2070. Number of mays to split array

2270. Number of Ways to Split Array	Solved
Medium ♥ Topics ♣ Companies ♀ Hint	
You are given a 0-indexed integer array nums of length n.	
nums contains a valid split at index i if the following are true:	
• The sum of the first $i + 1$ elements is greater than or equal to the sum of the last $n - i - 1$ elements.	
 There is at least one element to the right of i. That is, ∅ <= i < n − 1. 	
Return the number of valid splits in nums.	
<pre>Input: nums = [10,4,-8,7] Output: 2 Explanation: There are three ways of splitting nums into two non-empty parts: - Split nums at index 0. Then, the first part is [10], and its sum is 10. The second part is [4,-8,7], and its sum since 10 >= 3, i = 0 is a valid split Split nums at index 1. Then, the first part is [10,4], and its sum is 14. The second part is [-8,7], and its sum since 14 >= -1, i = 1 is a valid split Split nums at index 2. Then, the first part is [10,4,-8], and its sum is 6. The second part is [7], and its sum is Since 6 < 7, i = 2 is not a valid split. Thus, the number of valid splits in nums is 2.</pre>	is -1.

Aideia é calcular, primeramente, er soma total de array de entrada. Com a soma em maior, é passível, com uma soma parcial, encontrar a soma do restante dor valorer.

total = 13 Ex: [10,4,-8,7] Doma parcial partinda do final do avray: [10, 4, -8,7] Sartial Dum: 7 a sona dos elementos 19, 4, 8, pode ser encontrada usando: total - Santial Dum (PS) nuste caso: 13 - 7 = 6 = 10 + 4 + (-8)Urando essa lógica, lousta realizar a verificação: total - Sartial rum > Sartial Na próxima iteração: + PS=-1 [10,4,-8,7]

Sotal - PS = 13-(-1) = 14

30tal-PS>PS 3 Portanta é um Sotal-PS>PS 3 caro válido.

Janutise

Oalgoritmo e O(n) em tempse e O(1) em espaço