New Year's '15 P3 - Gift Wrap

Time limit: 2.0s   **Memory limit:** 64M

We almost overlooked one thing — Princess Asseylum needs to give her guests gifts! You have to help her wrap the gifts now! A wrapped gift can be represented as an $M \times M$ square matrix of lowercase letters. The very center of the gift should be `a`, and each other layer from inside out should have `b`, `c`, etc.

Input Specification

The first and only line of input will have the number of layers of the gift, N $(1 \leq N \leq 26)$.

Output Specification

You should output an $M \times M$ matrix, the gift after it is wrapped.

Sample Input 1

```
2
```

Sample Output 1

```
bbb
bab
bbb
```

Sample Input 2

```
3
```

Sample Output 2

```
ccccc
cbbbc
cbabc
cbbbc
ccccc
```