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# Fishy Circle

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Problem

Submissions

Discussions

Mr. Ray is teaching the fish in Nemo's class a new game. All the fish ( $n$  of them in total) sit around a sea shell, while Mr. Ray walks around the circle. After every  $m$  fish he passes, he will tell the next one to leave the circle. The last fish to be selected is the winner. For example, with  $n = 5$  and  $m = 2$ , Nemo observes that the Fish are removed in the current order:

```
Fish originally at position 2  
Fish originally at position 0  
Fish originally at position 4  
Fish originally at position 1
```

Leaving the fish originally at position 3 as the winner. Nemo is really competitive and would like to know at which position,  $k$ , he should sit at.

<https://drive.google.com/open?id=0BxxolsFkwnDqRnIZS3AzSWRnTVk>

## Input Format

The input will have one line of data containing the 2 integers  $n$  and  $m$ , separated by spaces.

## Constraints

$1 \leq n \leq 1000$   $1 \leq m \leq 1000$

## Output Format

The output will be a single integer  $k$ , the position of the fish that will win the game.

## Sample Input 0

```
5 2
```

## Sample Output 0

```
3
```

## Sample Input 1

```
10 5
```

## Sample Output 1

```
2
```





Submissions: 17

Max Score: 1

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