2342. Max Sum of a Pair With Equal Sum of Digits

Solved ●

Medium Topics Companies Hint

You are given a **0-indexed** array `nums` consisting of **positive** integers. You can choose two indices `i` and `j`, such that `i != j`, and the sum of digits of the number `nums[i]` is equal to that of `nums[j]`.

Return *the **maximum** value of* `nums[i] + nums[j]` *that you can obtain over all possible indices* `i` *and* `j` *that satisfy the conditions.*

Example 1:

> **Input:** nums = [18,43,36,13,7]
> **Output:** 54
> **Explanation:** The pairs (i, j) that satisfy the conditions are:
> - (0, 2), both numbers have a sum of digits equal to 9, and their sum is 18 + 36 = 54.
> - (1, 4), both numbers have a sum of digits equal to 7, and their sum is 43 + 7 = 50.
> So the maximum sum that we can obtain is 54.

Example 2:

> **Input:** nums = [10,12,19,14]
> **Output:** -1
> **Explanation:** There are no two numbers that satisfy the conditions, so we return -1.

Constraints:

- `1 <= nums.length <= 10^5`
- `1 <= nums[i] <= 10^9`

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

Yes No

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Hint 1

Hint 2

Discussion (13)