Designer Door Mat

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 NxM. (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

```
    Size: 7 x 21
    ---------.|.---------
    ------.|..|..|.------
    ---.|..|..|..|..|.---
    -------WELCOME-------
    ---.|..|..|..|..|.---
    ------.|..|..|.------
    ---------.|.---------

    Size: 11 x 33
    ---------------.|.---------------
    ------------.|..|..|.------------
    ---------.|..|..|..|..|.---------
    ------.|..|..|..|..|..|..|.------
    ---.|..|..|..|..|..|..|..|..|.---
    -------------WELCOME-------------
    ---.|..|..|..|..|..|..|..|..|.---
    ------.|..|..|..|..|..|..|.------
    ---------.|..|..|..|..|.---------
    ------------.|..|..|.------------
    ---------------.|.---------------
```

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

```
------------.|.------------
---------.|..|..|.---------
------.|..|..|..|..|.------
---.|..|..|..|..|..|..|.---
----------WELCOME----------
---.|..|..|..|..|..|..|.---
------.|..|..|..|..|.------
---------.|..|..|.---------
------------.|.------------
```