

### Problem Array:

- 1 [01 Reverse the array](#)
- 2 [02 Find the maximum and minimum element in an array](#)
- 3 [Find the "Kth" max and min element of an array](#)
- 4 [Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algo](#)
- 5 [Move all the negative elements to one side of the array](#)
- 6 [Find the Union and Intersection of the two sorted arrays.](#)
- 7 [Write a program to cyclically rotate an array by one.](#)
- 8 [find Largest sum contiguous Subarray \[V. IMP\]](#)
- 9 [Minimise the maximum difference between heights \[V.IMP\]](#)
- 10 [Minimum no. of Jumps to reach end of an array](#)
- 11 [find duplicate in an array of N+1 Integers](#)
- 12 [Merge 2 sorted arrays without using Extra space.](#)
- 13 [Kadane's Algo \[V.V.V.V.V IMP\]](#)
- 14 [Merge Intervals](#)
- 15 [Next Permutation](#)
- 16 [Count Inversion](#)
- 17 [Best time to buy and Sell stock](#)
- 18 [find all pairs on integer array whose sum is equal to given number](#)
- 19 [find common elements In 3 sorted arrays](#)
- 20 [Rearrange the array in alternating positive and negative items with O\(1\) extra space](#)
- 21 [Find if there is any subarray with sum equal to 0](#)
- 22 [Find factorial of a large number](#)
- 23 [find maximum product subarray](#)
- 24 [Find longest coinsecutive subsequence](#)
- 25 [Given an array of size n and a number k, fin all elements that appear more than " n/k " times.](#)
- 26 [Maximum profit by buying and selling a share atmost twice](#)
- 27 [Find whether an array is a subset of another array](#)
- 28 [Find the triplet that sum to a given value](#)
- 29 [Trapping Rain water problem](#)
- 30 [Chocolate Distribution problem](#)
- 31 [Smallest Subarray with sum greater than a given value](#)
- 32 [Three way partitioning of an array around a given value](#)
- 33 [Minimum swaps required bring elements less equal K together](#)
- 34 [Minimum no. of operations required to make an array palindrome](#)
- 35 [Median of 2 sorted arrays of equal size](#)
- 36 [Median of 2 sorted arrays of different size](#)

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### Problem Matrix:

- 39 [Spiral traversal on a Matrix](#)
- 40 [Search an element in a matrix](#)
- 41 [Find median in a row wise sorted matrix](#)
- 42 [Find row with maximum no. of 1's](#)
- 43 [Print elements in sorted order using row-column wise sorted matrix](#)
- 44 [Maximum size rectangle](#)
- 45 [Find a specific pair in matrix](#)
- 46 [Rotate matrix by 90 degrees](#)
- 47 [Kth smallest element in a row-column wise sorted matrix](#)
- 48 [Common elements in all rows of a given matrix](#)

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#### Problem String:

- 51 [Reverse a String](#)
- 52 [Check whether a String is Palindrome or not](#)
- 53 [Find Duplicate characters in a string](#)
- 54 [Why strings are immutable in Java?](#)
- 55 [Write a Code to check whether one string is a rotation of another](#)
- 56 [Write a Program to check whether a string is a valid shuffle of two strings or not](#)
- 57 [Count and Say problem](#)
- 58 [Write a program to find the longest Palindrome in a string.\[ Longest palindromic Substring\]](#)
- 59 [Find Longest Recurring Subsequence in String](#)
- 60 [Print all Subsequences of a string.](#)
- 61 [Print all the permutations of the given string](#)
- 62 [Split the Binary string into two substring with equal 0's and 1's](#)
- 63 [Word Wrap Problem \[VERY IMP\].](#)
- 64 [EDIT Distance \[Very Imp\]](#)
- 65 [Find next greater number with same set of digits. \[Very Very IMP\]](#)
- 66 [Balanced Parenthesis problem.\[Imp\]](#)
- 67 [Word break Problem\[ Very Imp\]](#)
- 68 [Rabin Karp Algo](#)
- 69 [KMP Algo](#)
- 70 [Convert a Sentence into its equivalent mobile numeric keypad sequence.](#)
- 71 [Minimum number of bracket reversals needed to make an expression balanced.](#)
- 72 [Count All Palindromic Subsequence in a given String.](#)
- 73 [Count of number of given string in 2D character array](#)
- 74 [Search a Word in a 2D Grid of characters.](#)
- 75 [Boyer Moore Algorithm for Pattern Searching.](#)
- 76 [Converting Roman Numerals to Decimal](#)
- 77 [Longest Common Prefix](#)
- 78 [Number of flips to make binary string alternate](#)
- 79 [Find the first repeated word in string.](#)
- 80 [Minimum number of swaps for bracket balancing.](#)
- 81 [Find the longest common subsequence between two strings.](#)
- 82 [Program to generate all possible valid IP addresses from given string.](#)
- 83 [Write a program to find the smallest window that contains all characters of string itself.](#)
- 84 [Rearrange characters in a string such that no two adjacent are same](#)
- 85 [Minimum characters to be added at front to make string palindrome](#)
- 86 [Given a sequence of words, print all anagrams together](#)
- 87 [Find the smallest window in a string containing all characters of another string](#)
- 88 [Recursively remove all adjacent duplicates](#)
- 89 [String matching where one string contains wildcard characters](#)
- 90 [Function to find Number of customers who could not get a computer](#)
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- 92 [Check if two given strings are isomorphic to each other](#)
- 93 [Recursively print all sentences that can be formed from list of word lists](#)

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- 96 [Find first and last positions of an element in a sorted array](#)
- 97 [Find a Fixed Point \(Value equal to index\) in a given array](#)
- 98 [Search in a rotated sorted array](#)
- 99 [square root of an integer](#)
- 100 [Maximum and minimum of an array using minimum number of comparisons](#)
- 101 [Optimum location of point to minimize total distance](#)
- 102 [Find the repeating and the missing](#)
- 103 [find majority element](#)

- 104 [Searching in an array where adjacent differ by at most k](#)
- 105 [find a pair with a given difference](#)
- 106 [find four elements that sum to a given value](#)
- 107 [maximum sum such that no 2 elements are adjacent](#)
- 108 [Count triplet with sum smaller than a given value](#)
- 109 [merge 2 sorted arrays](#)
- 110 [print all subarrays with 0 sum](#)
- 111 [Product array Puzzle](#)
- 112 [Sort array according to count of set bits](#)
- 113 [minimum no. of swaps required to sort the array](#)
- 114 [Bishu and Soldiers](#)
- 115 [Rasta and Kheshtak](#)
- 116 [Kth smallest number again](#)
- 117 [Find pivot element in a sorted array](#)
- 118 [K-th Element of Two Sorted Arrays](#)
- 119 [Aggressive cows](#)
- 120 [Book Allocation Problem](#)
- 121 [EKOSPOJ:](#)
- 122 [Job Scheduling Algo](#)
- 123 [Missing Number in AP](#)
- 124 [Smallest number with atleastn trailing zeroes infactorial](#)
- 125 [Painters Partition Problem:](#)
- 126 [ROTI-Prata SPOJ](#)
- 127 [DoubleHelix SPOJ](#)
- 128 [Subset Sums](#)
- 129 [Findthe inversion count](#)
- 130 [Implement Merge-sort in-place](#)
- 131 [Partitioning and Sorting Arrays with Many Repeated Entries](#)

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Problem Linkdlist:

- 134 [Write a Program to reverse the Linked List. \(Both Iterative and recursive\)](#)
- 135 [Reverse a Linked List in group of Given Size. \[Very Imp\]](#)
- 136 [Write a program to Detect loop in a linked list.](#)
- 137 [Write a program to Delete loop in a linked list.](#)
- 138 [Find the starting point of the loop.](#)
- 139 [Remove Duplicates in a sorted Linked List.](#)
- 140 [Remove Duplicates in a Un-sorted Linked List.](#)
- 141 [Write a Program to Move the last element to Front in a Linked List.](#)
- 142 [Add "1" to a number represented as a Linked List.](#)
- 143 [Add two numbers represented by linked lists.](#)
- 144 [Intersection of two Sorted Linked List.](#)
- 145 [Intersection Point of two Linked Lists.](#)
- 146 [Merge Sort For Linked lists.\[Very Important\]](#)
- 147 [Quicksort for Linked Lists.\[Very Important\]](#)
- 148 [Find the middle Element of a linked list.](#)
- 149 [Check if a linked list is a circular linked list.](#)
- 150 [Split a Circular linked list into two halves.](#)
- 151 [Write a Program to check whether the Singly Linked list is a palindrome or not.](#)
- 152 [Deletion from a Circular Linked List.](#)
- 153 [Reverse a Doubly Linked list.](#)
- 154 [Find pairs with a given sum in a DLL.](#)
- 155 [Count triplets in a sorted DLL whose sum is equal to given value "X".](#)
- 156 [Sort a "k"sorted Doubly Linked list.\[Very IMP\]](#)
- 157 [Rotate DoublyLinked list by N nodes.](#)

- 158 [Rotate a Doubly Linked list in group of Given Size.\[Very IMP\]](#)
- 159 Can we reverse a linked list in less than  $O(n)$  ?
- 160 Why Quicksort is preferred for. Arrays and Merge Sort for LinkedLists ?
- 161 [Flatten a Linked List](#)
- 162 [Sort a LL of 0's, 1's and 2's](#)
- 163 [Clone a linked list with next and random pointer](#)
- 164 [Merge K sorted Linked list](#)
- 165 [Multiply 2 no. represented by LL](#)
- 166 [Delete nodes which have a greater value on right side](#)
- 167 [Segregate even and odd nodes in a Linked List](#)
- 168 [Program for n'th node from the end of a Linked List](#)
- 169 [Find the first non-repeating character from a stream of characters](#)

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171 Problem BT:

- 172 [level order traversal](#)
- 173 [Reverse Level Order traversal](#)
- 174 [Height of a tree](#)
- 175 [Diameter of a tree](#)
- 176 [Mirror of a tree](#)
- 177 [Inorder Traversal of a tree both using recursion and Iteration](#)
- 178 [Preorder Traversal of a tree both using recursion and Iteration](#)
- 179 [Postorder Traversal of a tree both using recursion and Iteration](#)
- 180 [Left View of a tree](#)
- 181 [Right View of Tree](#)
- 182 [Top View of a tree](#)
- 183 [Bottom View of a tree](#)
- 184 [Zig-Zag traversal of a binary tree](#)
- 185 [Check if a tree is balanced or not](#)
- 186 [Diagnol Traversal of a Binary tree](#)
- 187 [Boundary traversal of a Binary tree](#)
- 188 [Construct Binary Tree from String with Bracket Representation](#)
- 189 [Convert Binary tree into Doubly Linked List](#)
- 190 [Convert Binary tree into Sum tree](#)
- 191 [Construct Binary tree from Inorder and preorder traversal](#)
- 192 [Find minimum swaps required to convert a Binary tree into BST](#)
- 193 [Check if Binary tree is Sum tree or not](#)
- 194 [Check if all leaf nodes are at same level or not](#)
- 195 [Check if a Binary Tree contains duplicate subtrees of size 2 or more \[ IMP \]](#)
- 196 [Check if 2 trees are mirror or not](#)
- 197 [Sum of Nodes on the Longest path from root to leaf node](#)
- 198 [Check if given graph is tree or not. \[ IMP \]](#)
- 199 [Find Largest subtree sum in a tree](#)
- 200 [Maximum Sum of nodes in Binary tree such that no two are adjacent](#)
- 201 [Print all "K" Sum paths in a Binary tree](#)
- 202 [Find LCA in a Binary tree](#)
- 203 [Find distance between 2 nodes in a Binary tree](#)
- 204 [Kth Ancestor of node in a Binary tree](#)
- 205 [Find all Duplicate subtrees in a Binary tree \[ IMP \]](#)
- 206 [Tree Isomorphism Problem](#)

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208 Problem BST:

- 209 [Find a value in a BST](#)
- 210 [Deletion of a node in a BST](#)
- 211 [Find min and max value in a BST](#)

- 212 [Find inorder successor and inorder predecessor in a BST](#)
- 213 [Check if a tree is a BST or not](#)
- 214 [Populate Inorder successor of all nodes](#)
- 215 [Find LCA of 2 nodes in a BST](#)
- 216 [Construct BST from preorder traversal](#)
- 217 [Convert Binary tree into BST](#)
- 218 [Convert a normal BST into a Balanced BST](#)
- 219 [Merge two BST \[ V.V.V>IMP \]](#)
- 220 [Find Kth largest element in a BST](#)
- 221 [Find Kth smallest element in a BST](#)
- 222 [Count pairs from 2 BST whose sum is equal to given value "X"](#)
- 223 [Find the median of BST in O\(n\) time and O\(1\) space](#)
- 224 [Count BST nodes that lie in a given range](#)
- 225 [Replace every element with the least greater element on its right](#)
- 226 [Given "n" appointments, find the conflicting appointments](#)
- 227 [Check preorder is valid or not](#)
- 228 [Check whether BST contains Dead end](#)
- 229 [Largest BST in a Binary Tree \[ V.V.V.V.V IMP \]](#)
- 230 [Flatten BST to sorted list](#)
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Problem Greedy:
- 233 [Activity Selection Problem](#)
- 234 [Job Sequencing Problem](#)
- 235 [Huffman Coding](#)
- 236 [Water Connection Problem](#)
- 237 [Fractional Knapsack Problem](#)
- 238 [Greedy Algorithm to find Minimum number of Coins](#)
- 239 [Maximum trains for which stoppage can be provided](#)
- 240 [Minimum Platforms Problem](#)
- 241 [Buy Maximum Stocks if i stocks can be bought on i-th day](#)
- 242 [Find the minimum and maximum amount to buy all N candies](#)
- 243 [Minimize Cash Flow among a given set of friends who have borrowed money from each other](#)
- 244 [Minimum Cost to cut a board into squares](#)
- 245 [Check if it is possible to survive on Island](#)
- 246 [Find maximum meetings in one room](#)
- 247 [Maximum product subset of an array](#)
- 248 [Maximize array sum after K negations](#)
- 249 [Maximize the sum of arr\[i\]\\*i](#)
- 250 [Maximum sum of absolute difference of an array](#)
- 251 [Maximize sum of consecutive differences in a circular array](#)
- 252 [Minimum sum of absolute difference of pairs of two arrays](#)
- 253 [Program for Shortest Job First \(or SJF\) CPU Scheduling](#)
- 254 [Program for Least Recently Used \(LRU\) Page Replacement algorithm](#)
- 255 [Smallest subset with sum greater than all other elements](#)
- 256 [Chocolate Distribution Problem](#)
- 257 [DEFKIN -Defense of a Kingdom](#)
- 258 [DIEHARD -DIE HARD](#)
- 259 [GERGOVIA -Wine trading in Gergovia](#)
- 260 [Picking Up Chicks](#)
- 261 [CHOCOLA –Chocolate](#)
- 262 [ARRANGE -Arranging Amplifiers](#)
- 263 [K Centers Problem](#)
- 264 [Minimum Cost of ropes](#)
- 265 [Find smallest number with given number of digits and sum of digits](#)

266 [Rearrange characters in a string such that no two adjacent are same](#)

267 [Find maximum sum possible equal sum of three stacks](#)

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269 Problem Backtracking:

270 [Rat in a maze Problem](#)

271 [Printing all solutions in N-Queen Problem](#)

272 [Word Break Problem using Backtracking](#)

273 [Remove Invalid Parentheses](#)

274 [Sudoku Solver](#)

275 [m Coloring Problem](#)

276 [Print all palindromic partitions of a string](#)

277 [Subset Sum Problem](#)

278 [The Knight's tour problem](#)

279 [Tug of War](#)

280 [Find shortest safe route in a path with landmines](#)

281 [Combinational Sum](#)

282 [Find Maximum number possible by doing at-most K swaps](#)

283 [Print all permutations of a string](#)

284 [Find if there is a path of more than k length from a source](#)

285 [Longest Possible Route in a Matrix with Hurdles](#)

286 [Print all possible paths from top left to bottom right of a mXn matrix](#)

287 [Partition of a set into K subsets with equal sum](#)

288 [Find the K-th Permutation Sequence of first N natural numbers](#)

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290 Problem Stack And Queues:

291 [Implement Stack from Scratch](#)

292 [Implement Queue from Scratch](#)

293 [Implement 2 stack in an array](#)

294 [find the middle element of a stack](#)

295 [Implement "N" stacks in an Array](#)

296 [Check the expression has valid or Balanced parenthesis or not.](#)

297 [Reverse a String using Stack](#)

298 [Design a Stack that supports getMin\(\) in O\(1\) time and O\(1\) extra space.](#)

299 [Find the next Greater element](#)

300 [The celebrity Problem](#)

301 [Arithmetic Expression evaluation](#)

302 [Evaluation of Postfix expression](#)

303 [Implement a method to insert an element at its bottom without using any other data structure.](#)

304 [Reverse a stack using recursion](#)

305 [Sort a Stack using recursion](#)

306 [Merge Overlapping Intervals](#)

307 [Largest rectangular Area in Histogram](#)

308 [Length of the Longest Valid Substring](#)

309 [Expression contains redundant bracket or not](#)

310 [Implement Stack using Queue](#)

311 [Implement Stack using Deque](#)

312 [Stack Permutations \(Check if an array is stack permutation of other\)](#)

313 [Implement Queue using Stack](#)

314 [Implement "n" queue in an array](#)

315 [Implement a Circular queue](#)

316 [LRU Cache Implementation](#)

317 [Reverse a Queue using recursion](#)

318 [Reverse the first "K" elements of a queue](#)

319 [Interleave the first half of the queue with second half](#)

320 [Find the first circular tour that visits all Petrol Pumps](#)  
321 [Minimum time required to rot all oranges](#)  
322 [Distance of nearest cell having 1 in a binary matrix](#)  
323 [First negative integer in every window of size "k"](#)  
324 [Check if all levels of two trees are anagrams or not.](#)  
325 [Sum of minimum and maximum elements of all subarrays of size "k".](#)  
326 [Minimum sum of squares of character counts in a given string after removing "k" characters.](#)  
327 [Queue based approach or first non-repeating character in a stream.](#)  
328 [Next Smaller Element](#)

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330 Problem Heap:

331 [Implement a Maxheap/MinHeap using arrays and recursion.](#)  
332 [Sort an Array using heap. \(HeapSort\)](#)  
333 [Maximum of all subarrays of size k.](#)  
334 ["k" largest element in an array](#)  
335 [Kth smallest and largest element in an unsorted array](#)  
336 [Merge "K" sorted arrays. \[ IMP \]](#)  
337 [Merge 2 Binary Max Heaps](#)  
338 [Kth largest sum continuous subarrays](#)  
339 [Leetcode- reorganize strings](#)  
340 [Merge "K" Sorted Linked Lists \[V.IMP\]](#)  
341 [Smallest range in "K" Lists](#)  
342 [Median in a stream of Integers](#)  
343 [Check if a Binary Tree is Heap](#)  
344 [Connect "n" ropes with minimum cost](#)  
345 [Convert BST to Min Heap](#)  
346 [Convert min heap to max heap](#)  
347 [Rearrange characters in a string such that no two adjacent are same.](#)  
348 [Minimum sum of two numbers formed from digits of an array](#)

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350 Problem Graph:

351 [Create a Graph, print it](#)  
352 [Implement BFS algorithm](#)  
353 [Implement DFS Algo](#)  
354 [Detect Cycle in Directed Graph using BFS/DFS Algo](#)  
355 [Detect Cycle in UnDirected Graph using BFS/DFS Algo](#)  
356 [Search in a Maze](#)  
357 [Minimum Step by Knight](#)  
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359 [Clone a graph](#)  
360 [Making wired Connections](#)  
361 [word Ladder](#)  
362 [Dijkstra algo](#)  
363 [Implement Topological Sort](#)  
364 [Minimum time taken by each job to be completed given by a Directed Acyclic Graph](#)  
365 [Find whether it is possible to finish all tasks or not from given dependencies](#)  
366 [Find the no. of Islands](#)  
367 [Given a sorted Dictionary of an Alien Language, find order of characters](#)  
368 [Implement Kruksal's Algorithm](#)  
369 [Implement Prim's Algorithm](#)  
370 [Total no. of Spanning tree in a graph](#)  
371 [Implement Bellman Ford Algorithm](#)  
372 [Implement Floyd warshall Algorithm](#)  
373 [Travelling Salesman Problem](#)

374 [Graph Colouring Problem](#)  
 375 [Snake and Ladders Problem](#)  
 376 [Find bridge in a graph](#)  
 377 [Count Strongly connected Components\(Kosaraju Algo\)](#)  
 378 [Check whether a graph is Bipartite or Not](#)  
 379 [Detect Negative cycle in a graph](#)  
 380 [Longest path in a Directed Acyclic Graph](#)  
 381 [Journey to the Moon](#)  
 382 [Cheapest Flights Within K Stops](#)  
 383 [Oliver and the Game](#)  
 384 [Water Jug problem using BFS](#)  
 385 [Water Jug problem using BFS](#)  
 386 [Find if there is a path of more than length from a source](#)  
 387 [M-Colouring Problem](#)  
 388 [Minimum edges to reverse o make path from source to destination](#)  
 389 [Paths to travel each nodes using each edge\(Seven Bridges\)](#)  
 390 [Vertex Cover Problem](#)  
 391 [Chinese Postman or Route Inspection](#)  
 392 [Number of Triangles in a Directed and Undirected Graph](#)  
 393 [Minimise the cashflow among a given set of friends who have borrowed money from each other](#)  
 394 [Two Clique Problem](#)  
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 396 Problem Trie:  
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 398 [Find shortest unique prefix for every word in a given list](#)  
 399 [Word Break Problem | \(Trie solution\)](#)  
 400 [Given a sequence of words, print all anagrams together](#)  
 401 [Implement a Phone Directory](#)  
 402 [Print unique rows in a given boolean matrix](#)  
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 404 Problem DP:  
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 406 [Knapsack Problem](#)  
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 408 [Permutation Coefficient Problem](#)  
 409 [Program for nth Catalan Number](#)  
 410 [Matrix Chain Multiplication](#)  
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 417 [Maximize The Cut Segments](#)  
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 421 [Space Optimized Solution of LCS](#)  
 422 [LCS \(Longest Common Subsequence\) of three strings](#)  
 423 [Maximum Sum Increasing Subsequence](#)  
 424 [Count all subsequences having product less than K](#)  
 425 [Longest subsequence such that difference between adjacent is one](#)  
 426 [Maximum subsequence sum such that no three are consecutive](#)  
 427 [Egg Dropping Problem](#)



428 [Maximum Length Chain of Pairs](#)  
429 [Maximum size square sub-matrix with all 1s](#)  
430 [Maximum sum of pairs with specific difference](#)  
431 [Min Cost Path Problem](#)  
432 [Maximum difference of zeros and ones in binary string](#)  
433 [Minimum number of jumps to reach end](#)  
434 [Minimum cost to fill given weight in a bag](#)  
435 [Minimum removals from array to make max - min <= K](#)  
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437 [Count number of ways to reach a given score in a game](#)  
438 [Count Balanced Binary Trees of Height h](#)  
439 [Largest Sum Contiguous Subarray \[V>V>V>V IMP\]](#)  
440 [Smallest sum contiguous subarray](#)  
441 [Unbounded Knapsack \(Repetition of items allowed\)](#)  
442 [Word Break Problem](#)  
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446 [Count All Palindromic Subsequence in a given String](#)  
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448 [Longest alternating subsequence](#)  
449 [Weighted Job Scheduling](#)  
450 [Coin game winner where every player has three choices](#)  
451 [Count Derangements \(Permutation such that no element appears in its original position\) \[ IMPORTANT \]](#)  
452 [Maximum profit by buying and selling a share at most twice \[ IMP \]](#)  
453 [Optimal Strategy for a Game](#)  
454 [Optimal Binary Search Tree](#)  
455 [Palindrome Partitioning Problem](#)  
456 [Word Wrap Problem](#)  
457 [Mobile Numeric Keypad Problem \[ IMP \]](#)  
458 [Boolean Parenthesization Problem](#)  
459 [Largest rectangular sub-matrix whose sum is 0](#)  
460 [Largest area rectangular sub-matrix with equal number of 1's and 0's \[ IMP \]](#)  
461 [Maximum sum rectangle in a 2D matrix](#)  
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463 [Find if a string is interleaved of two other strings](#)  
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466 Problem BIT manipulation:  
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468 [Find the two non-repeating elements in an array of repeating elements](#)  
469 [Count number of bits to be flipped to convert A to B](#)  
470 [Count total set bits in all numbers from 1 to n](#)  
471 [Program to find whether a no is power of two](#)  
472 [Find position of the only set bit](#)  
473 [Copy set bits in a range](#)  
474 [Divide two integers without using multiplication, division and mod operator](#)  
475 [Calculate square of a number without using \\*, / and pow\(\)](#)  
476 [Power Set](#)