	Questions by Love Babbar: Youtube Channel: https://www.youtube.com/channel/UCQHLxxBFrbfdrk1jF0moTpw		
Topic:	Problem:	<u>Done</u>	S.NO
Array	Reverse the array	<->	1
Array	Find the maximum and minimum element in an array	<->	2
Array	Find the "Kth" max and min element of an array	<->	3
Array	Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algo	<->	4
Array	Move all the negative elements to one side of the array	<->	5
Array	Find the Union and Intersection of the two sorted arrays.	<->	6
Array	Write a program to cyclically rotate an array by one.	<->	7
Array	find Largest sum contiguous Subarray [V. IMP]	<->	8
Array	Minimise the maximum difference between heights [V.IMP]	<->	9
Array	Minimum no. of Jumps to reach end of an array	<->	10
Array	find duplicate in an array of N+1 Integers	<->	11
Array	Merge 2 sorted arrays without using Extra space.	<->	12
Array	Kadane's Algo [V.V.V.V IMP]	<->	13
Array	Merge Intervals	<->	14
Array	Next Permutation	<->	15
Array	Count Inversion	<->	16
Array	Best time to buy and Sell stock	<->	17
Array	find all pairs on integer array whose sum is equal to given number	<->	18
Array	find common elements In 3 sorted arrays Rearrange the array in alternating positive and negative items with O(1) extra space	<->	19
Array	Find if there is any subarray with sum equal to 0	<->	20
Array Array	Find if there is any subarray with sum equal to 0 Find factorial of a large number	<->	21
Array	find maximum product subarray	<->	22 23
Array	Find longest coinsecutive subsequence	<->	23
Array	Given an array of size n and a number k, fin all elements that appear more than " n/k " times.	<->	25
Array	Maximum profit by buying and selling a share atmost twice	<->	26
Array	Find whether an array is a subset of another array	<->	27
Array	Find the triplet that sum to a given value	<->	28
Array	Trapping Rain water problem	<->	29
Array	Chocolate Distribution problem	<->	30
Array	Smallest Subarray with sum greater than a given value	<->	31
Array	Three way partitioning of an array around a given value	<->	32
Array	Minimum swaps required bring elements less equal K together	<->	33
Array	Minimum no. of operations required to make an array palindrome	<->	34
Array	Median of 2 sorted arrays of equal size	<->	35
Array	Median of 2 sorted arrays of different size	<->	36
Matrix	Spiral traversal on a Matrix	<->	37
Matrix	Search an element in a matriix	<->	38
Matrix	Find median in a row wise sorted matrix	<->	39
Matrix	Find row with maximum no. of 1's	<->	40
Matrix	Print elements in sorted order using row-column wise sorted matrix	<->	41
Matrix	Maximum size rectangle	<->	42
Matrix	Find a specific pair in matrix	<->	43
Matrix	Rotate matrix by 90 degrees	<->	44
Matrix	Kth smallest element in a row-cpumn wise sorted matrix	<->	45
Matrix	Common elements in all rows of a given matrix	<>>	46
String	Reverse a String		47
String	Check whether a String is Palindrome or not	<->	48
String	Find Duplicate characters in a string	<->	48
String	Why strings are immutable in Java?	<->	50
String	Write a Code to check whether one string is a rotation of another	<->	51
String	Write a Program to check whether a string is a valid shuffle of two strings or not	<->	52
String	Count and Say problem	<->	53
String	Write a program to find the longest Palindrome in a string.[Longest palindromic Substring]	<->	54
String	Find Longest Recurring Subsequence in String	<->	55
String	Print all Subsequences of a string.	<->	56
String	Print all the permutations of the given string	<->	57
String	Split the Binary string into two substring with equal 0's and 1's	<->	58
String	Word Wrap Problem [VERY IMP].	<->	59
String	EDIT Distance [Very Imp]	<->	60
String	Find next greater number with same set of digits. [Very Very IMP]	<->	61
String	Balanced Parenthesis problem.[Imp]	<->	62
	W1 b1 D-11 TV T1		
String String	Word break Problem[Very Imp] Rabin Karp Algo	<->	63

String	Convert a Sentence into its equivalent mobile numeric keypad sequence.	<->	66
String	Minimum number of bracket reversals needed to make an expression balanced.	<->	67
	Count All Palindromic Subsequence in a given String.	<->	68
	Count of number of given string in 2D character array	<->	69
	Search a Word in a 2D Grid of characters.	<->	70
String	Boyer Moore Algorithm for Pattern Searching.	<->	71
	Converting Roman Numerals to Decimal	<->	72
String	Longest Common Prefix	<->	73
	Number of flips to make binary string alternate	<->	74
	Find the first repeated word in string.	<->	75
String	Minimum number of swaps for bracket balancing. Find the longest common subsequence between two strings.	<->	76
	Program to generate all possible valid IP addresses from given string.	<->	77
String	Write a program to find the smallest window that contains all characters of string itself.	<->	78
String String	Rearrange characters in a string such that no two adjacent are same	<->	79
	Minimum characters to be added at front to make string palindrome	<>>	80
	Given a sequence of words, print all anagrams together	<->	81 82
	Find the smallest window in a string containing all characters of another string	<->	82
	Recursively remove all adjacent duplicates		
String	String matching where one string contains wildcard characters	<->	84
	Function to find Number of customers who could not get a computer	<->	85
String	Transform One String to Another using Minimum Number of Given Operation		86
	Check if two given strings are isomorphic to each other	<>>	87
	Recursively print all sentences that can be formed from list of word lists	<->	88
String	recensivery print an sentences may can be formed from fist of word fists	<->	89
earching & Sorting	Find first and last positions of an element in a sorted array		90
	Find a Fixed Point (Value equal to index) in a given array	<->	
	Search in a rotated sorted array	<>>	91
	square root of an integer	<->	92 93
	Maximum and minimum of an array using minimum number of comparisons		
	Optimum location of point to minimize total distance	<>>	94
	Find the repeating and the missing	<->	95
	find majority element	<->	96
	Searching in an array where adjacent differ by at most k	<->	97
	find a pair with a given difference	<->	98
	find four elements that sum to a given value	<->	99
earching & Sorting	maximum sum such that no 2 elements are adjacent	<->	100
earching & Sorting_ earching & Sorting	Count triplet with sum smaller than a given value	<->	101
	merge 2 sorted arrays	<->	102
	print all subarrays with 0 sum	<->	103 104
earching & Sorting	Product array Puzzle		104
	Sort array according to count of set bits	<->	
	minimum no. of swaps required to sort the array	<->	106
	Bishu and Soldiers	<->	107
	Rasta and Kheshtak	<->	108
		<->	109
	Kth smallest number again	<->	110
	Find pivot element in a sorted array	<->	111
	K-th Element of Two Sorted Arrays	<->	112
earching & Sorting	Aggressive cows Per la Allegation Parallella	<->	113
	Book Allocation Problem	<->	114
	EKOSPOJ:	<->	115
	Job Scheduling Algo Missing Number in A.P.	<->	116
earching & Sorting	Missing Number in AP	<->	117
earching & Sorting	Smallest number with atleastn trailing zeroes infactorial	<->	118
earching & Sorting	Painters Partition Problem:	<->	119
earching & Sorting	ROTI-Prata SPOJ	<->	120
0 0	DoubleHelix SPOJ	<->	121
earching & Sorting	Subset Sums E: Marie Control of the	<->	122
earching & Sorting	Findthe inversion count	<->	123
cauching V. Couting	Implement Merge-sort in-place	<->	124
	Partitioning and Sorting Arrays with Many Repeated Entries	<>>	125
earching & Sorting	Write a Program to reverse the Linked Liet (Path Iterative and recommittee)		
earching & Sorting LinkedList	Write a Program to reverse the Linked List. (Both Iterative and recursive)	↔	126
earching & Sorting LinkedList LinkedList	Reverse a Linked List in group of Given Size. [Very Imp]	<->	127
earching & Sorting LinkedList LinkedList LinkedList	Reverse a Linked List in group of Given Size. [Very Imp] Write a program to Detect loop in a linked list.	<> <>	127 128
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Reverse a Linked List in group of Given Size. [Very Imp] Write a program to Detect loop in a linked list. Write a program to Delete loop in a linked list.	⇔ ⇔ ⇔	127 128 129
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Reverse a Linked List in group of Given Size. [Very Imp] Write a program to Detect loop in a linked list. Write a program to Delete loop in a linked list. Find the starting point of the loop.	⇔ ⇔ ⇔ ⇔	127 128 129 130
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Reverse a Linked List in group of Given Size. [Very Imp] Write a program to Detect loop in a linked list. Write a program to Delete loop in a linked list. Find the starting point of the loop. Remove Duplicates in a sorted Linked List.	⇔ ⇔ ⇔ ⇔	127 128 129 130
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Reverse a Linked List in group of Given Size. [Very Imp] Write a program to Detect loop in a linked list. Write a program to Delete loop in a linked list. Find the starting point of the loop. Remove Duplicates in a sorted Linked List. Remove Duplicates in a Un-sorted Linked List.	⇔ ⇔ ⇔ ⇔	127 128 129 130 131
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Reverse a Linked List in group of Given Size. [Very Imp] Write a program to Detect loop in a linked list. Write a program to Delete loop in a linked list. Find the starting point of the loop. Remove Duplicates in a sorted Linked List.	⇔ ⇔ ⇔ ⇔	127 128 129 130

LinkedList	Intersection of two Sorted Linked List.	<⇒	136
LinkedList	Intersection Point of two Linked Lists.	<->	137
LinkedList	Merge Sort For Linked lists.[Very Important]	<->	138
LinkedList	Quicksort for Linked Lists.[Very Important]	<->	139
LinkedList	Find the middle Element of a linked list.	<->	140
LinkedList	Check if a linked list is a circular linked list.	<->	141
LinkedList	Split a Circular linked list into two halves.	<>	142
LinkedList	Write a Program to check whether the Singly Linked list is a palindrome or not.	<->	143
LinkedList	<u>Deletion from a Circular Linked List.</u>	<->	144
LinkedList	Reverse a Doubly Linked list.	<->	145
LinkedList	<u>Find pairs with a given sum in a DLL.</u>	<->	146
LinkedList	Count triplets in a sorted DLL whose sum is equal to given value "X".	<->	147
LinkedList	Sort a "k"sorted Doubly Linked list.[Very IMP]	<->	148
LinkedList	Rotate DoublyLinked list by N nodes.	<->	149
LinkedList	Rotate a Doubly Linked list in group of Given Size.[Very IMP]	<>	150
LinkedList	Can we reverse a linked list in less than O(n)?	<->	151
LinkedList	Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists?	<->	152
LinkedList	Flatten a Linked List	<->	153
LinkedList	Sort a LL of 0's, 1's and 2's	<>	154
LinkedList	Clone a linked list with next and random pointer	<>	155
LinkedList	Merge K sorted Linked list	<>	156
LinkedList	Multiply 2 no. represented by LL	<⇒	157
LinkedList	Delete nodes which have a greater value on right side	<⇒	157
LinkedList	Segregate even and odd nodes in a Linked List		
LinkedList	Program for n'th node from the end of a Linked List	<>	159
	Find the first non-repeating character from a stream of characters	<>	160
LinkedList	ring the first non-repeating character from a stream of characters	<->	161
Binary Trees	level order traversal	<>>	162
Binary Trees	Reverse Level Order traversal	<->	163
Binary Trees	<u>Height of a tree</u>	<>>	164
Binary Trees	<u>Diameter of a tree</u>	<->	165
Binary Trees	Mirror of a tree	<->	166
Binary Trees	Inorder Traversal of a tree both using recursion and Iteration	<->	167
Binary Trees	Preorder Traversal of a tree both using recursion and Iteration	<->	168
Binary Trees	Postorder Traversal of a tree both using recursion and Iteration	<->	169
Binary Trees	Left View of a tree	<->	170
Binary Trees	Right View of Tree	<⇒	171
Binary Trees	Top View of a tree	<⇒	172
Binary Trees	Bottom View of a tree	<⇒	173
Binary Trees	Zig-Zag traversal of a binary tree	<⇒	174
Binary Trees	Check if a tree is balanced or not		
Binary Trees	Diagnol Traversal of a Binary tree	<->	175
		<->	176
Binary Trees	Boundary traversal of a Binary tree	<->	177
Binary Trees	Construct Binary Tree from String with Bracket Representation	<->	178
Binary Trees	Convert Binary tree into Doubly Linked List	<->	179
Binary Trees	Convert Binary tree into Sum tree	<->	180
Binary Trees	Construct Binary tree from Inorder and preorder traversal	<->	181
Binary Trees	Find minimum swaps required to convert a Binary tree into BST	<>	182
Binary Trees	Check if Binary tree is Sum tree or not	<>	183
Binary Trees	Check if all leaf nodes are at same level or not	<>>	184
Binary Trees	Check if a Binary Tree contains duplicate subtrees of size 2 or more [IMP]	<->	185
Binary Trees	Check if 2 trees are mirror or not	<->	186
Binary Trees	Sum of Nodes on the Longest path from root to leaf node	<>>	187
Binary Trees	Check if given graph is tree or not. [IMP]	<>	188
Binary Trees	Find Largest subtree sum in a tree	<>	189
Binary Trees	Maximum Sum of nodes in Binary tree such that no two are adjacent	<>	190
Binary Trees	Print all "K" Sum paths in a Binary tree	<->	191
Binary Trees	Find LCA in a Binary tree	<>	192
Binary Trees	Find distance between 2 nodes in a Binary tree	<⇒	193
Binary Trees	Kth Ancestor of node in a Binary tree	<⇒	194
Binary Trees	Find all Duplicate subtrees in a Binary tree [IMP]	<>	195
Binary Trees	Tree Isomorphism Problem	<⇒	196
		<u> </u>	170
C- 1.75	Eine a valva in a DCT		
nary Search Trees	Fina a value in a BST Deletion of a model in a DST	<>>	197
nary Search Trees	Deletion of a node in a BST	<>>	198
	Find min and max value in a BST	<->	199
nary Search Trees	Find inorder successor and inorder predecessor in a BST	<->	200
nary Search Trees nary Search Trees	*		
nary Search Trees nary Search Trees nary Search Trees	Check if a tree is a BST or not	<->	201
nary Search Trees nary Search Trees nary Search Trees nary Search Trees	Check if a tree is a BST or not Populate Inorder successor of all nodes		201 202
nary Search Trees nary Search Trees nary Search Trees nary Search Trees nary Search Trees	Check if a tree is a BST or not	<->	

Binary Search Trees Binary Search Trees Binary Search Trees Binary Search Trees Binary Search Trees	Convert a normal BST into a Balanced BST Merge two BST [V.V.V>IMP] Find Kth largest element in a BST	<> <> <> <> <> <> <> <> <> <> <> <> <> <	206 207 208
Binary Search Trees Binary Search Trees			
Binary Search Trees			
•	Find Kth smallest element in a BST	<->	209
mary Scarcii iices	Count pairs from 2 BST whose sum is equal to given value "X"	<->	210
Binary Search Trees	Find the median of BST in O(n) time and O(1) space	<->	211
Binary Search Trees	Count BST ndoes that lie in a given range	<->	212
Binary Search Trees	Replace every element with the least greater element on its right	<->	213
Binary Search Trees	Given "n" appointments, find the conflicting appointments	<->	214
Binary Search Trees	Check preorder is valid or not	<->	215
Binary Search Trees	Check whether BST contains Dead end	<->	216
Binary Search Trees	Largest BST in a Binary Tree [V.V.V.V.V IMP]	<->	217
Binary Search Trees	Flatten BST to sorted list	<->	218
Greedy	Activity Selection Problem		219
Greedy	Job SequencingProblem	<>	220
Greedy	Huffman Coding	<>>	221
Greedy	Water Connection Problem	<>>	222
Greedy	Fractional Knapsack Problem	<->	223
Greedy	Greedy Algorithm to find Minimum number of Coins		224
Greedy	Maximum trains for which stoppage can be provided	<->	225
Greedy	Minimum Platforms Problem	<>	226
Greedy	Buy Maximum Stocks if i stocks can be bought on i-th day	<->	226
Greedy	Find the minimum and maximum amount to buy all N candies	<->	228
Greedy	Minimize Cash Flow among a given set of friends who have borrowed money from each other	<->	228
Greedy	Minimum Cost to cut a board into squares	<>>	230
Greedy	Check if it is possible to survive on Island	<->	230
Greedy	Find maximum meetings in one room	<->	231
Greedy	Maximum product subset of an array	<->	232
Greedy	Maximize array sum after K negations		
Greedy	Maximize the sum of arr[i]*i	<->	234
Greedy	Maximum sum of absolute difference of an array	<->	235
Greedy	Maximize sum of consecutive differences in a circular array	<->	236
Greedy	Minimum sum of absolute difference of pairs of two arrays	<->	237
•	Program for Shortest Job First (or SJF) CPU Scheduling	<->	238
Greedy Greedy	Program for Least Recently Used (LRU) Page Replacement algorithm	<->	239
Greedy	Smallest subset with sum greater than all other elements	<->	240
Greedy	Chocolate Distribution Problem	<->	241
Greedy	DEFKIN -Defense of a Kingdom	<->	242
Greedy	DIEHARD -DIE HARD	<>	243 244
Greedy	GERGOVIA -Wine trading in Gergovia	<>>	245
Greedy	Picking Up Chicks	<>	246
Greedy	CHOCOLA -Chocolate	<->	247
Greedy	ARRANGE -Arranging Amplifiers	<>>	248
Greedy	K Centers Problem	<>>	249
Greedy	Minimum Cost of ropes	<->	250
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	<>>	251 252
Greedy	Find maximum sum possible equal sum of three stacks	<>	252
Greedy	This maximum sum possione equal sum of three sucks	~	233
BackTracking	Rat in a maze Problem	<->	254
BackTracking	Printing all solutions in N-Queen Problem	<->	255
BackTracking	Word Break Problem using Backtracking	<->	256
BackTracking	Remove Invalid Parentheses	<->	257
BackTracking	Sudoku Solver	<->	258
BackTracking	m Coloring Problem	<->	259
BackTracking	Print all palindromic partitions of a string	<->	260
BackTracking	Subset Sum Problem	<->	261
BackTracking	The Knight's tour problem	<->	262
BackTracking	Tug of War	<->	263
BackTracking	Find shortest safe route in a path with landmines	<->	264
BackTracking	Combinational Sum	<->	265
BackTracking	Find Maximum number possible by doing at-most K swaps	<->	266
BackTracking	Print all permutations of a string	<->	267
BackTracking	Find if there is a path of more than k length from a source	<->	268
BackTracking	Longest Possible Route in a Matrix with Hurdles	<->	269
BackTracking	Print all possible paths from top left to bottom right of a mXn matrix	<->	270
BackTracking	Partition of a set intoK subsets with equal sum	<->	271
	Find the K-th Permutation Sequence of first N natural numbers	<->	272
BackTracking	That the 12 th 1 emiliated of Sequence of mot 1 material name of	177	212
BackTracking	and the first termination organized of first 1 minutes and the first termination of the first te		212

Stacks & Queues	Implement Queue from Scratch	<->	274
Stacks & Queues	Implement 2 stack in an array	<>>	275
Stacks & Queues	find the middle element of a stack	<->	276
Stacks & Queues	Implement "N" stacks in an Array	<->	277
Stacks & Queues	Check the expression has valid or Balanced parenthesis or not.	<->	278
Stacks & Queues	Reverse a String using Stack	<->	279
Stacks & Queues	Design a Stack that supports getMin() in O(1) time and O(1) extra space.	<->	280
Stacks & Queues	Find the next Greater element	<->	281
Stacks & Queues	The celebrity Problem	<->	282
Stacks & Queues	Arithmetic Expression evaluation	<->	283
Stacks & Queues	Evaluation of Postfix expression	<->	284
Stacks & Queues	Implement a method to insert an element at its bottom without using any other data structure.	<->	285
Stacks & Queues	Reverse a stack using recursion	<->	286
Stacks & Queues	Sort a Stack using recursion	<->	287
Stacks & Queues	Merge Overlapping Intervals	<->	288
Stacks & Queues	Largest rectangular Area in Histogram Langest Volta Substring	<->	289
Stacks & Queues	Length of the Longest Valid Substring Expression contains redundant bracket or not	<->	290
Stacks & Queues	*	<->	291
Stacks & Queues Stacks & Queues	Implement Stack using Queue Implement Stack using Deque	<->	292
Stacks & Queues	Stack Permutations (Check if an array is stack permutation of other)	<->	293 294
Stacks & Queues	Implement Queue using Stack		
Stacks & Queues	Implement "n" queue in an array	<>	295 296
tacks & Queues	Implement a Circular queue	<>	296
tacks & Queues	LRU Cache Implementationa	<>	297
Stacks & Queues	Reverse a Queue using recursion	<>>	298
tacks & Queues	Reverse the first "K" elements of a queue	<>>	300
tacks & Queues	Interleave the first half of the queue with second half	<->	301
Stacks & Queues	Find the first circular tour that visits all Petrol Pumps	<->	302
Stacks & Queues	Minimum time required to rot all oranges	<->	303
Stacks & Queues	Distance of nearest cell having 1 in a binary matrix	<->	304
tacks & Queues	First negative integer in every window of size "k"	<->	305
tacks & Queues	Check if all levels of two trees are anagrams or not.	<->	306
tacks & Queues	Sum of minimum and maximum elements of all subarrays of size "k".	<->	307
tacks & Queues	Minimum sum of squares of character counts in a given string after removing "k" characters.	<->	308
Stacks & Queues	Queue based approach or first non-repeating character in a stream.	<->	309
Stacks & Queues	Next Smaller Element	<->	310
Heap	Implement a Maxheap/MinHeap using arrays and recursion.	<->	311
Heap	Sort an Array using heap. (HeapSort)	<->	312
Heap	Maximum of all subarrays of size k.	<->	313
Heap	"k" largest element in an array	<->	314
Heap	Kth smallest and largest element in an unsorted array	<->	315
Heap	Merge "K" sorted arrays. [IMP]	<->	316
Heap	Merge 2 Binary Max Heaps	<->	317
Heap	Kth largest sum continuous subarrays	<->	318
Неар	Leetcode- reorganize strings	<->	319
Heap	Merge "K" Sorted Linked Lists [V.IMP]	<->	320
Неар	Smallest range in "K" Lists	<->	321
Heap	Median in a stream of Integers	<->	322
Heap	Check if a Binary Tree is Heap	<->	323
Heap	Connect "n" ropes with minimum cost	<->	324
•	Convert BST to Min Heap	<->	325
Heap	Convert min been to may been	<->	326 327
Heap Heap	Convert min heap to max heap Rearrange characters in a string such that no two adjacent are same		
Heap Heap Heap	Rearrange characters in a string such that no two adjacent are same.	<>>	
Heap Heap		<>> <>	328
Heap Heap Heap Heap	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array	<->	328
Heap Heap Heap Heap Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it	<>	328
Heap Heap Heap Heap Graph Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm	⇔ ⇔	328 329 330
Heap Heap Heap Heap Graph Graph Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo	φ φ φ	329 330 331
Heap Heap Heap Graph Graph Graph Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array. Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo	0 0 0	329 330 331 332
Heap Heap Heap Graph Graph Graph Graph Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array. Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo	0 0 0 0	329 330 331 332 333
Heap Heap Heap Graph Graph Graph Graph Graph Graph Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo Search in a Maze	© © © © © © © © © © © © © © © © © © ©	329 330 331 332 333 334
Heap Heap Heap Graph Graph Graph Graph Graph Graph Graph Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo Search in a Maze Minimum Step by Knight		329 330 331 332 333 334 335
Heap Heap Heap Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo Search in a Maze Minimum Step by Knight flood fill algo		329 330 331 332 333 334 335 336
Heap Heap Heap Heap Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo Search in a Maze Minimum Step by Knight flood fill algo Clone a graph		329 330 331 332 333 334 335 336 337
Heap Heap Heap Heap Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo Search in a Maze Minimum Step by Knight flood fill algo Clone a graph Making wired Connections		329 330 331 332 333 334 335 336 337 338
Heap Heap Heap Heap Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo Search in a Maze Minimum Step by Knight flood fill algo Clone a graph Making wired Connections word Ladder		329 330 331 332 333 334 335 336 337 338 339
Heap Heap Heap Heap Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo Search in a Maze Minimum Step by Knight flood fill algo Clone a graph Making wired Connections word Ladder Dijkstra algo		329 330 331 332 333 334 335 336 337 338 339 340
Heap Heap Heap Heap Graph	Rearrange characters in a string such that no two adjacent are same. Minimum sum of two numbers formed from digits of an array Create a Graph, print it Implement BFS algorithm Implement DFS Algo Detect Cycle in Directed Graph using BFS/DFS Algo Detect Cycle in UnDirected Graph using BFS/DFS Algo Search in a Maze Minimum Step by Knight flood fill algo Clone a graph Making wired Connections word Ladder		329 330 331 332 333 334 335 336 337 338 339

Graph	Find the no. of Isalnds	<->	344
Graph	Given a sorted Dictionary of an Alien Language, find order of characters	<->	345
Graph	Implement Kruksal's Algorithm	<->	346
	Implement Prim's Algorithm	<->	347
	Total no. of Spanning tree in a graph	<->	348
	Implement Bellman Ford Algorithm	<->	349
	Implement Floyd warshallAlgorithm	<->	350
	Travelling Salesman Problem	<->	351
	Graph Colouring Problem	<->	352
	Snake and Ladders Problem		
		<->	353
•	Find bridge in a graph	<->	354
-	Count Strongly connected Components(Kosaraju Algo)	<->	355
	Check whether a graph is Bipartite or Not	<->	356
	Detect Negative cycle in a graph	<->	357
	Longest path in a Directed Acyclic Graph	<->	358
	Journey to the Moon	<->	359
Graph	Cheapest Flights Within K Stops	<->	360
Graph	Oliver and the Game	<->	361
Graph	Water Jug problem using BFS	<->	362
	Water Jug problem using BFS	<->	363
	Find if there is a path of more thank length from a source	<->	364
	M-ColouringProblem	<->	365
	Minimum edges to reverse o make path from source to destination	<->	366
	Paths to travel each nodes using each edge(Seven Bridges)	<->	367
	Vertex Cover Problem	<->	368
	Chinese Postman or Route Inspection		
		<->	369
•	Number of Triangles in a Directed and Undirected Graph Minimize the each flow errors a given set of friends who have homewayd manay from each other.	<->	370
	Minimise the cashflow among a given set of friends who have borrowed money from each other	<->	371
Graph	Two Clique Problem	<->	372
Trie	Construct a trie from scratch	<->	373
	Find shortest unique prefix for every word in a given list	<->	374
	Word Break Problem (Trie solution)	<>>	375
	Given a sequence of words, print all anagrams together		
		<->	376
	Implement a Phone Directory	<->	377
Trie	Print unique rows in a given boolean matrix	<->	378
Dynamia Programming			
Dynamic Frogramming	Coin ChangeProblem	<->	379
Dynamic Programming	Coin ChangeProblem Knapsack Problem	<>	
Dynamic Programming	Knapsack Problem		380
Dynamic Programming Dynamic Programming	Knapsack Problem Binomial CoefficientProblem	<-> <->	380 381
Dynamic Programming Dynamic Programming Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem	⇔ ⇔	380 381 382
Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number	 ⇔ ⇔ ⇔ 	380 381 382 383
Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication	 ⇔ ⇔ ⇔ ⇔ 	380 381 382 383 384
Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance	 ⇔ ⇔ ⇔ ⇔ ⇔ 	380 381 382 383 384 385
Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem	 ⇔ ⇔ ⇔ ⇔ ⇔ ⇔ 	380 381 382 383 384 385 386
Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem	\$\times \tau \tau \tau \tau \tau \tau \tau \tau	380 381 382 383 384 385 386 387
Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem		380 381 382 383 384 385 386 387 388
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem		380 381 382 383 384 385 386 387 388 389
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem		380 381 382 383 384 385 386 387 388 389 390
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments		380 381 382 383 384 385 386 387 388 389 390 391
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence		380 381 382 383 384 385 386 387 388 389 390 391 392
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence		380 381 382 383 384 385 386 387 388 389 390 391 392 393
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence		380 381 382 383 384 385 386 387 388 389 390 391 392
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS		380 381 382 383 384 385 386 387 388 389 390 391 392 393
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence		380 381 382 383 384 385 386 387 388 399 390 391 392 393 394 395 396 397
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one		380 381 382 383 384 385 386 387 388 390 391 392 393 394 395 396 397 398 399
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s Maximum sum of pairs with specific difference		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s Maximum sum of pairs with specific difference Min Cost PathProblem		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s Maximum sum of pairs with specific difference Min Cost PathProblem Maximum difference of zeros and ones in binary string		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s Maximum sum of pairs with specific difference Min Cost PathProblem Maximum difference of zeros and ones in binary string Minimum number of jumps to reach end		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum sum of pairs with specific difference Min Cost PathProblem Maximum difference of zeros and ones in binary string Minimum number of jumps to reach end		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence such that on three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s Maximum sub of pairs with specific difference Min Cost PathProblem Maximum number of jumps to reach end Minimum number of jumps to reach end Minimum number of jumps to reach end Minimum removals from array to make max —min <= K		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum sum of pairs with specific difference Min Cost PathProblem Maximum difference of zeros and ones in binary string Minimum number of jumps to reach end Minimum removals from array to make max—min <= K Longest Common Substring		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum Sum Increasing Subsequence Egg Dropping Problem Maximum Length Chain of Pairs Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s Maximum size square sub-matrix with all 1s Maximum sum of pairs with specific difference Min Cost PathProblem Maximum difference of zeros and ones in binary string Minimum number of jumps to reach end Minimum cost to fill given weight in a bag Minimum removals from array to make max —min <= K Longest Common Substring Count number of ways to reach given score in a game		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408
Dynamic Programming	Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Space Optimized Solution of LCS LCS (Longest Common Subsequence) of three strings Maximum Sum Increasing Subsequence Count all subsequences having product less than K Longest subsequence such that difference between adjacent is one Maximum subsequence sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum sum of pairs with specific difference Min Cost PathProblem Maximum difference of zeros and ones in binary string Minimum number of jumps to reach end Minimum removals from array to make max—min <= K Longest Common Substring		380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410

Dynamic Programming Smallest sum contiguous subarray	<->	414
Dynamic Programming Unbounded Knapsack (Repetition of items allowed)	<>	415
Dynamic Programming Word Break Problem	<->	416
Dynamic Programming Largest Independent Set Problem	<->	417
Dynamic Programming Partition problem	<>>	418
Dynamic Programming Longest Palindromic Subsequence	<>	419
Dynamic Programming Count All Palindromic Subsequence in a given String	<->	420
Dynamic Programming Longest Palindromic Substring	<->	421
Dynamic Programming Longest alternating subsequence	<->	422
Dynamic Programming Weighted Job Scheduling	<->	423
Dynamic Programming Coin game winner where every player has three choices	<->	424
Dynamic Programming Count Derangements (Permutation such that no element appears in its original position) [IN	MPORTANT <->	425
Dynamic Programming Maximum profit by buying and selling a share at most twice [IMP]	<->	426
Dynamic Programming Optimal Strategy for a Game	<->	427
Dynamic Programming Optimal Binary Search Tree	<->	428
Dynamic Programming Palindrome PartitioningProblem	<->	429
Dynamic Programming Word Wrap Problem	<->	430
Dynamic Programming Mobile Numeric Keypad Problem [IMP]	<>>	431
Dynamic Programming Boolean Parenthesization Problem	<>>	432
Dynamic Programming Largest rectangular sub-matrix whose sum is 0	<->	433
Dynamic Programming Largest area rectangular sub-matrix with equal number of 1's and 0's [IMP]	<⇒	434
Dynamic Programming Maximum sum rectangle in a 2D matrix	<⇒	435
Dynamic Programming Maximum profit by buying and selling a share at most k times	<⇒	436
Dynamic Programming Find if a string is interleaved of two other strings	<⇒	437
Dynamic Programming Maximum Length of Pair Chain	<->	438
Bit Manipulation Count set bits in an integer	<->	439
Bit Manipulation Find the two non-repeating elements in an array of repeating elements	<->	440
Bit Manipulation Count number of bits to be flipped to convert A to B	<>	440
Bit Manipulation Count total set bits in all numbers from 1 to n	<⇒	442
Bit Manipulation Program to find whether a no is power of two	<⇒	443
Bit Manipulation Find position of the only set bit	<⇒	444
Bit Manipulation Copy set bits in a range	<⇒	445
Bit Manipulation Divide two integers without using multiplication, division and mod operator	<->	446
Bit Manipulation Calculate square of a number without using *, / and pow()		447
Dit Manipulation Calculate Square of a number without using 1,7 and pow()	<->	