

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

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

Note:

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