



Designer Door Mat

by DOSHI

[Problem](#)[Submissions](#)[Leaderboard](#)[Discussions](#)[Editorial](#)

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



Line: 6 Col: 41

Submit Code

Next Challenge

Join us on IRC at [#hackerrank](#) on freenode for hugs or bugs.

[Contest Calendar](#) | [Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Support](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Request a Feature](#)

