**Last Man Standing**

In many game shows, there’s always one last person who triumphs over all the other people competing. In this program, you will determine who is that person, and you will output the contestant number of the person who won.

In this game show, people sit down in a circle and the referee starts at 1 and goes person by person **C** times to determine who is out. This goes on until one person remains.

**Input:** There will only be one line of input. The first integer is **N**, the number of contestants. The next integer is **C** the amount of times the referee goes through each person.

**Output:** The number of the contestant who won.

**Example Input:**

7 3

**Example Output:**

4

**Explanation:**

To begin with, there are 7 players and the referee goes by in intervals of 3 players.

1 2 3 4 5 6 7 – initial sequence

1 2 4 5 6 7 – 3 is out

1 2 4 5 7 – 6 is out

1 4 5 7 – 2 is out

1 4 5 – 7 is out

1 4 – 5 is out

4 – 1 is out, and 4 is the victor!