

**question  
format**

Skill check questions give the program an arbitrary value and evaluate whether it can output the correct result. Please use the standard input/standard output mechanism to operate the "input value" and "expected output" below.

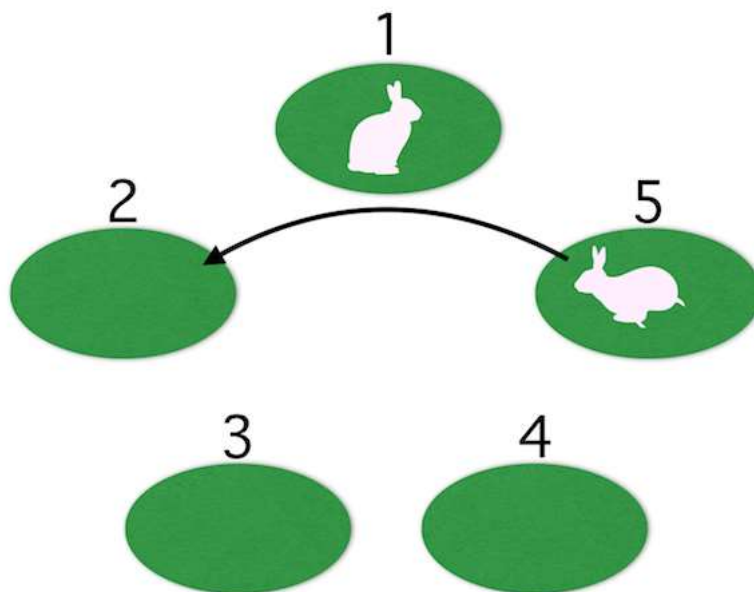
FAQ "What is standard input/output?" ([https://paizasupport.zendesk.com/hc/ja/articles/360038391912?parts=format-explain&paiza\\_rank=1805](https://paizasupport.zendesk.com/hc/ja/articles/360038391912?parts=format-explain&paiza_rank=1805))

## B025: Rabbit Jump

**B025: Rabbit Jump****time limit count  
time up!**

N bushes are arranged on the circumference.

The N bushes are numbered counterclockwise as 1, 2, ..., N. (See picture below)



N=5 の例

There are rabbits in some of the bushes. There can never be more than one rabbit in one area.

I now have a total of M rabbits. However, the number of rabbits must be less than the number of shige.

When rabbits are numbered 1, 2, ..., M, each rabbit jumps from the rabbit hole it is currently in to another rabbit according to the following rules.

First, the first rabbit jumps to the nearest empty corner when looking counterclockwise from the corner it is currently in. Next, the second rabbit jumps to the nearest empty corner when looking counterclockwise from the corner it is currently in

. The Mth rabbit jumps to the empty bush in the corner

...

Finally, the Mth rabbit jumps to the empty bush closest to you when looking counterclockwise from the rabbit in which it is currently in.

When K sets of these jumps are completed, , that is, find which bush each rabbit is in when all the rabbits have jumped exactly K times.

**Evaluation points**

Enter 10 test cases and measure the number of correct answers and the time required to submit the answers to determine your score.

\*If you exceed the time limit, you will be disqualified (0 points) even if the test case passes.

\*The code you submitted will be executed multiple times, and only one test case will be executed at one time.

How to calculate the input score: Correct answer number score (50 points) + Correct answer rate x answer time score (50 points within 40 minutes, 80 minutes) The score falls linearly from 25 points to 0 points after 2 hours)

1. Evaluate whether correct output is produced in multiple test cases (+50 points)
2. Evaluation of speed to answer (+50 points)

### Value to be entered

Input is given in the following format:

```
N.M.K.
r_1
r_2
...
r_M
```

Three integers N, M, and K are entered in the first line.

N is the number of hedges, M is the total number of rabbits, and K is the number of times each rabbit jumps.

The next M line contains the rabbit's position.

$r_i$  represents the number of the enclosure where the  $i$ -th rabbit is located.

A line feed will be inserted at the end of the last line of input value.

Strings are passed from standard input. Please check here for information on how to obtain values from standard input. (</guide/samplecode.html>)

### Expected output

The output consists of M lines.

In the  $i$ -th line, print the number of the enclosure where the  $i$ -th rabbit is located after the K set of jumps.

( $i = 1, 2, \dots, M$ )

There should be a line break at the end, and there should be no extra characters or blank lines.

### conditions

All test cases meet the following conditions:

- $2 \leq N \leq 50$
- $1 \leq M < N$
- $1 \leq K \leq 50$
- $1 \leq r_i \leq N$
- $i \neq j$  when  $r_i \neq r_j$

### Input example 1

```
5 2 2
1
2
```

### Output example 1

```
5
1
```

### Input example 2

```
6 3 6
1
3
5
```

### Output example 2

1  
3  
5

- ⚠️ paiza constantly monitors the submitted code to ensure that it is not created using hints or answers from AI or others.
- ❓ Since we will be testing with multiple test cases, we recommend debugging by changing input values in addition to using input examples to check operation.  
If the editor does not work properly, please disable all browser extensions.  
If you do not understand standard input (obtaining and processing "input values"), please refer to the sample code and video explanation.
- 📺 Video explanations about standard input, etc. (FAQ "What are standard input/output?")  
([https://paizasupport.zendesk.com/hc/ja/articles/360038391912?parts=suppl-for-codearea&paiza\\_rank=1805#section\\_lets\\_practice](https://paizasupport.zendesk.com/hc/ja/articles/360038391912?parts=suppl-for-codearea&paiza_rank=1805#section_lets_practice))
- 🔗 Code evaluation method and sample code ("value acquisition/output sample code") (/guide/samplecode)
- ⚙️ For the execution environment, please refer to the version and environment information for each language . (/guide/language)

## Answer code input field

Language used ▼

Time limit count time up!

```
1 // Sample input
2 // Let's solve it
```



Select a test case to use for operation confirmation

Input exam ▼

Operation check before submission

→Freely try input values (paiza.IO) 🔗 (<https://paiza.io/ja/projects/new>)

Submit your code

Once submitted, it cannot be edited



(/career)

"paiza Career Change" is a programming career change site for IT/WEB engineers. You can judge and visualize your technical ability with a skill check, and test your skills to see if you have the skills to work at other companies. Furthermore, as your rank increases, you will receive scouts from companies. This is a service where the more talented people are, the more advantageous they will be in finding a job.

ツイート

フォローする 7,196

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skill check (/challenges)  
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recruitment  
(/career/job\_offers)

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(/guide/guide)  
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site map (/guide/sitemap)

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Job change success guide  
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