823. Split Array With Same Average

Difficulty : Hard

You are given an integer array `nums`.

You should move each element of `nums` into one of the two arrays `A` and `B` such that `A` and `B` are non-empty, and `average(A) == average(B)`.

Return `true` if it is possible to achieve that and `false` otherwise.

Note that for an array `arr`, `average(arr)` is the sum of all the elements of `arr` over the length of `arr`.

Example 1:

```
Input: nums = [1,2,3,4,5,6,7,8]
Output: true
Explanation: We can split the array into [1,4,5,8] and [2,3,6,7], and both of them have an average of 4.5.
```

Example 2:

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

Constraints:

- `1 <= nums.length <= 30`
- `0 <= nums[i] <= 10`^{4}