FEPE-PJ

Not That Kind of Graph
Time limit: 1 second

Your task is to graph the price of a stock over time. In one unit of time, the stoke can either Rise, Fall or stay Constant. The stock's price will be given to you as a string of R's, F's and C's. You need to graph it using the characters '/' (slash), '\' (backslash) and '_' (underscore).

Input Format

The first line of input gives the number of cases, *N*. *N* test cases follow. Each one contains a string of at least 1 and at most 50 upper case characters (R, F or C).

Output Format

For each test case, output the line 'Case #x:', where x is the number of the test case. Then print the graph, as shown in the sample output, including the *x*- and *y*-axes. The x-axis should be one character longer than the graph, and there should be one space between the *y*-axis and the start of the graph. There should be no trailing spaces on any line. Do not print unnecessary lines. The *x*-axis should always appear directly below the graph. Finally, print an empty line after each test case.

Technical Specification

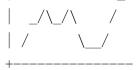●   a string contains at least 1 and at most 50 upper case characters

Sample Input

```
1
RCRFCRFFCCRRC
```

Sample Output

```
Case #1:
|              _
|   _/\_/\    /
| /      \_/
+--------------
```

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