Topic:	Problem:							
Array	Reverse the array							
Array	Find the maximum and	<u>d minimum e</u>	lement in an	array				
Array	Find the "Kth" max and	<u>min elemer</u>	nt of an array	<u>/_</u>				
Array	Given an array which o	onsists of on	ly 0, 1 and 2	. Sort the ar	ray without	using any so	rting algo	
Array	Move all the negative	elements to o	one side of t	he array				
Array	Find the Union and Int	ersection of	the two sort	ed arrays.				
Array	Write a program to cyc	lically rotate	an array by	one.				
Array	find Largest sum conti	<u>guous Subarr</u>	ay [V. IMP]					
Array	Minimise the maximur	n difference	<u>between hei</u>	ghts [V.IMP]				
Array	Minimum no. of Jumps	to reach en	d of an array					
Array	find duplicate in an arr	ay of N+1 Int	egers					
Array	Merge 2 sorted arrays	without usin	g Extra spac	<u>e.</u>				
Array	Kadane's Algo [V.V.V.V.\	<u>/ IMP]</u>						
Array	Merge Intervals							
Array	Next Permutation							
Array	Count Inversion							
Array	Best time to buy and S	ell stock						
Array	find all pairs on intege	r array whose	e sum is equ	al to given n	<u>umber</u>			
Array	find common elements In 3 sorted arrays							
Array	Rearrange the array in	alternating p	ositive and	negative iter	ms with O(1)	extra space		
Array	Find if there is any sub	array with su	m equal to (<u>)</u>				
Array	Find factorial of a large	<u>number</u>						

Array	find maximum product subarray						
Array	Find longest coinsecutive subsequence						
Array	Given an array of size n and a number k, fin 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 matriix						
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-cpumn 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 tofind 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
rching 9 Car	Find first and last positions of an element in a sorted array
_	Find first and last positions of an element in a sorted array
rcning & Sor	Find a Fixed Point (Value equal to index) in a given array

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

rching & Sor	Job Scheduling Algo								
rching & Sor	Missing Number in AP								
rching & Sor	Smallest number with atleastn trailing zeroes infactorial								
rching & Sor	Painters Partition Problem:								
rching & Sor	ROTI-Prata SPOJ								
rching & Sor	1 DoubleHelix SPOJ								
rching & Sor	t <u>Subset Sums</u>								
rching & Sor	Findthe inversion count								
rching & Sor	Implement Merge-sort in-place								
rching & Sor	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]
	Find the middle Element of a linked list.
	Check if a linked list is a circular linked list.
LinkedList	Split a Circular linked list into two halves.
	Write a Program to check whether the Singly Linked list is a palindrome or not.
	Deletion from a Circular Linked List.
	Reverse a Doubly Linked list.
	Find pairs with a given sum in a DLL.
	Count triplets in a sorted DLL whose sum is equal to given value "X".
	Sort a "k"sorted Doubly Linked list.[Very IMP]
	Rotate DoublyLinked list by N nodes.
	Rotate a Doubly Linked list in group of Given Size.[Very IMP]
	Can we reverse a linked list in less than O(n) ?
LinkedList	Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists?
	Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists ? Flatten a Linked List
LinkedList	
LinkedList LinkedList	Flatten a Linked List
LinkedList LinkedList LinkedList	Flatten a Linked List Sort a LL of 0's, 1's and 2's
LinkedList LinkedList LinkedList LinkedList	Flatten a Linked List Sort a LL of 0's, 1's and 2's Clone a linked list with next and random pointer
LinkedList LinkedList LinkedList LinkedList LinkedList	Sort a LL of 0's, 1's and 2's Clone a linked list with next and random pointer Merge K sorted Linked list
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Flatten a Linked List Sort a LL of 0's, 1's and 2's Clone a linked list with next and random pointer Merge K sorted Linked list Multiply 2 no. represented by LL
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Flatten a Linked List Sort a LL of 0's, 1's and 2's Clone a linked list with next and random pointer Merge K sorted Linked list Multiply 2 no. represented by LL Delete nodes which have a greater value on right side
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Flatten a Linked List Sort a LL of 0's, 1's and 2's Clone a linked list with next and random pointer Merge K sorted Linked list Multiply 2 no. represented by LL Delete nodes which have a greater value on right side Segregate even and odd nodes in a Linked List Program for n'th node from the end of a Linked List
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Sort a LL of 0's, 1's and 2's Clone a linked list with next and random pointer Merge K sorted Linked list Multiply 2 no. represented by LL Delete nodes which have a greater value on right side Segregate even and odd nodes in a Linked List

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	<u>leaf node</u>			
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	t no two are	<u>adjacent</u>		
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	2]			
Binary Trees	Tree Isomorphism Problem				
ary Soarch Tr	<u>Fina a value in a BST</u>				
	Deletion of a node in a BST				
	Find min and max value in a BST				
	Find inorder successor and inorder predecessor	in a DCT			
		III a DST			
	Check if a tree is a BST or not				
-	Populate Inorder successor of all nodes				
-	Find LCA of 2 nodes in a BST				
	Construct BST from preorder traversal				
-	Convert Binary tree into BST				
-	Convert a normal BST into a Balanced BST				
	Merge two BST [V.V.V>IMP]				
ary Search Tr	Find Kth largest element in a BST				

ary Search Tr	Find Kth smallest element in a BST						
ary Search Tr	r Count pairs from 2 BST whose sum is equal to give	<u>en value "ک</u>	<u><"</u>				
ary Search Tr	Tr Find the median of BST in O(n) time and O(1) space						
ary Search Tr	Count BST ndoes that lie in a given range						
ary Search Tr	Replace every element with the least greater ele	ment on its	right				
ary Search Tr	r Given "n" appointments, find the conflicting app	<u>ointments</u>					
ary Search Tr	r Check preorder is valid or not						
ary Search Tr	r Check whether BST contains Dead end						
ary Search Tr	Largest BST in a Binary Tree [V.V.V.V.V IMP]						
ary Search Tr	r Flatten BST to sorted list						
Greedy	Activity Selection Problem						
Greedy	Job SequencingProblem						
Greedy	Huffman Coding						
Greedy	Water Connection Problem						
Greedy	Fractional Knapsack Problem						
Greedy	Greedy Algorithm to find Minimum number of Co	oins					
Greedy	Maximum trains for which stoppage can be provi						
Greedy	Minimum Platforms Problem	<u>ided</u>					
Greedy	Buy Maximum Stocks if i stocks can be bought or	n i_th day					
Greedy	Find the minimum and maximum amount to buy	•	AC .				
Greedy	Minimize Cash Flow among a given set of friends			oney from o	ach other		
•	Minimum Cost to cut a board into squares	wiio iiave	borrowed III		acii otiiei		
Greedy							
Greedy	<u>Check if it is possible to survive on Island</u>						

Croody	Find maximum mootings in one room
Greedy	<u>Find maximum meetings in one room</u>
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	<u>Chocolate Distribution Problem</u>
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	g Rat in a maze Problem

BackTracking Printing all solutions in	N-Queen Pro	<u>oblem</u>					
BackTracking Word Break Problem using Backtracking							
BackTracking Remove Invalid Parenth	ackTracking Remove Invalid Parentheses						
BackTracking Sudoku Solver							
BackTracking m Coloring Problem							
BackTracking Print all palindromic pa	rtitions of a	string					
BackTracking Subset Sum Problem							
BackTracking The Knight's tour proble	<u>em</u>						
BackTracking Tug of War							
BackTracking Find shortest safe route	in a path w	<u>ith landmine</u>	<u>es</u>				
BackTracking Combinational Sum							
BackTracking Find Maximum number	possible by	doing at-mo	ost K swaps				
BackTracking Print all permutations of	of a string						
BackTracking Find if there is a path of	more than	k length fror	m a source				
BackTracking Longest Possible Route	in a Matrix v	with Hurdles					
BackTracking Print all possible paths	from top left	t to bottom i	right of a m	<u>(n matrix</u>			
BackTracking Partition of a set intoK s	subsets with	equal sum					
BackTracking Find the K-th Permutati	on Sequenc	e of first N n	atural numb	<u>oers</u>			
acks & Queu Implement Stack from	Scratch						
acks & Queu Implement Queue fron	n Scratch						
acks & Queu Implement 2 stack in ar	n array						
acks & Queu find the middle elemen	t of a stack						
acks & Queu Implement "N" stacks in	n an Array						
				1	-		1

acks & Queu Check the expression has valid or Bal	anced parenth	esis or not.		
acks & Queu Reverse a String using Stack				
acks & Queu Design a Stack that supports getMin() in O(1) time a	and O(1) extra space.		
acks & Queu Find the next Greater element				
acks & Queu The celebrity Problem				
acks & Queu Arithmetic Expression evaluation				
acks & Queu Evaluation of Postfix expression				
acks & Queu Implement a method to insert an ele	ment at its bot	tom without using a	ny other data structu	re.
acks & Queu Reverse a stack using recursion				
acks & Queu Sort a Stack using recursion				
acks & Queu Merge Overlapping Intervals				
acks & Queu Largest rectangular Area in Histogran	<u>n</u>			
acks & Queu Length of the Longest Valid Substring	I .			
acks & Queu Expression contains redundant brack	et or not			
acks & Queu Implement Stack using Queue				
acks & Queu Implement Stack using Deque				
acks & Queu Stack Permutations (Check if an array	<u>/ is stack perm</u>	utation of other)		
acks & Queu Implement Queue using Stack				
acks & Queu Implement "n" queue in an array				
acks & Queu Implement a Circular queue				
acks & Queu LRU Cache Implementationa				
acks & Queu Reverse a Queue using recursion				
acks & Queu Reverse the first "K" elements of a qu	<u>ueue</u>			
acks & Queu Interleave the first half of the queue	with second ha	alf		

acks & Queu	Find the first circular tour that visits all Petrol Pumps			
acks & Queu	Minimum time required to rot all oranges			
acks & Queu	Distance of nearest cell having 1 in a binary matrix			
acks & Queu	First negative integer in every window of size "k"			
acks & Queu	Check if all levels of two trees are anagrams or not.			
acks & Queu	Sum of minimum and maximum elements of all subarrays of size "k".			
acks & Queu	Minimum sum of squares of character counts in a given string after removing "k" characters.			
acks & Queu	Queue based approach or first non-repeating character in a stream.			
acks & Queu	Next Smaller Element			
Неар	Implement a Mayhean/MinHean using arrays and recursion			
•	Implement a Maxheap/MinHeap using arrays and recursion.			
Heap	Sort an Array using heap. (HeapSort)			
Heap	Maximum of all subarrays of size k.			
Неар	"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	<u>Leetcode- reorganize strings</u>			
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 Isalnds			
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	<u>Travelling Salesman Problem</u>		
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 thank 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	<u>Vertex Cover Problem</u>		
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						
		t . l.					
Trie	Construct a trie from scratch						
Trie	Find shortest unique pre			<u>given list</u>			
Trie	Word Break Problem (Trie solutior	<u>1)</u>				
Trie	Given a sequence of wo	rds, print all	anagrams t	<u>ogether</u>			
Trie	Implement a Phone Dire	ectory					
Trie	Print unique rows in a g	iven boolea	n matrix				
	Caire Change Duals I am						
	<u>Coin ChangeProblem</u>						
	Knapsack Problem						
mic Program	Binomial CoefficientPro	<u>olem</u>					
mic Program	Permutation Coefficient	<u>Problem</u>					
mic Program	Program for nth Catalan	Number					
mic Program	Matrix Chain Multiplicat	<u>tion</u>					
mic Program	Edit Distance						
mic Program	<u>Subset Sum Problem</u>						
mic Program	Friends Pairing Problem						
mic Program	Gold Mine Problem						
mic Program	Assembly Line Schedulin	ngProblem					
mic Program	Painting the Fenceprobl	<u>em</u>					
mic Program	Maximize The Cut Segm	<u>ents</u>					
mic Program	Longest Common Subse	<u>quence</u>					

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

mic Program Largest Independent Set Problem	
mic Program Partition problem	
mic Program Longest Palindromic Subsequence	
mic Program Count All Palindromic Subsequence in a given String	
mic Program Longest Palindromic Substring	
mic Program Longest alternating subsequence	
mic Program Weighted Job Scheduling	
mic Program Coin game winner where every player has three choice	<u>ces</u>
mic Program Count Derangements (Permutation such that no elem	nent appears in its original position) [IMPORTANT]
mic Program Maximum profit by buying and selling a share at mos	t twice [IMP]
mic Program Optimal Strategy for a Game	
mic Program Optimal Binary Search Tree	
mic Program Palindrome PartitioningProblem	
mic Program Word Wrap Problem	
mic Program Mobile Numeric Keypad Problem [IMP]	
mic Program Boolean Parenthesization Problem	
mic Program Largest rectangular sub-matrix whose sum is 0	
mic Program Largest area rectangular sub-matrix with equal numb	er of 1's and 0's [IMP]
mic Program Maximum sum rectangle in a 2D matrix	
mic Program Maximum profit by buying and selling a share at mos	t k times
mic Program Find if a string is interleaved of two other strings	
mic Program Maximum Length of Pair Chain	
t Manipulatic Count set bits in an integer	
Liviampalati Count Set Dits in an integer	

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