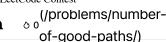
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6291. Difference Between Element Sum and Digit Sum of an Array

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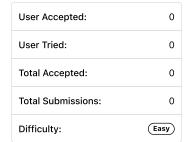
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You are given a positive integer array nums .

- The **element sum** is the sum of all the elements in nums .
- The digit sum is the sum of all the digits (not necessarily distinct) that appear in nums .

Return the $\it absolute$ difference between the $\it element$ $\it sum$ and $\it digit$ $\it sum$ of $\it nums$.

Note that the absolute difference between two integers x and y is defined as |x - y|.



Example 1:

```
Input: nums = [1,15,6,3]
Output: 9
Explanation:
The element sum of nums is 1 + 15 + 6 + 3 = 25.
The digit sum of nums is 1 + 1 + 5 + 6 + 3 = 16.
The absolute difference between the element sum and digit sum is |25 - 16| = 9.
```

Example 2:

```
Input: nums = [1,2,3,4]
Output: 0
Explanation:
The element sum of nums is 1 + 2 + 3 + 4 = 10.
The digit sum of nums is 1 + 2 + 3 + 4 = 10.
The absolute difference between the element sum and digit sum is |10 - 10| = 0.
```

Constraints:

- 1 <= nums.length <= 2000
- 1 <= nums[i] <= 2000

```
æ
JavaScript
    const sumOfDigit = (x) \Rightarrow \{ let s = x + '', res = 0; for (const c of s) res += c - '0'; return res; \};
1
    const differenceOfSum = (a) \Rightarrow \{
3 ▼
4
        let x = 0, y = 0;
5 ,
        for (const e of a) {
6
            x += e;
7
            y += sumOfDigit(e);
8
        return Math.abs(x - y);
10
    };
```

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