Tower of Characters

Lili loves to make a tower of character. Because a character only consists of A to Z, Lili manages to build the tower by repeating the character sequence again from A. As her friend, help Lili by making a program that outputs the tower.

Format Input
The first line contains integer X that states the height of the tower.

Format Output
Output the tower in uppercase characters. Please refer the sample output for clarity.

Constraints
1 <= X <= 100

Sample Input	Sample Output
6	``` A B B C C C D D D D E E E E E F F F F F F```

Note
There is no trailing spaces in each line.