

A **10 × 10** Crossword grid is provided to you, along with a set of words (or names of places) which need to be filled into the grid.

The cells in the grid are initially, either **+** signs or **-** signs.

Cells marked with a **+** have to be left as they are. Cells marked with a **-** need to be filled up with an appropriate character.

Input Format

The input contains **10** lines, each with **10** characters (which will be either + or - signs).
After this follows a set of words (typically nouns and names of places), separated by semi-colons (;).

Constraints

There will be no more than ten words. Words will only be composed of upper-case **A-Z** characters. There will be no punctuation (hyphen, dot, etc.) in the words.

Output Format

Position the words appropriately in the **10 × 10** grid, and then display the **10 × 10** grid as the output. So, your output will consist of **10** lines with **10** characters each.

Sample Input 0

```
+-----+
+-----+
+-----+
+-----+
+-----+
+-----+
+-----+
+-----+
+-----+
+-----+
LONDON;DELHI;ICELAND;ANKARA
```

Sample Output 0

```
+L+++++++
+O+++++++
+N+++++++
+DELHI+++
+O+++C+++
+N+++E+++
+++++L+++
++ANKARA++
+++++N+++
+++++D+++
```

Sample Input 1

Sample Output 1

2/2