Who win first?

Time Limit	0.2s
Memory Limit	64MB

Description

Iwang and Irfan has been known as a pair of best gamers in the world. But then a game company creates a game that is becoming viral recently. There are an empty rectangle game board with length A and width B and luckyly Iwang and Irfan is the first buyer of the game board, so they get an ultimate prize, that is, they get an infinite number of flat plate of radius R. Then both of them tempted to play the game. Iwang moves first. They alternately make a move by placing one flat plat from the prize. But there are some conditions:

1. The flat plate that is placed must not lie on the other plate, but the border of the plates may touch.

2. The flat plate must be completely inside the game board.

The last person who place the flat plate wins. Assuming that both Iwang and Irfan is playing optimally, determine who will win first!

Input Format

First line contains 3 number A, B, and R denoting the length of the game board, the width of the game board, and the radius of the game board, respectively.

Output Format

Output "Irfan" (without quotes) if Irfan will win, otherwise output "Iwang" (without quotes).

Constraint

- $1 \leq A \leq 100$
- $1 \leq B \leq 100$
- $1 \leq R \leq 100$

Sample Input 1

6 7 4

Sample Output 1

Irfan

Sample Input 2

5 5 2

Sample Output 2

Iwang