

One day, Reibie has this weird dream of him drawing rectangle by only input three numbers and one character. When he input two numbers of N and H, the first number will give him numbers of rectangle that will be drawn. The second number will show length of the rectangle, and the last number will show the width of the. Rectangle. The character will be used as the symbol of the rectangle. After having that weird dream Reibie wake up and with curiosity, he ask you to help him to make the same program in his dream.

Format Input

Input will consist of an integer N which is the total of rectangle, L which is the length of the rectangle, W which is the width of the rectangle. C will be used as the symbol to draw the rectangle

Format Output

Print the trees in Reichan's dream. Print newline after each test case.

Constraints

$1 \leq N \leq 5$

$3 \leq L \leq 10$

$3 \leq W \leq 10$

Example

Input : 2 5 4 @

```
@ @ @ @ @      @ @ @ @ @
@           @      @           @
@           @      @           @
@ @ @ @ @      @ @ @ @ @
```

Input : 3 7 5 A

```
A A A A A A A      A A A A A A A      A A A A A A A
A           A      A           A      A           A
A           A      A           A      A           A
A           A      A           A      A           A
A A A A A A A      A A A A A A A      A A A A A A A
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