

## A. Dawid and Bags of Candies

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Dawid has four bags of candies. The  $i$ -th of them contains  $a_i$  candies. Also, Dawid has two friends. He wants to give each bag to one of his two friends. Is it possible to distribute the bags in such a way that each friend receives the same amount of candies in total?

Note, that you can't keep bags for yourself or throw them away, each bag should be given to one of the friends.

### Input

The only line contains four integers  $a_1$ ,  $a_2$ ,  $a_3$  and  $a_4$  ( $1 \leq a_i \leq 100$ ) — the numbers of candies in each bag.

### Output

Output YES if it's possible to give the bags to Dawid's friends so that both friends receive the same amount of candies, or NO otherwise. Each character can be printed in any case (either uppercase or lowercase).

### Examples

input	Copy
1 7 11 5	
output	Copy
YES	

input	Copy
7 3 2 5	
output	Copy
NO	

### Note

In the first sample test, Dawid can give the first and the third bag to the first friend, and the second and the fourth bag to the second friend. This way, each friend will receive 12 candies.

In the second sample test, it's impossible to distribute the bags.

### Codeforces Round #588 (Div. 2)

Finished

Practice



### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

[Start virtual contest](#)

### → Practice

You are registered for practice. You can solve problems unofficially. Results can be found in the contest status and in the bottom of standings.

### → Clone Contest to Mashup

You can clone this contest to a mashup.

[Clone Contest](#)

### → Submit?

 Language: GNU G++11 5.1.0

 Choose file: [选择文件](#) 未选择任何文件

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.



[Submit](#)

### → Problem tags

[implementation](#)

No tag edit access

### → Contest materials

- Announcement (en) 
- Tutorial (en) 

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