

Coprime

Write a program to check if the two given input numbers are coprime.

Input

Two space separated integers a,b.

Time Limit: 1.0s
Memory Limit: 64M

Output

Print "YES" if the numbers are coprime otherwise "NO"

Constraints

$1 \leq a, b \leq 1e16$

Sample Input 1

5 11

Sample Output 1

YES

Sample Input 2

5 10

Sample Output 2

NO