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]`:

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>+-----------</td>
<td>+-----------</td>
</tr>
<tr>
<td>++</td>
<td>++POLAND++</td>
</tr>
<tr>
<td>++++</td>
<td>+++H+++</td>
</tr>
<tr>
<td>++++</td>
<td>+++A+++++++</td>
</tr>
<tr>
<td>++++</td>
<td>+++SPAING++</td>
</tr>
<tr>
<td>++++</td>
<td>+++A+++N+++</td>
</tr>
<tr>
<td>++++</td>
<td>++++D+++</td>
</tr>
<tr>
<td>++++</td>
<td>++++I+++</td>
</tr>
<tr>
<td>++++</td>
<td>++++A+++</td>
</tr>
<tr>
<td>+-----------</td>
<td>+-----------</td>
</tr>
</tbody>
</table>

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 $10 \times 10$ grid, then return your array of strings for printing.

Sample Input 0

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

Sample Output 0

```
POLAND;LHASA;SPAIN;INDIA
```
Sample Input 1

```
+L+++++++++
+O+++++++++
+N+++++++++
+DELHI+++++
+O+++C+++++
+N+++E+++++
+++++E+++++
+++++++L++++
+++++++A+++KARA++
+++++++N++++
+++++++D++++
```

Sample Output 1

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

Sample Input 2

```
XXXXXX-XXX
XX------XX
XXXXXX-XXX
XXXXXX-XXX
XXX------X
XXXXXX-X-X
XXXXXX-X-X
XXXXXX-X-X
XXXXXX-X-X
XXXXXX-X-X
ICELAND;MEXICO;PANAMA;ALMATY```

Sample Output 2

```
XXXXXXIXXXX
XXMEXICOXX
XXXXXXEXXX
XXXXXXLXXX
XXXXPANAMAX
XXXXXXNXLX
XXXXXXDXMX
XXXXXXAXXX
XXXXXXXTX
XXXXXXXYX```