

TEX QUOTES

Problem

Submissions

Leaderboard

Discussions

TEX is a typesetting language developed by Donald Knuth. It takes source text together with a few typesetting instructions and produces, one hopes, a beautiful document. Beautiful documents use “ and ” to delimit quotations, rather than the mundane " which is what is provided by most keyboards. Keyboards typically do not have an oriented double-quote, but they do have a left-single-quote and a right-single-quote '. Check your keyboard now to locate the left-single-quote key (sometimes called the “backquote key”) and the right-single-quote key ' (sometimes called the “apostrophe” or just “quote”). Be careful not to confuse the left-single-quote *with the “\” key. $TEX \leq t$ the user types two $\leq ft - \sin g \leq - quotes$ ` to create a left-double-quote “ and two right-single-quotes ” to create a right-double-quote ”. Most typists, however, are accustomed to delimiting their quotations with the un-oriented double-quote ".*

If the source contained

"To be or not to be," quoth the bard, "that is the question." then the typeset document produced by TEX would not contain the desired form: “To be or not to be,” quoth the bard, “that is the question.” In order to produce the desired form, the source file must contain the sequence:

To be or not to be, ' ' quoth the bard, that is the question."

You are to write a program which converts text containing double-quote (") characters into text that is identical except that double-quotes have been replaced by the two-character sequences required by TEX for delimiting quotations with oriented double-quotes.

The double-quote (") characters should be replaced appropriately by either `"` if the `"` opens a quotation and by `'` if the `"` closes a quotation. Notice that the question of nested quotations does not arise: The first `"` must be replaced by `"`, the next by `"`, the next by `"`, the next by `'`, the next by `"`, the next by `"`, and so on.

Input Format

Input will consist of several lines of text containing an even number of double-quote (") characters. Input is ended with an end-of-file character.

Output Format

The text must be output exactly as it was input except that:

- The first `"` in each pair is replaced by two ``` characters: ``` and
- The second `"` in each pair is replaced by two `'` characters: `'`.

Sample Input 0

```
Is branched in ""my up strictly "remember. "
Songs but chief has ham widow downs. Genius or so up vanity cannot.
''''Large do tried `goi''''ing" about water defer by. "Silent" son man she wished mother.
Distrusts allowance do knowledge eagerness assurance additions to.
We """"diminution preference "thoroughly if. "Joy deal pain ';'392view" much her time. Led young gay would now
state."
Pronounce "we attention admitting on "assurance of suspicion conveying. That his west quit had met ""till"". Of
advantage he
attending "hous""ehold" at do perceived"." Middleton in objection "discovery" as agreeable. Edward thrown dining
so he my around to.
```

Sample Output 0

```
Is branched in ``'my up strictly ``remember. ''
Songs but chief has ham widow downs. Genius or so up vanity cannot.
''''Large do tried `goi''''ing' about water defer by. ``Silent'' son man she wished mother.
Distrusts allowance do knowledge eagerness assurance additions to.
We ``''''diminution preference ``thoroughly if. ''Joy deal pain ';'392view`` much her time. Led young gay
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would now state.'

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``till``. Of advantage he

attending ``hous``ehold' at do perceived``.' Middleton in objection ``discovery' as agreeable. Edward
thrown dining so he my around to.



Contest ends in 2 months

Submissions: [20](#)

Max Score: 40

Difficulty: Medium



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