

DescriptionEditorialSolutionsSubmissions

40. Combination Sum II

MediumTopicsCompanies

Given a collection of candidate numbers (`candidates`) and a target number (`target`), find all unique combinations in `candidates` where the candidate numbers sum to `target`.

Each number in `candidates` may only be used **once** in the combination.

**Note:** The solution set must not contain duplicate combinations.

**Example 1:**

Input: candidates = [10,1,2,7,6,1,5], target = 8

Output:

[  
[1,1,6],  
[1,2,5],  
[1,7],  
[2,6]  
]

**Example 2:**

Input: candidates = [2,5,2,1,2], target = 5

Output:

[  
[1,2,2],  
[5]  
]

Code

JavaAuto

```
1 import java.util.*;
2
3 class Solution {
4     public List<List<Integer>> combinationSum2(int[] candidates, int target) {
5
6         List<List<Integer>> result = new ArrayList<>();
7         Arrays.sort(candidates);
8
9         backtrack(candidates, target, 0, new ArrayList<>(), result);
10        return result;
11    }
12}
```

SavedLn 32, Col 2

TestcaseTest Result

[10,1,2,7,6,1,5]

target =  
8

Output  
[[1,1,6], [1,2,5], [1,7], [2,6]]

Expected  
[[1,1,6], [1,2,5], [1,7], [2,6]]

Contribute a testcase

12.2K225140 Online

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45. Jump Game II

MediumTopicsCompanies

You are given a 0-indexed array of integers `nums` of length `n`. You are initially positioned at index 0.

Each element `nums[i]` represents the maximum length of a forward jump from index `i`. In other words, if you are at index `i`, you can jump to any index `(i + j)` where:

- $0 \leq j \leq \text{nums}[i]$  and
- $i + j < n$

Return the minimum number of jumps to reach index `n - 1`. The test cases are generated such that you can reach index `n - 1`.

**Example 1:**

Input: `nums = [2,3,1,1,4]`  
Output: 2  
Explanation: The minimum number of jumps to reach the last index is 2. Jump 1 step from index 0 to 1, then 3 steps to the last index.

**Example 2:**

Input: `nums = [2,3,0,1,4]`  
Output: 2

**Constraints:**

16.4K273206 Online

Code

JavaAuto

```
9
10
11         farthest = Math.max(farthest, i + nums[i]);
12
13         if (i == currentEnd) {
14             jumps++;
15             currentEnd = farthest;
16         }
17
18     return jumps;
19 }
20 }
```

SavedLn 20, Col 2

TestcaseTest Result

Input

nums =  
[2,3,1,1,4]

Output

2

Expected

2

Contribute a testcase

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49. Group Anagrams

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

**Example 1:**

Input: `strs = ["eat","tea","tan","ate","nat","bat"]`

Output: `[["bat"],["nat","tan"],["ate","eat","tea"]]`

**Explanation:**

- There is no string in `strs` that can be rearranged to form `"bat"`.
- The strings `"nat"` and `"tan"` are anagrams as they can be rearranged to form each other.
- The strings `"ate"`, `"eat"`, and `"tea"` are anagrams as they can be rearranged to form each other.

**Example 2:**

Input: `strs = [""]`

Output: `[[""]]`

**Example 3:**

Input: `strs = ["a"]`

Output: `[["a"]]`

21.9K382351 Online

Code

JavaAuto

```
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
for (String s : strs) {
    char[] chars = s.toCharArray();
    Arrays.sort(chars);
    String key = new String(chars);

    map.computeIfAbsent(key, k -> new ArrayList< >()).add(s);
}

return new ArrayList< >(map.values());
}
```

SavedLn 18, Col

TestcaseTest Result

AcceptedRuntime: 1 ms

Case 1Case 2Case 3

Input

strs =  
["eat","tea","tan","ate","nat","bat"]

Output

[["eat","tea","ate"],["bat"],["tan","nat"]]

Expected

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## 66. Plus One

EasyTopicsCompanies

You are given a **large integer** represented as an integer array `digits`, where each `digits[i]` is the `ith` digit of the integer. The digits are ordered from most significant to least significant in left-to-right order. The large integer does not contain any leading `0`'s.

Increment the large integer by one and return *the resulting array of digits*.

**Example 1:**

**Input:** `digits = [1,2,3]`  
**Output:** `[1,2,4]`  
**Explanation:** The array represents the integer 123. Incrementing by one gives  $123 + 1 = 124$ . Thus, the result should be `[1,2,4]`.

**Example 2:**

**Input:** `digits = [4,3,2,1]`  
**Output:** `[4,3,2,2]`  
**Explanation:** The array represents the integer 4321. Incrementing by one gives  $4321 + 1 = 4322$ . Thus, the result should be `[4,3,2,2]`.

**Example 3:**

**Input:** `digits = [9]`  
**Output:** `[1,0]`  
**Explanation:** The array represents the integer 9.

11.7K671228 Online

Code

JavaAuto

```
9
10
11     digits[i] = 0;
12 }
13
14 // If all digits were 9
15 int[] result = new int[digits.length + 1];
16 result[0] = 1;
17
18 return result;
19 }
20 }
```

SavedLn 20, Col 2

TestcaseTest Result

AcceptedRuntime: 0 ms

Case 1Case 2Case 3

Input

digits =  
[1,2,3]

Output

[1,2,4]

Expected

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## 73. Set Matrix Zeroes

MediumTopicsCompaniesHint

Given an  $m \times n$  integer matrix `matrix`, if an element is `0`, set its entire row and column to `0`'s.

You must do it [in place](#).

**Example 1:**

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 |   | 1 | 0 | 1 |
| 1 | 0 | 1 | → | 0 | 0 | 0 |
| 1 | 1 | 1 |   | 1 | 0 | 1 |

Input: `matrix = [[1,1,1],[1,0,1],[1,1,1]]`  
Output: `[[1,0,1],[0,0,0],[1,0,1]]`

**Example 2:**

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 0 |   | 0 | 0 | 0 | 0 |
| 3 | 4 | 5 | 2 | → | 0 | 4 | 5 | 0 |
| 1 | 3 | 1 | 5 |   | 0 | 3 | 1 | 0 |

Code

JavaAuto

```
1 class Solution {
2     public void setZeroes(int[][] matrix) {
3
4         int m = matrix.length;
5         int n = matrix[0].length;
6
7         boolean firstRowZero = false;
8         boolean firstColZero = false;
9
10
11         for (int j = 0; j < n; j++) {
12             if (matrix[0][j] == 0) {
13                 firstColZero = true;
14             }
15         }
16
17         for (int i = 0; i < m; i++) {
18             if (matrix[i][0] == 0) {
19                 firstRowZero = true;
20             }
21         }
22
23         for (int i = 0; i < m; i++) {
24             for (int j = 0; j < n; j++) {
25                 if (i == 0 && firstColZero || j == 0 && firstRowZero || matrix[i][j] == 0) {
26                     matrix[i][j] = 0;
27                 }
28             }
29         }
30     }
31 }
```

SavedLn 18, Col 8

TestcaseTest Result

AcceptedRuntime: 0 ms

Case 1Case 2

Input

matrix =

[[1,1,1],[1,0,1],[1,1,1]]

Output

[[1,0,1],[0,0,0],[1,0,1]]

Expected

17K323195 Online

5

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Output: false

Constraints:

- `m == matrix.length`
- `n == matrix[i].length`
- `1 <= m, n <= 100`
- `-104 <= matrix[i][j], target <= 104`

Seen this question in a real interview before? 1/5

YesNo

Accepted 2,780,475/5.2M Acceptance Rate 53.5%

Topics

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17.8K 350 171 Online

Code

JavaAuto

```
16         if (matrix[row][col] == target) {
17             return true;
18         } else if (matrix[row][col] < target) {
19             left = mid + 1;
20         } else {
21             right = mid - 1;
22         }
23     }
24
25     return false;
26 }
27 }
```

SavedLn 27, Col 2

TestcaseTest Result

AcceptedRuntime: 0 ms

Case 1Case 2

Input

matrix =

[[1,3,5,7],[10,11,16,20],[23,30,34,60]]

target =

3

Output

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We will use the integers 0, 1, and 2 to represent the color red, white, and blue, respectively.

You must solve this problem without using the library's sort function.

Example 1:  
Input: nums = [2,0,2,1,1,0]  
Output: [0,0,1,1,2,2]

Example 2:  
Input: nums = [2,0,1]  
Output: [0,1,2]

Constraints:

- n == nums.length
- 1 <= n <= 300
- nums[i] is either 0, 1, or 2.

Follow up: Could you come up with a one-pass algorithm using only constant extra space?

Seen this question in a real interview before? 1/5

YesNo

Accepted 2,570,050Acceptance Rate 60.1%

21.4K649220 Online

Code

JavaAuto

```
1 class Solution {
2     public void sortColors(int[] nums) {
3
4         int low = 0, mid = 0, high = nums.length - 1;
5
6         while (mid <= high) {
7
8             if (nums[mid] == 0) {
9                 int temp = nums[low];
10                nums[low] = nums[mid];
11                nums[mid] = temp;
12                low++;
13            }
14        }
15    }
16 }
```

SavedLn 28, Col 2

TestcaseTest Result

AcceptedRuntime: 0 ms

Case 1Case 2

Input

nums =  
[2,0,2,1,1,0]

Output

[0,0,1,1,2,2]

Expected

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## 78. Subsets

MediumTopicsCompanies

Given an integer array `nums` of unique elements, return *all possible subsets* (the power set).

The solution set **must not** contain duplicate subsets. Return the solution in **any order**.

**Example 1:**

Input: `nums = [1,2,3]`  
Output: `[], [1], [2], [1,2], [3], [1,3], [2,3], [1,2,3]`

**Example 2:**

Input: `nums = [0]`  
Output: `[], [0]`

**Constraints:**

- `1 <= nums.length <= 10`
- `-10 <= nums[i] <= 10`
- All the numbers of `nums` are unique.

Seen this question in a real interview before? 1/5

19.1K238225 Online

Code

JavaAuto

```
12 List<Integer> current,
13 List<List<Integer>> result) {
14
15     result.add(new ArrayList<>(current));
16
17     for (int i = start; i < nums.length; i++) {
18         current.add(nums[i]);
19         backtrack(nums, i + 1, current, result);
20         current.remove(current.size() - 1);
21     }
22 }
23 }
```

SavedLn 23, Col 2

TestcaseTest Result

AcceptedRuntime: 0 ms

Case 1Case 2

Input

nums =  
[1,2,3]

Output

[[], [1], [1,2], [1,2,3], [1,3], [2], [2,3], [3]]

Expected



Array

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ADEE

Input: board = [ ["A","B","C","E"], ["S","F","C","S"], ["A","D","E","E"] ], word = "ABCEB"  
Output: false

Constraints:

- `m = board.length`
- `n = board[i].length`
- `1 <= m, n <= 6`
- `1 <= word.length <= 15`
- `board` and `word` consists of only lowercase and uppercase English letters.

Follow up: Could you use search pruning to make your solution faster with a larger `board`?

Seen this question in a real interview before? 1/5  
Yes No

Accepted 2,416,325/5.2M | Acceptance Rate 46.8%

Topics

17.5K 333 233 Online

Code

JavaAuto

```
1 class Solution {
2
3     public boolean exist(char[][] board, String word) {
4
5         int m = board.length;
6         int n = board[0].length;
7
8         for (int i = 0; i < m; i++) {
9             for (int j = 0; j < n; j++) {
10                 if (dfs(board, word, i, j, 0)) {
11                     return true;
12                 }
13             }
14         }
15     }
16 }
```

SavedLn 38, Col 31

TestcaseTest Result

AcceptedRuntime: 0 ms

Case 1Case 2Case 3

Input  
board =  
[["A","B","C","E"], ["S","F","C","S"], ["A","D","E","E"]]  
  
word =  
"ABCEB"  
  
Output

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## 18. 4Sum

MediumTopicsCompanies

Given an array `nums` of `n` integers, return an array of all the **unique quadruplets** `[nums[a], nums[b], nums[c], nums[d]]` such that:

- `0 <= a, b, c, d < n`
- `a, b, c, and d` are **distinct**.
- `nums[a] + nums[b] + nums[c] + nums[d] == target`

You may return the answer in **any order**.

**Example 1:**

Input: `nums = [1,0,-1,0,-2,2], target = 0`

Output: `[[-2,-1,1,2], [-2,0,0,2], [-1,0,0,1]]`

**Example 2:**

Input: `nums = [2,2,2,2,2], target = 8`

Output: `[[2,2,2,2]]`

**Constraints:**

- `1 <= nums.length <= 200`
- `-109 <= nums[i] <= 109`

12.8K379197 Online

Code

JavaAuto

```
1 import java.util.*;
2
3 class Solution {
4     public List<List<Integer>> fourSum(int[] nums, int target) {
5
6         List<List<Integer>> result = new ArrayList<>();
7         Arrays.sort(nums);
8         int n = nums.length;
9
10        for (int i = 0; i < n - 3; i++) {
11
12            if (i > 0 && nums[i] == nums[i - 1]) continue;
13
14            for (int j = i + 1; j < n - 2; j++) {
15
16                if (j > i + 1 && nums[j] == nums[j - 1]) continue;
17
18                for (int k = j + 1; k < n - 1; k++) {
19
20                    if (k > j + 1 && nums[k] == nums[k - 1]) continue;
21
22                    for (int l = k + 1; l < n; l++) {
23
24                        if (l > k + 1 && nums[l] == nums[l - 1]) continue;
25
26                        if (nums[i] + nums[j] + nums[k] + nums[l] == target) {
27                            result.add(new ArrayList<>(Arrays.asList(nums[i], nums[j], nums[k], nums[l])));
28                        }
29                    }
30                }
31            }
32        }
33
34        return result;
35    }
36}
```

SavedLn 51, Col 2

TestcaseTest Result

AcceptedRuntime: 2 ms

Case 1Case 2

Input

nums =  
[1,0,-1,0,-2,2]

target =  
0

Output

DescriptionEditorialSolutionsSubmissions

Output: -1

Constraints:

- $1 \leq \text{nums.length} \leq 5000$
- $-10^4 \leq \text{nums}[i] \leq 10^4$
- All values of `nums` are unique.
- `nums` is an ascending array that is possibly rotated.
- $-10^4 \leq \text{target} \leq 10^4$

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YesNo

Accepted 4,258,329 / 9.7M Acceptance Rate 44.1%

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Code

JavaAuto

```
27
28
29         if (target > nums[mid] && target <= nums[right]) {
30             left = mid + 1;
31         } else {
32             right = mid - 1;
33         }
34     }
35
36     return -1;
37 }
38 }
```

SavedLn 38, Col 2

TestcaseTest Result

AcceptedRuntime: 0 ms

Case 1Case 2Case 3

Input

nums =  
[4,5,6,7,0,1,2]

target =  
0

Output

11