



Order N

Time Limit: 1.0 s | Memory Limit: 512 MiB

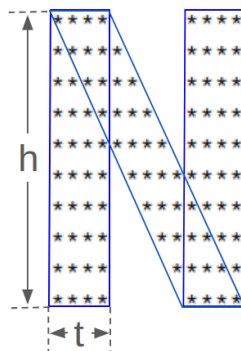
It is the day of the New Zealand Programming Contest (NZPC) that you are participating in right now, and your site coordinator has had an inspired idea. Between setting up the judging server and ordering sufficient quantities of pizza, they have decided that what the campus truly needs is large ASCII art signs spelling out the letters N, Z, P, and C. Because representing letters in various sizes with ASCII isn't quite as easy as it sounds, four separate programmers have each been given a single letter to program. Your letter is 'N'.

An ASCII art N is defined by a character c to be used for filling the letter and just two integers:

1. the height, h , of the letter (*i.e.*, the number of lines of text it occupies), and
2. a thickness parameter, t , which defines the width of the lines used to compose the letter N. Note that this includes both the vertical and diagonal components.

The figure below illustrates the meanings of h and t for a letter N of height 10 and thickness 4, drawn with asterisks ('*') as the character c . Only the asterisks are the output of the program; the blue lines are added to show the underlying geometry.

Note that the middle segment has a slope of 1, in the sense that the t asterisks it contains move one print position to the right on each successive row of output.



Input

The input consists of a single line, containing a non-space, printable ASCII character c and two integers, h and t ($5 \leq h \leq 20$, $1 \leq t \leq h - 4$).

Output

Output h lines containing only spaces and the character c , displaying the ASCII art letter N as defined above.

```
####  ###  #####
####  ###  #####
#####  ###  #####
#####  ###  #####
#####  ###  #####
####  #####  #####
####  #####  #####
####  #####  #####
#####  #####  #####
#####  #####  #####

#####  #####
####  ###  #####
####  ###  #####
#####  #####
#####  #####
#####  #####
#####  #####
#####  #####
#####  #####
#####  #####
```

Sample Input 1

```
*104
NZPC26
```

Sample Output 1

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



New Zealand Programming Contest

8 August 2026

Sample Input 3

```
# 9 5
```

Sample Output 3

```
#####  
#####  
#####  
#####  
#####  
#####  
#####  
#####  
#####  
#####
```