## Detect HTML Tags

In this challenge, we're using regular expressions to detect the various tags used in an HTML document.

- Tags come in pairs. Some tag name, $t$, will have an opening tag, <t>, followed by some intermediate text, followed by a closing tag, </t>. The forward slash in a closing tag will always come before the tag name.
- The exception to this is self-closing tags, which consist of a single tag (not a pair) with a forward slash after the tag name: <p/>

Here are a few examples of tags:

- The p tag is for paragraphs: <p>This is a paragraph</p>
- There may be 1 or more spaces before or after a tag name:
< p >This is also a paragraph</p>
- A void or empty tag involves an opening and closing tag with no intermediate characters: <p></p>

Some tags can also have attributes, such as the a tag, which is used to add a hyperlink to another document: <a href="http://www.google.com">Google</a>

In the above case, a is the tag name and href is an attribute having the value http://www.google.com.

## Task

Given $N$ lines of HTML, find the tag names (ignore any attributes) and print them as a single line of lexicographically ordered semicolon-separated values (e.g.: tag1;tag2;tag3).

## Input Format

The first line contains an integer, $N$, the number of HTML fragments.
Each of the $N$ subsequent lines contains a fragment of an HTML document.

## Constraints

- $1 \leq N \leq 100$
- Each fragment contains $<10000$ ASCII characters.
- The fragments are chosen from Wikipedia, so analyzing and observing their markup structure may help.
- Leading and trailing spaces/indentation have been trimmed from the HTML fragments.


## Output Format

Print a single line containing all of the unique tag names found in the input. Your output tags should be semicolon-separated and ordered lexicographically (i.e.: alphabetically). Do not print the same tag name more than once.

## Sample Input

## Sample Output

```
    a;div;p
```


## Explanation

The first line contains 2 tag names: $\{p, a\}$.
The second line contains 2 tag names: $\{\operatorname{div}, a\}$.
Our set of unique tag names is $\{\mathrm{p}, \mathrm{a}, \operatorname{div}\}$.
When we order these alphabetically and print them as semicolon-separated values, we get "a;div;p".

