6164. Max Sum of a Pair With Equal Sum of Digits

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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.*

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

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`

JavaScript

```
const maximumSum = (A) => {
    let m = new Map(), res = -1;
    for (const x of A) {
        let sum = sumOfDigit(x);
        if (!m.has(sum)) m.set(sum, []);
        m.get(sum).push(x);
    }
    for (const [sum, a] of m) {
        a.sort((x, y) => y - x);
        if (a.length >= 2) res = Math.max(res, a[0] + a[1]);
    }
    return res;
};

const sumOfDigit = (x) => {
    let s = x + '', res = 0;
    for (const c of s) res += c - '0';
    return res;
};
```

Custom Testcase Use Example Testcases

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