SEASON 9 - SIXTH ROUND

While scrolling through reddit in search of coronamemes, you find the following puzzle:

You have a list of $N$ numbers. You can rearrange them in any order and must put + or - in front of every one of them. Can you make an equation with a value of 0 ?

Of course, you are too busy to solve such silly problems, so you give it to the poor competitors that are were forced to sift through your stupid fabulas all year long.

## Input

From the first line of the input file equation. in N is entered. On the next line the N numbers you have to use in your equation are entered.

## Output

In the output file equation. out print YES if possible and NO otherwise.

## Constraints

$1 \leq$ Every number on the input (including $N$ ) $\leq 500$

## Time limit: 0.9 seconds

Memory limit: $\mathbf{2 5 6}$ MB

## Examples

| Input (equation.in) | Output (equation.out) | Example equation |  |  |
| :--- | :--- | :--- | :--- | :--- |
| 3 |  | YES | $3-2-1$ или $1+2-3$ |  |
| 1 | 2 | 3 |  |  |
| 5 |  |  |  | YES |
| 5 | 1 | 9 | 2 | 5 |

