

Alex was assigned with the following task last week: he needs to truncate a `text` with HTML tags up to the given `position`. The trick is, the string must be truncate only by plain text, ignoring tags.

Can you help Alex with his assignment?

It is guaranteed that `text` contains valid HTML tags, for each opening tag there is a closing tag, and there are no nested tags. It is also guaranteed that symbols `<` and `>` appear only in HTML tags.

The returned text should also contain only valid HTML tags. If the text should be truncated in the middle of some text wrapped into the tags, the resulting string should not contain this tag.

Example

For `text = "You ordered two pizzas with <i>mushrooms</i> and vanilla <i>milkshake</i>."`

and `position = 50`, the output should be

```
truncateOnlyText(text, position) =  
  "You ordered <b>two</b> pizzas with <i>mushrooms</i> and vanilla "
```

Input/Output

- **[time limit] 4000ms (py)**

- **[input] string text**

Text with HTML tags.

Constraints:

$1 \leq \text{text.length} \leq 700$.

- **[input] integer position**

A positive integer representing the position to truncate the text on. It is guaranteed that its value is smaller than the total length of plain text in the given string.

- **[output] string**

Truncated `text`.