

Jumping Jack

time limit per test: 1 second
memory limit per test: 976.6 megabytes

input: standard input
output: standard output

points: 100 · problem code: jumpingjack · author: inj

Jack can jump in two different ways. He can jump 1 step forward and l steps left, or he can jump 1 step forward and r steps right. He wants to end up m steps directly in front of where he started. Is this possible?

Input

The first line contains three integers, l , r and m .

Output

Output a line containing `Yes` or `No`, stating whether it is possible for Jack to end up exactly m steps forward.

Constraints

- $1 \leq l, r, m \leq 1000$

Example 1

Input

```
2 3 5
```

Output

```
Yes
```

Example 2

Input

```
2 3 6
```

Output

```
No
```