Logo

STUDENT REPORT

DETAILS

Name

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Roll Number

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EXPERIMENT

Title

CANDIES

Description

Let's consider a scenario where there are K candies to be distributed among N children, each uniquely numbered from 1 to N. The distribution commences with Child A, followed by a sequential allocation to the subsequent children in the order: A, A+1, A+2,..., N. The query at hand is to identify which child will be the last recipient of a candy.
In more explicit terms, after Child x (where 1<= x < N) receives a candy, the subsequent candy is granted to Child x+1. Upon Child N receiving a candy, the distribution cycle restarts. and Child 1 becomes the next recipient.
The primary objective is to ascertain the identity of the child who will receive the last candy in this cyclic distribution.
Note: Each child receives only 1 candy.

Input Format:

The first line of input contains 3 space seperated integers N, K and A.

Output Format:

Print the friend who will be the final recipient of the candy.

Constraints:

1<=N<=K<=10^8

Sample Input:

5 2 1

Sample Output:

2

Source Code:

```
n,k,a=list(map(int,input().split()))
answer=(a+k-1)%n
if answer==0:
 print(n)
else:
 print(answer)
```

RESULT

6 / 6 Test Cases Passed | 100 %