In a tag based language, like XML or HTML, contents are enclosed by a start tag and an end tag. For example:

<tag>contents</tag>

In this problem, you will be given a text in a tag-based language. Your task is to parse this text and retrieve

the contents which are enclosed by well-organized tag sequences. Well organized tags maintain the following constraints:

The name of the start and end tag must be same. The following HTML code is not valid:

<h1>Hello World</h2>

Tag can be nested, but there will be no content in between the nested tags. The following code is not valid:

<h1><a>contents</a>invalid</h1>

Tags can consist of any printable characters.

Input Format

Hard code a string to be parsed

For example:

- String input = “<h1>Hello World</h1>”;
- String input = “<h1>Hello World</h1> <h2>Good bye</h2>”;
- String input = “<h1> <h2>cruel world</h2> </h1> ”;

There can be unlimited number of tags, and unlimited amount of character in between the tags.

There will not be any ‘<’ or ‘>’ in the content of the String, those will only be used for tags. Remember, not all tags are legit.

Output Format

For each line, print the valid content enclosed by proper tags. If there is multiple valid content in a test case,

print out each of the valid content on separate lines. If no valid content is found in a test case, print "None" without quotes.

Sample Input:

- <h1>Nayeem loves counseling</h1>
- <h1><h2>Sanjay has no watch</h2></h1><par>So wait for a while</par>
- <Amee>safat codes like a ninja</amee>
- <h1><par>So wait for a while</par> <Amee>safat codes like a ninja</amee></h1>
- <h1><par>So wait for a while</par> safat codes like a ninja</h1>
- <SA premium>Imtiaz has a secret crush</SA premium>

Sample Output:

- Nayeem loves counseling
- Sanjay has no watch, So wait for a while
- None
- So wait for a while, None
- So wait for a while
- Imtiaz has a secret crush