Osman and His Array

**Time Limit:** 1.0s  **Memory Limit:** 256M

Osman has an array $a_1, a_2, ..., a_n$.

In one operation, Osman chooses two different indices in the array $p$ and $q$ and decrease the integers $a_p$ and $a_q$ by one.

Osman wonders whether it is possible to make all the elements in the array zero or not. Can you help Osman find out?

**Input**

The first line contains the number $N$, the size of the array.

The second line contains $N$ integers, $a_1, a_2, ..., a_n$, the elements of the array.

- $2 \leq N \leq 10^5$
- $1 \leq a_i \leq 10^9$

**Output**

If it is possible to make all the elements 0, you should print "YES". If it is not, you should print "NO".

**Examples**

Input 1:

```
4
4 4 7 7
```

Output 1:

```
YES
```

Input 2:

```
6
1 2 3 4 5 6
```
Output 2:

NO

**Explanations**

- In the first input, it is possible to make all the elements 0, by choosing the first 2 elements in 4 steps and choosing the last 2 elements in 7 steps, decreasing them by 1 each time.
- It is impossible to make them 0 in the second input.