Topic: Array Array	Questions by Love Babbar: Youtube Channel: https://www.youtube.com/channel/UCQHLxxBFrbfdrk1jF0moTpw Problem: Reverse the array Find the maximum and minimum element in an array Find the "Kth" max and min element of an array	Done [yes or no] <-> <-> <-> <-> <-> <->			
Array Array Array Array Array Array Array Array Array	Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algo Move all the negative elements to one side of the array Find the Union and Intersection of the two sorted arrays. Write a program to cyclically rotate an array by one. find Largest sum contiguous Subarray [V. IMP] Minimise the maximum difference between heights [V.IMP] Minimum no. of Jumps to reach end of an array	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Array Array Array Array Array Array Array Array Array	find duplicate in an array of N+1 Integers Merge 2 sorted arrays without using Extra space. Kadane's Algo [V.V.V.V IMP] Merge Intervals Next Permutation Count Inversion Best time to buy and Sell stock find all pairs on integer array whose sum is equal to given number	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Array Array Array Array Array Array Array Array	Rearrange the array in alternating positive and negative items with O(1) extra space Find if there is any subarray with sum equal to 0 Find factorial of a large number find maximum product subarray Find longest coinsecutive subsequence Given an array of size n and a number k, fin all elements that appear more than " n/k " times. Maximum profit by buying and selling a share atmost twice	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Array Array Array Array Array Array Array Array	Find whether an array is a subset of another array Find the triplet that sum to a given value Trapping Rain water problem Chocolate Distribution problem Smallest Subarray with sum greater than a given value Three way partitioning of an array around a given value Minimum swaps required bring elements less equal K together	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Array Array Array Matrix Matrix	Minimum no. of operations required to make an array palindrome Median of 2 sorted arrays of equal size Median of 2 sorted arrays of different size Spiral traversal on a Matrix Search an element in a matriix	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix	Find median in a row wise sorted matrix Find row with maximum no. of 1's Print elements in sorted order using row-column wise sorted matrix Maximum size rectangle Find a specific pair in matrix Rotate matrix by 90 degrees Kth smallest element in a row-cpumn wise sorted matrix Common elements in all rows of a given metrix	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
String String String String String	Reverse a String Check whether a String is Palindrome or not Find Duplicate characters in a string Why strings are immutable in Java? Write a Code to check whether one string is a rotation of another	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
String String String String String String String String	Write a Program to check whether a string is a valid shuffle of two strings or not Count and Say problem Write a program to find the longest Palindrome in a string. [Longest palindromic Substring] Find Longest Recurring Subsequence in String Print all Subsequences of a string. Print all the permutations of the given string Split the Binary string into two substring with equal 0's and 1's	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
String String String String String String String String	Word Wrap Problem [VERY IMP]. EDIT Distance [Very Imp] Find next greater number with same set of digits. [Very Very IMP] Balanced Parenthesis problem.[Imp] Word break Problem[Very Imp] Rabin Karp Algo KMP Algo	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
String String String String String String String String	Convert a Sentence into its equivalent mobile numeric keypad sequence. Minimum number of bracket reversals needed to make an expression balanced. Count All Palindromic Subsequence in a given String. Count of number of given string in 2D character array Search a Word in a 2D Grid of characters. Boyer Moore Algorithm for Pattern Searching. Converting Roman Numerals to Decimal Longest Common Prefix	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
String String String String String String String String	Number of flips to make binary string alternate Find the first repeated word in string. Minimum number of swaps for bracket balancing. Find the longest common subsequence between two strings. Program to generate all possible valid IP addresses from given string. Write a program tofind the smallest window that contains all characters of string itself. Rearrange characters in a string such that no two adjacent are same	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
String String String String String String String String	Minimum characters to be added at front to make string palindrome Given a sequence of words, print all anagrams together Find the smallest window in a string containing all characters of another string Recursively remove all adjacent duplicates String matching where one string contains wildcard characters Function to find Number of customers who could not get a computer Transform One String to Another using Minimum Number of Given Operation	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
String Searching & Sorting Searching & Sorting Searching & Sorting	Check if two given strings are isomorphic to each other Recursively print all sentences that can be formed from list of word lists Find first and last positions of an element in a sorted array Find a Fixed Point (Value equal to index) in a given array Search in a rotated sorted array	<-> <-> <-> <-> <-> <-> <-> <-> <->			
Searching & Sorting	Maximum and minimum of an array using minimum number of comparisons Optimum location of point to minimize total distance Find the repeating and the missing find majority element Searching in an array where adjacent differ by at most k find a pair with a given difference find four elements that sum to a given value	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Searching & Sorting	maximum sum such that no 2 elements are adjacent Count triplet with sum smaller than a given value merge 2 sorted arrays print all subarrays with 0 sum Product array Puzzle Sort array according to count of set bits minimum no. of swaps required to sort the array	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Searching & Sorting	Bishu and Soldiers Rasta and Kheshtak Kth smallest number again Find pivot element in a sorted array K-th Element of Two Sorted Arrays Aggressive cows Book Allocation Problem	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Searching & Sorting	EKOSPOJ: Job Scheduling Algo Missing Number in AP Smallest number with atleastn trailing zeroes infactorial Painters Partition Problem: ROTI-Prata SPOJ DoubleHelix SPOJ	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Searching & Sorting Searching & Sorting Searching & Sorting LinkedList	Subset Sums Findthe inversion count Implement Merge-sort in-place Partitioning and Sorting Arrays with Many Repeated Entries Write a Program to reverse the Linked List. (Both Iterative and recursive) Reverse a Linked List in group of Given Size. [Very Imp]	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	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. Write a Program to Move the last element to Front in a Linked List. Add "1" to a number represented as a Linked List.	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Add two numbers represented by linked lists. Intersection of two Sorted Linked List. Intersection Point of two Linked Lists. Merge Sort For Linked lists.[Very Important] 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 LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList 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.	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList LinkedList	Rotate a Doubly Linked list in group of Given Size. [Very IMP] Can we reverse a linked list in less than O(n)? Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists? 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	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
LinkedList LinkedList LinkedList LinkedList	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 Find the first non-repeating character from a stream of characters	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Binary Trees	level order traversal Reverse Level Order traversal Height of a tree Diameter of a tree Mirror of a tree Inorder Traversal of a tree both using recursion and Iteration Preorder Traversal of a tree both using recursion and Iteration Postorder Traversal of a tree both using recursion and Iteration	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Binary Trees		<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Binary Trees	Boundary traversal of a Binary tree Construct Binary Tree from String with Bracket Representation Convert Binary tree into Doubly Linked List Convert Binary tree into Sum tree Construct Binary tree from Inorder and preorder traversal Find minimum swaps required to convert a Binary tree into BST Check if Binary tree is Sum tree or not	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Binary Trees	Check if all leaf nodes are at same level or not Check if a Binary Tree contains duplicate subtrees of size 2 or more [IMP] Check if 2 trees are mirror or not Sum of Nodes on the Longest path from root to leaf node Check if given graph is tree or not. [IMP] Find Largest subtree sum in a tree Maximum Sum of nodes in Binary tree such that no two are adjacent	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Binary Trees Binary Trees Binary Trees Binary Trees Binary Trees	Print all "K" Sum paths in a Binary tree Find LCA in a Binary tree Find distance between 2 nodes in a Binary tree Kth Ancestor of node in a Binary tree Find all Duplicate subtrees in a Binary tree [IMP] Tree Isomorphism Problem	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Binary Search Trees	Fina a value in a BST Deletion of a node in a BST Find min and max value in a BST Find inorder successor and inorder predecessor in a BST Check if a tree is a BST or not Populate Inorder successor of all nodes Find LCA of 2 nodes in a BST	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Binary Search Trees	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] Find Kth largest element in a BST Find Kth smallest element in a BST 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 Count BST ndoes that lie in a given range Replace every element with the least greater element on its right Given "n" appointments, find the conflicting appointments Check preorder is valid or not Check whether BST contains Dead end Largest BST in a Binary Tree [V.V.V.V.V IMP]	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Greedy Greedy Greedy Greedy Greedy Greedy	Activity Selection Problem Job Sequencing Problem Huffman Coding Water Connection Problem	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Greedy Greedy Greedy Greedy Greedy Greedy Greedy Greedy Greedy	Fractional Knapsack Problem Greedy Algorithm to find Minimum number of Coins Maximum trains for which stoppage can be provided Minimum Platforms Problem Buy Maximum Stocks if i stocks can be bought on i-th day Find the minimum and maximum amount to buy all N candies Minimize Cash Flow among a given set of friends who have borrowed money from each other Minimum Cost to cut a board into squares				
Greedy Greedy Greedy Greedy Greedy Greedy Greedy	Minimum Cost to cut a board into squares Check if it is possible to survive on Island Find maximum meetings in one room Maximum product subset of an array Maximize array sum after K negations Maximize the sum of arr[i]*i Maximum sum of absolute difference of an array Maximize sum of consecutive differences in a circular array	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Greedy Greedy Greedy Greedy Greedy Greedy Greedy Greedy Greedy	Minimum sum of absolute difference of pairs of two arrays Program for Shortest Job First (or SJF) CPU Scheduling Program for Least Recently Used (LRU) Page Replacement algorithm Smallest subset with sum greater than all other elements Chocolate Distribution Problem DEFKIN - Defense of a Kingdom DIEHARD - DIE HARD	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Greedy Greedy Greedy Greedy Greedy Greedy Greedy Greedy Greedy	GERGOVIA -Wine trading in Gergovia Picking Up Chicks CHOCOLA -Chocolate ARRANGE -Arranging Amplifiers K Centers Problem Minimum Cost of ropes Find smallest number with given number of digits and sum of digits	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Greedy Greedy BackTracking BackTracking BackTracking	Rearrange characters in a string such that no two adjacent are same Find maximum sum possible equal sum of three stacks Rat in a maze Problem Printing all solutions in N-Queen Problem Word Break Problem using Backtracking	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
BackTracking BackTracking BackTracking BackTracking BackTracking BackTracking BackTracking BackTracking	Remove Invalid Parentheses Sudoku Solver m Coloring Problem Print all palindromic partitions of a string Subset Sum Problem The Knight's tour problem Tug of War Find shortest safe route in a path with landmines	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
BackTracking BackTracking BackTracking BackTracking BackTracking BackTracking BackTracking BackTracking	Combinational Sum Find Maximum number possible by doing at-most K swaps Print all permutations of a string Find if there is a path of more than k length from a source Longest Possible Route in a Matrix with Hurdles Print all possible paths from top left to bottom right of a mXn matrix Partition of a set intoK subsets with equal sum	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Stacks & Queues	Find the K-th Permutation Sequence of first N natural numbers Implement Stack from Scratch Implement Queue from Scratch Implement 2 stack in an array find the middle element of a stack	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Stacks & Queues	Implement "N" stacks in an Array Check the expression has valid or Balanced parenthesis or not. Reverse a String using Stack Design a Stack that supports getMin() in O(1) time and O(1) extra space. Find the next Greater element The celebrity Problem Arithmetic Expression evaluation	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Stacks & Queues	Evaluation of Postfix expression Implement a method to insert an element at its bottom without using any other data structure. Reverse a stack using recursion Sort a Stack using recursion Merge Overlapping Intervals Largest rectangular Area in Histogram Length of the Longest Valid Substring Expression contains redundant bracket or not	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Stacks & Queues					
Stacks & Queues	Reverse a Queue using recursion Reverse the first "K" elements of a queue Interleave the first half of the queue with second half Find the first circular tour that visits all Petrol Pumps Minimum time required to rot all oranges Distance of nearest cell having 1 in a binary matrix First negative integer in every window of size "k"	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Stacks & Queues	Check if all levels of two trees are anagrams or not. Sum of minimum and maximum elements of all subarrays of size "k". Minimum sum of squares of character counts in a given string after removing "k" characters. Queue based approach or first non-repeating character in a stream. Next Smaller Element	<-> <-> <-> <-> <-> <-> <-> <-> <->			
Heap Heap Heap Heap Heap Heap Heap Heap	Implement a Maxheap/MinHeap using arrays and recursion. Sort an Array using heap. (HeapSort) Maximum of all subarrays of size k. "k" largest element in an array Kth smallest and largest element in an unsorted array Merge "K" sorted arrays. [IMP] Merge 2 Binary Max Heaps Kth largest sum continuous subarrays	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Heap Heap Heap Heap Heap Heap Heap Heap	Kth largest sum continuous subarrays Leetcode- reorganize strings Merge "K" Sorted Linked Lists [V.IMP] Smallest range in "K" Lists Median in a stream of Integers Check if a Binary Tree is Heap Connect "n" ropes with minimum cost Convert BST to Min Heap	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Heap Heap Heap Graph Graph	Convert min heap to max heap 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	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Graph	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	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Graph	Making wired Connections word Ladder Dijkstra algo Implement Topological Sort Minimum time taken by each job to be completed given by a Directed Acyclic Graph Find whether it is possible to finish all tasks or not from given dependencies Find the no. of Isalnds	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Graph	Given a sorted Dictionary of an Alien Language, find order of characters Implement Kruksal'sAlgorithm Implement Prim's Algorithm Total no. of Spanning tree in a graph Implement Bellman Ford Algorithm Implement Floyd warshallAlgorithm Travelling Salesman Problem Graph Colouring Problem	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Graph	Snake and Ladders Problem Find bridge in a graph Count Strongly connected Components (Kosaraju Algo) Check whether a graph is Bipartite or Not Detect Negative cycle in a graph Longest path in a Directed Acyclic Graph Journey to the Moon	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Graph	Cheapest Flights Within K Stops Oliver and the Game Water Jug problem using BFS Water Jug problem using BFS Find if there is a path of more thank length from a source M-ColouringProblem Minimum edges to reverse o make path from source to destination	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
•	Minimum edges to reverse o make path from source to destination Paths to travel each nodes using each edge (Seven Bridges) Vertex Cover Problem Chinese Postman or Route Inspection Number of Triangles in a Directed and Undirected Graph Minimise the cashflow among a given set of friends who have borrowed money from each other Two Clique Problem	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph					
Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie	Construct a trie from scratch Find shortest unique prefix for every word in a given list Word Break Problem (Trie solution) Given a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie Trie Opnamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming Dynamic Programming	Find shortest unique prefix for every word in a given list Word Break Problem (Trie solution) Given a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin ChangeProblem	<-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie Trie Trie	Find shortest unique prefix for every word in a given list Word Break Problem (Trie solution) Given a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin ChangeProblem Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Friends Pairing Problem	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie Trie Trie	Find shortest unique prefix for every word in a given list Word Break Problem (Trie solution) Given a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin ChangeProblem Knapsack Problem Binomial Coefficient Problem Permutation Coefficient Problem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Assembly Line Scheduling Problem 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	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Trie Trie Trie Trie Trie Trie Trie Trie	Find shortest unique prefix for every word in a given list Word Break Problem (Trie solution) Given a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin ChangeProblem Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum 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 sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie Trie Trie	Find shortest unique prefix for every word in a given list Word Break Problem (Trie solution) Given a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin ChangeProblem Knapsack Problem Binomial CoefficientProblem Permutation CoefficientProblem Permutation CoefficientProblem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum 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 sum such that no three are consecutive Egg Dropping Problem Maximum Length Chain of Pairs Maximum Length Chain of Pairs Maximum size square sub-matrix with all 1s	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie Trie Trie	Find shortest unique prefix for every word in a given list Word Break Problem [Trie solution] Given a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin Change-Problem Knapsack Problem Binomial Coefficient Problem Binomial Coefficient Problem Permutation Multiplication Edit Distance Subset Sum Problem Solst Subre Problem Friends Pairing Problem Gold Mine Problem Assembly Line Scheduling Problem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Longest Summon Subsequence Subsequence Longest Summon Subsequence Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Longest Summon Subsequence Subsequence Longest Summon Subsequence Subsequence Longest Summon Subsequence Subsequence Longest Subsequence Subsequence Subsequence Longest Subsequence Subsequence Subsequence Longest Subsequence Subsequence Subsequence Longest Subsequence	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie Trie Trie	Find shortest unique prefix for every word in a given list Word Break Problem. If If rie solution) Given a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin ChangeProblem Knapsack Problem Binomial Coefficient Problem Permutation Coefficient Problem Permutation Coefficient Problem Program for nth Catalan Number Matrix Chain Multiplication Edit Distance Subset Sum Problem Gold Mine Problem Friends Pairing Problem Assembly. Line SchedulingProblem Painting the Fenceproblem Maximize The Cut Segments Longest Common Subsequence Longest Repeated Subsequence Longest Repeated Subsequence Longest Increasing Subsequence Count all subsequences such that difference between adjacent is one Maximum Sum Increasing Subsequence Count all subsequences such that difference between adjacent is one Maximum Length Chain of Pairs Maximum Length Chain of Pairs Maximum Sum of pairs with specific difference Min Cost PathProblem Maximum unime of a 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 number of limps to reach end Minimum number of limps to reach end Minimum number of ways to reacha given score in a game Count number of ways to reacha given score in a game Count Balanced Binary Trees of Height h Largest Stum Contiguous Subarray (V-V-V-V-V) IMP Smallest sum contiguous subarray (U-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V	<-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie Trie Trie	Find shortest unique profix for every word in a given list Word Break Problem I (Trie solution) Goden a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin ChangeProblem Knapack Problem Knapack Problem Sinomial CoefficientProblem Permutation CoefficientProblem Permutation CoefficientProblem Permutation CoefficientProblem Permutation CoefficientProblem Program for rnth Catalan Number Matrix Chain Mitulipication Edit Distance Subset Sum Problem Friends Pairing Problem Gold Mine Problem Sakembly Line Scheduling Problem Priends Pairing Problem Assembly Line Scheduling Problem Painting the Fenceproblem Maximize The Cut Seements Longest Common Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Count all subsequences buring product less than K Longest Subsequence such that difference between adjacent is one Maximum Sum Increasing Subsequence Count all subsequences sum such that no three are consecutive Eag Propoling 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 Length Chain of Pairs Maximum of pairs with specific difference Min Cost PathProblem Maximum directence of zeros and ones in binary string Minimum number of limps to reach and Minimum cost to fill given weight in a bag Minimum remotical form array to make max—min <= K Longest Common Substring Count number of ways to reach agiven score in a game Count Balanced Binary Trees of Height b Largest Independent Set Problem Largest Independent Set Proble	<-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <-> <->			
Graph Graph Graph Graph Graph Graph Graph Trie Trie Trie Trie Trie Trie Trie Trie	Find shortest unique prefix for every word in a given list Word Break Problem (Trie solution) Ghen a sequence of words, print all anagrams together Implement a Phone Directory Print unique rows in a given boolean matrix Coin ChangeProblem Kanpacak Problem Binomial CoefficientProblem Permutation CoefficientProblem Matrix Chain Multiplication Edit Distance Subset Sum Problem Friends Paring Problem Gold Mine Problem Assembly Une SchedulingProblem Palmiting the Enceproblem Maximus The Cut Seements Longest Common Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Longest Increasing Subsequence Space Optimized Solution of U.S. LOS Longest Common Subsequence of three strings Maximum Sum Increasing Subsequence Count all subsequences sum such that no three are consecutive Ease Dropping Problem Maximum subsequence sum such that from the between adjacent is one Maximum subsequence sum such that from three are consecutive Ease Dropping Problem Maximum size square sub-markrix with all 1s Maximum under of jumps to reach and Minimum cost to fill given weight in a bag Minimum control of ways to reach and Minimum cost of marry to make max —min <= K Longest Common Substring Count number of ways to reach and Minimum control of way				