Transformer AI

The Leet-Code Engineer

A Book

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# Overview

Leet-Code has changed the coding landscape. The level of skill and quality of engineering delivered to organizations has revolutionized the Technology Industry Landscape. What the leet-code practiced engineer can render to any problem-domain, the speed at which they can do it and the quality of code that they deliver is the reason and motivation behind this book.

## Leet-Code Problem Sets

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  + 3034, Numbers of Sub-arrays that match a pattern I
  + 3036, Numbers of Sub-arrays that match a pattern II

# 1, Two-Sum

## Description

Given an array of integers nums and an integer target, return *indices of the two numbers such that they add up to target*. You may assume that each input would have ***exactly* one solution**, and you may not use the *same* element twice. You can return the answer in any order.

## Test Examples and Constraints

**Example 1:**

**Input:** nums = [2,7,11,15], target = 9

**Output:** [0,1]

**Explanation:** Because nums[0] + nums[1] == 9, we return [0, 1].

**Example 2:**

**Input:** nums = [3,2,4], target = 6

**Output:** [1,2]

**Example 3:**

**Input:** nums = [3,3], target = 6

**Output:** [0,1]

**Constraints:**

* 2 <= nums.length <= 104
* -109 <= nums[i] <= 109
* -109 <= target <= 109
* **Only one valid answer exists.**

**Follow-up:**Can you come up with an algorithm that is less than O(n2) time complexity?

## Solution

from typing import List

class Solution:

    def twoSum(self, nums: List[int], target: int) -> List[int]:

        i = 0

        nxt = i + 1

        while nxt < len(nums):

            if nums[i] + nums[nxt] == target:

                return [i, nxt]

            i += 1

            nxt += 1

# 3, Longest Substring without Repeating Chars

## Description

Given a string s, find the length of the **longest** **substring** without repeating characters.

## Test Examples and Constraints

**Example 1:**

**Input:** s = "abcabcbb"

**Output:** 3

**Explanation:** The answer is "abc", with the length of 3.

**Example 2:**

**Input:** s = "bbbbb"

**Output:** 1

**Explanation:** The answer is "b", with the length of 1.

**Example 3:**

**Input:** s = "pwwkew"

**Output:** 3

**Explanation:** The answer is "wke", with the length of 3.

Notice that the answer must be a substring, "pwke" is a subsequence and not a substring.

**Constraints:**

* 0 <= s.length <= 5 \* 104
* s consists of English letters, digits, symbols and spaces.

## Solution

from typing import List

# 8, String to Integer

## Description

Implement the myAtoi(string s) function, which converts a string to a 32-bit signed integer.

The algorithm for myAtoi(string s) is as follows:

1. **Whitespace**: Ignore any leading whitespace (" ").
2. **Signedness**: Determine the sign by checking if the next character is '-' or '+', assuming positivity is neither present.
3. **Conversion**: Read the integer by skipping leading zeros until a non-digit character is encountered or the end of the string is reached. If no digits were read, then the result is 0.
4. **Rounding**: If the integer is out of the 32-bit signed integer range [-231, 231 - 1], then round the integer to remain in the range. Specifically, integers less than -231 should be rounded to -231, and integers greater than 231 - 1 should be rounded to 231 - 1.

Return the integer as the final result.

## Test Examples and Constraints

You

## Solution

from typing import List

# 11, Container with the Most Water

## Description

You are given an integer array height of length n. There are n vertical lines drawn such that the two endpoints of the ith line are (i, 0) and (i, height[i]).

Find two lines that together with the x-axis form a container, such that the container contains the most water.

Return *the maximum amount of water a container can store*.

**Notice** that you may not slant the container.

## Test Examples and Constraints

You

## Solution

from typing import List

# 12, Integer to Roman

## Description

Seven different symbols represent Roman numerals with the following values:

| Symbol | Value |
| --- | --- |
| I | 1 |
| V | 5 |
| X | 10 |
| L | 50 |
| C | 100 |
| D | 500 |
| M | 1000 |

Roman numerals are formed by appending the conversions of decimal place values from highest to lowest. Converting a decimal place value into a Roman numeral has the following rules:

* If the value does not start with 4 or 9, select the symbol of the maximal value that can be subtracted from the input, append that symbol to the result, subtract its value, and convert the remainder to a Roman numeral.
* If the value starts with 4 or 9 use the **subtractive form** representing one symbol subtracted from the following symbol, for example, 4 is 1 (I) less than 5 (V): IV and 9 is 1 (I) less than 10 (X): IX. Only the following subtractive forms are used: 4 (IV), 9 (IX), 40 (XL), 90 (XC), 400 (CD) and 900 (CM).
* Only powers of 10 (I, X, C, M) can be appended consecutively at most 3 times to represent multiples of 10. You cannot append 5 (V), 50 (L), or 500 (D) multiple times. If you need to append a symbol 4 times use the **subtractive form**.

Given an integer, convert it to a Roman numeral.

## Test Examples and Constraints

You

## Solution

from typing import List

# 13, Roman to Integer

## Description

Roman numerals are represented by seven different symbols: I, V, X, L, C, D and M.

**Symbol** **Value**

I 1

V 5

X 10

L 50

C 100

D 500

M 1000

For example, 2 is written as II in Roman numeral, just two ones added together. 12 is written as XII, which is simply X + II. The number 27 is written as XXVII, which is XX + V + II.

Roman numerals are usually written largest to smallest from left to right. However, the numeral for four is not IIII. Instead, the number four is written as IV. Because the one is before the five we subtract it making four. The same principle applies to the number nine, which is written as IX. There are six instances where subtraction is used:

* I can be placed before V (5) and X (10) to make 4 and 9.
* X can be placed before L (50) and C (100) to make 40 and 90.
* C can be placed before D (500) and M (1000) to make 400 and 900.

Given a roman numeral, convert it to an integer.

## Test Examples and Constraints

You

## Solution

from typing import List

# 15, 3-Sum

## Description

Given an integer array nums, return all the triplets [nums[i], nums[j], nums[k]] such that i != j, i != k, and j != k, and nums[i] + nums[j] + nums[k] == 0.

Notice that the solution set must not contain duplicate triplets.

## Test Examples and Constraints

You

## Solution

from typing import List

# 16, 3-Sum Closest

## Description

Given an integer array nums of length n and an integer target, find three integers in nums such that the sum is closest to target.

Return *the sum of the three integers*.

You may assume that each input would have exactly one solution.

## Test Examples and Constraints

## Solution

from typing import List

# , Implement StrStr

## Description

Fill me

## Test Examples and Constraints

You

## Solution

from typing import List

# 48, Rotate Image

## Description

You are given an n x n 2D matrix representing an image, rotate the image by **90** degrees (clockwise).

You have to rotate the image [**in-place**](https://en.wikipedia.org/wiki/In-place_algorithm), which means you have to modify the input 2D matrix directly. **DO NOT** allocate another 2D matrix and do the rotation.

## Test Examples and Constraints

You

## Solution

from typing import List

# 49, Group Anagrams

## Description

Given an array of strings strs, group the anagrams together. You can return the answer in **any order**.

## Test Examples and Constraints

You

## Solution

from typing import List

# 76, Minimum Window Substring

## Description

Given two strings s and t of lengths m and n respectively, return *the****minimum window*** ***substring***

*of*s*such that every character in*t*(****including duplicates****) is included in the window*. If there is no such substring, return *the empty string*"".

The testcases will be generated such that the answer is **unique**.

## Test Examples and Constraints

You

## Solution

from typing import List

# 165, Compare Version Numbers

## Description

Given two **version strings**, version1 and version2, compare them. A version string consists of **revisions** separated by dots '.'. The **value of the revision** is its **integer conversion** ignoring leading zeros.

To compare version strings, compare their revision values in **left-to-right order**. If one of the version strings has fewer revisions, treat the missing revision values as 0.

Return the following:

* If version1 < version2, return -1.
* If version1 > version2, return 1.
* Otherwise, return 0.

## Test Examples and Constraints

You

## Solution

from typing import List

# 238, Product of Array Except Self

## Description

Given an integer array nums, return *an array* answer *such that* answer[i] *is equal to the product of all the elements of* nums *except* nums[i].

The product of any prefix or suffix of nums is **guaranteed** to fit in a **32-bit** integer.

You must write an algorithm that runs in O(n) time and without using the division operation.

## Test Examples and Constraints

You

## Solution

from typing import List

# 268, Missing Number

## Description

Given an array nums containing n distinct numbers in the range [0, n], return *the only number in the range that is missing from the array.*

## Test Examples and Constraints

You

## Solution

from typing import List

# 273, Integer to English Words

## Description

Convert a non-negative integer num to its English words representation.

## Test Examples and Constraints

You

## Solution

from typing import List

# 387, First Unique Character in a String

## Description

Given a string s, find the **first** non-repeating character in it and return its index.

If it **does not** exist, return -1.

## Test Examples and Constraints

You

## Solution

from typing import List

# 678, Valid Parenthesis

## Description

Given a string s containing only three types of characters: '(', ')' and '\*', return true *if* s *is****valid***.

The following rules define a **valid** string:

* Any left parenthesis '(' must have a corresponding right parenthesis ')'.
* Any right parenthesis ')' must have a corresponding left parenthesis '('.
* Left parenthesis '(' must go before the corresponding right parenthesis ')'.
* '\*' could be treated as a single right parenthesis ')' or a single left parenthesis '(' or an empty string "".

## Test Examples and Constraints

You

## Solution

from typing import List

# 819, Most Common Word

## Description

Given a string paragraph and a string array of the banned words banned, return *the most frequent word that is not banned*. It is **guaranteed** there is **at least one word** that is not banned, and that the answer is **unique**.

The words in paragraph are **case-insensitive** and the answer should be returned in **lowercase**.

## Test Examples and Constraints

You

## Solution

from typing import List

# 937, Re-Order Log Files

## Description

You are given an array of logs. Each log is a space-delimited string of words, where the first word is the **identifier**.

There are two types of logs:

* **Letter-logs**: All words (except the identifier) consist of lowercase English letters.
* **Digit-logs**: All words (except the identifier) consist of digits.

Reorder these logs so that:

1. The **letter-logs** come before all **digit-logs**.
2. The **letter-logs** are sorted lexicographically by their contents. If their contents are the same, then sort them lexicographically by their identifiers.
3. The **digit-logs** maintain their relative ordering.

Return *the final order of the logs*.

## Test Examples and Constraints

You

## Solution

from typing import List

# 42, Trapping Rain Water

## Description

Given n non-negative integers representing an elevation map where the width of each bar is 1, compute how much water it can trap after raining.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2, Add Two Numbers

## Description

You are given two **non-empty** linked lists representing two non-negative integers. The digits are stored in **reverse order**, and each of their nodes contains a single digit. Add the two numbers and return the sum as a linked list.

You may assume the two numbers do not contain any leading zero, except the number 0 itself.

## Test Examples and Constraints

You

## Solution

from typing import List

# 21, Merge Two Sorted Lists

## Description

You are given the heads of two sorted linked lists list1 and list2.

Merge the two lists into one **sorted** list. The list should be made by splicing together the nodes of the first two lists.

Return *the head of the merged linked list*.

## Test Examples and Constraints

You

## Solution

from typing import List

# 25, Reverse Nodes in K-Group

## Description

Given the head of a linked list, reverse the nodes of the list k at a time, and return *the modified list*.

k is a positive integer and is less than or equal to the length of the linked list. If the number of nodes is not a multiple of k then left-out nodes, in the end, should remain as it is.

You may not alter the values in the list's nodes, only nodes themselves may be changed.

## Test Examples and Constraints

You

## Solution

from typing import List

# 138, Copy List with Random Pointer

## Description

A linked list of length n is given such that each node contains an additional random pointer, which could point to any node in the list, or null.

Construct a [**deep copy**](https://en.wikipedia.org/wiki/Object_copying#Deep_copy) of the list. The deep copy should consist of exactly n **brand new** nodes, where each new node has its value set to the value of its corresponding original node. Both the next and random pointer of the new nodes should point to new nodes in the copied list such that the pointers in the original list and copied list represent the same list state. **None of the pointers in the new list should point to nodes in the original list**.

For example, if there are two nodes X and Y in the original list, where X.random --> Y, then for the corresponding two nodes x and y in the copied list, x.random --> y.

Return *the head of the copied linked list*.

The linked list is represented in the input/output as a list of n nodes. Each node is represented as a pair of [val, random\_index] where:

* val: an integer representing Node.val
* random\_index: the index of the node (range from 0 to n-1) that the random pointer points to, or null if it does not point to any node.

Your code will **only** be given the head of the original linked list.

## Test Examples and Constraints

You

## Solution

from typing import List

# 206, Reverse Linked Lists

## Description

Given the head of a singly linked list, reverse the list, and return *the reversed list*.

## Test Examples and Constraints

You

## Solution

from typing import List

# 23, Merge K-Sorted Lists

## Description

You are given an array of k linked-lists lists, each linked-list is sorted in ascending order.

*Merge all the linked-lists into one sorted linked-list and return it.*

## Test Examples and Constraints

You

## Solution

from typing import List

# 98, Validate Binary Search Tree

## Description

Given the root of a binary tree, *determine if it is a valid binary search tree (BST)*.

A **valid BST** is defined as follows:

* The left subtree of a node contains only nodes with keys **less than** the node's key.
* The right subtree of a node contains only nodes with keys **greater than** the node's key.
* Both the left and right subtrees must also be binary search trees.

## Test Examples and Constraints

You

## Solution

from typing import List

# 101, Symmetric Tree

## Description

Given the root of a binary tree, *check whether it is a mirror of itself* (i.e., symmetric around its center).

## Test Examples and Constraints

You

## Solution

from typing import List

# 102, Binary Tree, Level Order Traversal

## Description

Given the root of a binary tree, return *the level order traversal of its nodes' values*. (i.e., from left to right, level by level).

## Test Examples and Constraints

You

## Solution

from typing import List

# 103, Binary Tree, ZigZag Order Traversal

## Description

Given the root of a binary tree, return *the zigzag level order traversal of its nodes' values*. (i.e., from left to right, then right to left for the next level and alternate between).

## Test Examples and Constraints

You

## Solution

from typing import List

# 124, Binary Tree, Maximum Path Sum

## Description

A **path** in a binary tree is a sequence of nodes where each pair of adjacent nodes in the sequence has an edge connecting them. A node can only appear in the sequence **at most once**. Note that the path does not need to pass through the root.

The **path sum** of a path is the sum of the node's values in the path.

Given the root of a binary tree, return *the maximum****path sum****of any****non-empty****path*.

## Test Examples and Constraints

You

## Solution

from typing import List

# 126, Word Ladder II

## Description

A **transformation sequence** from word beginWord to word endWord using a dictionary wordList is a sequence of words beginWord -> s1 -> s2 -> ... -> sk such that:

* Every adjacent pair of words differs by a single letter.
* Every si for 1 <= i <= k is in wordList. Note that beginWord does not need to be in wordList.
* sk == endWord

Given two words, beginWord and endWord, and a dictionary wordList, return *all the****shortest transformation sequences****from* beginWord *to* endWord*, or an empty list if no such sequence exists. Each sequence should be returned as a list of the words*[beginWord, s1, s2, ..., sk].

## Test Examples and Constraints

You

## Solution

from typing import List

# 127, Word Ladder

## Description

A **transformation sequence** from word beginWord to word endWord using a dictionary wordList is a sequence of words beginWord -> s1 -> s2 -> ... -> sk such that:

* Every adjacent pair of words differs by a single letter.
* Every si for 1 <= i <= k is in wordList. Note that beginWord does not need to be in wordList.
* sk == endWord

Given two words, beginWord and endWord, and a dictionary wordList, return *the****number of words****in the****shortest transformation sequence****from* beginWord *to* endWord*, or*0*if no such sequence exists.*

## Test Examples and Constraints

You

## Solution

from typing import List

# 200, Number of Islands

## Description

Given an m x n 2D binary grid grid which represents a map of '1's (land) and '0's (water), return *the number of islands*.

An **island** is surrounded by water and is formed by connecting adjacent lands horizontally or vertically. You may assume all four edges of the grid are all surrounded by water.

## Test Examples and Constraints

You

## Solution

from typing import List

# 207, Course Schedule

## Description

There are a total of numCourses courses you have to take, labeled from 0 to numCourses - 1. You are given an array prerequisites where prerequisites[i] = [ai, bi] indicates that you **must** take course bi first if you want to take course ai.

* For example, the pair [0, 1], indicates that to take course 0 you have to first take course 1.

Return true if you can finish all courses. Otherwise, return false.

## Test Examples and Constraints

You

## Solution

from typing import List

# 236, Lowest Common Ancestor of Binary Tree

## Description

Given a binary tree, find the lowest common ancestor (LCA) of two given nodes in the tree.

According to the [definition of LCA on Wikipedia](https://en.wikipedia.org/wiki/Lowest_common_ancestor): “The lowest common ancestor is defined between two nodes p and q as the lowest node in T that has both p and q as descendants (where we allow **a node to be a descendant of itself**).”

## Test Examples and Constraints

You

## Solution

from typing import List

# 543, Diameter of Binary Tree

## Description

Given the root of a binary tree, return *the length of the****diameter****of the tree*.

The **diameter** of a binary tree is the **length** of the longest path between any two nodes in a tree. This path may or may not pass through the root.

The **length** of a path between two nodes is represented by the number of edges between them.

## Test Examples and Constraints

You

## Solution

from typing import List

# 675, Cut-Off Trees for Golf Event

## Description

You are asked to cut off all the trees in a forest for a golf event. The forest is represented as an m x n matrix. In this matrix:

* 0 means the cell cannot be walked through.
* 1 represents an empty cell that can be walked through.
* A number greater than 1 represents a tree in a cell that can be walked through, and this number is the tree's height.

In one step, you can walk in any of the four directions: north, east, south, and west. If you are standing in a cell with a tree, you can choose whether to cut it off.

You must cut off the trees in order from shortest to tallest. When you cut off a tree, the value at its cell becomes 1 (an empty cell).

Starting from the point (0, 0), return *the minimum steps you need to walk to cut off all the trees*. If you cannot cut off all the trees, return -1.

**Note:** The input is generated such that no two trees have the same height, and there is at least one tree needs to be cut off.

## Test Examples and Constraints

You

## Solution

from typing import List

# 733, Flood Fill

## Description

You are given an image represented by an m x n grid of integers image, where image[i][j] represents the pixel value of the image. You are also given three integers sr, sc, and color. Your task is to perform a **flood fill** on the image starting from the pixel image[sr][sc].

To perform a **flood fill**:

1. Begin with the starting pixel and change its color to color.
2. Perform the same process for each pixel that is **directly adjacent** (pixels that share a side with the original pixel, either horizontally or vertically) and shares the **same color** as the starting pixel.
3. Keep **repeating** this process by checking neighboring pixels of the *updated* pixels and modifying their color if it matches the original color of the starting pixel.
4. The process **stops** when there are **no more** adjacent pixels of the original color to update.

Return the **modified** image after performing the flood fill.

## Test Examples and Constraints

You

## Solution

from typing import List

# 17, Letter Combinations of a Phone Number

## Description

Given a string containing digits from 2-9 inclusive, return all possible letter combinations that the number could represent. Return the answer in **any order**.

A mapping of digits to letters (just like on the telephone buttons) is given below. Note that 1 does not map to any letters.

A close-up of a phone keypad

Description automatically generated

## Test Examples and Constraints

You

## Solution

from typing import List

# 22, Generate Parenthesis

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 79, Word Search

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 212, Word Search II

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 4, Median of Two Sorted Arrays

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 33, Search in Rotated Sorted Array

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 56, Merge Intervals

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 167, Two Sum II, input array is sorted

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 215, Kth largest element in an array

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 253, Meeting Rooms II

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 347, Top K Frequent Elements

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 973, K closest points to origin

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 5, Longest Palindrome Substring

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 53, Maximum Subarray

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 121, Best Time to Buy and Sell a Stock

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 139, Word Break

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 322, Coin Change

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 146, LRU Cache

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 155, Min Stack

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 295, Find Median from Data Stream

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 297, Serialize and Deserialize a Binary Tree

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 348, Design Tic-Tac-Toe

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 642, Design Search Auto-Complete System

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 895, Maximum Frequency Stack

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 7, Reverse Integer

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 176, Second Highest Salary

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 763, Partition Labels

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 957, Prison Cells after N Days

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

Part II, META QUESTIONS

# 1140, Stone Game II

## Description

Fill me.

## Test Examples and Constraints

Fill me.

## Solution

from typing import List

# 54, Spiral Matrix

## Description

Fill me.

## Test Examples and Constraints

Fill me.

## Solution

from typing import List

# 542, 01 Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 766, Toeplitz Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 867, Transpose Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 59, Spiral Matrix II

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

# 73, Set Matrix Zeroes

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 311, Sparse Matrix Multiplication

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 566, Reshape the Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 756, Pyramid Transition Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 519, Random Flip Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 885, Spiral Matrix III

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1314, Matrix Block Sum

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1572, Matrix Diagonal Sum

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1975, Maximum Matrix Sum

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2326, Spiral Matrix IV

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2906, Construct Product Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 3033, Modify the Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 3248, Snake in Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 74, Search a 2D Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 861, Score after Flipping Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1329, Sort the Matrix Diagonally

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2679, Sum in a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 240, Search a 2D Matrix II

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1030, Matrix Cells in Distance Order

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1091, Shortest Path in Binary Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1632, Rank transform of a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1380, Lucky Numbers in a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2319, Check if Matrix is X-Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2392, Build a Matrix with Conditions

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2675, Array of Objects to Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2718, Sum of Matrix after Queries

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2946, Matrix Similarity after Cycle Shifts

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 3078, Match Alpha-Numeric Pattern in Matrix I

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 329, Longest increasing path in a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1253, Reconstruct a 2-row binary matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1582, Special positions in a binary matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2373, Largest local values in a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 378, Kth Smallest element in a sorted Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 562, Longest Line of Consecutive one in Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1252, Cells with odd values in a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1337, The K weakest rows in a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1351, Count Negative numbers in a Sorted Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1594, Maximum non-negative product in a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2387, Median of a row-wise sorted Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2713, Maximum Strictly Increasing cells in a Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2732, Find a good subset of the Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1605, Find valid Matrix given row and column sums

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1886, Determine weather Matrix can be obtained by Rotation

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2123, Minimum operations to remove Adjacent Ones in Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1284, Minimum number of Flips to Convert Binary Matrix to Zero Matrix

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2435, Paths in Matrix who’s sum is divisible by K

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1439, Find the Kth smallest sum of a matrix with sorted rows

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2556, Disconnect Path in a Binary Matrix by at most one flip

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 44, Wildcard Matching

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1023, Camelcase Matching

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 10, Regular Expression Matching

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 473, Matchsticks to Square

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 544, Output Contest Matches

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 686, Repeated String Match

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 942, DI String Match

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 792, Number of Matching Sub-Sequences

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2301, Match Substring after Replacement

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1408, String Matching in an Array

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1688, Count of Matches in a Tournament

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 1773, Count items matching a rule

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2339, All the matches of the league

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2410, Maximum matching of Players with Trainers

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 971, Flip binary tree to match pre-order traversal

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 2019, The Score of Students Solving Math Expression

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 3034, Numbers of Sub-arrays that match a pattern I

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List

# 3036, Numbers of Sub-arrays that match a pattern II

## Description

Fill me.

## Test Examples and Constraints

You

## Solution

from typing import List