Designer Door Mat

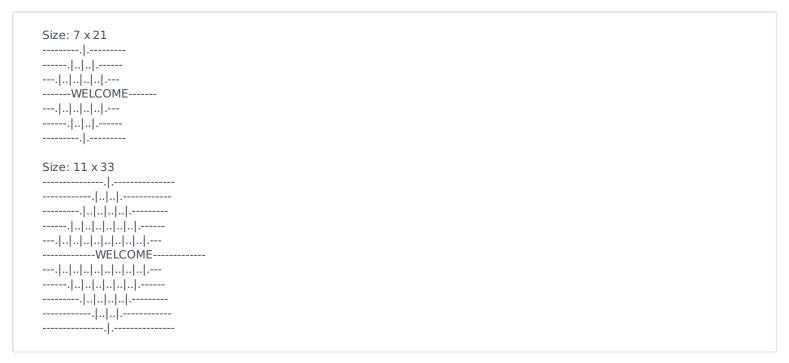


Problem Statement

Mr. Vincent works in a door mat manufacturing company. One day, he designed a new door mat. Design specifications are as follows:

- 1. Size of mat must be $N \times M$. (N is an odd natural number and M is 3 times N.)
- 2. Design should have 'WELCOME' written in the center.
- 3. Design pattern should only use '|', '.' and '-' characters.

Sample Designs



Input Format

Single line containing space separated values of N and M.

Constraints

$$5 < N < 101$$

 $15 < M < 303$

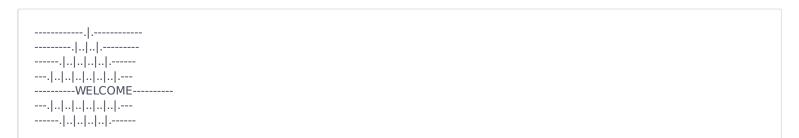
Output Format

Output the design pattern.

Sample Input

```
9 27
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Sample Output



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