

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\$\$\$^t\$\$\$^h\$ 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-----
```