

## Problem 2—Nearly The Opposite

As Leela and Bender have tried to patiently explain to Fry, there are only two universes, ours and the other one. The other one is mostly, but not completely, opposite to ours. In particular, when the people in the other universe write a message, they write their message from right-to-left, except the non-alphabetic characters (spaces, punctuation, digits, etc.) are placed in the exact same positions in the sentence that we place them and the alphabetic characters are reversed around them. You are to translate several of our sentences into ones appropriate to the other universe.

**INPUT SPECIFICATION.** Each input case will consist of a line of text terminated by **<EOLN>**. The last input case will be followed by an extra **<EOLN>** (which is not to be processed).

**OUTPUT SPECIFICATION.** The output cases appear in the same order as their corresponding input cases. Each output case is of the form “Case *c*: *r*” where *c* is the case number and *r* is the near-reversal of the input case. An **<EOLN>** follows each output case.

### **SAMPLE INPUT.**

```
I·can·lick·30·tigers·today.<EOLN>
A·man,·a·plan,·a·canal,·Panama!<EOLN>
42<EOLN>
<EOLN>
<EOF>
```

### **SAMPLE OUTPUT.**

```
Case 1:·y·ado·tsre·30·gitkci·lnacI.<EOLN>
Case 2:·a·man,·a·Plan,·a·canal,·panamA!<EOLN>
Case 3:·42<EOLN>
<EOF>
```