
Equal to the sum of the rest (II)**P87920_en**

Write a program that, given a sequence of integer numbers, tells if there is any number equal to the sum of the rest.

Input

Input contains several cases. Each case begins with a number $n \geq 1$ followed by n integer numbers.

Output

For each case, tell if it has a number equal to the sum of the rest.

Sample input

```
4   3 4 -1 2
7   1 0 3 3 1 0 2
1   0
1  -4
2  -3 -3
3  -1 -4 -5
```

Sample output

```
YES
NO
YES
NO
YES
YES
```

Problem information

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