

Misc [0]

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output
points: 100 · problem code: misc0 · author: glipR

You are a swinging on circular string in a counter clockwise direction, and every second you will move $\frac{a}{b}$ revolutions around the circle.

You start off facing North, but wonder if at any integer second in the future you'll be facing exactly South, East or West.

Input

Input will contain two space-separated positive integers a and b .

Output

If you will never face South, East or West at an integer time, print `Free!`

Otherwise, print `Other axis!`

Constraints

- $1 \leq a, b \leq 10^6$

Example

Input

4 6

Output

Free!

Explanation

Every second you will move $\frac{4}{6} = \frac{2}{3}$ rotations, which looks like the following at seconds 0, 1, 2, 3 (and then repeats):

So you'll never be facing any cardinal direction but North.