

2485. Find the Pivot Integer

Solved ●

Easy Topics Companies Hint

Given a positive integer `n`, find the **pivot integer** `x` such that:

- The sum of all elements between `1` and `x` inclusively equals the sum of all elements between `x` and `n` inclusively.

Return *the pivot integer* `x`. If no such integer exists, return `-1`. It is guaranteed that there will be at most one pivot index for the given input.

Example 1:

Input: `n = 8`
Output: `6`
Explanation: 6 is the pivot integer since: $1 + 2 + 3 + 4 + 5 + 6 = 6 + 7 + 8 = 21$.

Example 2:

Input: `n = 1`
Output: `1`
Explanation: 1 is the pivot integer since: $1 = 1$.

Example 3:

Input: `n = 4`
Output: `-1`
Explanation: It can be proved that no such integer exist.

Constraints:

- `1 <= n <= 1000`

Seen this question in a real interview before? 1/4

Yes No

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