**Tag Content Extractor**

<https://www.hackerrank.com/challenges/tag-content-extractor/problem>

In a tag-based language like *XML* or *HTML*, contents are enclosed between a *start tag* and an *end tag* like <tag>contents</tag>. Note that the corresponding *end tag* starts with a /.

Given a string of text in a tag-based language, parse this text and retrieve the contents enclosed within sequences of well-organized tags meeting the following criterion:

1. The name of the *start* and *end* tags must be same. The HTML code <h1>Hello World</h2> is *not valid*, because the text starts with an h1 tag and ends with a non-matching h2 tag.
2. Tags can be nested, but content between nested tags is considered *not valid*. For example, in <h1><a>contents</a>invalid</h1>, contents is *valid* but invalid is *not valid*.
3. Tags can consist of any printable characters.

**Input Format**

The first line of input contains a single integer, *N* (the number of lines).  
The *N* subsequent lines each contain a line of text.

**Constraints**

* *1 <= N <= 100*
* *Each line contains a maximum of 104 printable characters.*
* *The total number of characters in all test cases will not exceed 106.*

**Output Format**

For each line, print the content enclosed within valid tags.  
If a line contains multiple instances of valid content, print out each instance of valid content on a new line; if no valid content is found, print None.

**Sample Input**

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<h1>Nayeem loves counseling</h1>

<h1><h1>Sanjay has no watch</h1></h1><par>So wait for a while</par>

<Amee>safat codes like a ninja</amee>

<SA premium>Imtiaz has a secret crush</SA premium>

**Sample Output**

Nayeem loves counseling

Sanjay has no watch

So wait for a while

None

Imtiaz has a secret crush