

# Alphabet Rangoli



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

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-----
```