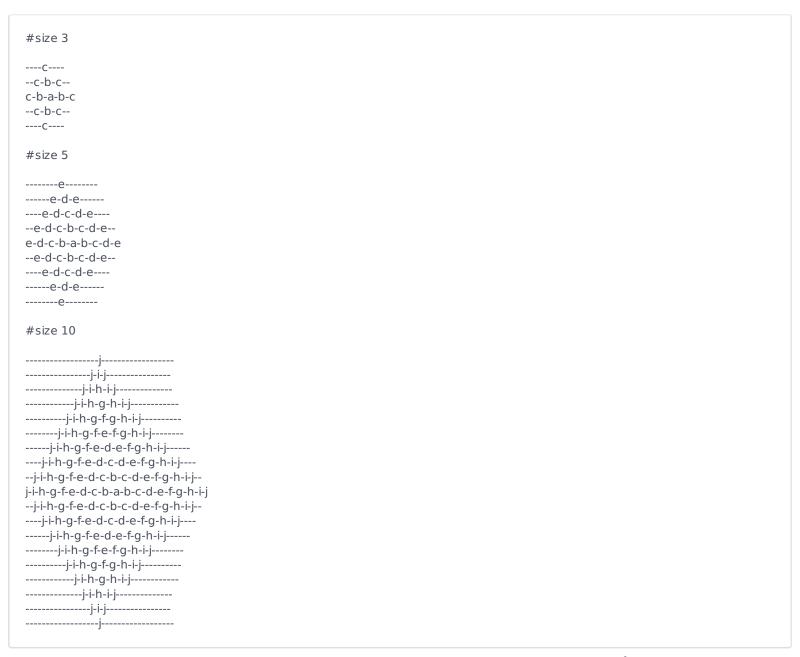
Alphabet Rangoli



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:



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

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Sample Output

