## Problem 2 – Reveal Triangles

You are given a sequence of **text lines**, holding small Latin letters. Your task is to **reveal all triangles** in the text by changing their letters with '**\***'. Triangles consist of equal letters in the form of triangle:

|  |  |  |  |
| --- | --- | --- | --- |
| a  aaa | x  xxx  xxxxx | p  ppp  ppppp  ppppppp | etc. |

Triangles can span **different sizes**: 2 lines, 3 lines, 4 lines, etc. Triangles can **overlap** (some letters can take part in several triangles).

### Input

The input data comes as **array of strings**, holding the text lines.

### Output

Print at the console the input data after replacing all triangles by '**\***'.

### Constraints

* The input will be passed to the first JavaScript function found in your code as **array of strings**.
* Each input line will hold 1…100 Latin letters.
* The number of input lines will be in the range [1..100].
* Allowed working time: 0.2 seconds. Allowed memory: 16 MB.

### Examples

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| a**b**cde**x**gh  **bbb**d**xxx**h  abc**xxxxx** | a\*cde\*gh  \*\*\*d\*\*\*h  abc\*\*\*\*\* | a**a**  **aaa**  **aaaa**  **aaaaa** | a\*  \*\*\*  \*\*\*\*  \*\*\*\*\* | a**x**  **xxx**  b  b**bb**  **bbbb** | a\*  \*\*\*  b  b\*\*  \*\*\*\* | d**ff**dsgy**e**fg  **ffff**ey**eee**  jb**fff**ays  dag**fff**dsss  dfdf**a**  dad**aaa**dddf  sd**aaaaa**  d**aaaaaaa**sf | d\*\*dsgy\*fg  \*\*\*\*ey\*\*\*  jb\*\*\*ays  dag\*\*\*dsss  dfdf\*  dad\*\*\*dddf  sd\*\*\*\*\*  d\*\*\*\*\*\*\*sf |

Hint: to simplify your work, you can reveal only triangles of size "2 lines", because all bigger triangles consist of several overlapping triangles of size "2 lines".