

Group	Tag	#	Acceptance	Difficulty
N-Sum	hashtable	1	Two Sum	
	two pointers, hashtable	532	K-diff Pairs in an Array	
	two pointers	167	Two Sum II - Input array is sorted	
	hashtable	170	Two Sum III - Data structure design	
	two pointers, hashtable	15	3Sum	
	two pointers	16	3Sum Closest	
	two pointers	259	3Sum Smaller	
	two pointers	611	Valid Triangle Number	
	two pointers, hashtable	18	4Sum	
	hashtable	454	4Sum II	
Fixed Length, Sliding Window	queue	346	Moving Average from Data Stream	
	two pointer	643	Maximum Average Subarray I	
	heap, deque	239	Sliding Window Maximum	
	heap, median	295	Find Median from Data Stream	
	heap, median	480	Sliding Window Median	
	two pointers, hashmap	438	Find All Anagrams in a String	
	two pointers, hashmap	567	Permutation in String	
	two pointers, hashmap	30	Substring with Concatenation of All Words	
variant length, sliding window	two pointers, hashmap	3	Longest Substring Without Repeating Characters	
	regular expression	395	Longest Substring with At Least K Repeating Characters	
	two pointers	159	Longest Substring with At Most Two Distinct Characters	
	two pointers	340	Longest Substring with At Most K Distinct Characters	
	two pointers	424	Longest Repeating Character Replacement	
	two pointers, subsequence	524	Longest Word in Dictionary through Deleting	
	two pointers	76	Minimum Window Substring	
	two pointers	209	Minimum Size Subarray Sum	
subarray sum	hashmap	325	Maximum Size Subarray Sum Equals k	
	hashmap	525	Contiguous Array	
	hashmap	523	Continuous Subarray Sum	
Array, Organization	hashmap	560	Subarray Sum Equals K	
	two pointers	26	Remove Duplicates from Sorted Array	
	two pointers	80	Remove Duplicates from Sorted Array II	
	two pointers	27	Remove Element	
	two pointers	283	Move Zeros	
Water Catch	two pointers, counting	88	Merge Sorted Array	
		75	Sort Colors	
	two pointers	11	Container With Most Water	
	two pointers	42	Trapping Rain Water	
	stack	84	Largest Rectangle in Histogram	
Circle	stack	85	Maximal Rectangle	
	heap	407	Trapping Rain Water II	
	fast and slow	141	Linked List Cycle	
	fast and slow	142	Linked List Cycle II	
Remove Node from Linked List	fast and slow	287	Find the Duplicate Number	n(logn) by binary search, or O(n) by fast and slow two pointers
		160	Intersection of Two Linked Lists	can solve elegently by connect AB and BA
		237	Delete Node in a Linked List	do not need to change every node
		83	Remove Duplicates from Sorted List	
		82	Remove Duplicates from Sorted List II	
move nodes		203	Remove Linked List Elements	
		19	Remove Nth Node From End of List	
		61	Rotate Lists	corner case: k = 0, < 0, =m * len(list)
		86	Partition List	
		328	Odd Even Linked List	can have short, elegant solution
		206	Reverse Linked List	dummy.next, node.next, node = node, dummy.next, node.next
		92	Reverse Linked List II	every time, from the old node, we remove head into the newhead, update both head and newhead
		21	Merge Two Sorted Lists	keep, pre and m-th, insert (m+1) to n nodes between pre and pre.next
		23	Merge k Sorted Lists	

ab to 12		52	N-Queens II	43.80%	Hard						
		351	Android Unlock Patterns	43.20%	Medium						
	string	205	Isomorphic Strings	33.20%	Easy						
	string	290	Word Pattern	32.60%	Easy						
	string	291	Word Pattern II	37.80%	Hard	backtracking to test different length					
	string	468	Validate IP Address	20.20%	Medium						
	string	93	Restore IP Addresses	26.60%	Medium						
	string	526	Beautiful Arrangement	54.10%	Medium						
	string	131	Palindrome Partitioning	32.00%	Medium						
	string	132	Palindrome Partitioning II	23.80%	Hard	dp					
		79	Word Search	26.10%	Medium	can early return instead of set a flag					
		212	Word Search II	22.90%	Hard						
		127	Word Ladder	19.30%	Medium						
		126	Word Ladder II	13.90%	Hard						
		422	Valid Word Square	36.30%	Easy						
abbreviation		425	Word Squares	42.60%	Hard						
		408	Valid Word Abbreviation	27.60%	Easy						
		288	Unique Word Abbreviation	16.10%	Medium	hashtable					
		320	Generalized Abbreviation	44.30%	Medium						
		411	Minimum Unique Word Abbreviation	31.80%	Hard	brute force?					
		527	Word Abbreviation	34.80%	Hard	not a bt					
		282	Expression Add Operators	29.30%	Hard						
	679	24 Game	38.60%	Hard							
Dynamic Programming (try to save space)											
		53	Maximum Subarray	39.20%	Easy						
	traverse	152	Maximum Product Subarray	25.10%	Medium						
		238	Product of Array Except Self	48.20%	Medium	two pass, pay attention to the index in each side					
		traverse	581	Shortest Unsorted Continuous Subarray	28.30%	Easy					
stock dp		303	Range Sum Query - Immutable	28.00%	Easy						
		304	Range Sum Query 2D - Immutable	24.00%	Medium	range matters					
		121	Best Time to Buy and Sell Stock	40.30%	Easy						
		122	Best Time to Buy and Sell Stock II	46.30%	Easy						
		123	Best Time to Buy and Sell Stock III	28.80%	Hard	There is a one pass dp using O(1) space					
		188	Best Time to Buy and Sell Stock IV	24.10%	Hard	Need to think clearly how the dp works					
		309	Best Time to Buy and Sell Stock with Cooldown	40.20%	Medium						
		70	Climbing Stairs	39.30%	Easy	sn = sn-1 + sn-2, s0 = 1, s1 = 0					
O(n) DP, can do O(1) Space		91	Decode Ways	19.30%	Medium	a lot of corner cases					
		639	Decode Ways II	18.90%	Hard						
		198	House Robber	38.20%	Easy						
		213	House Robber II	33.50%	Medium						
		337	House Robber III	42.60%	Medium	indeed can do a postorder with another stack					
		256	Paint House	45.90%	Easy						
		265	Paint House II	37.70%	Hard						
		276	Paint Fence	34.20%	Easy						
O(n) DP but need to check all possible position before		494	Target Sum	43.80%	Medium						
		300	Longest Increasing Subsequence	37.90%	Medium	have a O(nlogn) solution					
		673	Number of Longest Increasing Subsequence	30.80%	Medium						
		96	Unique Binary Search Trees	40.40%	Medium						
		95	Unique Binary Search Trees II	31.00%	Medium						
		279	Perfect Squares	36.00%	Medium						
		322	Coin Change	26.20%	Medium						
		343	Integer Break	45.50%	Medium						
		139	Word Break	29.20%	Medium						
		140	Word Break II	22.70%	Hard						
M*N path O(M) space		120	Triangle	33.10%	Medium						
		62	Unique Paths	40.20%	Medium	O(min(m, n)) space, best performance if we dp on the short direction					
		63	Unique Paths II	31.30%	Medium						
		562	Longest Line of Consecutive One in Matrix	36.30%	Medium						
		221	Maximal Square	28.00%	Medium						
		64	Minimum Path Sum	37.80%	Medium						
		174	Dungeon Game	23.40%	Hard						
		568	Maximum Vacation Days	40.20%	Hard						
		551	Student Attendance Record I	44.20%	Easy						
		552	Student Attendance Record II	27.70%	Hard	N * (2^3)					
M*N path M*N Space		361	Bomb Enemy	38.60%	Medium						

[illegible]

	heap	347	Top K Frequent Elements	47.30%	Medium	bucket LFU/LRU														
		632	Smallest Range	43.50%	Hard															
	heap	659	Split Array into Consecutive Subsequences	33.20%	Medium															
	heap	502	IPO	34.70%	Hard															
	bucket	539	Minimum Time Difference	45.50%	Medium															
	bucket	128	Longest Consecutive Sequence	36.00%	Hard	can solve use hashmap too														
	bucket	164	Maximum Gap	29.10%	Hard															
		463	Island Perimeter	56.80%	Easy															
		492	Construct the Rectangle	49.10%	Easy															
Shape		223	Rectangle Area	32.40%	Medium															
	math	335	Self Crossing	24.70%	Hard															
		593	Valid Square	36.10%	Medium															
	math	469	Convex Polygon	30.60%	Medium															
	math	587	Erect the Fence	0.226	Hard															
Logitic Game		292	Nim Game	55.10%	Easy	1,2,3 win, 4 loss, 5,6,7 win, 8 loss														
	math	319	Bulb Switcher	42.20%	Medium															
	math	672	Bulb Switcher II	45.60%	Medium															
132 Pattern	dp	376	Wiggle Subsequence	35.20%	Medium															
		280	Wiggle Sort	56.20%	Medium															
		324	Wiggle Sort II	25.50%	Medium															
		334	Increasing Triplet Subsequence	38.60%	Medium															
		456	132 Pattern	28.20%	Medium															
		360	Sort Transformed Array	43.60%	Medium															
		634	Find the Derangement of An Array	26.60%	Medium															
		traverse	370	Range Addition	54.60%	Medium														
		598	Range Addition II	44.40%	Easy	tricky..														
		640	Solve the Equation	38.60%	Medium															
	544	Output Contest Matches	72.10%	Medium																
	565	Array Nesting	47.10%	Medium																
	traverse	390	Elimination Game	40.50%	Medium	binary														
	traverse	420	Strong Password Checker	20.10%	Hard															
	traverse	393	UTF-8 Validation	34.80%	Medium	do int comparison instead of string														
	traverse	459	Repeated Substring Pattern	38.50%	Easy															
	traverse	465	Optimal Account Balancing	34.00%	Hard															
	traverse	481	Magical String	45.20%	Medium															
	traverse	506	Relative Ranks	47.40%	Easy															
	traverse	521	Longest Uncommon Subsequence I	51.30%	Easy															
	traverse	522	Longest Uncommon Subsequence II	28.70%	Medium															
	traverse	531	Lonely Pixel I	51.60%	Medium															
	traverse	533	Lonely Pixel II	40.00%	Medium															
	traverse	548	Split Array with Equal Sum	29.30%	Medium															
	traverse	277	Find the Celebrity	35.30%	Medium															
	traverse	482	License Key Formatting	41.20%	Medium	replace and upper is faster than do each position														
	traverse	412	Fizz Buzz	58.80%	Easy															
	traverse	14	Longest Common Prefix	31.10%	Easy															
	traverse, KMP	28	Implement strStr()	27.60%	Easy															
	traverse	161	One Edit Distance	30.90%	Medium															
	traverse	58	Length of Last Word	31.50%	Easy															
	traverse	434	Number of Segments in a String	37.00%	Easy															
	traverse	485	Max Consecutive Ones	54.50%	Easy															
	traverse	487	Max Consecutive Ones II	44.40%	Medium	Follow Up: if we can flip at most K zero, we store the previous at most K zero index in a queue, so that we can calculate the len when new value come in. Queue is better														
	traverse	157	Read N Characters Given Read4	29.10%	Easy															
	traverse	158	Read N Characters Given Read4 II - Call multiple times	24.30%	Hard															
	traverse	165	Compare Version Numbers	19.70%	Medium															
Hash Table																				
		349	Intersection of Two Arrays	46.60%	Easy	set.intersection(t)														
		350	Intersection of Two Arrays II	44.30%	Easy	(countera & counterb).elements()														
		599	Minimum Index Sum of Two Lists	57.50%	Easy															
		299	Bulls and Cows	34.00%	Medium															
		49	Group Anagrams	33.30%	Medium	count sort may make the str sort quicker..														
		242	Valid Anagram	45.70%	Easy	hashmap is faster than len_26 char														
		383	Ransom Note	46.70%	Easy															
		447	Number of Boomerangs	44.10%	Easy															
		356	Line Reflection	30.20%	Medium															
	gcd	592	Fraction Addition and Subtraction	46.80%	Medium	gcd, and re														

	gcd	365	Water and Jug Problem	26.70%	Medium								
	gcd	149	Max Points on a Line	15.40%	Hard								
		249	Group Shifted Strings	40.30%	Medium								
		187	Repeated DNA Sequences	30.60%	Medium								
word distance not edit distance	traverse	243	Shortest Word Distance	51.60%	Easy	just traverse the word list, update the distance, the initial set is important							
		244	Shortest Word Distance II	36.30%	Medium								
	traverse	245	Shortest Word Distance III	49.80%	Medium	only need to slightly modify 243							
		387	First Unique Character in a String	46.40%	Easy								
		594	Longest Harmonious Subsequence	36.20%	Easy								
		423	Reconstruct Original Digits from English	43.20%	Medium								
		451	Sort Characters By Frequency	50.60%	Medium								
		500	Keyboard Row	60.30%	Easy								
		575	Distribute Candies	0.648	Easy								
		554	Brick Wall	41.60%	Medium								
		274	H-Index	32.70%	Medium								
		275	H-Index II	33.90%	Medium								
		609	Find Duplicate File in System	54.80%	Medium								
		336	Palindrome Pairs	25.60%	Hard								