

Problem E
A+B

Input File: E.IN
Output File: standard output
Program Source File: E.C, E.CPP, E.JAVA

There is a computer, which has two memory cells (let us denote these cells by the letters `a` and `b`). Each cell (variable) stores some integer at any time. The computer can execute only two instructions `a+=b` and `b+=a`. The first instruction increases the value of the variable `a` by the value stored in the variable `b`. The second one, respectively, increases the value of `b` by the value `a`. A program for this computer consists of a sequence (possible empty) of such instructions. The instructions are executed in the appropriate order. Your task is to determine whether the given value `S` can be obtained in some cell after executing some program.

Input
The input file contains three integers: the initial value of the variable `a`, the initial value of the variable `b` and the required value `S` ($0 \le a, b, S \le 10^{18}$).

Output
Output `YES` if the required value can be obtained as a result of some program execution, or `NO` otherwise.

Sample input	Sample output
1 2 3	YES
3 4 5	NO
3 4 17	YES