3)	Hard	LeetCode	
435	Post Office Problem	O(k * n^2)	O(n)	Hard	PKU 1160	
436	Maximal Square	O(m * n)	O(n)	Medium	LeetCode	
512	Decode Ways	O(n)	O(1)	Medium	LeetCode	
513	Perfect Squares	O(n * sqrt(n))	O(n)	Medium	LeetCode	
514	Paint Fence	O(n)	O(1)	Easy	LeetCode	
515	Paint House	O(n)	O(1)	Medium	LeetCode	
516	Paint House II	O(n * k)	O(k)	Hard	LeetCode	
534	House Robber II	O(n)	O(1)	Medium	LeetCode	
564	Backpack VI	O(n * t)	O(t)	Medium		

Greedy

#	Title	Time	Space	Difficulty	Tag	Note
41	Maximum Subarray	O(n)	O(1)	Easy	LeetCode	

#	Title	Time	Space	Difficulty	Tag	Note
42	Maximum Subarray II	*O(n)*	*O(n)*	Medium		
44	Minimum Subarray	*O(n)*	*O(1)*	Easy		
45	Maximum Subarray Difference	*O(n)*	*O(n)*	Medium		
116	Jump Game	*O(n)*	*O(1)*	Medium	LeetCode	
117	Jump Game II	*O(n)*	*O(1)*	Medium	LeetCode	
182	Delete Digits	*O(n)*	*O(n)*	Medium		
187	Gas Station	*O(n)*	*O(1)*	Easy	LeetCode	
192	Wildcard Matching	*O(m + n)*	*O(1)*	Hard	LeetCode	Greedy, DP, Recursion
402	Continuous Subarray Sum	*O(n)*	*O(1)*	Medium	EPI	
412	Candy	*O(n)*	*O(n)*	Hard	LeetCode	Greedy
552	Create Maximum Number	*O(k * (m + n + k)) ~ O(k * (m + n + k^2))*	*O(m + n + k^2)*	Hard	LeetCode	Greedy, DP

OO Design

#	Title	Time	Space	Difficulty	Tag	Note
204	Singleton	*O(1)*	*O(1)*	Easy		
208	Assignment Operator Overloading (C++ Only)	*O(n)*	*O(1)*	Medium		
496	Toy Factory	*O(1)*	*O(1)*	Easy		
497	Shape Factory	*O(1)*	*O(1)*	Easy		
498	Parking Lot	*O(n * m * k)*	*O(n * m * k)*	Hard	CTCI	OO Design, Pimpl Idiom, Smart Pointer

System Design

#	Title	Time	Space	Difficulty	Tag	Note
501	Mini Twitter	O(klogu)	O(t + f)	Medium		