



Alphabet Rangoli ★

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Problem

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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:

```
#size 3
```

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

```
#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-----
```

```
#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-h-i-j-----
-----j-i-j-----
-----j-----
```

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

Input Format

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

Constraints

$$0 < N < 27$$

Output Format

Print the alphabet rangoli in the format explained above.

Sample Input

5

Sample Output

```

-----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-----

```

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Python 3



```

6
7     for i in range(size):
8         letters = abc[:i+1][::-1]
9         row = []
10        k = 0
11
12        for j in range(size * 2 - 1):
13            if k < len(letters) and j % 2 == 0:
14                row.append(letters[k])
15                k += 1
16            else:
17                row.append('-')
18
19        row = ''.join(row[::-1]) + ''.join(row[1:])
20        print(row)
21        rangoli_matrix.append(row)
22
23    rangoli_matrix.pop()
24    for r in rangoli_matrix[::-1]:
25        print(r)
26
27    if __name__ == '__main__':
28        n = int(input())
29        print_rangoli(n)

```

Line: 26 Col: 1

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☐ Test against custom input

Run Code

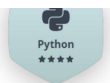
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