

Array Reverse the array <->

Array Find the maximum and minimum element in an array <->

Array Find the "Kth" max and min element of an array <->

Array Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algo <->

Array Move all the negative elements to one side of the array <->

Array Find the Union and Intersection of the two sorted arrays. <->

Array Write a program to cyclically rotate an array by one. <->

Array find Largest sum contiguous Subarray [V. IMP] <->

Array Minimise the maximum difference between heights [V.IMP] <->

Array Minimum no. of Jumps to reach end of an array <->

Array find duplicate in an array of N+1 Integers <->

Array Merge 2 sorted arrays without using Extra space. <->

Array Kadane's Algo [V.V.V.V.V IMP] <->

Array Merge Intervals <->

Array Next Permutation <->

Array Count Inversion <->

Array Best time to buy and Sell stock <->

Array find all pairs on integer array whose sum is equal to given number <->

Array find common elements In 3 sorted arrays <->

Array Rearrange the array in alternating positive and negative items with O(1) extra space <->

Array Find if there is any subarray with sum equal to 0 <->

Array Find factorial of a large number <->

Array find maximum product subarray <->

Array Find longest coinsecutive subsequence <->

Array Given an array of size n and a number k, find all elements that appear more than " $n/k$ " times. <->

Array Maximum profit by buying and selling a share atmost twice <->

Array Find whether an array is a subset of another array <->

Array Find the triplet that sum to a given value <->

Array Trapping Rain water problem <->

Array Chocolate Distribution problem <->

Array Smallest Subarray with sum greater than a given value <->

Array Three way partitioning of an array around a given value <->

Array Minimum swaps required bring elements less equal K together <->

Array Minimum no. of operations required to make an array palindrome <->

Array Median of 2 sorted arrays of equal size <->

Array Median of 2 sorted arrays of different size <->

Matrix Spiral traversal on a Matrix <->

Matrix Search an element in a matrix <->

Matrix Find median in a row wise sorted matrix <->

Matrix Find row with maximum no. of 1's <->

Matrix Print elements in sorted order using row-column wise sorted matrix <->

Matrix Maximum size rectangle <->

Matrix Find a specific pair in matrix <->

Matrix Rotate matrix by 90 degrees <->

Matrix Kth smallest element in a row-column wise sorted matrix <->

Matrix Common elements in all rows of a given matrix <->

String Reverse a String <->

String Check whether a String is Palindrome or not <->

String Find Duplicate characters in a string <->

String Why strings are immutable in Java? <->

String Write a Code to check whether one string is a rotation of another <->

String Write a Program to check whether a string is a valid shuffle of two strings or not <->

String Count and Say problem <->

String Write a program to find the longest Palindrome in a string.[ Longest palindromic Substring] <->

String Find Longest Recurring Subsequence in String <->

String Print all Subsequences of a string. <->

String Print all the permutations of the given string <->

String Split the Binary string into two substring with equal 0's and 1's <->

String Word Wrap Problem [VERY IMP]. <->

String EDIT Distance [Very Imp] <->

String Find next greater number with same set of digits. [Very Very IMP] <->

String Balanced Parenthesis problem.[Imp] <->

String Word break Problem[ Very Imp] <->

String Rabin Karp Algo <->

String KMP Algo <->

String Convert a Sentence into its equivalent mobile numeric keypad sequence. <->

String Minimum number of bracket reversals needed to make an expression balanced. <->

String Count All Palindromic Subsequence in a given String. <->

String Count of number of given string in 2D character array <->

String Search a Word in a 2D Grid of characters. <->

String Boyer Moore Algorithm for Pattern Searching. <->

String Converting Roman Numerals to Decimal <->

String Longest Common Prefix <->

String Number of flips to make binary string alternate <->

String Find the first repeated word in string. <->

String Minimum number of swaps for bracket balancing. <->

String Find the longest common subsequence between two strings. <->

String Program to generate all possible valid IP addresses from given string. <->

String Write a program to find the smallest window that contains all characters of string itself. <->

String Rearrange characters in a string such that no two adjacent are same <->

String Minimum characters to be added at front to make string palindrome <->

String Given a sequence of words, print all anagrams together <->

String Find the smallest window in a string containing all characters of another string <->

String Recursively remove all adjacent duplicates <->

String String matching where one string contains wildcard characters <->

String Function to find Number of customers who could not get a computer <->  
String Transform One String to Another using Minimum Number of Given Operation <->  
String Check if two given strings are isomorphic to each other <->  
String Recursively print all sentences that can be formed from list of word lists <->

Searching & Sorting Find first and last positions of an element in a sorted array <->  
Searching & Sorting Find a Fixed Point (Value equal to index) in a given array <->  
Searching & Sorting Search in a rotated sorted array <->  
Searching & Sorting square root of an integer <->  
Searching & Sorting Maximum and minimum of an array using minimum number of comparisons <->  
Searching & Sorting Optimum location of point to minimize total distance <->  
Searching & Sorting Find the repeating and the missing <->  
Searching & Sorting find majority element <->  
Searching & Sorting Searching in an array where adjacent differ by at most k <->  
Searching & Sorting find a pair with a given difference <->  
Searching & Sorting find four elements that sum to a given value<->  
Searching & Sorting maximum sum such that no 2 elements are adjacent <->  
Searching & Sorting Count triplet with sum smaller than a given value <->  
Searching & Sorting merge 2 sorted arrays<->  
Searching & Sorting print all subarrays with 0 sum <->  
Searching & Sorting Product array Puzzle <->  
Searching & Sorting Sort array according to count of set bits <->  
Searching & Sorting minimum no. of swaps required to sort the array <->  
Searching & Sorting Bishu and Soldiers <->  
Searching & Sorting Rasta and Kheshtak <->  
Searching & Sorting Kth smallest number again <->  
Searching & Sorting Find pivot element in a sorted array <->  
Searching & Sorting K-th Element of Two Sorted Arrays <->  
Searching & Sorting Aggressive cows <->

Searching & Sorting	Book Allocation Problem	<->
Searching & Sorting	EKOSPOJ:	<->
Searching & Sorting	Job Scheduling Algo	<->
Searching & Sorting	Missing Number in AP	<->
Searching & Sorting	Smallest number with atleastn trailing zeroes infactorial	<->
Searching & Sorting	Painters Partition Problem:	<->
Searching & Sorting	ROTI-Prata SPOJ	<->
Searching & Sorting	DoubleHelix SPOJ	<->
Searching & Sorting	Subset Sums	<->
Searching & Sorting	Findthe inversion count	<->
Searching & Sorting	Implement Merge-sort in-place	<->
Searching & Sorting	Partitioning and Sorting Arrays with Many Repeated Entries	<->

LinkedList	Write a Program to reverse the Linked List. (Both Iterative and recursive)	<->
LinkedList	Reverse a Linked List in group of Given Size. [Very Imp]	<->
LinkedList	Write a program to Detect loop in a linked list.	<->
LinkedList	Write a program to Delete loop in a linked list.	<->
LinkedList	Find the starting point of the loop.	<->
LinkedList	Remove Duplicates in a sorted Linked List.	<->
LinkedList	Remove Duplicates in a Un-sorted Linked List.	<->
LinkedList	Write a Program to Move the last element to Front in a Linked List.	<->
LinkedList	Add "1" to a number represented as a Linked List.	<->
LinkedList	Add two numbers represented by linked lists.	<->
LinkedList	Intersection of two Sorted Linked List.	<->
LinkedList	Intersection Point of two Linked Lists.	<->
LinkedList	Merge Sort For Linked lists.[Very Important]	<->
LinkedList	Quicksort for Linked Lists.[Very Important]	<->
LinkedList	Find the middle Element of a linked list.	<->
LinkedList	Check if a linked list is a circular linked list.	<->

LinkedList	Split a Circular linked list into two halves.	<->
LinkedList	Write a Program to check whether the Singly Linked list is a palindrome or not.	<->
LinkedList	Deletion from a Circular Linked List.	<->
LinkedList	Reverse a Doubly Linked list.	<->
LinkedList	Find pairs with a given sum in a DLL.	<->
LinkedList	Count triplets in a sorted DLL whose sum is equal to given value "X".	<->
LinkedList	Sort a "k"sorted Doubly Linked list.[Very IMP]	<->
LinkedList	Rotate DoublyLinked list by N nodes.	<->
LinkedList	Rotate a Doubly Linked list in group of Given Size.[Very IMP]	<->
LinkedList	Can we reverse a linked list in less than $O(n)$ ?	<->
LinkedList	Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists ?	<->
LinkedList	Flatten a Linked List	<->
LinkedList	Sort a LL of 0's, 1's and 2's	<->
LinkedList	Clone a linked list with next and random pointer	<->
LinkedList	Merge K sorted Linked list	<->
LinkedList	Multiply 2 no. represented by LL	<->
LinkedList	Delete nodes which have a greater value on right side	<->
LinkedList	Segregate even and odd nodes in a Linked List	<->
LinkedList	Program for n'th node from the end of a Linked List	<->
LinkedList	Find the first non-repeating character from a stream of characters	<->

Binary Trees	level order traversal	<->
Binary Trees	Reverse Level Order traversal	<->
Binary Trees	Height of a tree	<->
Binary Trees	Diameter of a tree	<->
Binary Trees	Mirror of a tree	<->
Binary Trees	Inorder Traversal of a tree both using recursion and Iteration	<->
Binary Trees	Preorder Traversal of a tree both using recursion and Iteration	<->
Binary Trees	Postorder Traversal of a tree both using recursion and Iteration	<->

Binary Trees	Left View of a tree	<->	
Binary Trees	Right View of Tree	<->	
Binary Trees	Top View of a tree	<->	
Binary Trees	Bottom View of a tree	<->	
Binary Trees	Zig-Zag traversal of a binary tree	<->	
Binary Trees	Check if a tree is balanced or not	<->	
Binary Trees	Diagnol Traversal of a Binary tree	<->	
Binary Trees	Boundary traversal of a Binary tree	<->	
Binary Trees	Construct Binary Tree from String with Bracket Representation	<->	
Binary Trees	Convert Binary tree into Doubly Linked List	<->	
Binary Trees	Convert Binary tree into Sum tree	<->	
Binary Trees	Construct Binary tree from Inorder and preorder traversal	<->	
Binary Trees	Find minimum swaps required to convert a Binary tree into BST	<->	
Binary Trees	Check if Binary tree is Sum tree or not	<->	
Binary Trees	Check if all leaf nodes are at same level or not	<->	
Binary Trees	Check if a Binary Tree contains duplicate subtrees of size 2 or more [ IMP ]	<->	
Binary Trees	Check if 2 trees are mirror or not	<->	
Binary Trees	Sum of Nodes on the Longest path from root to leaf node	<->	
Binary Trees	Check if given graph is tree or not. [ IMP ]	<->	
Binary Trees	Find Largest subtree sum in a tree	<->	
Binary Trees	Maximum Sum of nodes in Binary tree such that no two are adjacent	<->	
Binary Trees	Print all "K" Sum paths in a Binary tree	<->	
Binary Trees	Find LCA in a Binary tree	<->	
Binary Trees	Find distance between 2 nodes in a Binary tree	<->	
Binary Trees	Kth Ancestor of node in a Binary tree	<->	
Binary Trees	Find all Duplicate subtrees in a Binary tree [ IMP ]	<->	
Binary Trees	Tree Isomorphism Problem	<->	

Binary Search Trees    Find a value in a BST   <->

Binary Search Trees	Deletion of a node in a BST	<->
Binary Search Trees	Find min and max value in a BST	<->
Binary Search Trees	Find inorder successor and inorder predecessor in a BST	<->
Binary Search Trees	Check if a tree is a BST or not	<->
Binary Search Trees	Populate Inorder successor of all nodes	<->
Binary Search Trees	Find LCA of 2 nodes in a BST	<->
Binary Search Trees	Construct BST from preorder traversal	<->
Binary Search Trees	Convert Binary tree into BST	<->
Binary Search Trees	Convert a normal BST into a Balanced BST	<->
Binary Search Trees	Merge two BST [ V.V.V>IMP ]	<->
Binary Search Trees	Find Kth largest element in a BST	<->
Binary Search Trees	Find Kth smallest element in a BST	<->
Binary Search Trees	Count pairs from 2 BST whose sum is equal to given value "X"	<->
Binary Search Trees	Find the median of BST in O(n) time and O(1) space	<->
Binary Search Trees	Count BST nodes that lie in a given range	<->
Binary Search Trees	Replace every element with the least greater element on its right	<->
Binary Search Trees	Given "n" appointments, find the conflicting appointments	<->
Binary Search Trees	Check preorder is valid or not	<->
Binary Search Trees	Check whether BST contains Dead end	<->
Binary Search Trees	Largest BST in a Binary Tree [ V.V.V.V.V IMP ]	<->
Binary Search Trees	Flatten BST to sorted list	<->

Greedy Activity Selection Problem <->

Greedy Job Sequencing Problem <->

Greedy Huffman Coding <->

Greedy Water Connection Problem <->

Greedy Fractional Knapsack Problem <->

Greedy Greedy Algorithm to find Minimum number of Coins <->

Greedy Maximum trains for which stoppage can be provided <->



Greedy Minimum Platforms Problem <->

Greedy Buy Maximum Stocks if i stocks can be bought on i-th day <->

Greedy Find the minimum and maximum amount to buy all N candies <->

Greedy Minimize Cash Flow among a given set of friends who have borrowed money from each other <->

Greedy Minimum Cost to cut a board into squares <->

Greedy Check if it is possible to survive on Island <->

Greedy Find maximum meetings in one room <->

Greedy Maximum product subset of an array <->

Greedy Maximize array sum after K negations <->

Greedy Maximize the sum of  $arr[i]*i$  <->

Greedy Maximum sum of absolute difference of an array <->

Greedy Maximize sum of consecutive differences in a circular array <->

Greedy Minimum sum of absolute difference of pairs of two arrays <->

Greedy Program for Shortest Job First (or SJF) CPU Scheduling <->

Greedy Program for Least Recently Used (LRU) Page Replacement algorithm <->

Greedy Smallest subset with sum greater than all other elements <->

Greedy Chocolate Distribution Problem <->

Greedy DEFKIN -Defense of a Kingdom <->

Greedy DIEHARD -DIE HARD <->

Greedy GERGOVIA -Wine trading in Gergovia <->

Greedy Picking Up Chicks <->

Greedy CHOCOLA –Chocolate <->

Greedy ARRANGE -Arranging Amplifiers <->

Greedy K Centers Problem <->

Greedy Minimum Cost of ropes <->

Greedy Find smallest number with given number of digits and sum of digits <->

Greedy Rearrange characters in a string such that no two adjacent are same <->

Greedy Find maximum sum possible equal sum of three stacks <->

BackTracking Rat in a maze Problem <->

BackTracking Printing all solutions in N-Queen Problem <->

BackTracking Word Break Problem using Backtracking <->

BackTracking Remove Invalid Parentheses <->

BackTracking Sudoku Solver <->

BackTracking m Coloring Problem <->

BackTracking Print all palindromic partitions of a string <->

BackTracking Subset Sum Problem <->

BackTracking The Knight's tour problem <->

BackTracking Tug of War <->

BackTracking Find shortest safe route in a path with landmines <->

BackTracking Combinational Sum <->

BackTracking Find Maximum number possible by doing at-most K swaps <->

BackTracking Print all permutations of a string <->

BackTracking Find if there is a path of more than k length from a source <->

BackTracking Longest Possible Route in a Matrix with Hurdles <->

BackTracking Print all possible paths from top left to bottom right of a mXn matrix <->

BackTracking Partition of a set into K subsets with equal sum <->

BackTracking Find the K-th Permutation Sequence of first N natural numbers <->

Stacks & Queues Implement Stack from Scratch <->

Stacks & Queues Implement Queue from Scratch <->

Stacks & Queues Implement 2 stack in an array <->

Stacks & Queues find the middle element of a stack <->

Stacks & Queues Implement "N" stacks in an Array <->

Stacks & Queues Check the expression has valid or Balanced parenthesis or not. <->

Stacks & Queues Reverse a String using Stack <->

Stacks & Queues Design a Stack that supports getMin() in O(1) time and O(1) extra space. <->

Stacks & Queues Find the next Greater element <->

Stacks & Queues	The celebrity Problem<->	
Stacks & Queues	Arithmetic Expression evaluation	<->
Stacks & Queues	Evaluation of Postfix expression	<->
Stacks & Queues	Implement a method to insert an element at its bottom without using any other data structure.	<->
Stacks & Queues	Reverse a stack using recursion	<->
Stacks & Queues	Sort a Stack using recursion	<->
Stacks & Queues	Merge Overlapping Intervals	<->
Stacks & Queues	Largest rectangular Area in Histogram	<->
Stacks & Queues	Length of the Longest Valid Substring	<->
Stacks & Queues	Expression contains redundant bracket or not	<->
Stacks & Queues	Implement Stack using Queue	<->
Stacks & Queues	Implement Stack using Deque	<->
Stacks & Queues	Stack Permutations (Check if an array is stack permutation of other)	<->
Stacks & Queues	Implement Queue using Stack	<->
Stacks & Queues	Implement "n" queue in an array	<->
Stacks & Queues	Implement a Circular queue	<->
Stacks & Queues	LRU Cache Implementation	<->
Stacks & Queues	Reverse a Queue using recursion	<->
Stacks & Queues	Reverse the first "K" elements of a queue	<->
Stacks & Queues	Interleave the first half of the queue with second half	<->
Stacks & Queues	Find the first circular tour that visits all Petrol Pumps	<->
Stacks & Queues	Minimum time required to rot all oranges	<->
Stacks & Queues	Distance of nearest cell having 1 in a binary matrix	<->
Stacks & Queues	First negative integer in every window of size "k"	<->
Stacks & Queues	Check if all levels of two trees are anagrams or not.	<->
Stacks & Queues	Sum of minimum and maximum elements of all subarrays of size "k".	<->
Stacks & Queues	Minimum sum of squares of character counts in a given string after removing "k" characters.	<->
Stacks & Queues	Queue based approach or first non-repeating character in a stream.	<->
Stacks & Queues	Next Smaller Element	<->

Heap Implement a Maxheap/MinHeap using arrays and recursion. <->

Heap Sort an Array using heap. (HeapSort) <->

Heap Maximum of all subarrays of size k. <->

Heap "k" largest element in an array <->

Heap Kth smallest and largest element in an unsorted array <->

Heap Merge "K" sorted arrays. [ IMP ] <->

Heap Merge 2 Binary Max Heaps <->

Heap Kth largest sum continuous subarrays <->

Heap Leetcode- reorganize strings <->

Heap Merge "K" Sorted Linked Lists [V.IMP] <->

Heap Smallest range in "K" Lists <->

Heap Median in a stream of Integers <->

Heap Check if a Binary Tree is Heap <->

Heap Connect "n" ropes with minimum cost <->

Heap Convert BST to Min Heap <->

Heap Convert min heap to max heap <->

Heap Rearrange characters in a string such that no two adjacent are same. <->

Heap Minimum sum of two numbers formed from digits of an array <->

Graph Create a Graph, print it <->

Graph Implement BFS algorithm <->

Graph Implement DFS Algo <->

Graph Detect Cycle in Directed Graph using BFS/DFS Algo <->

Graph Detect Cycle in UnDirected Graph using BFS/DFS Algo <->

Graph Search in a Maze <->

Graph Minimum Step by Knight <->

Graph flood fill algo <->

Graph Clone a graph <->

Graph Making wired Connections <->

Graph word Ladder <->

Graph Dijkstra algo <->

Graph Implement Topological Sort <->

Graph Minimum time taken by each job to be completed given by a Directed Acyclic Graph <->

Graph Find whether it is possible to finish all tasks or not from given dependencies <->

Graph Find the no. of Islands<->

Graph Given a sorted Dictionary of an Alien Language, find order of characters <->

Graph Implement Kruksal'sAlgorithm <->

Graph Implement Prim's Algorithm <->

Graph Total no. of Spanning tree in a graph <->

Graph Implement Bellman Ford Algorithm <->

Graph Implement Floyd warshallAlgorithm <->

Graph Travelling Salesman Problem <->

Graph Graph ColouringProblem <->

Graph Snake and Ladders Problem <->

Graph Find bridge in a graph <->

Graph Count Strongly connected Components(Kosaraju Algo) <->

Graph Check whether a graph is Bipartite or Not <->

Graph Detect Negative cycle in a graph <->

Graph Longest path in a Directed Acyclic Graph <->

Graph Journey to the Moon <->

Graph Cheapest Flights Within K Stops <->

Graph Oliver and the Game <->

Graph Water Jug problem using BFS <->

Graph Water Jug problem using BFS <->

Graph Find if there is a path of more than length from a source <->

Graph M-ColouringProblem <->

Graph Minimum edges to reverse o make path from source to destination <->

Graph Paths to travel each nodes using each edge(Seven Bridges) <->

Graph Vertex Cover Problem<->

Graph Chinese Postman or Route Inspection <->

Graph Number of Triangles in a Directed and Undirected Graph <->

Graph Minimise the cashflow among a given set of friends who have borrowed money from each other  
<->

Graph Two Clique Problem <->

Trie Construct a trie from scratch <->

Trie Find shortest unique prefix for every word in a given list <->

Trie Word Break Problem | (Trie solution) <->

Trie Given a sequence of words, print all anagrams together <->

Trie Implement a Phone Directory<->

Trie Print unique rows in a given boolean matrix <->

Dynamic Programming Coin ChangeProblem <->

Dynamic Programming Knapsack Problem <->

Dynamic Programming Binomial CoefficientProblem <->

Dynamic Programming Permutation CoefficientProblem <->

Dynamic Programming Program for nth Catalan Number <->

Dynamic Programming Matrix Chain Multiplication <->

Dynamic Programming Edit Distance <->

Dynamic Programming Subset Sum Problem <->

Dynamic Programming Friends Pairing Problem <->

Dynamic Programming Gold Mine Problem <->

Dynamic Programming Assembly Line SchedulingProblem <->

Dynamic Programming Painting the Fenceproblem <->

Dynamic Programming Maximize The Cut Segments <->

Dynamic Programming	Longest Common Subsequence	<->
Dynamic Programming	Longest Repeated Subsequence	<->
Dynamic Programming	Longest Increasing Subsequence	<->
Dynamic Programming	Space Optimized Solution of LCS	<->
Dynamic Programming	LCS (Longest Common Subsequence) of three strings	<->
Dynamic Programming	Maximum Sum Increasing Subsequence	<->
Dynamic Programming	Count all subsequences having product less than K	<->
Dynamic Programming	Longest subsequence such that difference between adjacent is one	<->
Dynamic Programming	Maximum subsequence sum such that no three are consecutive	<->
Dynamic Programming	Egg Dropping Problem	<->
Dynamic Programming	Maximum Length Chain of Pairs	<->
Dynamic Programming	Maximum size square sub-matrix with all 1s	<->
Dynamic Programming	Maximum sum of pairs with specific difference	<->
Dynamic Programming	Min Cost Path Problem	<->
Dynamic Programming	Maximum difference of zeros and ones in binary string	<->
Dynamic Programming	Minimum number of jumps to reach end	<->
Dynamic Programming	Minimum cost to fill given weight in a bag	<->
Dynamic Programming	Minimum removals from array to make max –min <= K	<->
Dynamic Programming	Longest Common Substring	<->
Dynamic Programming	Count number of ways to reach a given score in a game	<->
Dynamic Programming	Count Balanced Binary Trees of Height h	<->
Dynamic Programming	Largest Sum Contiguous Subarray [V>V>V>V IMP]	<->
Dynamic Programming	Smallest sum contiguous subarray	<->
Dynamic Programming	Unbounded Knapsack (Repetition of items allowed)	<->
Dynamic Programming	Word Break Problem	<->
Dynamic Programming	Largest Independent Set Problem	<->
Dynamic Programming	Partition problem	<->
Dynamic Programming	Longest Palindromic Subsequence	<->
Dynamic Programming	Count All Palindromic Subsequence in a given String	<->
Dynamic Programming	Longest Palindromic Substring	<->

Dynamic Programming	Longest alternating subsequence	<->
Dynamic Programming	Weighted Job Scheduling	<->
Dynamic Programming	Coin game winner where every player has three choices	<->
Dynamic Programming	Count Derangements (Permutation such that no element appears in its original position) [ IMP ]	<->
Dynamic Programming	Maximum profit by buying and selling a share at most twice [ IMP ]	<->
Dynamic Programming	Optimal Strategy for a Game	<->
Dynamic Programming	Optimal Binary Search Tree	<->
Dynamic Programming	Palindrome Partitioning Problem	<->
Dynamic Programming	Word Wrap Problem	<->
Dynamic Programming	Mobile Numeric Keypad Problem [ IMP ]	<->
Dynamic Programming	Boolean Parenthesization Problem	<->
Dynamic Programming	Largest rectangular sub-matrix whose sum is 0	<->
Dynamic Programming <->	Largest area rectangular sub-matrix with equal number of 1's and 0's [ IMP ]	<->
Dynamic Programming	Maximum sum rectangle in a 2D matrix	<->
Dynamic Programming	Maximum profit by buying and selling a share at most k times	<->
Dynamic Programming	Find if a string is interleaved of two other strings	<->
Dynamic Programming	Maximum Length of Pair Chain	<->

Bit Manipulation	Count set bits in an integer	<->
Bit Manipulation	Find the two non-repeating elements in an array of repeating elements	<->
Bit Manipulation	Count number of bits to be flipped to convert A to B	<->
Bit Manipulation	Count total set bits in all numbers from 1 to n	<->
Bit Manipulation	Program to find whether a no is power of two	<->
Bit Manipulation	Find position of the only set bit	<->
Bit Manipulation	Copy set bits in a range	<->
Bit Manipulation	Divide two integers without using multiplication, division and mod operator	<->
Bit Manipulation	Calculate square of a number without using *, / and pow()	<->
Bit Manipulation	Power Set	<->