

Problem Statement

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-----
```