

5726. Sign of the Product of an Array

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There is a function `signFunc(x)` that returns:

- 1 if `x` is positive.
- -1 if `x` is negative.
- 0 if `x` is equal to 0.

You are given an integer array `nums`. Let `product` be the product of all values in the array `nums`.

Return `signFunc(product)`.

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

Example 1:

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

Output: 1

Explanation: The product of all values in the array is 144, and `signFunc(144) = 1`

Example 2:

Input: `nums = [1,5,0,2,-3]`

Output: 0

Explanation: The product of all values in the array is 0, and `signFunc(0) = 0`

Example 3:

Input: `nums = [-1,1,-1,1,-1]`

Output: -1

Explanation: The product of all values in the array is -1, and `signFunc(-1) = -1`

Constraints:

- $1 \leq \text{nums.length} \leq 1000$
- $-100 \leq \text{nums}[i] \leq 100$

JavaScript




```
1 const arraySign = (a) => {  
2   let neg = 0;  
3   for (const e of a) {  
4     if (e < 0) {  
5       neg++;  
6     } else if (e == 0) {  
7       return 0;  
8     }  
9   }  
10  return neg & 1 ? -1 : 1;  
11 };
```

☐ Custom Testcase ☒ Use Example Testcases

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