

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

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