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	Sample output
4 3 4 -1 2	YES
7 1 0 3 3 1 0 2	NO
1 0	YES
1 -4	NO
2 -3 -3	YES
3 -1 -4 -5	YES

Problem information

Author : Jordi Petit
Translator : Carlos Molina
Generation : 2016-12-15 03:58:26