

Problema A

The Last Player

Arquivo fonte: lastplayer.{ c | cpp | java | py }

Autor: Prof. Dr. Alex Marino (Fatec Ourinhos)

In a playground game, n players stand in a circle, numbered from 1 to n in clockwise order. Starting from player 1, they begin counting clockwise. Every time the count reaches the k -th player, that player is removed from the circle. The counting resumes from the next player still in the circle. The process continues until only one player remains.

Your task is to determine the number of the last remaining player.

Input

The input contains two integers:

`n k`

Where:

- n — the number of players in the circle ($1 \leq n \leq 100$)
- k — the step count for elimination ($1 \leq k \leq 100$)

Output

Print a single integer:

`position`

Where `position` is the number of the last remaining player.

Exemplo de Entrada 1

5 2

Exemplo de Saída 1

3

Exemplo de Entrada 2

7 3

Exemplo de Saída 2

4