

Topic:	Problem:	Done [yes or no]
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 consecutive 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 at most 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 Karo 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	Bishops 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 atleast n trailing zeroes infactorial	<>
Searching & Sorting	Painters Partition Problem:	<>
Searching & Sorting	ROT13-Prata SPOJ	<>
Searching & Sorting	DoubleHelix SPOJ	<>
Searching & Sorting	Subset Sums	<>
Searching & Sorting	Find the 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 Doubly Linked 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	Separate 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	Diagonal 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 [VVV>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 [VVVVV 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 Gerzovia	<=>
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 Kruskal's Algorithm	<>
Graph	Implement Prim's Algorithm	<>
Graph	Total no. of Spanning tree in a graph	<>
Graph	Implement Bellman Ford Algorithm	<>
Graph	Implement Floyd warshall Algorithm	<>
Graph	Travelling Salesman Problem	<>
Graph	Graph Colouring Problem	<>
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 DFS	<>
Graph	Find if there is a path of more than length from a source	<>
Graph	M-Colouring Problem	<>
Graph	Minimum edges to reverse to make path from source to destination	<>
Graph	Paths to travel each node 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 I (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 Change Problem	<=>
Dynamic Programming	Knapsack Problem	<=>
Dynamic Programming	Binomial Coefficient Problem	<=>
Dynamic Programming	Permutation Coefficient Problem	<=>
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 Scheduling Problem	<=>
Dynamic Programming	Painting the Fence Problem	<=>
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) [IMPORTANT]	<=>
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	<=>