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.

```
class Solution {
    func pivotInteger(_ n: Int) -> Int {
        var sum = n * (n+1) / 2

        var lastsum = n
        var nn = n
        while(nn > 0){
            if(lastsum == sum) {
                return nn

            } else {
                sum = sum - nn
                nn = nn - 1
                lastsum = lastsum + nn
            }
        }

        return -1
    }
}
```