None
Questions by Love Babbar:
None

None
Youtube Channel: https://www.youtube.com/channel/UCQHLxxBFrbfdrk1jF0moTpw
None

None
None
None

Topic:
Problem:
Done [yes or no]

None
None
<->

Array
Reverse the array
<->

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

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

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

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

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

Array

Write a program to cyclically rotate an array by one.

<->

Array

find Largest sum contiguous Subarray [V. IMP]

<->

Array

Minimise the maximum difference between heights [V.IMP]

<->

Array

Minimum no. of Jumps to reach end of an array

<->

Array

find duplicate in an array of N+1 Integers

<->

Array

Merge 2 sorted arrays without using Extra space.

<->

Array

Kadane's Algo [V.V.V.V.V IMP]

<->

Array

Merge Intervals

<->

Array

Next Permutation

<->

Array

Count Inversion

<->

Array

Best time to buy and Sell stock

<->

Array

find all pairs on integer array whose sum is equal to given number

<->

Array

find common elements In 3 sorted arrays

<->

Array

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

<->

Array

Find if there is any subarray with sum equal to 0

<->

Array

Find factorial of a large number

<->

Array

find maximum product subarray

<->

Array

Find longest coinsecutive subsequence

<->

Array

Given an array of size n and a number k, 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
<->

None
None
<->

None
None
<->

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

<->

None

None

None

None

None

None

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
<->

None
None
None

None

None

None

Searching & Sorting

Find first and last positions of an element in a sorted array

<->

Searching & Sorting

Find a Fixed Point (Value equal to index) in a given array

<->

Searching & Sorting

Search in a rotated sorted array

<->

Searching & Sorting

square root of an integer

<->

Searching & Sorting

Maximum and minimum of an array using minimum number of comparisons

<->

Searching & Sorting

Optimum location of point to minimize total distance

<->

Searching & Sorting

Find the repeating and the missing

<->

Searching & Sorting

find majority element

<->

Searching & Sorting

Searching in an array where adjacent differ by at most k

<->

Searching & Sorting

find a pair with a given difference

<->

Searching & Sorting

find four elements that sum to a given value

<->

Searching & Sorting

maximum sum such that no 2 elements are adjacent

<->

Searching & Sorting

Count triplet with sum smaller than a given value

<->

Searching & Sorting

merge 2 sorted arrays

<->

Searching & Sorting

print all subarrays with 0 sum

<->

Searching & Sorting

Product array Puzzle

<->

Searching & Sorting

Sort array according to count of set bits

<->

Searching & Sorting

minimum no. of swaps required to sort the array

<->

Searching & Sorting

Bishu and Soldiers

<->

Searching & Sorting

Rasta and Kheshtak

<->

Searching & Sorting

Kth smallest number again

<->

Searching & Sorting

Find pivot element in a sorted array

<->

Searching & Sorting

K-th Element of Two Sorted Arrays

<->

Searching & Sorting

Aggressive cows

<->

Searching & Sorting

Book Allocation Problem

<->

Searching & Sorting

EKOSPOJ:

<->

Searching & Sorting

Job Scheduling Algo

<->

Searching & Sorting

Missing Number in AP

<->

Searching & Sorting

Smallest number with atleastn trailing zeroes infactorial

<->

Searching & Sorting

Painters Partition Problem:

<->

Searching & Sorting

ROTI-Prata SPOJ

<->

Searching & Sorting

DoubleHelix SPOJ

<->

Searching & Sorting

Subset Sums

<->

Searching & Sorting

Findthe inversion count

<->

Searching & Sorting

Implement Merge-sort in-place

<->

Searching & Sorting

Partitioning and Sorting Arrays with Many Repeated Entries

<->

None

None

None

None

None

None

LinkedList

Write a Program to reverse the Linked List. (Both Iterative and recursive)

<->

LinkedList

Reverse a Linked List in group of Given Size. [Very Imp]

<->

LinkedList

Write a program to Detect loop in a linked list.

<->

LinkedList

Write a program to Delete loop in a linked list.

<->

LinkedList

Find the starting point of the loop.

<->

LinkedList

Remove Duplicates in a sorted Linked List.

<->

LinkedList

Remove Duplicates in a Un-sorted Linked List.

<->

LinkedList

Write a Program to Move the last element to Front in a Linked List.

<->

LinkedList

Add “1” to a number represented as a Linked List.

<->

LinkedList

Add two numbers represented by linked lists.

<->

LinkedList

Intersection of two Sorted Linked List.

<->

LinkedList

Intersection Point of two Linked Lists.

<->

LinkedList

Merge Sort For Linked lists.[Very Important]

<->

LinkedList

Quicksort for Linked Lists.[Very Important]

<->

LinkedList

Find the middle Element of a linked list.

<->

LinkedList

Check if a linked list is a circular linked list.

<->

LinkedList

Split a Circular linked list into two halves.

<->

LinkedList

Write a Program to check whether the Singly Linked list is a palindrome or not.

<->

LinkedList

Deletion from a Circular Linked List.

<->

LinkedList

Reverse a Doubly Linked list.

<->

LinkedList

Find pairs with a given sum in a DLL.

<->

LinkedList

Count triplets in a sorted DLL whose sum is equal to given value “X”.

<->

LinkedList

Sort a “k”sorted Doubly Linked list.[Very IMP]

<->

LinkedList

Rotate DoublyLinked list by N nodes.

<->

LinkedList

Rotate a Doubly Linked list in group of Given Size.[Very IMP]

<->

LinkedList

Can we reverse a linked list in less than O(n) ?

<->

LinkedList

Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists ?

<->

LinkedList

Flatten a Linked List

<->

LinkedList

Sort a LL of 0's, 1's and 2's

<->

LinkedList

Clone a linked list with next and random pointer

<->

LinkedList

Merge K sorted Linked list

<->

LinkedList

Multiply 2 no. represented by LL

<->

LinkedList

Delete nodes which have a greater value on right side

<->

LinkedList

Segregate even and odd nodes in a Linked List

<->

LinkedList

Program for n’th node from the end of a Linked List

<->

LinkedList

Find the first non-repeating character from a stream of characters

<->

None

None

None

None

None

None

Binary Trees
level order traversal
<->

Binary Trees
Reverse Level Order traversal
<->

Binary Trees
Height of a tree
<->

Binary Trees
Diameter of a tree
<->

Binary Trees
Mirror of a tree
<->

Binary Trees
Inorder Traversal of a tree both using recursion and Iteration
<->

Binary Trees
Preorder Traversal of a tree both using recursion and Iteration
<->

Binary Trees
Postorder Traversal of a tree both using recursion and Iteration
<->

Binary Trees
Left View of a tree
<->

Binary Trees
Right View of Tree
<->

Binary Trees
Top View of a tree
<->

Binary Trees

Bottom View of a tree

<->

Binary Trees

Zig-Zag traversal of a binary tree

<->

Binary Trees

Check if a tree is balanced or not

<->

Binary Trees

Diagnol Traversal of a Binary tree

<->

Binary Trees

Boundary traversal of a Binary tree

<->

Binary Trees

Construct Binary Tree from String with Bracket Representation

<->

Binary Trees

Convert Binary tree into Doubly Linked List

<->

Binary Trees

Convert Binary tree into Sum tree

<->

Binary Trees

Construct Binary tree from Inorder and preorder traversal

<->

Binary Trees

Find minimum swaps required to convert a Binary tree into BST

<->

Binary Trees

Check if Binary tree is Sum tree or not

<->

Binary Trees

Check if all leaf nodes are at same level or not

<->

Binary Trees

Check if a Binary Tree contains duplicate subtrees of size 2 or more [IMP]

<->

Binary Trees

Check if 2 trees are mirror or not

<->

Binary Trees

Sum of Nodes on the Longest path from root to leaf node

<->

Binary Trees

Check if given graph is tree or not. [IMP]

<->

Binary Trees

Find Largest subtree sum in a tree

<->

Binary Trees

Maximum Sum of nodes in Binary tree such that no two are adjacent

<->

Binary Trees

Print all "K" Sum paths in a Binary tree

<->

Binary Trees

Find LCA in a Binary tree

<->

Binary Trees

Find distance between 2 nodes in a Binary tree

<->

Binary Trees

Kth Ancestor of node in a Binary tree

<->

Binary Trees

Find all Duplicate subtrees in a Binary tree [IMP]

<->

Binary Trees

Tree Isomorphism Problem

<->

None

None

None

None

None

None

Binary Search Trees

Fina a value in a BST

<->

Binary Search Trees

Deletion of a node in a BST

<->

Binary Search Trees

Find min and max value in a BST

<->

Binary Search Trees

Find inorder successor and inorder predecessor in a BST

<->

Binary Search Trees

Check if a tree is a BST or not

<->

Binary Search Trees

Populate Inorder successor of all nodes

<->

Binary Search Trees

Find LCA of 2 nodes in a BST

<->

Binary Search Trees

Construct BST from preorder traversal

<->

Binary Search Trees

Convert Binary tree into BST

<->

Binary Search Trees

Convert a normal BST into a Balanced BST

<->

Binary Search Trees

Merge two BST [V.V.V>IMP]

<->

Binary Search Trees

Find Kth largest element in a BST

<->

Binary Search Trees

Find Kth smallest element in a BST

<->

Binary Search Trees

Count pairs from 2 BST whose sum is equal to given value "X"

<->

Binary Search Trees

Find the median of BST in O(n) time and O(1) space

<->

Binary Search Trees

Count BST ndoes that lie in a given range

<->

Binary Search Trees

Replace every element with the least greater element on its right

<->

Binary Search Trees

Given "n" appointments, find the conflicting appointments

<->

Binary Search Trees
Check preorder is valid or not
<->

Binary Search Trees
Check whether BST contains Dead end
<->

Binary Search Trees
Largest BST in a Binary Tree [V.V.V.V.V IMP]
<->

Binary Search Trees
Flatten BST to sorted list
<->

None
None
None

None
None
None
None

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 Coins

<->

Greedy

Maximum trains for which stoppage can be provided

<->

Greedy

Minimum Platforms Problem

<->

Greedy

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

<->

Greedy

Find the minimum and maximum amount to buy all N candies

<->

Greedy

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

<->

Greedy

Minimum Cost to cut a board into squares

<->

Greedy

Check if it is possible to survive on Island

<->

Greedy

Find maximum meetings in one room

<->

Greedy

Maximum product subset of an array

<->

Greedy

Maximize array sum after K negations

<->

Greedy

Maximize the sum of arr[i]*i

<->

Greedy

Maximum sum of absolute difference of an array

<->

Greedy

Maximize sum of consecutive differences in a circular array

<->

Greedy

Minimum sum of absolute difference of pairs of two arrays

<->

Greedy

Program for Shortest Job First (or SJF) CPU Scheduling

<->

Greedy

Program for Least Recently Used (LRU) Page Replacement algorithm

<->

Greedy

Smallest subset with sum greater than all other elements

<->

Greedy

Chocolate Distribution Problem

<->

Greedy

DEFKIN -Defense of a Kingdom

<->

Greedy

DIEHARD -DIE HARD

<->

Greedy

GERGOVIA -Wine trading in Gergovia

<->

Greedy
Picking Up Chicks
<->

Greedy
CHOCOLA –Chocolate
<->

Greedy
ARRANGE -Arranging Amplifiers
<->

Greedy
K Centers Problem
<->

Greedy
Minimum Cost of ropes
<->

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

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

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

None
None
None

None
None
None

BackTracking
Rat in a maze Problem
<->

BackTracking

Printing all solutions in N-Queen Problem

<->

BackTracking

Word Break Problem using Backtracking

<->

BackTracking

Remove Invalid Parentheses

<->

BackTracking

Sudoku Solver

<->

BackTracking

m Coloring Problem

<->

BackTracking

Print all palindromic partitions of a string

<->

BackTracking

Subset Sum Problem

<->

BackTracking

The Knight’s tour problem

<->

BackTracking

Tug of War

<->

BackTracking

Find shortest safe route in a path with landmines

<->

BackTracking

Combinational Sum

<->

BackTracking

Find Maximum number possible by doing at-most K swaps

<->

BackTracking

Print all permutations of a string

<->

BackTracking

Find if there is a path of more than k length from a source

<->

BackTracking

Longest Possible Route in a Matrix with Hurdles

<->

BackTracking

Print all possible paths from top left to bottom right of a mXn matrix

<->

BackTracking

Partition of a set intoK subsets with equal sum

<->

BackTracking

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

<->

None

None

None

None

None

None

Stacks & Queues

Implement Stack from Scratch

<->

Stacks & Queues

Implement Queue from Scratch

<->

Stacks & Queues

Implement 2 stack in an array

<->

Stacks & Queues

find the middle element of a stack

<->

Stacks & Queues

Implement "N" stacks in an Array

<->

Stacks & Queues

Check the expression has valid or Balanced parenthesis or not.

<->

Stacks & Queues

Reverse a String using Stack

<->

Stacks & Queues

Design a Stack that supports getMin() in O(1) time and O(1) extra space.

<->

Stacks & Queues

Find the next Greater element

<->

Stacks & Queues

The celebrity Problem

<->

Stacks & Queues

Arithmetic Expression evaluation

<->

Stacks & Queues

Evaluation of Postfix expression

<->

Stacks & Queues

Implement a method to insert an element at its bottom without using any other data structure.

<->

Stacks & Queues

Reverse a stack using recursion

<->

Stacks & Queues

Sort a Stack using recursion

<->

Stacks & Queues

Merge Overlapping Intervals

<->

Stacks & Queues

Largest rectangular Area in Histogram

<->

Stacks & Queues

Length of the Longest Valid Substring

<->

Stacks & Queues

Expression contains redundant bracket or not

<->

Stacks & Queues

Implement Stack using Queue

<->

Stacks & Queues

Implement Stack using Deque

<->

Stacks & Queues

Stack Permutations (Check if an array is stack permutation of other)

<->

Stacks & Queues

Implement Queue using Stack

<->

Stacks & Queues

Implement "n" queue in an array

<->

Stacks & Queues

Implement a Circular queue

<->

Stacks & Queues

LRU Cache Implementationa

<->

Stacks & Queues

Reverse a Queue using recursion

<->

Stacks & Queues

Reverse the first “K” elements of a queue

<->

Stacks & Queues

Interleave the first half of the queue with second half

<->

Stacks & Queues

Find the first circular tour that visits all Petrol Pumps

<->

Stacks & Queues

Minimum time required to rot all oranges

<->

Stacks & Queues

Distance of nearest cell having 1 in a binary matrix

<->

Stacks & Queues

First negative integer in every window of size “k”

<->

Stacks & Queues

Check if all levels of two trees are anagrams or not.

<->

Stacks & Queues

Sum of minimum and maximum elements of all subarrays of size “k”.

<->

Stacks & Queues

Minimum sum of squares of character counts in a given string after removing “k” characters.

<->

Stacks & Queues

Queue based approach or first non-repeating character in a stream.

<->

Stacks & Queues

Next Smaller Element

<->

None

None

None

None

None

None

None

Heap

Implement a Maxheap/MinHeap using arrays and recursion.

<->

Heap

Sort an Array using heap. (HeapSort)

<->

Heap

Maximum of all subarrays of size k.

<->

Heap

“k” largest element in an array

<->

Heap

Kth smallest and largest element in an unsorted array

<->

Heap

Merge “K” sorted arrays. [IMP]

<->

Heap

Merge 2 Binary Max Heaps

<->

Heap

Kth largest sum continuous subarrays

<->

Heap

Leetcode- reorganize strings

<->

Heap

Merge “K” Sorted Linked Lists [V.IMP]

<->

Heap

Smallest range in “K” Lists

<->

Heap

Median in a stream of Integers

<->

Heap

Check if a Binary Tree is Heap

<->

Heap

Connect “n” ropes with minimum cost

<->

Heap

Convert BST to Min Heap

<->

Heap

Convert min heap to max heap

<->

Heap

Rearrange characters in a string such that no two adjacent are same.

<->

Heap

Minimum sum of two numbers formed from digits of an array

<->

None

None

None

None

None

None

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

Travelling Salesman Problem

<->

Graph

Graph ColouringProblem

<->

Graph

Snake and Ladders Problem

<->

Graph

Find bridge in a graph

<->

Graph

Count Strongly connected Components(Kosaraju Algo)

<->

Graph

Check whether a graph is Bipartite or Not

<->

Graph

Detect Negative cycle in a graph

<->

Graph

Longest path in a Directed Acyclic Graph

<->

Graph

Journey to the Moon

<->

Graph

Cheapest Flights Within K Stops

<->

Graph

Oliver and the Game

<->

Graph

Water Jug problem using BFS

<->

Graph

Water Jug problem using BFS

<->

Graph

Find if there is a path of more 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

Vertex Cover Problem

<->

Graph

Chinese Postman or Route Inspection

<->

Graph

Number of Triangles in a Directed and Undirected Graph

<->

Graph

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

<->

Graph

Two Clique Problem

<->

None

None

None

None

None

None

Trie

Construct a trie from scratch

<->

Trie

Find shortest unique prefix for every word in a given list

<->

Trie

Word Break Problem | (Trie solution)

<->

Trie

Given a sequence of words, print all anagrams together

<->

Trie

Implement a Phone Directory

<->

Trie

Print unique rows in a given boolean matrix

<->

None
None
None

None
None
None

Dynamic Programming
Coin ChangeProblem
<->

Dynamic Programming
Knapsack Problem
<->

Dynamic Programming
Binomial CoefficientProblem
<->

Dynamic Programming
Permutation CoefficientProblem
<->

Dynamic Programming
Program for nth Catalan Number
<->

Dynamic Programming
Matrix Chain Multiplication
<->

Dynamic Programming
Edit Distance
<->

Dynamic Programming
Subset Sum Problem
<->

Dynamic Programming
Friends Pairing Problem
<->

Dynamic Programming
Gold Mine Problem
<->

Dynamic Programming
Assembly Line SchedulingProblem
<->

Dynamic Programming
Painting the Fenceproblem
<->

Dynamic Programming
Maximize The Cut Segments
<->

Dynamic Programming
Longest Common Subsequence
<->

Dynamic Programming
Longest Repeated Subsequence
<->

Dynamic Programming
Longest Increasing Subsequence
<->

Dynamic Programming
Space Optimized Solution of LCS
<->

Dynamic Programming
LCS (Longest Common Subsequence) of three strings
<->

Dynamic Programming
Maximum Sum Increasing Subsequence
<->

Dynamic Programming
Count all subsequences having product less than K
<->

Dynamic Programming

Longest subsequence such that difference between adjacent is one

<->

Dynamic Programming

Maximum subsequence sum such that no three are consecutive

<->

Dynamic Programming

Egg Dropping Problem

<->

Dynamic Programming

Maximum Length Chain of Pairs

<->

Dynamic Programming

Maximum size square sub-matrix with all 1s

<->

Dynamic Programming

Maximum sum of pairs with specific difference

<->

Dynamic Programming

Min Cost PathProblem

<->

Dynamic Programming

Maximum difference of zeros and ones in binary string

<->

Dynamic Programming

Minimum number of jumps to reach end

<->

Dynamic Programming

Minimum cost to fill given weight in a bag

<->

Dynamic Programming

Minimum removals from array to make max –min <= K

<->

Dynamic Programming
Longest Common Substring
<->

Dynamic Programming
Count number of ways to reacha given score in a game
<->

Dynamic Programming
Count Balanced Binary Trees of Height h
<->

Dynamic Programming
LargestSum Contiguous Subarray [V>V>V>V IMP]
<->

Dynamic Programming
Smallest sum contiguous subarray
<->

Dynamic Programming
Unbounded Knapsack (Repetition of items allowed)
<->

Dynamic Programming
Word Break Problem
<->

Dynamic Programming
Largest Independent Set Problem
<->

Dynamic Programming
Partition problem
<->

Dynamic Programming
Longest Palindromic Subsequence
<->

Dynamic Programming
Count All Palindromic Subsequence in a given String
<->

Dynamic Programming
Longest Palindromic Substring
<->

Dynamic Programming
Longest alternating subsequence
<->

Dynamic Programming
Weighted Job Scheduling
<->

Dynamic Programming
Coin game winner where every player has three choices
<->

Dynamic Programming
Count Derangements (Permutation such that no element appears in its original position) [IMPORTANT]
<->

Dynamic Programming
Maximum profit by buying and selling a share at most twice [IMP]
<->

Dynamic Programming
Optimal Strategy for a Game
<->

Dynamic Programming
Optimal Binary Search Tree
<->

Dynamic Programming
Palindrome PartitioningProblem
<->

Dynamic Programming
Word Wrap Problem
<->

Dynamic Programming
Mobile Numeric Keypad Problem [IMP]
<->

Dynamic Programming
Boolean Parenthesization Problem
<->

Dynamic Programming
Largest rectangular sub-matrix whose sum is 0
<->

Dynamic Programming
Largest area rectangular sub-matrix with equal number of 1’s and 0’s [IMP]
<->

Dynamic Programming
Maximum sum rectangle in a 2D matrix
<->

Dynamic Programming
Maximum profit by buying and selling a share at most k times
<->

Dynamic Programming
Find if a string is interleaved of two other strings
<->

Dynamic Programming
Maximum Length of Pair Chain
<->

None
None
None

None
None
None

Bit Manipulation
Count set bits in an integer
<->

Bit Manipulation
Find the two non-repeating elements in an array of repeating elements
<->

Bit Manipulation

Count number of bits to be flipped to convert A to B

<->

Bit Manipulation

Count total set bits in all numbers from 1 to n

<->

Bit Manipulation

Program to find whether a no is power of two

<->

Bit Manipulation

Find position of the only set bit

<->

Bit Manipulation

Copy set bits in a range

<->

Bit Manipulation

Divide two integers without using multiplication, division and mod operator

<->

Bit Manipulation

Calculate square of a number without using *, / and pow()

<->

Bit Manipulation

Power Set

<->

Lorem ipsum

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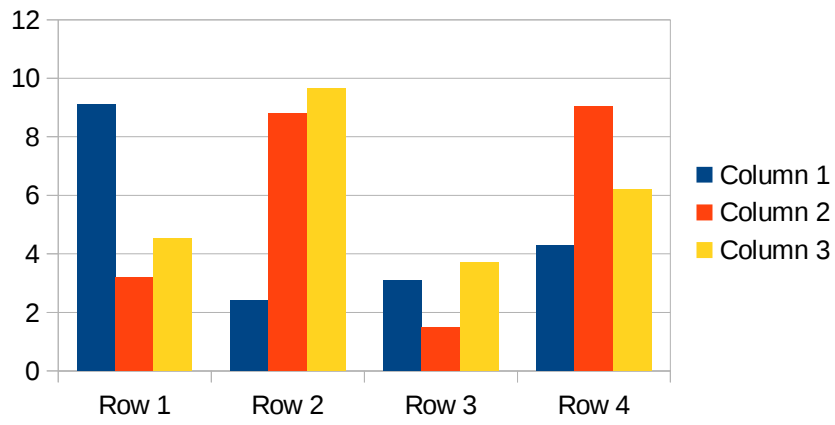
- Maecenas tincidunt est efficitur ligula euismod, sit amet ornare est vulputate.



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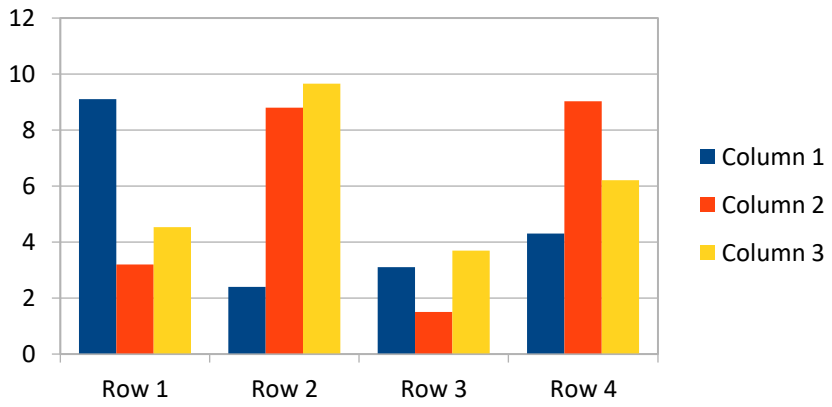

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