Designer Door Mat

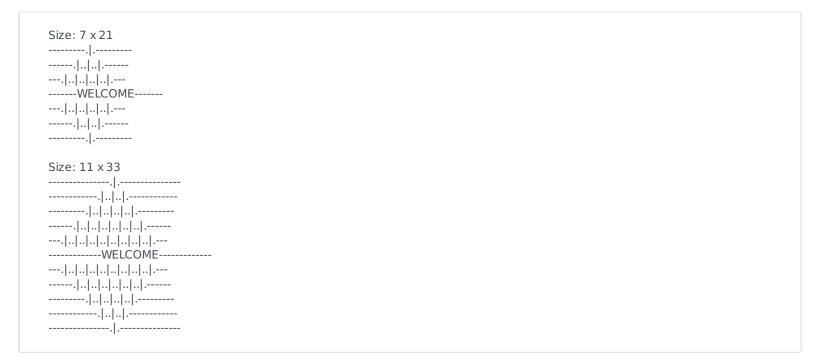


Problem Statement

Mr. Vincent works in a door mat manufacturing company. One day, he designed a new door mat with the following specifications:

- Mat size must be $N \times M$. (N is an odd natural number, and M is 3 times N.)
- The design should have 'WELCOME' written in the center.
- The design pattern should only use | , . and characters.

Sample Designs



Input Format

A single line containing the space separated values of N and M.

Constraints

5 < N < 101

15 < M < 303

Output Format

Output the design pattern.

Sample Input

9 27

Sample Output





Note:

More than 6 lines of code will result in a score of 0. Comment lines are counted. Blank lines are not counted.