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v1.1.0

CSD Testing System

(/en/)

Find the index i in an array which satisfies the condition: the sum of all elements before i is equal to the sum of all elements after i

Cost: 4 | Solved: 80

Memory limit: 256 MBs

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

You are given an array of non-negative integers. You have to find the index of such element that has equal sums of the elements to the right and to the left to it. It's guaranteed that such element exists in an array.

Input:

The first line contains a natural N – the quantity of an array's numbers ($1 \leq N \leq 10^5$).

The second line contains N numbers – elements of an array. Every number is not greater than 10000.

Output:

The index of the found element.

Example:

Input	Output
4 9 1 3 6	2

5 2 3 7 1 4	3
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