TASK

Given the array of integers of size n, [1, 2, 3, 4 ..., n],
write a function that finds the index of the element which divides the array into two subarrays with the same sum.

For example, for the array p = [5, 3, 9, 8] the condition is satisfied by element 9 with index 2, since that is the element that splits into two subarrays [5, 3] and [8], whose sums are 8.

```
Input: [5,3,9,8]
Output: 2

sum([5,3]) == 8
sum([8]) == 8
```

ASSIGNMENT:

Implement a function that returns the index of an array element that satisfies the above condition.

PARAMETERS:

ENTRY:
first line - n - number of elements in the sequence
second line - p - array of elements of size n, separated by space

EXIT:
x - the index of the element that satisfies the condition, or -1 if none found

EXAMPLE 1.
input :
6
3 2 1 1 3 3

output :
3

EXAMPLE 2.
input:
4
3 17 2 1

output:
1