

Channel_One question Daily					
Pattern	Question	Link 1	Link 2	Link 3	
	<b>1. Pattern: Two Pointers</b>				
	Pair with Target Sum (easy)	<a href="https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/">https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/</a>			
	Rearrange 0 and 1	<a href="https://www.geeksforgeeks.org/problems/segregate-0s-and-1s5106/1">https://www.geeksforgeeks.org/problems/segregate-0s-and-1s5106/1</a>			
	Remove Duplicates (easy)	<a href="https://leetcode.com/problems/remove-duplicates-from-sorted-list/">https://leetcode.com/problems/remove-duplicates-from-sorted-list/</a>	<a href="https://leetcode.com/problems/remove-duplicates-from-sorted-array-ii/">https://leetcode.com/problems/remove-duplicates-from-sorted-array-ii/</a>		
	Squaring a Sorted Array (easy)	<a href="https://leetcode.com/problems/squares-of-a-sorted-array/">https://leetcode.com/problems/squares-of-a-sorted-array/</a>			
	Triplet Sum to Zero (medium)	<a href="https://leetcode.com/problems/3sum/">https://leetcode.com/problems/3sum/</a>			
	Triplet Sum Close to Target (medium)	<a href="https://leetcode.com/problems/3sum-closest/">https://leetcode.com/problems/3sum-closest/</a>			
	Triplets with Smaller Sum (medium)	<a href="https://www.geeksforgeeks.org/problems/count-triplets-with-sum-smaller-than-x5549/1">https://www.geeksforgeeks.org/problems/count-triplets-with-sum-smaller-than-x5549/1</a>			
	Subarrays with Product Less than a Target (medium)	<a href="https://leetcode.com/problems/subarray-product-less-than-k/">https://leetcode.com/problems/subarray-product-less-than-k/</a>			
	Dutch National Flag Problem (medium)	<a href="https://leetcode.com/problems/sort-colors/description/">https://leetcode.com/problems/sort-colors/description/</a>			
	Problem Challenge 1: Quadruple Sum to Target (medium)	<a href="https://leetcode.com/problems/4sum/">https://leetcode.com/problems/4sum/</a>			
	Problem Challenge 2: Comparing Strings containing Backspaces (medium)	<a href="https://leetcode.com/problems/backspace-string-compare/">https://leetcode.com/problems/backspace-string-compare/</a>			
	Problem Challenge 3: Minimum Window Sort (medium)	<a href="https://leetcode.com/problems/shortest-unsorted-continuous-subarray/">https://leetcode.com/problems/shortest-unsorted-continuous-subarray/</a>	<a href="https://www.ideserve.co.in/learn/minimum-length-subarray-sorting-which-results-in-sorted-array">https://www.ideserve.co.in/learn/minimum-length-subarray-sorting-which-results-in-sorted-array</a>		
	<b>2. Pattern: Fast &amp; Slow pointers</b>				
	LinkedList Cycle (easy)	<a href="https://leetcode.com/problems/linked-list-cycle/">https://leetcode.com/problems/linked-list-cycle/</a>			
	Start of LinkedList Cycle (medium)	<a href="https://leetcode.com/problems/linked-list-cycle-ii/">https://leetcode.com/problems/linked-list-cycle-ii/</a>			
	Happy Number (medium)	<a href="https://leetcode.com/problems/happy-number/">https://leetcode.com/problems/happy-number/</a>			
	FIND DUPLICATE NUMBER	<a href="https://leetcode.com/problems/find-the-duplicate-number/description/">https://leetcode.com/problems/find-the-duplicate-number/description/</a>			
	Middle of the LinkedList (easy)	<a href="https://leetcode.com/problems/middle-of-the-linked-list/">https://leetcode.com/problems/middle-of-the-linked-list/</a>			
	Problem Challenge 1: Palindrome LinkedList (medium)	<a href="https://leetcode.com/problems/palindrome-linked-list/">https://leetcode.com/problems/palindrome-linked-list/</a>			
	Problem Challenge 2: Rearrange a LinkedList (medium)	<a href="https://leetcode.com/problems/reorder-list/">https://leetcode.com/problems/reorder-list/</a>			
	Problem Challenge 3: Cycle in a Circular Array (hard)	<a href="https://leetcode.com/problems/circular-array-loop/">https://leetcode.com/problems/circular-array-loop/</a>			
	<b>3. Pattern: Sliding Window</b>				
	Maximum Sum Subarray of Size K (easy)	<a href="https://www.geeksforgeeks.org/problems/max-sum-subarray-of-size-k5313/1">https://www.geeksforgeeks.org/problems/max-sum-subarray-of-size-k5313/1</a>			
	Smallest Subarray with a given sum (easy)	<a href="https://leetcode.com/problems/minimum-size-subarray-sum/">https://leetcode.com/problems/minimum-size-subarray-sum/</a>			
	Longest Substring with K Distinct Characters (medium)	<a href="https://www.geeksforgeeks.org/problems/longest-k-unique-characters-substring0853/1">https://www.geeksforgeeks.org/problems/longest-k-unique-characters-substring0853/1</a>			
	Fruits into Baskets (medium)	<a href="https://leetcode.com/problems/fruit-into-baskets/">https://leetcode.com/problems/fruit-into-baskets/</a>			
	No-repeat Substring (hard)	<a href="https://leetcode.com/problems/longest-substring-without-repeating-characters/">https://leetcode.com/problems/longest-substring-without-repeating-characters/</a>			
	Longest Substring with Same Letters after Replacement (hard)	<a href="https://leetcode.com/problems/longest-repeating-character-replacement/">https://leetcode.com/problems/longest-repeating-character-replacement/</a>			
	Longest Subarray with Ones after Replacement (hard)	<a href="https://leetcode.com/problems/max-consecutive-ones-iii/">https://leetcode.com/problems/max-consecutive-ones-iii/</a>			
	Minimum size subarray SUM	<a href="https://leetcode.com/problems/minimum-size-subarray-sum/">https://leetcode.com/problems/minimum-size-subarray-sum/</a>			
	Minimum Size Substring (HARD)	<a href="https://leetcode.com/problems/minimum-window-substring/description/?envType=study-plan-v2&amp;envId=top-interview-150">https://leetcode.com/problems/minimum-window-substring/description/?envType=study-plan-v2&amp;envId=top-interview-150</a>			
	Problem Challenge 1: Permutation in a String (hard)	<a href="https://leetcode.com/problems/permutation-in-string/">https://leetcode.com/problems/permutation-in-string/</a>			
	Problem Challenge 2: String Anagrams (hard)	<a href="https://leetcode.com/problems/find-all-anagrams-in-a-string/">https://leetcode.com/problems/find-all-anagrams-in-a-string/</a>			
	Problem Challenge 4: Words Concatenation (hard)	<a href="https://leetcode.com/problems/substring-with-concatenation-of-all-words/">https://leetcode.com/problems/substring-with-concatenation-of-all-words/</a>			
	<b>Pattern: Kadane pattern</b>				
	Maximum subarray sum	<a href="https://leetcode.com/problems/maximum-subarray/?utm_source=chatgpt.com">https://leetcode.com/problems/maximum-subarray/?utm_source=chatgpt.com</a>			
	Minimum Subarray Sum	<a href="https://www.geeksforgeeks.org/problems/smallest-sum-contiguous-subarray/1">https://www.geeksforgeeks.org/problems/smallest-sum-contiguous-subarray/1</a>			
	Maximum product subarray	<a href="https://leetcode.com/problems/maximum-product-subarray/?utm_source=chatgpt.com">https://leetcode.com/problems/maximum-product-subarray/?utm_source=chatgpt.com</a>			
	Maximum subarray sum with one deletion	<a href="https://leetcode.com/problems/maximum-subarray-sum-with-one-deletion/description/">https://leetcode.com/problems/maximum-subarray-sum-with-one-deletion/description/</a>			
	Maximum absolute sum of any subarray	<a href="https://leetcode.com/problems/maximum-absolute-sum-of-any-subarray/">https://leetcode.com/problems/maximum-absolute-sum-of-any-subarray/</a>			
	Maximum sum in circular array variant	<a href="https://leetcode.com/problems/maximum-sum-circular-subarray/?utm_source=chatgpt.com">https://leetcode.com/problems/maximum-sum-circular-subarray/?utm_source=chatgpt.com</a>			
	<b>PATTERN: PREFIX SUM</b>				
	Subarray Sum Equals K (EASY)	<a href="https://leetcode.com/problems/subarray-sum-equals-k/description/">https://leetcode.com/problems/subarray-sum-equals-k/description/</a>			
	Find Pivot Index (EASY)	<a href="https://leetcode.com/problems/find-pivot-index/description/">https://leetcode.com/problems/find-pivot-index/description/</a>			
	Subarray Sums Divisible By K (Med)	<a href="https://leetcode.com/problems/subarray-sums-divisible-by-k/description/">https://leetcode.com/problems/subarray-sums-divisible-by-k/description/</a>			
	Contiguous array (MED)	<a href="https://leetcode.com/problems/contiguous-array/description/">https://leetcode.com/problems/contiguous-array/description/</a>			
	Problem challenge: Shortest Subarray With Sum at Least K (HARD)	<a href="https://leetcode.com/problems/shortest-subarray-with-sum-at-least-k/description/">https://leetcode.com/problems/shortest-subarray-with-sum-at-least-k/description/</a>			
	Problem challenge: Count Range Sum (hard)	<a href="https://leetcode.com/problems/count-of-range-sum/description/">https://leetcode.com/problems/count-of-range-sum/description/</a>			
	<b>4. Pattern: Merge Intervals</b>				
	Merge Intervals (medium)	<a href="https://leetcode.com/problems/merge-intervals/description/">https://leetcode.com/problems/merge-intervals/description/</a>			
	Insert Interval (medium)	<a href="https://leetcode.com/problems/insert-interval/">https://leetcode.com/problems/insert-interval/</a>			
	Intervals Intersection (medium)	<a href="https://leetcode.com/problems/interval-list-intersections/description/">https://leetcode.com/problems/interval-list-intersections/description/</a>			
	Overlapping Intervals	<a href="https://www.geeksforgeeks.org/check-if-any-two-intervals-overlap-among-a-given-set-of-intervals/">https://www.geeksforgeeks.org/check-if-any-two-intervals-overlap-among-a-given-set-of-intervals/</a>			
	Problem Challenge 1: Minimum Meeting Rooms (hard)	<a href="https://www.geeksforgeeks.org/problems/attend-all-meetings-ii/1">https://www.geeksforgeeks.org/problems/attend-all-meetings-ii/1</a>			
	Problem Challenge 2: Maximum CPU Load (hard)	<a href="https://www.geeksforgeeks.org/maximum-cpu-load-from-the-given-list-of-jobs/">https://www.geeksforgeeks.org/maximum-cpu-load-from-the-given-list-of-jobs/</a>			
	Problem Challenge 3: Employee Free Time (hard)	<a href="https://www.codertrain.co/employee-free-time">https://www.codertrain.co/employee-free-time</a>			
	<b>5. Pattern: Cyclic Sort</b>				
	Cyclic Sort (easy)	<a href="https://www.geeksforgeeks.org/sort-an-array-which-contain-1-to-n-values-in-on-using-cycle-sort/">https://www.geeksforgeeks.org/sort-an-array-which-contain-1-to-n-values-in-on-using-cycle-sort/</a>			
	Find the Missing Number (easy)	<a href="https://leetcode.com/problems/missing-number/">https://leetcode.com/problems/missing-number/</a>			
	Find all Missing Numbers (easy)	<a href="https://leetcode.com/problems/find-all-numbers-disappeared-in-an-array/">https://leetcode.com/problems/find-all-numbers-disappeared-in-an-array/</a>			
	Find the Duplicate Number (easy)	<a href="https://leetcode.com/problems/find-the-duplicate-number/">https://leetcode.com/problems/find-the-duplicate-number/</a>			
	Find all Duplicate Numbers (easy)	<a href="https://leetcode.com/problems/find-all-duplicates-in-an-array/">https://leetcode.com/problems/find-all-duplicates-in-an-array/</a>			
	Problem Challenge 1: Find the Corrupt Pair (easy)	<a href="https://thecodingsimplified.com/find-corrupt-pair/">https://thecodingsimplified.com/find-corrupt-pair/</a>			
	Problem Challenge 2: Find the Smallest Missing Positive Number (medium)	<a href="https://leetcode.com/problems/first-missing-positive/">https://leetcode.com/problems/first-missing-positive/</a>			
	Problem Challenge 3: Find the First K Missing Positive Numbers (hard)	<a href="https://thecodingsimplified.com/find-the-first-k-missing-positive-number/">https://thecodingsimplified.com/find-the-first-k-missing-positive-number/</a>			

<b>6. Pattern: In-place Reversal of a LinkedList</b>					
Reverse a LinkedList (easy)	<a href="https://leetcode.com/problems/reverse-linked-list/">https://leetcode.com/problems/reverse-linked-list/</a>				
Reverse a Sub-list (medium)	<a href="https://leetcode.com/problems/reverse-linked-list-ii/">https://leetcode.com/problems/reverse-linked-list-ii/</a>				
Reverse List in Pairs (Medium)	<a href="https://leetcode.com/problems/swap-nodes-in-pairs/description/">https://leetcode.com/problems/swap-nodes-in-pairs/description/</a>				
Reverse every K-element Sub-list (HARD)	<a href="https://leetcode.com/problems/reverse-nodes-in-k-group/">https://leetcode.com/problems/reverse-nodes-in-k-group/</a>				
Problem Challenge 1: Reverse nodes in EVEN Length Groups (HARD)	<a href="https://leetcode.com/problems/reverse-nodes-in-even-length-groups/description/">https://leetcode.com/problems/reverse-nodes-in-even-length-groups/description/</a>				
Problem Challenge 2: Rotate a LinkedList (medium)	<a href="https://leetcode.com/problems/rotate-list/">https://leetcode.com/problems/rotate-list/</a>				
<b>7. Pattern: Stack</b>					
remove adjacent duplicates	<a href="https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string/description/">https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string/description/</a>				
Balanced Parentheses	<a href="https://leetcode.com/problems/valid-parentheses/description/">https://leetcode.com/problems/valid-parentheses/description/</a>				
Reverse a String					
Next Greater Element (easy)	<a href="https://leetcode.com/problems/next-greater-element-ii/description/">https://leetcode.com/problems/next-greater-element-ii/description/</a>				
Daily Temperatures (easy)	<a href="https://leetcode.com/problems/daily-temperatures/">https://leetcode.com/problems/daily-temperatures/</a>				
Remove Nodes From Linked List (easy)	<a href="https://leetcode.com/problems/remove-nodes-from-linked-list/">https://leetcode.com/problems/remove-nodes-from-linked-list/</a>				
Remove All Adjacent Duplicates in String II (medium)	<a href="https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string-ii/">https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string-ii/</a>				
Simplify Path (Problem Challenge)	<a href="https://leetcode.com/problems/simplify-path/">https://leetcode.com/problems/simplify-path/</a>				
Remove K Digits (hard) Problem challenge	<a href="https://leetcode.com/problems/remove-k-digits/">https://leetcode.com/problems/remove-k-digits/</a>				
<b>9. Pattern: Hash Maps</b>					
First Non-repeating Character (easy)	<a href="https://leetcode.com/problems/first-unique-character-in-a-string/">https://leetcode.com/problems/first-unique-character-in-a-string/</a>				
Maximum Number of Balloons (easy)	<a href="https://leetcode.com/problems/maximum-number-of-balloons/">https://leetcode.com/problems/maximum-number-of-balloons/</a>				
Longest Palindrome(easy)	<a href="https://leetcode.com/problems/longest-palindrome/">https://leetcode.com/problems/longest-palindrome/</a>				
Ransom Note (easy)	<a href="https://leetcode.com/problems/ransom-note/">https://leetcode.com/problems/ransom-note/</a>				
<b>10. Pattern : Binary Search</b>					
Binary search basic	<a href="https://leetcode.com/problems/binary-search/">https://leetcode.com/problems/binary-search/</a>				
Upper Bound/ Ceiling	<a href="https://www.geeksforgeeks.org/problems/ceil-in-a-sorted-array/1">https://www.geeksforgeeks.org/problems/ceil-in-a-sorted-array/1</a>				
First and Last position	<a href="https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/">https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/</a>				
Count number of occurrences	<a href="https://www.geeksforgeeks.org/problems/number-of-occurrence2259/1">https://www.geeksforgeeks.org/problems/number-of-occurrence2259/1</a>				
Search in infinite Sorted array	<a href="https://www.geeksforgeeks.org/find-position-element-sorted-array-infinite-numbers/">https://www.geeksforgeeks.org/find-position-element-sorted-array-infinite-numbers/</a>				
Peak index in Mountain	<a href="https://leetcode.com/problems/peak-index-in-a-mountain-array/">https://leetcode.com/problems/peak-index-in-a-mountain-array/</a>				
Find peak in mountain range	<a href="https://leetcode.com/problems/find-peak-element/">https://leetcode.com/problems/find-peak-element/</a>				
Find minimum in rotated sorted array	<a href="https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/">https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/</a>				
Find number of rotations to sorted array	<a href="https://www.geeksforgeeks.org/problems/rotation4723/1">https://www.geeksforgeeks.org/problems/rotation4723/1</a>				
Search in rotated sorted array	<a href="https://leetcode.com/problems/search-in-rotated-sorted-array/description/">https://leetcode.com/problems/search-in-rotated-sorted-array/description/</a>				
KOKO eating BANANAS	<a href="https://leetcode.com/problems/koko-eating-bananas/">https://leetcode.com/problems/koko-eating-bananas/</a>				
Min num of days to make m bouquets	<a href="https://leetcode.com/problems/minimum-number-of-days-to-make-m-bouquets/">https://leetcode.com/problems/minimum-number-of-days-to-make-m-bouquets/</a>				
Aggressive cows	<a href="https://www.geeksforgeeks.org/problems/aggressive-cows/1">https://www.geeksforgeeks.org/problems/aggressive-cows/1</a>				
Max candies to k children	<a href="https://leetcode.com/problems/maximum-candies-allocated-to-k-children/description/">https://leetcode.com/problems/maximum-candies-allocated-to-k-children/description/</a>				
Capacity to ship packages in d days	<a href="https://leetcode.com/problems/capacity-to-ship-packages-within-d-days/description/">https://leetcode.com/problems/capacity-to-ship-packages-within-d-days/description/</a>				
Book Allocation Problem	<a href="https://www.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1">https://www.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1</a>				
Split largest array	<a href="https://leetcode.com/problems/split-array-largest-sum/description/">https://leetcode.com/problems/split-array-largest-sum/description/</a>				
Search 2 D matrix	<a href="https://leetcode.com/problems/search-a-2d-matrix/">https://leetcode.com/problems/search-a-2d-matrix/</a>				
Search 2D matrix (Hard)	<a href="https://leetcode.com/problems/search-a-2d-matrix-ii/description/">https://leetcode.com/problems/search-a-2d-matrix-ii/description/</a>				
kth smallest in sorted matrix	<a href="https://leetcode.com/problems/kth-smallest-element-in-a-sorted-matrix/description/">https://leetcode.com/problems/kth-smallest-element-in-a-sorted-matrix/description/</a>				
kth smallest in multiplication matrix	<a href="https://leetcode.com/problems/kth-smallest-number-in-multiplication-table/description/">https://leetcode.com/problems/kth-smallest-number-in-multiplication-table/description/</a>				
median of 2 sorted arrays	<a href="https://leetcode.com/problems/median-of-two-sorted-arrays/">https://leetcode.com/problems/median-of-two-sorted-arrays/</a>				
<b>Pattern: Graph Traversal: Breadth First Search (BFS)</b>					
Find if Path Exists in Graph(easy)	<a href="https://leetcode.com/problems/find-if-path-exists-in-graph/">https://leetcode.com/problems/find-if-path-exists-in-graph/</a>				
Number of Provinces (medium)	<a href="https://leetcode.com/problems/number-of-provinces/">https://leetcode.com/problems/number-of-provinces/</a>				
Minimum Number of Vertices to Reach All Nodes(medium)	<a href="https://leetcode.com/problems/minimum-number-of-vertices-to-reach-all-nodes/">https://leetcode.com/problems/minimum-number-of-vertices-to-reach-all-nodes/</a>				
<b>13. Pattern: Island (Matrix traversal)</b>					
Number of Islands (easy)	<a href="https://leetcode.com/problems/number-of-islands/">https://leetcode.com/problems/number-of-islands/</a>				
Biggest Island (easy)					
Flood Fill (easy)	<a href="https://leetcode.com/problems/flood-fill/">https://leetcode.com/problems/flood-fill/</a>				
Number of Closed Islands (easy)	<a href="https://leetcode.com/problems/number-of-closed-islands/">https://leetcode.com/problems/number-of-closed-islands/</a>				
Problem Challenge 1 (easy)					
Problem Challenge 2 (medium)					
Problem Challenge 3 (medium)					
<b>14. Pattern: Two Heaps</b>					
Find the Median of a Number Stream (medium)	<a href="https://leetcode.com/problems/find-median-from-data-stream/">https://leetcode.com/problems/find-median-from-data-stream/</a>				
Sliding Window Median (hard)	<a href="https://leetcode.com/problems/sliding-window-median/">https://leetcode.com/problems/sliding-window-median/</a>				
Maximize Capital (hard)	<a href="https://leetcode.com/problems/lipo/">https://leetcode.com/problems/lipo/</a>				
*Maximum Sum Combinations (medium)	<a href="https://www.interviewbit.com/problems/maximum-sum-combinations/">https://www.interviewbit.com/problems/maximum-sum-combinations/</a>				
<b>15. Pattern: Subsets</b>					
Subsets (easy)	<a href="https://www.educative.io/courses/grokking-the-coding-interview/gx2OqlvEnWG">https://www.educative.io/courses/grokking-the-coding-interview/gx2OqlvEnWG</a>				
Subsets With Duplicates (easy)	<a href="https://www.educative.io/courses/grokking-the-coding-interview/7npk3V3JQNr">https://www.educative.io/courses/grokking-the-coding-interview/7npk3V3JQNr</a>				
Permutations (medium)	<a href="https://www.educative.io/courses/grokking-the-coding-interview/B8R83jvN3KY">https://www.educative.io/courses/grokking-the-coding-interview/B8R83jvN3KY</a>				
String Permutations by changing case (medium)					
Balanced Parentheses (hard)					

Unique Generalized Abbreviations (hard)	<a href="https://leetcode.com/problems/generalized-abbreviation/">https://leetcode.com/problems/generalized-abbreviation/</a>			
<b>17. Pattern: Bitwise XOR</b>				
Single Number (easy)				
Two Single Numbers (medium)				
Complement of Base 10 Number (medium)				
Problem Challenge 1: Flip and Invert an Image (hard)				
<b>18. Pattern: Top 'K' Elements</b>				
Top 'K' Numbers (easy)	<a href="https://github.com/dipju/Grokking-the-Coding-Interview-Patterns-for-Coding-Questions/blob/master/13.-pattern-top-k-elements/02.top-k-numbers.md">https://github.com/dipju/Grokking-the-Coding-Interview-Patterns-for-Coding-Questions/blob/master/13.-pattern-top-k-elements/02.top-k-numbers.md</a>			
Kth Smallest Number (easy)				
K' Closest Points to the Origin (easy)	<a href="https://leetcode.com/problems/k-closest-points-to-origin/">https://leetcode.com/problems/k-closest-points-to-origin/</a>			
Connect Ropes (easy)				
Top 'K' Frequent Numbers (medium)				
Frequency Sort (medium)				
Kth Largest Number in a Stream (medium)	<a href="https://leetcode.com/problems/kth-largest-element-in-a-stream/">https://leetcode.com/problems/kth-largest-element-in-a-stream/</a>			
K' Closest Numbers (medium)				
Maximum Distinct Elements (medium)				
Sum of Elements (medium)				
Rearrange String (hard)				
Problem Challenge 1: Rearrange String K Distance Apart (hard)				
Problem Challenge 2: Scheduling Tasks (hard)				
Problem Challenge 3: Frequency Stack (hard)				
*	<a href="https://github.com/dipju/Grokking-the-Coding-Interview-Patterns-for-Coding-Questions/blob/master/13.-pattern-top-k-elements/13.HeapImplementation.md">https://github.com/dipju/Grokking-the-Coding-Interview-Patterns-for-Coding-Questions/blob/master/13.-pattern-top-k-elements/13.HeapImplementation.md</a>			
<b>19. Pattern: K-way merge</b>				
Merge K Sorted Lists (medium)	<a href="https://leetcode.com/problems/merge-k-sorted-lists/">https://leetcode.com/problems/merge-k-sorted-lists/</a>			
Kth Smallest Number in M Sorted Lists (Medium)	<a href="https://www.geeksforgeeks.org/find-m-th-smallest-value-in-k-sorted-arrays/">https://www.geeksforgeeks.org/find-m-th-smallest-value-in-k-sorted-arrays/</a>			
Kth Smallest Number in a Sorted Matrix (Hard)	<a href="https://www.educative.io/courses/grokking-the-coding-interview/x1N1YKNvqz">https://www.educative.io/courses/grokking-the-coding-interview/x1N1YKNvqz</a>			
Smallest Number Range (Hard)	<a href="https://leetcode.com/problems/smallest-range-covering-elements-from-k-lists/">https://leetcode.com/problems/smallest-range-covering-elements-from-k-lists/</a>			
Problem Challenge 1: K Pairs with Largest Sums (hard)				
<b>20. Pattern: Greedy Algorithms</b>				
Valid Palindrome II (easy)	<a href="https://leetcode.com/problems/valid-palindrome-ii/">https://leetcode.com/problems/valid-palindrome-ii/</a>			
Maximum Length of Pair Chain (medium)	<a href="https://leetcode.com/problems/maximum-length-of-pair-chain/">https://leetcode.com/problems/maximum-length-of-pair-chain/</a>			
Minimum Add to Make Parentheses Valid (medium)	<a href="https://leetcode.com/problems/minimum-add-to-make-parentheses-valid/">https://leetcode.com/problems/minimum-add-to-make-parentheses-valid/</a>			
Remove Duplicate Letters (medium)	<a href="https://leetcode.com/problems/remove-duplicate-letters/">https://leetcode.com/problems/remove-duplicate-letters/</a>			
Largest Palindromic Number (Medium)	<a href="https://leetcode.com/problems/largest-palindromic-number/">https://leetcode.com/problems/largest-palindromic-number/</a>			
Removing Minimum and Maximum From Array (medium)	<a href="https://leetcode.com/problems/removing-minimum-and-maximum-from-array/">https://leetcode.com/problems/removing-minimum-and-maximum-from-array/</a>			
<b>21. Pattern : 0/1 Knapsack (Dynamic Programming)</b>				
0/1 Knapsack (medium)	<a href="https://www.geeksforgeeks.org/0-1-knapsack-problem-dp-10/">https://www.geeksforgeeks.org/0-1-knapsack-problem-dp-10/</a>			
Equal Subset Sum Partition (medium)	<a href="https://leetcode.com/problems/partition-equal-subset-sum/">https://leetcode.com/problems/partition-equal-subset-sum/</a>			
Subset Sum (medium)	<a href="https://www.geeksforgeeks.org/subset-sum-problem-dp-25/">https://www.geeksforgeeks.org/subset-sum-problem-dp-25/</a>			
Minimum Subset Sum Difference (hard)	<a href="https://www.geeksforgeeks.org/partition-a-set-into-two-subsets-such-that-the-difference-of-subset-sums-is-minimum/">https://www.geeksforgeeks.org/partition-a-set-into-two-subsets-such-that-the-difference-of-subset-sums-is-minimum/</a>			
Problem Challenge 1: Count of Subset Sum (hard)				
Problem Challenge 2: Target Sum (hard)				
<b>22. Pattern: Backtracking</b>				
Combination Sum (medium)	<a href="https://leetcode.com/problems/combination-sum/">https://leetcode.com/problems/combination-sum/</a>	<a href="https://leetcode.com/problems/combination-sum-ii/">https://leetcode.com/problems/combination-sum-ii/</a>	<a href="https://leetcode.com/problems/combination-sum-iii/">https://leetcode.com/problems/combination-sum-iii/</a>	
Word Search (medium)	<a href="https://leetcode.com/problems/word-search/">https://leetcode.com/problems/word-search/</a>	<a href="https://leetcode.com/problems/word-search-ii/">https://leetcode.com/problems/word-search-ii/</a>		
Sudoku Solver (hard)	<a href="https://leetcode.com/problems/sudoku-solver/">https://leetcode.com/problems/sudoku-solver/</a>			
Factor Combinations (medium)	<a href="https://leetcode.com/problems/factor-combinations/">https://leetcode.com/problems/factor-combinations/</a>			
Split a String Into the Max Number of Unique Substrings (medium)	<a href="https://leetcode.com/problems/split-a-string-into-the-max-number-of-unique-substrings/">https://leetcode.com/problems/split-a-string-into-the-max-number-of-unique-substrings/</a>			
<b>23. Pattern: Trie</b>				
Implement Trie (Prefix Tree) (medium)	<a href="https://leetcode.com/problems/implement-trie-prefix-tree/">https://leetcode.com/problems/implement-trie-prefix-tree/</a>			
Index Pairs of a String (easy)	<a href="https://leetcode.com/problems/index-pairs-of-a-string/">https://leetcode.com/problems/index-pairs-of-a-string/</a>			
Design Add and Search Words Data Structure (medium)	<a href="https://leetcode.com/problems/design-add-and-search-words-data-structure/">https://leetcode.com/problems/design-add-and-search-words-data-structure/</a>			
Extra Characters in a String (medium)	<a href="https://leetcode.com/problems/extra-characters-in-a-string/">https://leetcode.com/problems/extra-characters-in-a-string/</a>			
Search Suggestions System (medium)	<a href="https://leetcode.com/problems/search-suggestions-system/">https://leetcode.com/problems/search-suggestions-system/</a>			
<b>24. Pattern: Topological Sort (Graph)</b>				
Topological Sort (medium)	<a href="https://www.youtube.com/watch?v=c1BFEnD77b4">https://www.youtube.com/watch?v=c1BFEnD77b4</a>			
Tasks Scheduling (medium)	<a href="https://leetcode.com/problems/course-schedule/">https://leetcode.com/problems/course-schedule/</a>			
Tasks Scheduling Order (medium)	<a href="https://leetcode.com/problems/course-schedule/">https://leetcode.com/problems/course-schedule/</a>			
All Tasks Scheduling Orders (hard)	<a href="https://leetcode.com/problems/course-schedule-iii/">https://leetcode.com/problems/course-schedule-iii/</a>			
Alien Dictionary (hard)	<a href="https://leetcode.com/problems/alien-dictionary/">https://leetcode.com/problems/alien-dictionary/</a>			
Problem Challenge 1: Reconstructing a Sequence (hard)	<a href="https://leetcode.com/problems/sequence-reconstruction/">https://leetcode.com/problems/sequence-reconstruction/</a>			
Problem Challenge 2: Minimum Height Trees (hard)	<a href="https://leetcode.com/problems/minimum-height-trees/">https://leetcode.com/problems/minimum-height-trees/</a>			
<b>25. Pattern: Union Find</b>				
Redundant Connection (medium)	<a href="https://leetcode.com/problems/redundant-connection/">https://leetcode.com/problems/redundant-connection/</a>	<a href="https://leetcode.com/problems/redundant-connection-ii/">https://leetcode.com/problems/redundant-connection-ii/</a>		
Number of Provinces (medium)	<a href="https://leetcode.com/problems/number-of-provinces/">https://leetcode.com/problems/number-of-provinces/</a>			
Is Graph Bipartite? (medium)	<a href="https://leetcode.com/problems/is-graph-bipartite/">https://leetcode.com/problems/is-graph-bipartite/</a>			
Path With Minimum Effort (medium)	<a href="https://leetcode.com/problems/path-with-minimum-effort/">https://leetcode.com/problems/path-with-minimum-effort/</a>			
<b>26. Ordered Set</b>				

	Merge Similar Items (easy)	<a href="https://leetcode.com/problems/merge-similar-items/">https://leetcode.com/problems/merge-similar-items/</a>				
	132 Pattern (medium)	<a href="https://leetcode.com/problems/132-pattern/">https://leetcode.com/problems/132-pattern/</a>				
	My Calendar I (medium)	<a href="https://leetcode.com/problems/my-calendar-i/">https://leetcode.com/problems/my-calendar-i/</a>	<a href="https://leetcode.com/problems/my-calendar-ii/">https://leetcode.com/problems/my-calendar-ii/</a>	<a href="https://leetcode.com/problems/my-calendar-iii/">https://leetcode.com/problems/my-calendar-iii/</a>		