

# Crossword Puzzle

A  $10 \times 10$  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
+++++++	+++++++
+-----+	+POLAND++
+++-----	+++H++++
+++-----	+++A++++
+++-----+	+++SPAIN++
+++---+	+++A++N++
+++++---	+++++D++
+++++---	+++++I++
+++++---	+++++A++
+++++++	+++++++
POLAND; LHASA; SPAIN; INDIA	

## 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

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

## Output Format

Position the words appropriately in the  $10 \times 10$  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+
```