PROBLEM 2 - CD TITLES

A keen photographer, I found my hard disk quickly filling up with snapshots and videos. I 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, I built myself a shelf on which the CDs stand vertically.

I need your help! I have written a title for each CD into a text file, but I need the titles to appear vertically so that I can put them in the spine of the CD cases and be able to read them easily from the shelf. I want you to write a program that will output my titles vertically. I need lines between each title so that, when I print them, I can easily cut along the lines.

I have worked out that I 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 I accidentally make a title too long, only output the first 36 characters.

INPUT FORMAT

Input 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.

SAMPLE INPUT:

```
012345678901234567890123456789012345
David and Jane's wedding, March 2002, Alexandria
Bahamas Holiday August 2001
#
```

OUTPUT FORMAT

Output will be 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, and separating each title, and a row of minus ('-') characters (1 per column) at the beginning and end.

SAMPLE 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|1|
|7|a| |
|8|r| |
|9|c| |
|0|h| |
|1| | |
|2|2| |
|3|0| |
|4|0| |
|5|2| |
-------
```