

You have come into possession of your friend's school photo. However, as you admire it, you come to a realization: it isn't wide enough! To fix this, you will use a tool called BotoShop to stretch his face out. Given a specific size, your task is to stretch your friend's face until it matches the desired width.

Input Format

- An integer specifying your friend's new face width, **N**.
- 2 space separated integers representing the width and height of the photo, **J** and **K**.
- K** lines, containing your friend's face, composed of asterisks.

Constraints

- $5 \leq N \leq 101$
- $1 \leq K \leq 8$
- $3 \leq J \leq N$

Both N and J will always be odd.

Output Format

Your friend's face, composed of asterisks.

Sample Input 0

```
21
7 7
*****
*       *
* * * *
*       *
* * * *
*       *
* * * *
*       *
*****
```

Sample Output 0

```
*****
*               *
* *             * *
*               *
* *             * *
* ***** *
*****
```

Sample Input 1

```
15
9 7
```

```
***      ***
***      ***

*   *   *
*   ***   *
*   ***   *
*   *   *   *
```

Sample Output 1

```
***      ***
***      ***

*   *   *   *
*   *   *   *
*   *   *   *
*   *   *   *
```