

CD Titles

Mona, a keen photographer, found her hard disk quickly filling up with snapshots and Videos, and therefore decided to offload a lot of the files to CD. Each CD is in its own plastic case, and the contents are clearly described on the front of the case. As the number of CDs increased, she built herself a shelf on which the CDs stand vertically.

Mona needs your help! She has written a title for each CD into a text file, but she needs the titles to appear vertically so that she can put them in the spine of the CD cases and be able to read them easily from the shelf.

Write a program that will output Mona's titles vertically.

She needs lines between each title so that, when she prints them, she can easily cut along the lines.

Mona has worked out that she can fit 36 characters into the available space, so all output titles must be 36 characters long, padded with spaces at the end where necessary.

If Mona accidentally makes a title too long, only output the first 36 characters.

Input Format

The input file will be at most 50 titles, one to a line.

Each title consists of 1 to 100 arbitrary characters.

A single '#' on a line by itself indicates the end of input.

Output Format

The output file should contain the same titles presented vertically, where the left to right order will be the same as the order of the input.

There will be a column of bar ('|') characters at each end,

another column of bar ('|') characters separating each title,

and a row of minus ('-') characters (1 per column) at the beginning and end.

Test Data

First:

Sample Input:

```
012345678901234567890123456789012345
David and Jane's wedding, March 2004, Alexandria
Bahamas Holiday August 2003
#
```

Expected Output:

```
-----  
|0|D|B|  
|1|a|a|  
|2|v|h|  
|3|i|a|  
|4|d|m|  
|5| |a|  
|6|a|s|  
|7|n| |  
|8|d|H|  
|9| |o|  
|0|J|l|  
|1|a|i|  
|2|n|d|  
|3|e|a|  
|4|'|y|  
|5|s| |  
|6| |A|  
|7|w|u|  
|8|e|g|  
|9|d|u|  
|0|d|s|  
|1|i|t|  
|2|n| |  
|3|g|2|  
|4|,|0|  
|5| |0|  
|6|M|3|  
|7|a| |  
|8|r| |  
|9|c| |  
|0|h| |  
|1| | |  
|2|2| |  
|3|0| |  
|4|0| |  
|5|4| |  
-----
```

Second:

Sample Input:

```
012345678901234567890123456789012345
Sally's First Birthday, June 1990
Sara's Graduation, July 2003, Cairo
#
```

Expected output:

```
-----
|0|S|S|
|1|a|a|
|2|l|r|
|3|l|a|
|4|y|'|
|5|'|s|
|6|s|
|7|G|
|8|F|r|
|9|i|a|
|0|r|d|
|1|s|u|
|2|t|a|
|3|t|
|4|B|i|
|5|i|o|
|6|r|n|
|7|t|,|
|8|h|
|9|d|J|
|0|a|u|
|1|y|l|
|2|,|y|
|3|
|4|J|2|
|5|u|0|
|6|n|0|
|7|e|3|
|8|,|
|9|l|
|0|9|C|
|1|9|a|
|2|0|i|
|3|r|
|4|o|
|5|
-----
```