## C. Line

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input

output: standard output

A line on the plane is described by an equation Ax + By + C = 0. You are to find any point on this line, whose coordinates are integer numbers from  $-5 \cdot 10^{18}$  to  $5 \cdot 10^{18}$  inclusive, or to find out that such points do not exist.

## Input

The first line contains three integers A, B and C ( -  $2 \cdot 10^9 \le A$ , B,  $C \le 2 \cdot 10^9$ ) — corresponding coefficients of the line equation. It is guaranteed that  $A^2 + B^2 > 0$ .

## **Output**

If the required point exists, output its coordinates, otherwise output -1.

## **Examples**

input			
2 5 3			
output			
6 -3			