

Problem

You are given an integer, N . Your task is to print an alphabet rangoli of size N . (Rangoli is a form of Indian folk art based on creation of patterns.)

Different sizes of alphabet rangoli are shown below:

Submissions

#size 3

```
---c---
--c-b-c--
c-b-a-b-c
--c-b-c--
---c---
```

Leaderboard

#size 5

```
-----e-----
-----e-d-e-----
---e-d-c-d-e---
--e-d-c-b-c-d-e--
e-d-c-b-a-b-c-d-e
--e-d-c-b-c-d-e--
---e-d-c-d-e---
-----e-d-e-----
-----e-----
```

Discussions

#size 10

```
-----j-----
-----j-i-j-----
-----j-i-h-i-j-----
-----j-i-h-g-h-i-j-----
-----j-i-h-g-f-g-h-i-j-----
-----j-i-h-g-f-e-f-g-h-i-j-----
-----j-i-h-g-f-e-d-e-f-g-h-i-j-----
-----j-i-h-g-f-e-d-c-d-e-f-g-h-i-j-----
-----j-i-h-g-f-e-d-c-b-c-d-e-f-g-h-i-j-----
-----j-i-h-g-f-e-d-c-b-a-b-c-d-e-f-g-h-i-j-----
-----j-i-h-g-f-e-d-c-b-c-d-e-f-g-h-i-j-----
-----j-i-h-g-f-e-d-c-d-e-f-g-h-i-j-----
-----j-i-h-g-f-e-d-e-f-g-h-i-j-----
-----j-i-h-g-f-e-f-g-h-i-j-----
-----j-i-h-g-f-g-h-i-j-----
-----j-i-h-g-h-i-j-----
-----j-i-j-----
-----j-----
```

Editorial

The center of the rangoli has the first alphabet letter a, and the boundary has the N^{th} alphabet letter (in alphabetical order).

Function Description

Complete the rangoli function in the editor below.

rangoli has the following parameters:

- int size: the size of the rangoli

Returns

- string: a single string made up of each of the lines of the rangoli separated by a newline character (\n)

Input Format

Only one line of input containing **size**, the size of the rangoli.

Constraints

$0 < \text{size} < 27$

Sample Input

5

Change Theme Language

Pypy 3

```
1 a = "abcdefghijklmnopqrstuvwxyz"
2 def print_rangoli(size):
3
4     lines = []
5     for row in range(size):
6         print_ = "-".join(a[row:size])
7         lines.append(print_[::-1] + print_[1:])
8     width = len(lines[0])
9
10    for row in range(size-1, 0, -1):
11        print(lines[row].center(width, '-'))
12
13    for row in range(size):
14        print(lines[row].center(width, '-'))
15    # your code goes here
16
17
18
19 if __name__ == '__main__':
20     n = int(input())
21     print_rangoli(n)
```

Line: 16 Col: 1

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Run Code

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☐ Test against custom input

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75% 100/110



Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Test case 6

Compiler Message

Success

Hidden Test Case

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