# Sherlock and Array

Watson gives Sherlock an array of integers. His challenge is to find an element of the array such that the sum of all elements to the left is equal to the sum of all elements to the right.

**Example**

$arr = [5, 6, 8, 11]$

$8$ is between two subarrays that sum to $11$.

$arr = [1]$

The answer is $[1]$ since left and right sum to $0$.

You will be given arrays of integers and must determine whether there is an element that meets the criterion. If there is, return `YES`. Otherwise, return `NO`.

**Function Description**

Complete the *balancedSums* function in the editor below.

balancedSums has the following parameter(s):

- *int arr[n]:* an array of integers

**Returns**

- *string:* either `YES` or `NO`

**Input Format**

The first line contains $T$, the number of test cases.

The next $T$ pairs of lines each represent a test case.
- The first line contains $n$, the number of elements in the array $arr$.
- The second line contains $n$ space-separated integers $arr[i]$ where $0 \leq i < n$.
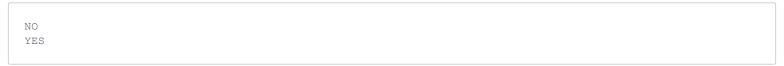
**Constraints**

$1 \leq T \leq 10$
$1 \leq n \leq 10^5$
$1 \leq arr[i] \leq 2 \times 10^4$
$0 \leq i < n$

**Sample Input**

```
2
3
1 2 3
4
1 2 3 3
```

## Sample Output

```
NO
YES
```

## Explanation

For the first test case, no such index exists.

For the second test case, $A[0] + A[1] = A[3]$, therefore index $2$ satisfies the given conditions.