

Crossword Puzzle

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. Cells are marked either `+` or `-`. Cells marked with a `-` are to be filled with the word list.

The following shows an example crossword from the input *crossword* grid and the list of words to fit, *words* = [*POLAND*, *LHASA*, *SPAIN*, *INDIA*]:

Input	Output
+++++++ +----- +++----- +++----- +++----- +++----- +++----- +++++D+++ +++++I+++ +++++A+++ +++++++ POLAND; LHASA; SPAIN; INDIA	+++++++ +POLAND+++ +++H+++++ +++A+++++ +++SPAIN++ +++A+N+++ +++++D+++ +++++I+++ +++++A+++ +++++++

Function Description

Complete the *crosswordPuzzle* function in the editor below. It should return an array of strings, each representing a row of the finished puzzle.

crosswordPuzzle has the following parameter(s):

- crossword*: an array of 10 strings of length 10 representing the empty grid
- words*: a string consisting of semicolon delimited strings to fit into *crossword*

Input Format

Each of the first 10 lines represents *crossword*[*i*], each of which has 10 characters, *crossword*[*i*][*j*].

The last line contains a string consisting of semicolon delimited *words*[*i*] to fit.

Constraints

$$1 \leq |words| \leq 10$$
$$crossword[i][j] \in \{+, -\}$$
$$words[i][j] \in ascii[A - Z]$$

Output Format

Position the words appropriately in the 10×10 grid, then return your array of strings for printing.

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

```
+-----+
+-++-++
+-++-++
+-++-++
+-++-++
+-++-++
+-++-++
++++-++
++++-++
++++-++
AGRA;NORWAY;ENGLAND;GWALIOR
```

Sample Output 1

```
+E+++++
+N+++++
+GWALIOR++
+L+++++
+A+++++
+NORWAY+++
+D+++G+++
++++R++++
++++A++++
+++++
```

Sample Input 2

```
++++-++
+------+
++++-++
++++-++
++-----+
++++-+-+
++++-+-+
++++-+-+
++++-+-+
```

```
++++++--  
ICELAND;MEXICO;PANAMA;ALMATY
```

Sample Output 2

```
++++++I+++  
++MEXICO++  
++++++E+++  
++++++L+++  
+++PANAMA+  
++++++N+L+  
++++++D+M+  
+++++++A+  
+++++++T+  
+++++++Y+
```