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A. Ebony and Ivory

time limit per test: 2 seconds
 memory limit per test: 256 megabytes
 input: standard input
 output: standard output

Dante is engaged in a fight with "The Savior". Before he can fight it with his sword, he needs to break its shields. He has two guns, Ebony and Ivory, each of them is able to perform any non-negative number of shots.

For every bullet that hits the shield, Ebony deals a units of damage while Ivory deals b units of damage. In order to break the shield Dante has to deal **exactly** c units of damage. Find out if this is possible.

Input

The first line of the input contains three integers a, b, c ($1 \leq a, b \leq 100, 1 \leq c \leq 10\,000$) — the number of units of damage dealt by Ebony gun and Ivory gun, and the total number of damage required to break the shield, respectively.

Output

Print "Yes" (without quotes) if Dante can deal exactly c damage to the shield and "No" (without quotes) otherwise.

Examples

input	Copy
4 6 15	
output	Copy
No	

input	Copy
3 2 7	
output	Copy
Yes	

input	Copy
6 11 6	
output	Copy
Yes	

Note

In the second sample, Dante can fire 1 bullet from Ebony and 2 from Ivory to deal exactly $1 \cdot 3 + 2 \cdot 2 = 7$ damage. In the third sample, Dante can fire 1 bullet from ebony and no bullets from ivory to do $1 \cdot 6 + 0 \cdot 11 = 6$ damage.

Manthan, Codefest 16

[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 ACM-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++17 7.3.0](#) ▼

 Choose file: [Choisir un fichier](#) [Aucun f...choisi](#)

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](#)

→ Last submissions

Submission	Time	Verdict
57710448	Jul/25/2019 02:21	Accepted
57710427	Jul/25/2019 02:20	Compilation error
57710065	Jul/25/2019 02:03	Wrong answer on test 3
57709988	Jul/25/2019 01:59	Wrong answer on test 23
57709894	Jul/25/2019 01:55	Time limit exceeded on test 2
57709685	Jul/25/2019	Wrong answer on



	01:44	test 13
57709453	Jul/25/2019 01:32	Wrong answer on test 13
57709431	Jul/25/2019 01:31	Time limit exceeded on test 1
57708815	Jul/25/2019 01:00	Wrong answer on test 2
57708558	Jul/25/2019 00:48	Wrong answer on test 1

[→ Problem tags](#)

[brute force](#) [math](#) [number theory](#)
[*1200](#)

No tag edit access

[→ Contest materials](#)

- [Announcement \(en\)](#) 
- [Tutorial \(en\)](#) 

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